Maricopa County
Department of Transportation

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Northern Parkway
Agua Fria River to 99th Avenue
Project No. TT0600/TRACS No. T0188 01L

Kickoff Meeting Summary

Distribution Date: February 19, 2019

Date of Meeting: February 4, 2019 – 10:00 a.m.

Meeting Location: Maricopa and Cochise Conference Rooms

From: Ben Markert, MCDOT

Attendees: **See attached sign-in sheet**

The following meeting notes for the Northern Parkway, Agua Fria River to 99th Avenue, project are for your information, use, and distribution. Please contact Ben Markert at (602) 506-8651 if you have comments or questions. The team list/sign-in sheet is also included following the notes. If there is any missing information or additions to the notes, please let me know. Thank you to everyone who participated in the meeting.

ACTION ITEMS

No.	Action Item	Responsible	Due Date	Completed	Status/Comments
1	Identify dates to avoid for traffic counts	All	February 22, 2019		
2	Request right-of-way CADD file	B&N	February 22, 2019		
3	Schedule Field Walk	B&N	February 22, 2019		
4	Identify count dates	B&N	February 22, 2019		
5	Contact Ben Wilson (City of Peoria) for 103rd Avenue Geotech data	B&N	February 22, 2019		
6	Circulate design criteria	B&N, J2	February 22, 2019		

No.	Action Item	Responsible	Due Date	Completed	Status/Comments
7	Reach out to City of Glendale and City of Peoria PIO	MCDOT	February 22, 2019		
8	Define ADOT Role	ADOT (Katapa) and MCDOT (Markert)	February 22, 2019		
9	Develop public involvement plan	MCDOT (Moon), Central Creative	March 6, 2019		

DECISIONS

- None

NOTES

1. **Welcome | Introductions**
   Team members were welcomed to the Northern Parkway, Agua Fria River to 99th Avenue, Kickoff Meeting. Meeting handouts included: 1) Sign-in sheet, 2) Agenda, and 3) Study Area Map.

   Tafwachi Katapa, ADOT, inquired about ADOT's anticipated involvement with this segment of the Northern Parkway Program. This will be discussed individually by MCDOT and ADOT.

2. **Review Action Items**
   Action items were reviewed – updates, changes, and additions are as noted in the Action Items section.

3. **Review Decisions**
   No decisions were made during the kickoff meeting.

4. **Schedule**
   Team members discussed the project schedule and milestones. There is concern that the public hearing is scheduled too late in the process. This is further discussed in **12. Public and Stakeholder Involvement.**

The following is the anticipated schedule based on the available information:

Milestone	Original Schedule	New Schedule	Actual Completion
Land Survey Complete	January 22, 2019	-	January 22, 2019
Consultant NTP	January 24, 2019	-	January 24, 2019
Design Criteria Approved	March 29, 2019	-	-
Conceptual Alternatives	August 30, 2019	-	-
Conceptual Alternatives Approved	September 20, 2019	-	-
Public Hearing	February 27, 2020	-	-
IGA Completed	TBD	-	-
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Candidate Alternatives Approved	February 7, 2020	-	-
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Environmental Identification Memorandum (EIM) Submittal	November 19, 2020	-	-
Technical Memoranda Complete	November 19, 2020	-	-
Final Scoping Document – 30% Scoping Plan Submittal	November 19, 2020	-	-
Scoping Approved	January 22, 2021	-	-

- Tasks Due this/next month
  - Right-of-way base file
  - Data collection including utility information and traffic data
  - Establish design criteria

- Tasks Completed this/last month
  - Survey, delivered to B&N on 01/22/2019

5. **Survey**
   Survey was delivered to B&N on January 22, 2019. Additional survey needs will be identified and coordinated with MCDOT.

6. **Roadway**
   The process of identifying design criteria will be started soon. The design criteria will use MCDOT Project TT0573 design criteria as a starting point. Design criteria will be distributed to meeting attendees for review and discussion. This segment of Northern Avenue is within City of Peoria jurisdiction, therefore it is assumed design criteria will follow City of Peoria standards with input from the City of Glendale as the jurisdiction on the south.

7. **Drainage**
   Drainage design criteria will use MCDOT Project TT0573 as a starting point.

8. **Traffic**
   Traffic methodologies used for MCDOT Project TT0573 will be used for traffic forecasting and analysis. Traffic signal warrant analysis will be completed at four locations, yet to be determined. CivTech completed a signal warrant analysis within the project limits. The locations for the warrant analysis will be discussed and agreed upon by the Project Partners. It is understood per Northern Parkway partner input that the traffic signals at 107th Ave, 103rd Ave, and 99th Avenue will remain. The traffic signal at 115th Avenue is anticipated to be temporary. This intersection will become right-in, right-out when raised median is installed.

   Traffic counts will be collected soon. The B&N Team will coordinate with the Project Partners for upcoming events that may affect count numbers. Since Spring Training is approaching, the counts collected will need to be adjusted.

   ITS improvements will be based on the MAG Northern Parkway ITS study. It is understood from the Program Partners that fiber optics shall be included.

9. **Environmental**
   An Environmental Identification Memorandum will be prepared as part of this project. Noise modeling will be completed in the area near the residences.

10. **Utilities**
    The utility basemap will be developed soon. The initial Northern Parkway DCR will be used as a starting point and backed checked against utility data collected. Coordination with MCDOT is beginning. The MCDOT utility coordinator for TT0600 is Timothy Williams.

11. **Structures**
    Three alternatives for widening will be developed for the New River Bridge. The existing bridge, maintained by the City of Peoria, is in good condition.

12. Geotechnical

Geotechnical report will be developed using DCR geotechnical data. The project team would like to review the geotechnical report for City of Peoria 103rd Avenue, Northern Avenue to Olive Avenue project. Chris Lemka, City of Peoria, indicated Ben Wilson is the project manager. The B&N team will coordinate with him to obtain the information.

13. Public and Stakeholder Involvement

A public involvement plan will be developed for this project. Communication with the public and elected officials will be key in this area. Councilman Leone of the City of Peoria lives near the project area and will be looking for constant communication and project updates, even before the public hearing, currently scheduled for February 2020.

There is a home owner that may likely be impacted by a new road as a result of this project, from the DCR. Project updates and potential impacts will need to be communicated throughout the project duration.

Coordination with the City of Glendale and City of Peoria is needed to ensure public outreach and messaging is consistent. A clearinghouse will be necessary to achieve this priority. MCDOT will be the clearinghouse and will reach out to City of Glendale and City of Peoria PIO departments to coordinate these efforts.

Once the recommended alternative is selected, the public should be informed.

14. Right-of-Way

Design criteria will need to be established for right-of-way. This will be coordinated with MCRED. Right-of-way costs will be necessary for the recommended alternative at the draft scoping stage.

15. Summary | Miscellaneous Items

Landscape aesthetics will match adjacent projects.

Adaptive traffic signal control should be considered within the project area through the Loop 101 DDI. DDI operations will need to be coordinated between the agencies.

This is a federal project.

16. Next Meeting

The field meeting will occur in the near future. The next progress meeting is yet to be scheduled.

TT0600/T0188 01L Northern Parkway
Agua Fria River to 99th Avenue

KICKOFF MEETING SIGN-IN
2/4/2019

Contract No: 2018-036

Project No: TT0600

Initials	Name	Company/Section	Address with Zip Code	Phone	email	Field Meeting
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ON PHONE	Tafwachi Katapa	ADOT Project Management	205 S 17th Avenue, MD 614E Phoenix, AZ 85007	602-712-7614	TCKatapa@azdot.gov	
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Agua Fria River to 99th Avenue

KICKOFF MEETING SIGN-IN
2/4/2019

Contract No: 2018-036

Project No: TT0600

Initials	Name	Company/Section	Address with Zip Code	Phone	email	Field Meeting
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CA	Cynthia Alvarez	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	602-244-8100 x5320	cynthia.alvarez@burgessniple.com	
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	Jim Pyne	TY Lin International	60 E Rio Salado Parkway Ste 501 Tempe, AZ 85281	480-333-4157	jim.pyne@tylin.com	
	Brenan Poe	TY Lin International	60 E Rio Salado Parkway Ste 501 Tempe, AZ 85281	480-333-4168	brenan.poe@tylin.com	
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	BRENT SCOTT FOR TIMOTHY WILLIAMS					
PM	Pat Mentz	MCRED		602 506 4639	patmentz@mail.maricopa.gov	

TT0600/T0188 01L Northern Parkway
Agua Fria River to 99th Avenue

KICKOFF MEETING SIGN-IN
2/4/2019

Contract No: 2018-036

Project No: TT0600

Initials	Name	Company/Section	Address with Zip Code	Phone	email	Field Meeting
JH	Justin Hoppmann	AZTEC	4561 E. McDowell Rd PHX 85008	602.458 9261	jhoppmann@aztec.us	
CA	Chad Ashe	MCDOT IGA		602.506. 8674	Chadashe@mail.maricopa.gov	
KLH	Kooi-Lim Hoe	TYLIN	60 E. Rio Salado Parkway #501 Tempe AZ 85281	480-333 -4160	Kooi-lim.hoe@tylin.com	
KK	Kim Katchur	MCDOT PIO		64051	Kimberly.katchur@mail.maricopa.gov	

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Agua Fria River to 99th Avenue
Project No. TT0600/TRACS No. T0188 01L

Kickoff Meeting Agenda

Date of Meeting: February 4, 2019 – 10:00 a.m.

Meeting Location: Maricopa and Cochise Conference Rooms

From: Ben Markert, MCDOT

Attendees: **Please sign the sign-in sheet**

1. **Welcome | Introductions**

2. **Project Overview**
   - The proposed Northern Parkway is a 12.5-mile regional transportation facility that extends from Loop 303 to Grand Avenue. A DCR was completed in April 2010 with an ultimate configuration of three lanes in each direction with a center median and grade separated TIs.
   - This project will study the three construction segments presently identified as follows: Agua Fria River to 112th Avenue; 112th Avenue to 107th Avenue; and 107th Avenue to 99th Avenue. The project is located in Maricopa County Board of Supervisors District 4. Northern Parkway traverses multiple jurisdictions including unincorporated Maricopa County, City of Peoria, City of Glendale and City of El Mirage.
   - Improvements will include the north-south arterial roadways of 115th Avenue, 111th Avenue, 107th Avenue, and 103rd Avenue as necessary. Previously identified new connections to the neighborhoods will be evaluated.
   - Six through-lanes with median, bike lanes, and sidewalks have been agreed upon by Project Partners during the Cost and Schedule Risk Analysis (CSRA) completed in January 2018.
   - Up to six Conceptual Alternatives will be developed in addition to the no-build. Up to three Candidate Alternatives will be developed and evaluated.
   - Final Scoping will include 30% plans.
   - Coordination will occur with
     - MCDOT project TT0573 (Northern Parkway, Loop 101 to Grand Avenue), currently in scoping
     - MCDOT project TT0347 (Northern Parkway, Dysart Road to 111th Avenue), currently under construction
     - Peoria project P19-0012 (103rd Avenue improvements)

3. **Schedule**
   - ❑ Critical Schedule items for the project
   - ❑ Draft Tentative Deliverable Dates to Team

Milestone	Original Schedule	New Schedule	Actual Completion
Land Survey Complete	January 22, 2019	-	January 22, 2019
Consultant NTP	January 24, 2019	-	January 24, 2019
Design Criteria Approved	March 29, 2019	-	-
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Technical Memoranda Complete	November 19, 2020	-	-
Final Scoping Document – 30% Scoping Plan Submittal	November 19, 2020	-	-
Scoping Approved	January 22, 2021	-	-

- ❑ Tasks Due this month/next month
  - Right-of-way base file
  - Data collection including utility information and traffic data
  - Establish design criteria
- ❑ Tasks Completed this month/last month
  - Survey, Delivered to B&N on 01/22/2019

4. **Survey (MCDOT/B&N)**
    - ❑ Delivered to B&N on January 22, 2019

5. **Roadway (B&N)**
    - ❑ Design Criteria
    - ❑ Conceptual Alternatives (maximum of 6 and no build)
        - Two conceptual typical sections will be developed for each alternative
    - ❑ Candidate Alternatives (maximum of 3)
    - ❑ Scoping Plans

6. **Drainage (J2)**
    - ❑ Design Criteria
    - ❑ Drainage Technical Memorandum

7. **Traffic (B&N and Lee)**
    - ❑ Traffic Analysis
        - Crash analysis
        - Turning movement counts will be completed at 5 intersections; an additional 3 intersections will be incorporated from TT0573.
        - Bi-directional 24-hour link counts will be completed at one location
        - Spot speeds will be obtained at the same location
        - Traffic signal warrant analysis will be conducted at 4 locations
    - ❑ ITS
        - Will incorporate guidance from Project Partners with recommendations from MAG study
    - ❑ Reports
        - Preliminary Traffic Analysis with Conceptual Submittal
        - Draft, Final, and Sealed TMs with Candidate, draft SDR and final SDR, respectively

8. **Environmental (AZTEC)**
    - ❑ Environmental Identification Memorandum (EIM)
    - ❑ Noise modeling
    - ❑ Section 404 Permitting work
    - ❑ No NEPA or clearance documents

9. Utilities (TY Lin)

- ❑ MCDOT will provide utility map information
- ❑ Consultant will develop utility CADD file
- ❑ No formal SUE or designations are planned

10. Structures (TY Lin)

- ❑ Design Criteria
- ❑ New River Bridge
- ❑ Three recommended alternatives for widening

11. Geotechnical / Pavement Design (B&N)

- ❑ Pavement Design Memorandum based on data from the DCR
- ❑ No geotechnical or pavement field services

12. Public and Stakeholder Involvement (Central Creative)

- ❑ One public meeting
- ❑ Stakeholder one-on-ones
- ❑ Project Partner design charrette

13. Right-of-Way (B&N)

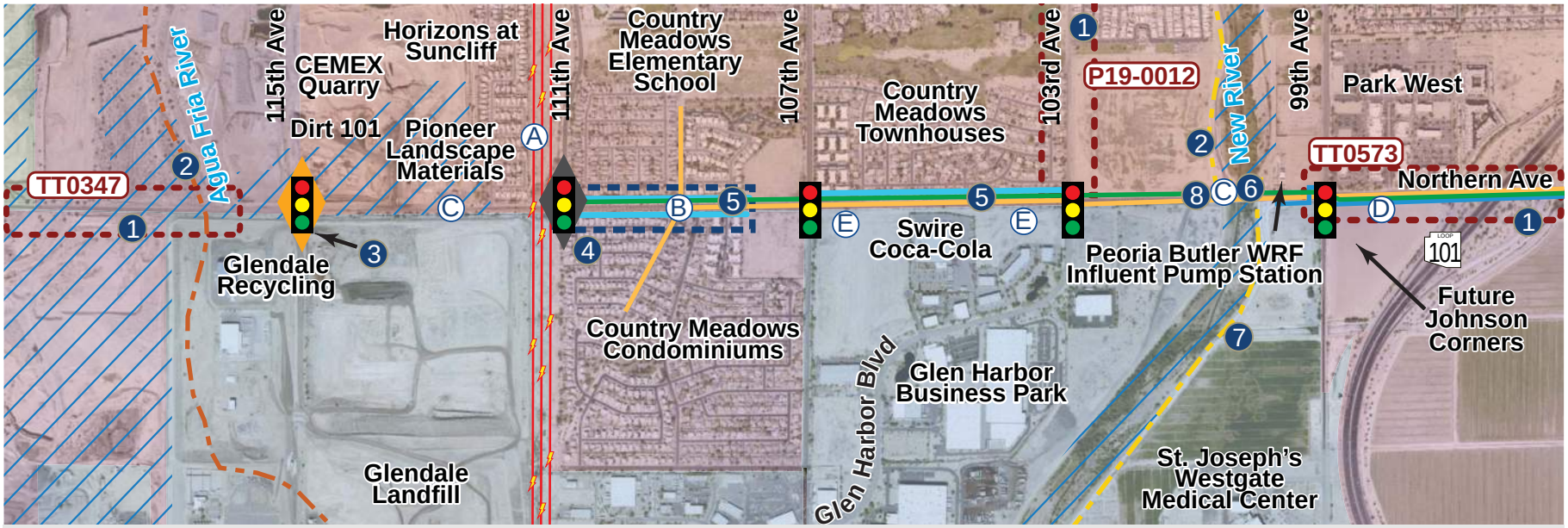
- ❑ Design Criteria
- ❑ MCRED will provide existing right-of-way CADD file
- ❑ MCRED will verify prior rights
- ❑ MCRED will provide unit costs
- ❑ B&N will provide preliminary right-of-way footprint

14. Summary | Miscellaneous Items

- ❑ Landscape Aesthetics Memorandum (J2)
- ❑ Evaluation Criteria

15. Adjourn | Next Meeting

- ❑ Progress Meeting – TBD
- ❑ Field Walk – TBD



City of Glendale
City of Peoria
City of El Mirage
Flood Zone
Utility Issue
Additional Signal per DCR
Temporary Signal

1. Coordinate with adjacent projects: TT0347, TT0573 and P19-0012.
2. Provide connectivity to trail.
3. Evaluate long-term access at temporary signal.
4. Develop typical section to mitigate impacts to residences.
5. Advance noise analysis to accommodate alternative delivery.
6. Evaluate cost effective bridge alternatives and construction phasing.
7. Advance 404 permit acquisition so as to not impact alternative delivery options.
8. Investigate replacement of 24" pipe to eliminate ponding.

Adjacent Project Limits
110' Minimum Right of Way
APS High Voltage OH Electric
Proposed Agua Fria River Trail
Existing Regional New River Trail
Potential Noise Walls
EPNG High Pressure Gas
SRP 24" Irrigation
Peoria Sanitary and Force Main

Owner and Facility Type	Issue Map ID	Relocate	Protect in Place	Risks	Potential Impact to be Evaluated
APS 230kV / 500kV transmission	A	✓		$	Widening to south will put roadway fill slope close to transmission tower – APS lateral clearance and land right requirements to be evaluated.
EPNG/Kinder Morgan Facility and 16" & 20" High Pressure Gas	B		✓	$	Depth of cover and lack of conflict with any proposed storm drain system components – any necessary relocation would be very costly. Easement rights to be verified and updated.
City of Peoria Lift Station	C		✓	$	Lift station exterior block wall and driveway could be impacted. Coordinate with the City of Peoria to accommodate access.
SRP Irrigation 24" irrigation	D	✓		$	Irrigation line will have to be relocated to outside proposed roadway prism. Land rights to be evaluated to determine new location of facility.
Private Well Sites 2 Wells	E	✓		$	If active, find suitable location for new well to be drilled within 660' of existing well site. If inactive, work with private owner and project partners to abandon through ADWR abandonment process.
Private Irrigation Pipe culverts/Ditch laterals	N/A	✓			Relocation to adjacent private property outside of roadway R/W will be necessary. Re-connection to SRP irrigation system will be required.

$ = High Cost = Schedule Impacts

TT0600 Northern Parkway
Agua Fria River to 99th Avenue

FIELD REVIEW SIGN-IN
3/8/2019

Contract No: 2017-025

Project No: TT0573

Initials	Name	Company/Section	Address with Zip Code	Phone	email
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Agua Fria River to 99th Avenue

FIELD REVIEW SIGN-IN
3/8/2019

Contract No: 2017-025

Project No: TT0573

Initials	Name	Company/Section	Address with Zip Code	Phone	email
	Justin Hoppmann	AZTEC Engineering	4561 E. McDowell Road Phoenix, AZ 85008	602-458-9261	jhoppmann@aztec.us
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	MICHAEL VESPUCCI	MCDOT		602 506-3169	MICHAELVESPUCCI@MAIL.MARICOPA.GOV
	Marinela Popa-Kokowi	MCDOT		602 506-3994	
	Kristin Myers	MAG			kmyers@azmag.gov

Maricopa County
Department of Transportation

2901 W. Durango Street
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Northern Parkway
Agua Fria River to 99th Ave
Project No. TT0600

Pre-Field Walk Agenda

Date of Meeting: March 8, 2019 – 8:00 a.m.

Meeting Location: Municipal Complex (MC) Room B3
City of Glendale Conference Room
5850 W Glendale Ave, Glendale, AZ 85301

From: Ben Markert, MCDOT

Attendees: **Please sign the sign-in sheet**

1. **Welcome | Introductions**

2. **Project Overview**
   - The proposed Northern Parkway is a 12.5-mile regional transportation facility that extends from Loop 303 to Grand Avenue. A DCR was completed in April 2010 with an ultimate configuration of three lanes in each direction with a center median and grade separated TIs.
   - This project will study the three construction segments presently identified as follows: Agua Fria River to 112th Avenue; 112th Avenue to 107th Avenue; and 107th Avenue to 99th Avenue. The project is located in Maricopa County Board of Supervisors District 4. Northern Parkway traverses multiple jurisdictions including unincorporated Maricopa County, City of Peoria, City of Glendale and City of El Mirage.
   - Improvements will include the north-south arterial roadways of 115th Avenue, 111th Avenue, 107th Avenue, and 103rd Avenue as necessary. Previously identified new connections to the neighborhoods will be evaluated.
   - Six through-lanes with median, bike lanes, and sidewalks have been agreed upon by Project Partners during the Cost and Schedule Risk Analysis (CSRA) completed in January 2018.
   - Up to six Conceptual Alternatives will be developed in addition to the no-build. Up to three Candidate Alternatives will be developed and evaluated.
   - Final Scoping will include 30% plans.
   - Coordination will occur with
     - MCDOT project TT0573 (Northern Parkway, Loop 101 to Grand Avenue), currently in scoping
     - MCDOT project TT0347 (Northern Parkway, Dysart Road to 111th Avenue), currently under construction
     - Peoria project P19-0012 (103rd Avenue improvements)

3. **Video Review**
    - ❑ Areas of interest will be further investigated in the field.
        - Agua Fria River to 107th Avenue
        - 107th Avenue to 99th Avenue

4. **Field Walk Plan | Safety**
    - ❑ Vehicles
    - ❑ Locations
    - ❑ PPE

5. **Summary | Miscellaneous Items**

6. **Adjourn | Next Meeting**
    - ❑ TBD

FIELD REVIEW CHECK LIST

PROJECT LOCATION: Northern Parkway: Agua Fria River to 99th Ave **PROJECT NUMBER:** TT0600

- ☐ **Guardrail**
  - ☐ OK
  - ☐ Reconstruct
  - ☐ Length of Need
  - ☐ New Locations
  - ☐ End Treatment
- ☐ **Pipe Culverts\CBC**
  - ☐ OK
  - ☐ Extend
  - ☐ Replace/Reline
- ☐ **Headwalls**
  - ☐ OK
  - ☐ Remove
  - ☐ Require
- ☐ **Slopes**
  - ☐ OK
  - ☐ Flatten
  - ☐ Guardrail
- ☐ **Cut Ditch**
  - ☐ OK
  - ☐ Improve
  - ☐ Obtain Material
- ☐ **Tree Removal**
  - ☐ Required
- ☐ **Chain Link Cable Barrier**
  - ☐ OK
  - ☐ New
- ☐ **Rock Cuts**
  - ☐ OK
  - ☐ Required
- ☐ **Bridge Rails**
  - ☐ OK
  - ☐ Unattached
  - ☐ Safety Curb
- ☐ **Bridges**
  - ☐ Widen
  - ☐ Scour Protection
- ☐ **Rumble Strips**
  - ☐ Required
- ☐ _____
  - ☐ _____
  - ☐ _____
  - ☐ _____
  - ☐ _____

- ☐ **Shoulder build-up**
  - ☐ Required
  - ☐ Material Source
- ☐ **Embankment Curb**
  - ☐ Remove
  - ☐ Replace
  - ☐ New
- ☐ **Inlets**
  - ☐ Remove
  - ☐ New
  - ☐ Adjust
- ☐ **Ramp Gores**
  - ☐ Remove
  - ☐ Replace
- ☐ **Typical Section**
  - ☐ Rural
  - ☐ Urban
  - ☐ C&G
  - ☐ Turn Lanes
  - ☐ Passing Lanes
  - ☐ Sidewalk
  - ☐ ADA Ramps
  - ☐ Catch Basin
- ☐ **Delineators**
  - ☐ Replace
  - ☐ New
- ☐ **Pavement Markings**
  - ☐ RPM
  - ☐ Special
  - ☐ Restripe
  - ☐ Special
- ☐ **Fencing**
  - ☐ Replace
  - ☐ New
- ☐ **Cattle Guard**
  - ☐ Remove
  - ☐ Replace
  - ☐ Adjust
  - ☐ Remove curb
- ☐ **Access**
  - ☐ _____
- ☐ _____
  - ☐ _____
  - ☐ _____
  - ☐ _____

- ☐ **Terrain**
  - ☐ _____
- ☐ **Posted Speed**
  - ☐ 40 mph
- ☐ **Utilities**
  - ☐ Overhead
  - ☐ Underground
  - ☐ Relocate
- ☐ **R.O.W.**
  - ☐ Ownership
  - ☐ New
  - ☐ TCE
  - ☐ Drainage Easement
- ☐ **Drainage Problem**
- ☐ **Erosion Problem**
- ☐ **Intersection Problem**
  - ☐ Sight Distance
  - ☐ Radii
- ☐ **Environmental Concern**
- ☐ **Pavement Problem**
- ☐ **Vertical Alignment**
- ☐ **Horizontal Alignment**
- ☐ **Loop Detectors**
  - ☐ TCS
  - ☐ Signal
  - ☐ Other
- ☐ **Signals**
- ☐ **Lighting**
- ☐ **Signing**
- ☐ **Turnouts**
  - ☐ Paved
  - ☐ Unpaved
- ☐ **Involved Agencies**
  - ☐ _____
- ☐ _____
  - ☐ _____
  - ☐ _____
  - ☐ _____

FIELD REVIEW CHECKLIST

Route: Northern Avenue Begin MP: Agua Fria River End MP: 99th Avenue Station: _____

Location: Maricopa County Board of Supervisors District 4

Highway Name: Northern Parkway

Engineering District: _____ City/County: Peoria and Glendale in Maricopa County

Description of Project: investigate alternatives which will increase capacity to meet growth needs

Requested By: _____ Year to be Constructed: TBD

Field Review Team: See sign in sheet

1. Corridor Characteristics:

A. Functional Classification: Principal Arterial

B. Current/Projected Traffic: _____

2. Existing Roadway:

A. Width, Speed Limit, Condition: Existing 67-foot wide roadway, posted speed limit: 40 mph

B. Shoulders, Ditches, Embankment: Ditch on south side of Northern Avenue.

C. Cuts, Guardrail, Safety: _____

3. Adjacent Roadway Sections:

A. Existing Condition/Width:_____

B. Future Project In Program: MCDOT Project TT0579 83rd Avenue: Northern Avenue to Butler Drive

MCDOT Project TT0573 and TT0347: Dysart Road to 111th Avenue Agua Fria River Bridge

4. Other Roads, Access Points:

A. Existing Crossing, Connecting: Intersecting roads: 111th Avenue, 107th Avenue, 103rd Avenue, 99th Avenue

1. Roads - Sight Distance:_____

2. Grade of Approach - Safety:_____

3. Surfacing:_____

B. Existing Access Points-Driveways-Safety-Surfacing:_____

5. Proposed Roadway:

A. Roadway Width/Design Standards: MCDOT Principal Arterial

B. Design Speed: 60 mph

C. Intersection Modifications: TBD

6. Alignment and Grade:

A. Required for Proposed Project: maximum grade: 3%, desirable minimum grade: 0.3%

B. Impaired Access:_____

C. Safety:_____

_____

7. Drainage Features:

A. Existing - Hydraulic Adequacy Flood Plains:_____

_____

B. Required for Proposed Project:_____

_____

C. Outfall/Safety:_____

_____

8. Structures:

A. Structural Adequacy:_____

_____

B. Geometrics - Width/Alignment:_____

_____

C. Sufficiency Rating:_____

_____

D. Bridge Rail:_____

_____

9. Utilities:

A. Existing Known Interferences:

1. Irrigation - Electric Power: Power lines along Southern Avenue between 103rd Avenue and 99th Avenue

2. Telephone - Gas - Fuel:_____

_____

3. Water - Sewer - Sanitary:_____

_____

4. Storm Manholes - Valve Covers:_____

_____

5. Railroad Facilities:_____

_____

B. Required for Proposed Project:_____

_____

10. Right-of-Way:

A. Existing: Varies from 80 feet to 175 feet approximately

_____

B. Required for Proposed Project: Required right-of-way per DCR: 140 feet to 160 feet

_____

C. Access Controls, Present:_____

_____

1. Required:_____

_____

D. Land Use, Present: residential, other employment, open space, vacant

_____

1. Anticipated:_____

_____

E. Fencing, Present - Required: TBD

_____

11. Environmental Resources:

A. National Forest - Indian Reservation:_____

_____

B. Historical - Archaeological:_____

_____

C. Water - Noise - Vegetation:_____

_____

D. Land Reserves - Parks, Scenic, Cemetary:_____

_____

12. Traffic Engineering:

A. Signals: Peoria owns signals; Peoria is also responsible agency for ITS

B. Lighting: Located along Northern Parkway between 111th Avenue and 103rd Avenue

C. Signing:_____

D. Striping:_____

13. Erosion Control:

A. Existing Evidence of Erosion

1. Side Slopes - Channels:_____

2. Structures - Natural Conditions:_____

B. Required for Proposed Project:_____

_____

14. Aesthetic Features:

A. Existing View of Surrounding Land:_____

_____

B. Required for Proposed Project:_____

_____

15. Constructability:

A. Phasing Requirements:_____

_____

B. Alternate Routes - Detours:_____

_____

1. Traffic Control:_____

2. Timing for Project:_____

16. Materials Sources:

A. Existing Pits - Water Sources:_____

_____

B. Required for Proposed Project:_____

_____

17. Maintenance:

A. Existing Problems:_____

_____

_____

18. Fundability:

A. Federal-State-Local-Other:_____

19. Alternatives:

A. Additional Work Required:_____

_____

B. Alternative Solution:_____

_____

_____

20. Recommendations:

_____

_____

_____

_____

_____

Project Drawing

Maricopa County
Department of Transportation

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Northern Parkway
Agua Fria River to 99th Avenue
Project No. TT0600/TRACS No. T0188 01L

Progress Meeting 1 Summary

Distribution Date: May 6, 2019

Date of Meeting: April 9, 2019 – 9:30 a.m.

Meeting Location: Maricopa and Cochise Conference Rooms

From: Ben Markert, MCDOT

Attendees: **See attached sign-in sheet**

The following meeting notes for the Northern Parkway, Agua Fria River to 99th Avenue, project are for your information, use, and distribution. Please contact Ben Markert at (602) 506-8651 if you have comments or questions. The team list/sign-in sheet is also included following the notes. If there is any missing information or additions to the notes, please let me know. Thank you to everyone who participated in the meeting.

ACTION ITEMS

No.	Action Item	Responsible	Due Date	Completed	Status/Comments
6	Circulate design criteria	B&N	May 13, 2019		In progress; circulate prior to May 13 Progress Meeting
7	Reach out to City of Glendale and City of Peoria PIO	MCDOT	-	-	Combined with Action Item #9
8	Define ADOT Role	ADOT (Prosnier) and MCDOT (Markert)	February 22, 2019	April 9, 2019	Replace Katapa with Prosnier
9	Develop Public Involvement Plan (PIP)	MCDOT and Central Creative	June 28, 2019		Pending Action Item #10
10	Schedule MCDOT/Design Team PIP Meeting	MCDOT, B&N, Central Creative	May 13, 2019	May 6, 2019	Meeting scheduled for May 15, 2019

No.	Action Item	Responsible	Due Date	Completed	Status/Comments
11	Contact owners of parcels identified by the DCR as takes	MCDOT and B&N	May 31, 2019		Complete after Action Item #10
12	Schedule June Workshop	B&N	May 15, 2019		
13	Provide feedback regarding basin locations	Glendale, Peoria, MCDOT	June 28, 2019		
14	Provide information regarding street sweeping	Peoria	May 15, 2019		

DECISIONS

- None

NOTES

1. **Welcome | Introductions**
   Team members were welcomed to the Northern Parkway, Agua Fria River to 99th Avenue, Kickoff Meeting. Meeting handouts included: 1) Sign-in sheet and 2) Agenda.

2. **Review Action Items**
   Action items were reviewed – updates, changes, and additions are as noted in the Action Items section.

3. **Review Decisions**
   No decisions were made during the kickoff meeting.

4. **Schedule**
   The project schedule was reviewed. Rainey Holloway, MCDOT, recommended that conversations with impacted stakeholders commence in 2019. The exact time frame would be determined during the conceptual alternative development process.

The following is the anticipated schedule based on the available information:

Milestone	Original Schedule	New Schedule	Actual Completion
Land Survey Complete	January 22, 2019	-	January 22, 2019
Consultant NTP	January 24, 2019	-	January 24, 2019
Design Criteria Approved	March 29, 2019	June 14, 2019	-
Conceptual Alternatives	August 30, 2019	-	-
Conceptual Alternatives Approved	September 20, 2019	-	-
Public Hearing	February 27, 2020	-	-
IGA Completed	TBD	-	-
Candidate Alternatives	January 17, 2020	-	-
Candidate Alternatives Approved	February 7, 2020	-	-
Recommended Alternative Selected	April 2, 2020	-	-
Prior Rights Information Obtained	August 21, 2020	-	-
Draft SDR and Scoping Plan Submittal	August 21, 2020	-	-
Right-of-Way Identified	November 19, 2020	-	-
Environmental Identification Memorandum (EIM) Submittal	November 19, 2020	-	-
Technical Memoranda Complete	November 19, 2020	-	-
Final Scoping Document – 30% Scoping Plan Submittal	November 19, 2020	-	-
Scoping Approved	January 22, 2021	-	-

- Tasks Due this/next month
  - Establish design criteria
  - Additional data collection
  - Utility base file development

- Tasks Completed this/last month
  - Right-of-way base file development
  - Data collection including traffic counts

5. **Survey**
   Survey base file has been reviewed. Additional survey needs will be identified and coordinated with MCDOT.

6. **Roadway**
   The main drivers for design were determined to be access and right-of-way impacts. The design criteria will be developed utilizing the MCDOT Project TT0573 design criteria as a starting point.

   Jason Pagnard, B&N, suggested a June workshop after agreed dispositions are developed for the TT0573 comments. The workshop will focus on concept development and selection of evaluation criteria.

7. **Drainage**
   James Philbin, J2, indicated that drainage data collection is underway. Mr. Philbin indicated that the existing drainage flows from east to west. Mr. Philbin requested early thoughts on location restrictions for basins. He also requested information regarding the frequency of street sweeping along Northern Avenue within the project limits.

8. **Traffic**
   Traffic counts took place the first week of April. The traffic count was not completed at 115th Avenue as the signal is not yet in place. Mr. Markert indicated that the signal should be installed and operational in the next six months.

   The equipment used to capture the 24-hour count was destroyed and the equipment is likely to be destroyed again due to the adjacent construction. B&N will utilize the 24-hour count data from 2017 collected as part of TT0573.

9. **Environmental**
   No update.

10. **Utilities**
    Tim Williams, MCDOT, is currently out of the office. Jessy Emert, MCDOT, is providing support in Mr. Williams absence.

    Utility maps were received by the project team in March. Brenan Poe, TY Lin, indicated that the project team will combine the SRP coordination efforts of TT0573 and TT0600.

11. **Structures**
    Development and evaluation of structural concepts will occur after the June workshop.

12. **Geotechnical**
    No update.

13. Public and Stakeholder Involvement

A meeting took place on March 5 with Peoria to discuss outreach activities, including opportunities and potential strategies.

A community meeting, conducted by Peoria, that was to occur in April was rescheduled for May. MCDOT does not need to attend the meeting; however, a Northern Parkway fact sheet/flyer can be provided. Peoria will collect the sign-in sheet for us in future Northern Parkway outreach activities.

Ms. Holloway recommended that conversations with impacted stakeholders commence in 2019. The exact time frame would be determined during the conceptual alternative development process after the June workshop. Mr. Pagnard stated that a meeting will be scheduled with Ms. Holloway and Kristin Darr, Central Creative, to develop Public Involvement Plan key activities.

Mr. Markert requested that letters be drafted and sent to owners of parcels that were previously identified as takes in the DCR to continue the coordination efforts.

14. Right-of-Way

See the **Public and Stakeholder Involvement** section. No title report needs have been identified to date.

15. Summary | Miscellaneous Items

Eric Prosnier, ADOT, will serve as the ADOT point of contact for TT0600 replacing Tafwachi Katapa.

16. Next Meeting

The next progress meeting is scheduled for May 13.

TT0600/T0188 01L Northern Parkway
Agua Fria River to 99th Avenue

PROGRESS MEETING 1 SIGN IN
4/9/2019

Contract No: 2018-036 **Project No: TT0600**

Initials	Name	Company/Section	Address with Zip Code	Phone	email
	Ben Markert	MCDOT PM	2901 West Durango Street Phoenix, AZ 85009	602-506-8651	benmarkert@mail.maricopa.gov
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	Mike Duncan	FCDMC	2801 West Durango Street Phoenix, AZ 85009	602-506-4732	mwd@mail.maricopa.gov
	Eric Prosnier	ADOT Project Management	205 S 17th Avenue, MD 614E Phoenix, AZ 85007	602-712-8495	EProsnier@azdot.gov
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	Purab Adabala	City of Glendale	6210 W Myrtle Avenue, Suite 112 Glendale, AZ 85301	623-930-2926	padabala@glendaleaz.com
	Peter Knudson	Dibble Engineering/ City of Glendale	7878 North 16th Street Suite 300 Phoenix, AZ 85020	602-957-1155	peter.knudson@dibblecorp.com

TT0600/T0188 01L Northern Parkway
Agua Fria River to 99th Avenue

PROGRESS MEETING 1 SIGN IN
4/9/2019

Contract No: 2018-036

Project No: TT0600

Initials	Name	Company/Section	Address with Zip Code	Phone	email
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	Quinn Castro	MAG	302 North 1st Avenue, Suite 300 Phoenix, AZ 85003	602-254-6300	qcastro@azmag.gov
KM	Kristin Myers	MAG	302 North 1st Avenue, Suite 300 Phoenix, AZ 85003	602-452-5094	kmyers@azmag.gov
JP	Jason Pagnard	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	602-244-8100 x5332	jason.pagnard@burgessniple.com
DL	David Lenzer	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	602-244-8100 x1502	david.lenzer@burgessniple.com
	Ravi Ambadipudi	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	602-244-8100 x1440	ravi.ambadipudi@burgessniple.com
KD	Kristin Darr	Central Creative	24 W Camelback Rd #A-479 Phoenix, AZ 85013	602-368-9644	kristin@centralcreativeaz.com
	Justin Hoppmann	AZTEC Engineering	4561 E. McDowell Road Phoenix, AZ 85008	602-458-9261	jhoppmann@aztec.us
	Galen Drake	J2 Engineering	4649 E Cotton Gin Loop Ste B2 Phoenix, AZ 85040	602-438-2221	gdrake@j2design.us
	Dave Bruggeman	Lee Engineering	3610 N 44th St, Ste 100 Phoenix, AZ 85018	602-955-7206	dbruggeman@lee-eng.com
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	Kooi-Lim Hoe	TY Lin International	60 E Rio Salado Parkway Ste 501 Tempe, AZ 85281	480-333-4160	Kooi-lim.hoe@tylin.com
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JE	Jessy Emert (for T.W.)	MCDOT UTIL	2901 West Durango St Phx, AZ 85202	602-506-0984	jessyemert@mail.maricopa.gov
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TD	Tangella Diaz	MCRED	2801 W. Durango Phx 85009	602-506-4882	tangelladiaz@mail.maricopa.gov

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Northern Parkway
Agua Fria River to 99th Avenue
Project No. TT0600/TRACS No. T0188 01L

Progress Meeting 1 Agenda

Date of Meeting: April 9, 2019 – 9:30 a.m.

Meeting Location: Maricopa and Cochise Conference Rooms

From: Ben Markert, MCDOT

Attendees: **Please sign the sign-in sheet**

1. **Welcome | Introductions**

2. **Review Action Items**
   - Action Items Review:

No.	Action Item	Responsible	Due Date	Completed	Status/Comments
1	Identify dates to avoid for traffic counts	All	February 22, 2019	February 21, 2019	Turning counts took place April 3 & 4; 115th Ave still needed
2	Request right-of-way CADD file	B&N	February 22, 2019	February 25, 2019	Received March 14, 2019
3	Schedule Field Walk	B&N	February 22, 2019	February 21, 2019	Occurred March 8, 2019
4	Identify count dates	B&N	February 22, 2019	February 21, 2019	Counts collected on April 3-4, 2019
5	Contact Ben Wilson (City of Peoria) for 103rd Avenue Geotech data	B&N	February 22, 2019	February 27, 2019	Received March 11, 2019
6	Circulate design criteria	B&N, J2	February 22, 2019		Circulated in early April
7	Reach out to City of Glendale and City of Peoria PIO	MCDOT	February 22, 2019		
8	Define ADOT Role	ADOT (Katapa) and MCDOT (Markert)	February 22, 2019		

No.	Action Item	Responsible	Due Date	Completed	Status/Comments
9	Develop public involvement plan	MCDOT and Central Creative	March 6, 2019		

3. **Decisions**
   - None

4. **Schedule**
   - Critical Schedule items for the project
   - Draft Tentative Deliverable Dates to Team

Milestone	Original Schedule	New Schedule	Actual Completion
Land Survey Complete	January 22, 2019	-	January 22, 2019
Consultant NTP	January 24, 2019	-	January 24, 2019
Design Criteria Approved	March 29, 2019	May 7, 2019	-
Conceptual Alternatives	August 30, 2019	-	-
Conceptual Alternatives Approved	September 20, 2019	-	-
Public Hearing	February 27, 2020	-	-
IGA Completed	TBD	-	-
Candidate Alternatives	January 17, 2020	-	-
Candidate Alternatives Approved	February 7, 2020	-	-
Recommended Alternative Selected	April 2, 2020	-	-
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Right-of-Way Identified	November 19, 2020	-	-
Environmental Identification Memorandum (EIM) Submittal	November 19, 2020	-	-
Technical Memoranda Complete	November 19, 2020	-	-
Final Scoping Document – 30% Scoping Plan Submittal	November 19, 2020	-	-
Scoping Approved	January 22, 2021	-	-

- ❑ Tasks Due this month/next month
  - Design Criteria
  - Public Involvement Plan
- ❑ Tasks Completed this month/last month
  - Field Walk March 8
  - 107th Avenue Meeting March 21
  - Turning movement counts

5. **Survey (MCDOT/B&N)**
   - ❑ General Update

6. **Roadway (B&N)**
   - ❑ 107th Avenue Meeting Update
   - ❑ General Update

7. **Drainage (J2)**
   - ❑ General Update

8. **Traffic (B&N)**
   - ❑ Turning movement counts collected on April 3 and 4
   - ❑ Traffic analysis in progress

9. **Environmental (AZTEC)**
   - ❑ General Update

10. Utilities (TY Lin)

- ❑ MCDOT providing utility map information
- ❑ Utility CADD file being developed

11. Structures (TY Lin)

- ❑ General Update

12. Geotechnical / Pavement Design (B&N)

- ❑ General Update

13. Public and Stakeholder Involvement (Central Creative)

- ❑ Public and Stakeholder Engagement Plan

14. Right-of-Way (B&N)

- ❑ Received existing right-of-way CADD file on March 14

15. Summary | Miscellaneous Items

- ❑ Field Walk Review
- ❑ Data Collection

16. Adjourn | Next Meeting

- ❑ Progress Meeting – TBD

Maricopa County
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Northern Parkway
Agua Fria River to 99th Avenue
Project No. TT0600/TRACS No. T0188 01L

Progress Meeting 2 Summary

Distribution Date: May 20, 2019

Date of Meeting: May 13, 2019 – 1:00 p.m.

Meeting Location: Maricopa and Cochise Conference Rooms

From: Ben Markert, MCDOT

Attendees: **See attached sign-in sheet**

The following meeting notes for the Northern Parkway, Agua Fria River to 99th Avenue, project are for your information, use, and distribution. Please contact Ben Markert at (602) 506-8651 if you have comments or questions. The team list/sign-in sheet is also included following the notes. If there is any missing information or additions to the notes, please let me know. Thank you to everyone who participated in the meeting.

ACTION ITEMS

No.	Action Item	Responsible	Due Date	Completed	Status/Comments
6	Circulate design criteria	B&N	May 13, 2019		In progress; comments due May 31
7	Reach out to City of Glendale and City of Peoria PIO	MCDOT	-	-	Combined with Action Item #9
9	Develop Public Involvement Plan (PIP)	MCDOT and Central Creative	June 28, 2019		Pending Action Item #10
11	Contact owners of parcels identified by the DCR as takes	MCDOT and B&N	May 31, 2019		Complete after Action Item #10
12	Schedule June Workshop	B&N	May 15, 2019		In progress
13	Provide feedback regarding basin locations	Glendale, Peoria, MCDOT	June 28, 2019		

No.	Action Item	Responsible	Due Date	Completed	Status/Comments
14	Provide information regarding street sweeping	Peoria	May 15, 2019		
15	Provide 115th Avenue Signal Warrant Analysis to B&N	MCDOT (Markert)	May 27, 2019	May 17, 2019	
16	Request Developer Plans	B&N	May 27, 2019		
17	Request Reclaimed Water Mapping	B&N	May 27, 2019		
18	Identify potential basin locations	J2	June 3, 2019		

DECISIONS

- None

NOTES

1. **Welcome | Introductions**
   Team members were welcomed to the Northern Parkway, Agua Fria River to 99th Avenue, Progress Meeting 2. Meeting handouts included: 1) Sign-in sheet and 2) Agenda.

2. **Review Action Items**
   Action items were reviewed – updates, changes, and additions are as noted in the Action Items section and below.

   Regarding action items 7, 9, and 11, Kristin Darr, Central Creative, has developed a flyer for distribution to residents. Rainey Holloway, MCDOT, will review and provide comments.

   Regarding action item 13, the team should investigate whether the DCR considered street sweeping to eliminate first flush requirements.

3. **Review Decisions**
   No decisions were made during Progress Meeting 1.

4. **Schedule**
   The project schedule was reviewed.

The following is the anticipated schedule based on the available information:

Milestone	Original Schedule	New Schedule	Actual Completion
Land Survey Complete	January 22, 2019	-	January 22, 2019
Consultant NTP	January 24, 2019	-	January 24, 2019
Design Criteria Approved	March 29, 2019	June 14, 2019	-
Conceptual Alternatives	August 30, 2019	-	-
Conceptual Alternatives Approved	September 20, 2019	-	-
Public Hearing	February 27, 2020	-	-
IGA Completed	TBD	-	-
Candidate Alternatives	January 17, 2020	-	-
Candidate Alternatives Approved	February 7, 2020	-	-
Recommended Alternative Selected	April 2, 2020	-	-
Prior Rights Information Obtained	August 21, 2020	-	-
Draft SDR and Scoping Plan Submittal	August 21, 2020	-	-
Right-of-Way Identified	November 19, 2020	-	-
Environmental Identification Memorandum (EIM) Submittal	November 19, 2020	-	-
Technical Memoranda Complete	November 19, 2020	-	-
Final Scoping Document – 30% Scoping Plan Submittal	November 19, 2020	-	-
Scoping Approved	January 22, 2021	-	-

- ❑ Tasks Due this/next month
  - Establish design criteria
  - Additional data collection
  - Public Involvement Plan
- ❑ Tasks Completed this/last month
  - Meetings with Developers

5. <u>Survey</u>

No update.

6. **Roadway**
   Several meetings have been held/requested by developers to discuss improvements to Northern Avenue and the right-of-way setback that is being used. Developers should be directed to the Northern Parkway website and the graphics that were developed for the TT0573 public meeting. The graphics provide a conceptual idea of anticipated improvements from the Agua Fria River to 99th Avenue.

   B&N will specifically request developer plans from the Project Partners. It is anticipated that the Project Partners will provide any information available to facilitate coordination.

7. **Drainage**
   J2 is investigating potential drainage basin locations. These will be coordinated with the City of Peoria and City of Glendale to identify fatal flaw locations.

8. **Traffic**
   The traffic analysis is ongoing. Once projections are complete, they should be shared with CivTech who is doing some work for developers in the area. The following scenarios/locations were suggested for further analysis:
   - Effects on 107th Avenue operations if improvements are not made at 108th Avenue.
   - Signal Warrant Analysis at 111th Avenue, 112th Avenue, and 115th Avenue. Scoped for a total of four locations.
   - Effects on corridor operations if signal remains or is removed at 115th Avenue.

   A signal warrant analysis was completed for the intersection of 115th Avenue. Ben Markert, MCDOT, will share it with the Consultant Team.

9. **Environmental**
   AZTEC is in the process of collecting and reviewing data.

10. **Utilities**
    The utility basemap is being developed. Reclaimed water mapping will be requested from the City of Peoria.

11. **Structures**
    The evaluation of bridge alternatives is being advanced in order to coordinate with improvements at 99th Avenue as part of TT0573.

12. **Geotechnical**
    No update.

13. **Public and Stakeholder Involvement**
    Councilmember Carlo Leone has stepped down. There is currently an interim person in his place. Elections will be held in August for a formal approval.

A public meeting is scheduled for June 20th. This will be further discussed during the May 20th public involvement planning meeting.

14. Right-of-Way

No update.

15. Summary | Miscellaneous Items

None.

16. Next Meeting

The next progress meeting has yet to be scheduled.

TT0600/T0188 01L Northern Parkway
Agua Fria River to 99th Avenue

PROGRESS MEETING 2 SIGN IN
5/13/2019

Contract No: 2018-036

Project No: TT0600

Initials	Name	Company/Section	Address with Zip Code	Phone	email
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TT0600/T0188 01L Northern Parkway
Agua Fria River to 99th Avenue

PROGRESS MEETING 2 SIGN IN
5/13/2019

Contract No: 2018-036

Project No: TT0600

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Northern Parkway
Agua Fria River to 99th Avenue
Project No. TT0600/TRACS No. T0188 01L

Progress Meeting 2 Agenda

Date of Meeting: May 13 – 1:00 p.m.

Meeting Location: Maricopa and Cochise Conference Rooms

From: Ben Markert, MCDOT

Attendees: **Please sign the sign-in sheet**

1. **Welcome | Introductions**

2. **Review Action Items**
   - Action Items Review:

No.	Action Item	Responsible	Due Date	Completed	Status/Comments
6	Circulate design criteria	B&N	May 13, 2019		In progress; circulate prior to May 13 Progress Meeting
9	Develop Public Involvement Plan (PIP)	MCDOT and Central Creative	June 28, 2019		Pending May 15, 2019 PIP meeting
11	Contact owners of parcels identified by the DCR as takes	MCDOT and B&N	May 31, 2019		Complete after May 15, 2019 PIP meeting
12	Schedule June Workshop	B&N	May 15, 2019		
13	Provide feedback regarding basin locations	Glendale, Peoria, MCDOT	June 28, 2019		
14	Provide information regarding street sweeping	Peoria	May 15, 2019		

3. **Decisions**
   - None

4. **Schedule**
   - ❑ Critical Schedule items for the project
   - ❑ Draft Tentative Deliverable Dates to Team

Milestone	Original Schedule	New Schedule	Actual Completion
Land Survey Complete	January 22, 2019	-	January 22, 2019
Consultant NTP	January 24, 2019	-	January 24, 2019
Design Criteria Approved	March 29, 2019	June 14, 2019	-
Conceptual Alternatives	August 30, 2019	-	-
Conceptual Alternatives Approved	September 20, 2019	-	-
Public Hearing	February 27, 2020	-	-
IGA Completed	TBD	-	-
Candidate Alternatives	January 17, 2020	-	-
Candidate Alternatives Approved	February 7, 2020	-	-
Recommended Alternative Selected	April 2, 2020	-	-
Prior Rights Information Obtained	August 21, 2020	-	-
Draft SDR and Scoping Plan Submittal	August 21, 2020	-	-
Right-of-Way Identified	November 19, 2020	-	-
Environmental Identification Memorandum (EIM) Submittal	November 19, 2020	-	-
Technical Memoranda Complete	November 19, 2020	-	-
Final Scoping Document – 30% Scoping Plan Submittal	November 19, 2020	-	-
Scoping Approved	January 22, 2021	-	-

- ❑ Tasks Due this month/next month
  - Design Criteria
  - Public Involvement Plan
- ❑ Tasks Completed this month/last month
  - Right-of-way base file development
  - Turning movement counts
  - 107th Avenue Meeting
  - 103rd Avenue Meeting

5. **Survey (MCDOT/B&N)**
    - ❑ General Update

6. **Roadway (B&N)**
    - ❑ 103rd Avenue Meeting Update
    - ❑ General Update

7. **Drainage (J2)**
    - ❑ General Update

8. **Traffic (B&N)**
    - ❑ Received MAG models
    - ❑ Traffic analysis in progress

9. **Environmental (AZTEC)**
    - ❑ General Update

10. Utilities (TY Lin)

- ❑ Utility CADD file being developed

11. Structures (TY Lin)

- ❑ General Update

12. Geotechnical / Pavement Design (B&N)

- ❑ General Update

13. Public and Stakeholder Involvement (Central Creative)

- ❑ Public and Stakeholder Engagement Plan

14. Right-of-Way (B&N)

- ❑ General Update

15. Landscaping

- ❑ General Update

16. Summary | Miscellaneous Items

- ❑ None

17. Adjourn | Next Meeting

- ❑ Progress Meeting – TBD

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Northern Parkway
Agua Fria River to 99th Avenue
Project No. TT0600/TRACS No. T0188 01L

Design Workshop Meeting Summary

Distribution Date: August 22, 2019

Date of Meeting: July 18, 2019 – 8:30 a.m.

Meeting Location: Maricopa, Cochise, and Apache Conference Rooms

From: Ben Markert, MCDOT

Attendees: **See attached sign-in sheet**

The following meeting summary for the Northern Parkway, Agua Fria River to 99th Avenue, project is for your information, use, and distribution. Please contact Ben Markert at (602) 506-8651 if you have comments or questions. The team list/sign-in sheet is also included following the notes. If there is any missing information or additions to the notes, please let me know. Thank you to everyone who participated in the meeting.

DECISIONS

- Direction was provided by the project team to develop conceptual alternatives that include features or accommodate movements as outlined in the meeting summary below. The alternatives will be developed to test different typical sections, alignments, and access scenarios. The six conceptual alternatives are as follows:
  - Alternative 1 – DCR
    - This alternative will evaluate the impacts of the 2010 DCR recommended alternative
  - Alternative 2 – CSRA Typical Section
    - This alternative will utilize the typical section agreed upon in the CSRA document in December 2017. The alignment will be optimized for the typical section to minimize right-of-way impacts. Access will be restricted at all unsignalized intersections. Secondary roads paralleling Northern Avenue will be shown as needed.
  - Alternative 3 –TT0573 Typical Section
    - This alternative will utilize the typical section agreed upon for the six-lane section of Northern Parkway project TT0573. The alignment will be optimized for the typical section to minimize right-of-way impacts. Access will be restricted at all unsignalized intersections except for ¾ access to

109th Avenue (right-in, right-out, left-in). Secondary roads paralleling Northern will be shown as needed.

- Alternative 4 – Modified TT0573 Typical Section with Side Roads
  - This alternative will utilize a modified version of the typical section agreed upon for the six-lane section of Northern Parkway project TT0573 (narrowed median, attached sidewalk, etc.) to avoid total takes and relocations between 111th Avenue and 107th Avenue. The alignment will be optimized for the typical section to minimize all other right-of-way impacts. Access will be restricted at all unsignalized intersections. Secondary roads paralleling Northern Avenue will be shown as needed.
- Alternative 5 – Modified TT0573 Typical Section with U-turns at 111th Avenue and 107th Avenue
  - This alternative will utilize a modified version of the typical section agreed upon for the six-lane section of Northern Parkway project TT0573 (narrowed median, attached sidewalk, etc.) to avoid total takes and relocations between 111th Avenue and 107th Avenue. The alignment will be optimized for the typical section to minimize all other right-of-way impacts. Access will be restricted at all unsignalized intersections. The intersections of 111th Avenue and 107th Avenue will be sized to accommodate U-turns. No secondary roads will be shown.
- Alternative 6 – CSRA Typical Section Centered on the Section Line
  - This alternative will utilize the typical section agreed upon in the CSRA document in December 2017. The alignment will be centered on the section line. Detailed linework will not be shown for this alternative. Instead, a corridor wide band will be illustrated depicting the footprint of the alternative will be shown on aerial imagery.

NOTES

1. Welcome | Introductions

The meeting participants introduced themselves and Jason Pagnard, Burgess & Niple, explained the purposes of the meeting:

- Establish evaluation criteria
- Discuss access through the corridor
- Identify the typical sections and bridge alternatives

Meeting handouts included: 1) Sign-in sheet, 2) Agenda, 3) Evaluation Criteria Draft, and 4) Typical Sections. A Google Earth kmz was used to facilitate discussion.

The meeting was divided into three sessions, each lasting approximately 45 minutes. The three sessions discussed evaluation criteria, access, and typical sections and bridge alternatives. At the end of each session the groups rotated to the next topic table. Each topic was facilitated by a consultant team member. Evaluation criteria was facilitated by Mr. Pagnard. Access was facilitated by David Lenzer, Burgess & Niple. Typical Section was facilitated by James Barr, TY Lin. At the end of the workshop, each facilitator provided a summary of the ideas discussed at their table.

2. Evaluation Criteria

The evaluation criteria utilized for Northern Parkway project TT0573 was provided to everyone to generate discussion. The TT0573 criteria utilizes a combination of the MCDOT template and criteria identified during that project's design workshop. The evaluation criteria will be used to evaluate the candidate alternatives.

The objective of the exercise was (1) to determine if any criterion should be removed or added and (2) to define each criterion.

A summary of the comments to be considered for finalizing the evaluation criteria as reported by Mr. Pagnard is provided below.

Evaluation Criteria	Note(s)
Access Management	- Conform w/ local access management policies - How access changes neighborhood travel - Ability to cross Northern
Bicycle/Pedestrian Accommodation	- Bike/Ped: Peoria shade initiative - Connectivity to transit - Ability to cross Northern Avenue
Compatibility with Previous IGAs/Agreements	- "Local Agency Acceptance" - Agreements may need to be updated
Constructability	-Timing for permits and easements

Evaluation Criteria	Note(s)
Construction Traffic Control	-Timing (Superbowl 2/2023) - Construction TCPs related to events, major generators, etc.
Drainage	- Right-of-way needs for basins
Environmental Impacts	-Timing for permits
Land Use Impacts	- Existing and planned
Project Costs	- Budget allotted
Regional and Local Travel	- Both, not versus
Structures	- Northern crossing – drainage, bike/ped, etc. - Accommodate future needs/width - Northern Trails
Design Criteria Exceptions	- Consider adding
Project Schedule	- Consider adding
Maintenance (cost/ease)	- Consider adding

3. <u>Access</u>

A roll plot of the corridor and markers were utilized to facilitate discussion for this topic. A summary as reported by Mr. Lenzer is provided below.

- Raised median is okay with right-in-right-outs for all unsignalized accesses
- Design medians to accommodate Emergency Service Vehicles
- Design intersections to accommodate the forecasted left turn movement; in TT0573 the default was dual lefts; that is not guaranteed for the signalized intersections of TT0600
- Develop an alternative that provides full access at 109th Avenue as an option to remove side accesses
- Develop an alternative that includes an alternative that accommodates eastbound U-turns at 107th Avenue
- Develop an alternative that includes new roads/connections between existing roads that parallel Northern from 107th Avenue west
- Develop an alternative that includes a narrowed typical section from 107th Avenue to 111th Avenue to reduce/eliminate right-of-way impacts
- Develop an alternative that centers the widened road on the section line to illustrate impacts; this alternative does not need to be detailed to the extent of the other alternatives
- Terminate bike lanes at 112th Avenue

4. **Typical Sections and Bridge Alternatives**
A roll plot of the corridor and markers were utilized to facilitate discussion for this topic. A summary as reported by Mr. Barr is provided below.

Typical Section

- Room to accommodate 4-lanes each direction is ideal; however, we should not be impacting properties in order to create space for 4 lanes at this time
- 130-foot right-of-way (matching TT0573 typical section) – narrowed at residence and gas utility (pig launcher) to avoid impacts
- Widening to south is better than north – need to hold northern curb line between 103rd Avenue and 107th Avenue
- Bike/Ped – where does bike lane stop? Need to look at Agua Fria master plan for bike paths
- Review need for 4-lanes westbound, west of 99th Avenue
    - The bridge over New River should be built to accommodate 4 lanes, even if only 3 are striped in at this time
- Noise walls – A noise analysis may recommend noise walls, further discussions with the project partners will be required to determine impacts and maintenance needs if noise walls are built
- Rubberized pavement – May be identified in noise mitigation measures, however typically Peoria does not use rubberized pavement, will need to be discussed further if recommended

Bridge

- Widening to the south makes the most sense, either widening the existing bridge or a new second structure
- Crown of the road is important, will need to evaluate its location in relation to lane lines
- Look at (factor in) cost of moving lift station if impacting the north side
- No need to start from scratch; the existing structure is in good condition
- Aesthetics, bike/ped, Safety
    - Barriers from vehicles, like other recent bridges in Peoria, particularly the Happy Valley Parkway design
    - Peoria would like aesthetics on the existing bridge as well as a new bridge if a second structure is built. The cost of aesthetics needs to be discussed with project partners to see who is going to pay for them, as not everything may be eligible for federal funds

5. **Miscellaneous**
B&N coordinated with the Project Partners regarding impacts to project TT0573 caused by alignment changes in TT0600. B&N will update the TT0573 to conform to the TT0600 New River bridge crossing alignment needs

TT0600/T0188 01L Northern Parkway
Agua Fria River to 99th Avenue

DESIGN WORKSHOP SIGN IN
7/18/2019

Contract No: 2018-036

Project No: TT0600

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TD	Tangella Diaz	MCRED	2801 West Durango Street Phoenix, AZ 85009	602-506-4883	tangella.diaz@maricopa.gov
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TT0600/T0188 01L Northern Parkway
Agua Fria River to 99th Avenue

DESIGN WORKSHOP SIGN IN
7/18/2019

Contract No: 2018-036

Project No: TT0600

Initials	Name	Company/Section	Address with Zip Code	Phone	email
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P.K	Peter Knudson	Dibble Engineering/ City of Glendale	7878 North 16th Street Suite 300 Phoenix, AZ 85020	602-957-1155	peter.knudson@dibblecorp.com
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	Kristin Myers	MAG	302 North 1st Avenue, Suite 300 Phoenix, AZ 85003	602-452-5094	kmyers@azmag.gov
	Jason Pagnard	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	602-244-8100 x5332	jason.pagnard@burgessniple.com
DL	David Lenzer	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	602-244-8100 x1502	david.lenzer@burgessniple.com
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TT0600/T0188 01L Northern Parkway
Agua Fria River to 99th Avenue

DESIGN WORKSHOP SIGN IN
7/18/2019

Contract No: 2018-036

Project No: TT0600

Initials	Name	Company/Section	Address with Zip Code	Phone	email
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Northern Parkway
Agua Fria River to 99th Avenue
Project No. TT0600/TRACS No. T0188 01L

Design Workshop Agenda

Date of Meeting: July 18 – 8:30 a.m.

Meeting Location: Maricopa, Cochise, and Apache Conference Rooms

From: Ben Markert, MCDOT

Attendees: **Please sign the sign-in sheet**

8:30 a.m. – 8:50 a.m.	Welcome, Introductions, and Agenda Review
8:50 a.m. – 9:35 a.m.	Session 1
9:45 a.m. – 10:30 a.m.	Session 2
10:40 a.m. – 11:25 a.m.	Session 3
11:25 a.m. – noon	Report Outs/Next Steps

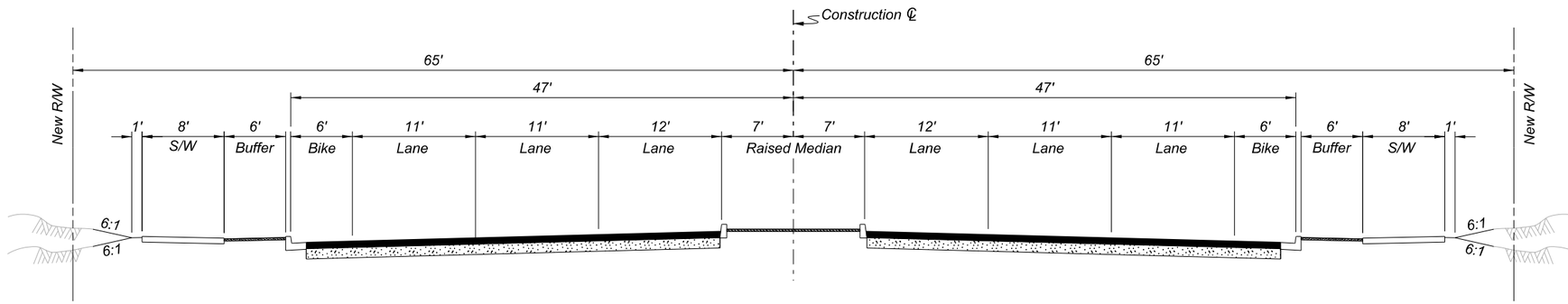
Topics:

- Evaluation Criteria
- Access
- Typical Sections and Bridge Alternatives

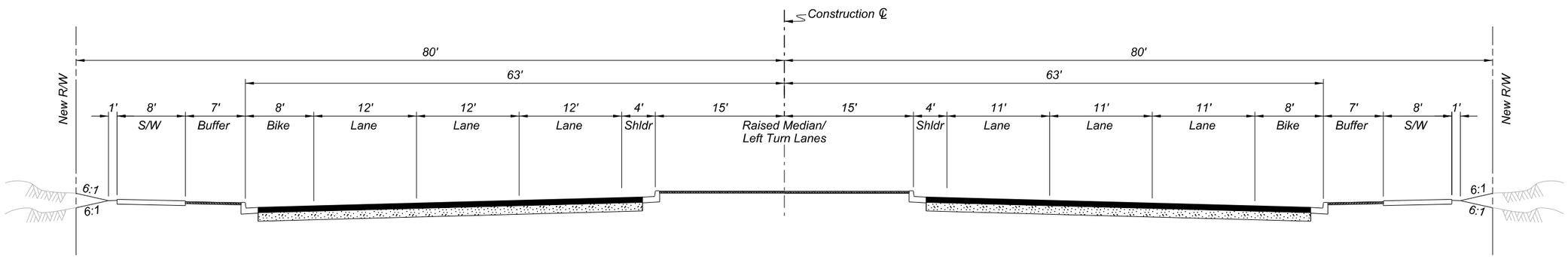
(TT0600/TRACS No. T0188 01L)
Northern Parkway: Agua Fria River to 99th Avenue
Draft Evaluation Criteria

EVALUATION CRITERIA	DESCRIPTION
Access Management	-modifications to existing access points -ability to accommodate future access points
Bicycle/Pedestrian Accommodation	-construction of new facilities -connectivity to existing networks -maintaining/upgrading existing facilities
Compatibility with Previous IGAs/Agreements	-compatibility with prior agreements
Constructability	-anticipated ease of construction -evaluation of independent utility and phasability
Construction Traffic Control	-anticipated construction LOS -viability of alternative routes/detours
Drainage	-extent of drainage impacts -maintaining/upgrading existing facilities
Environmental Impacts	-environmental impacts -level of analysis
Geometry	-location of horizontal alignment -design of vertical alignment -adherence to design criteria -necessity of design exceptions
Land Use Impacts	-anticipated changes to existing/future land use -ability to accommodate existing/future land use
Project Costs	-Design -Construction -Right-of-Way -Utility
Public Acceptance	-public feedback of proposed improvements
Regional vs. Local Travel	-accommodation of regional transportation needs -accommodation of local transportation needs
Right-of-Way	-type/quantity of right-of-way impacts
Safety	-crash mitigation
Serves Existing Activity Centers	-accommodates travel to/from activity centers, including alternative modes of transportation
Structure Improvements	-impacts to existing structures -type/quantity of new structures
Traffic Operations	-LOS in design year -latent capacity in design year
Transit Accommodation	-ability to accommodate potential transit facilities
Utility Impacts	-type/quantity of utility impacts -ability to accommodate utility relocations

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	AZ	TT0600	XXX	XX	



NORTHERN PARKWAY
TT573 - 6-Lane Typical Section
NTS



NORTHERN PARKWAY
CSRA 6-Lane Typical Section
NTS

NO.	REVISION	BY	DATE
3			
2			
1			

MARICOPA COUNTY
DEPARTMENT OF TRANSPORTATION

NORTHERN PARWAY
AGUA FRIA RIVER TO 99TH AVENUE
PROJECT NO. TT0600

PRELIMINARY
NOT FOR
CONSTRUCTION

	BY	DATE
DESIGNED	E.CARBONNEAU	XX/XX/XX
DRAWN	C.ALVAREZ	XX/XX/XX
CHECKED	D.LENZER	XX/XX/XX

BURGESS & NIPLE
1500 N. PRIEST DR. SUITE 102
TEMPE, AZ 85281

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ARIZONA811 BLUE STAKE, INC.
Call 811 or Click Arizona811.com

TYPICAL SECTIONS
DESIGN WORKSHOP - JULY 18, 2019

SHEET
XXX OF XX

TRACS NO.

10:50:38 AM 7/17/2019

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Maricopa County
Department of Transportation

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Northern Parkway
Agua Fria River to 99th Avenue
Project No. TT0600/TRACS No. T0188 01L

Progress Meeting 3 Summary

Distribution Date: September 10, 2019

Date of Meeting: August 26 – 9:00 a.m.

Meeting Location: Maricopa and Cochise Conference Rooms

From: Ben Markert, MCDOT

Attendees: **See attached sign-in sheet**

The following meeting notes for the Northern Parkway, Agua Fria River to 99th Avenue, project are for your information, use, and distribution. Please contact Ben Markert at (602) 506-8651 if you have comments or questions. The team list/sign-in sheet is also included following the notes. If there is any missing information or additions to the notes, please let me know. Thank you to everyone who participated in the meeting.

ACTION ITEMS

No.	Action Item	Responsible	Due Date	Completed	Status/Comments
6	Circulate design criteria	B&N	May 13, 2019	May 13, 2019	No comments received from partners
7	Reach out to City of Glendale and City of Peoria PIO	MCDOT	-	-	Combined with Action Item #9
9	Develop Public Involvement Plan (PIP)	MCDOT and Central Creative	June 28, 2019	June 5, 2019	
11	Contact owners of parcels identified by the DCR as takes	MCDOT	May 31, 2019	June 18, 2019	MCDOT contacted owners near 115th Ave
12	Schedule June Workshop	B&N	May 15, 2019	May 22, 2019	
13	Provide feedback regarding basin locations	Glendale, Peoria, MCDOT	-		Pending Action Item #17

No.	Action Item	Responsible	Due Date	Completed	Status/Comments
14	Provide information regarding street sweeping	Peoria	May 15, 2019	May 7, 2019	Northern is swept every 4 weeks
15	Request Developer Plans	B&N	July 5, 2019	July 5, 2019	
16	Request Reclaimed Water Mapping	B&N	August 26, 2019	July 10, 2019	
17	Identify potential basin locations	J2	August 26, 2019		Pending Conceptual Alternatives

DECISIONS

- City of Glendale and City of Peoria prefer sidewalks on both sides of Northern Avenue, as opposed to a single multi-use trail.

NOTES

1. **Welcome | Introductions**
   Team members were welcomed to the Northern Parkway, Agua Fria River to 99th Avenue, Progress Meeting 3. Meeting handouts included: 1) Sign-in sheet and 2) Agenda.

2. **Review Action Items**
   Action items were reviewed – updates, changes, and additions are as noted in the Action Items section and below.

3. **Review Decisions**
   - No decisions were made during Progress Meeting 2.

4. **Schedule**
   The project schedule was reviewed.

   The following is the anticipated schedule based on the available information:

Milestone	Original Schedule	New Schedule	Actual Completion
Land Survey Complete	January 22, 2019	-	January 22, 2019
Consultant NTP	January 24, 2019	-	January 24, 2019
Design Criteria Approved	March 29, 2019	June 14, 2019	-
Conceptual Alternatives	August 30, 2019	-	August 30, 2019

Milestone	Original Schedule	New Schedule	Actual Completion
Conceptual Alternatives Approved	September 20, 2019	-	-
Public Hearing	February 27, 2020	-	-
IGA Completed	TBD	-	-
Candidate Alternatives	January 17, 2020	-	-
Candidate Alternatives Approved	February 7, 2020	-	-
Recommended Alternative Selected	April 2, 2020	-	-
Prior Rights Information Obtained	August 21, 2020	-	-
Draft SDR and Scoping Plan Submittal	August 21, 2020	-	-
Right-of-Way Identified	November 19, 2020	-	-
Environmental Identification Memorandum (EIM) Submittal	November 19, 2020	-	-
Technical Memoranda Complete	November 19, 2020	-	-
Final Scoping Document – 30% Scoping Plan Submittal	November 19, 2020	-	-
Scoping Approved	January 22, 2021	-	-

- Tasks Due this month/next month
  - Conceptual Alternatives Submittal. Deliverables include
    - ◊ Conceptual Alternatives roll plots as PDF
    - ◊ Conceptual Alternative linework as KMZ
    - ◊ Conceptual Alternative linework as DGN
    - ◊ Conceptual Alternatives Overview document
    - ◊ Preliminary Traffic Overview document
    - ◊ Preliminary Cost Estimates
  - Conceptual Alternatives Approved
- Tasks Completed this month/last month
  - Design Workshop

5. **<u>Survey (MCDOT/B&N)</u>**
   B&N is working with John Ashley, MCDOT, on survey issues west of 115th Avenue. The MCDOT Project TT0347 linework is being used as the future existing condition west of the project.

6. <u>Roadway (B&N)</u>

Six conceptual alternatives are being developed to identify the level of impact. Each alternative terminates into TT0347 on the west and TT0573 on the east. Jason Pagnard, Burgess & Niple, stated that candidate alternatives can be developed by combining desired pieces from the conceptual alternatives. David Lenzer, Burgess & Niple, provided an overview of the features of the conceptual alternatives. These alternatives are presented in the Conceptual Alternatives Overview, submitted August 30, 2019.

During the overview by Mr. Lenzer, the following items were discussed by the overall team:

- The cities of Peoria and Glendale prefer sidewalks on both sides of Northern Avenue, as opposed to a single multi-use trail.
- Negative offset for left turns should be avoided by cutting back the last 50 feet on medians.
- The Pipe Inspection Gage (aka PIG) Launcher would be difficult to relocate, as the pipes need to be kept in alignment. If it is moved east/west, then the northern connection is lost.
- The small parcel between 107th Avenue and Glen Harbor Boulevard may be a possible location for a connecting road. Burgess & Niple will investigate information on the parcel.
- Jimmy Camp, MCDOT, questioned the need for noise walls. Noise analysis is required to determine if and where they are needed. Additionally, the placement of noise walls parallel to existing walls is difficult to construct and maintain. Right-of-way for these walls is not included in the right-of-way analysis for the conceptual alternatives.
- Regarding Alternative 5, moving the U-turn from 111th Avenue to 115th Avenue would minimize residential right-of-way takes. The City of Glendale landfill is to the south of the 115th intersection.
- Alternatives should consider emergency access when including/excluding connector roads.
- Pedestrian and bike connections will be examined along the corridor.

7. <u>Drainage (J2)</u>

Jeff Holzmeister, J2, provided an update on the status of the drainage concept development and indicated that J2 is in the process of identifying basin locations.

A 408 Permit from the US Army Corp of Engineers will be required for any work impacting the New River. J2 and Chris Lemka, City of Peoria, have experienced up to a 2-year lead time when obtaining the permit.

8. **Traffic (B&N)**

Ravi Ambadipudi, Burgess & Niple, stated that traffic analysis indicates that 3 through lanes and a single left in both directions should be sufficient for traffic through the design year 2040.

The temporary signal at 115th Avenue will be shown as existing and will remain in place until 2029. ITS connections should extend to this signal.

9. **Environmental (AZTEC)**

Justin Hoppmann, AZTEC, informed that noise analysis will be conducted for the recommended alternative. A 404 permit will be required.

10. **Utilities (TY Lin)**

Brenan Poe, TY Lin, informed that Public Utility Easements (PUE) will be determined for the conceptual alternatives. There are estimated to be 8 PUE's on the north and south of Northern Avenue which would not affect any structures. PUE's are necessary on both sides of Northern Avenue given the distribution of residential developments.

When considering utility impacts, it would be less expensive to hold the north curb of Northern Avenue and build to the south.

11. **Structures (TY Lin)**

Mr. Poe stated that three bridge alternatives will be discussed in the Conceptual Alternatives Submittal:

1. Adding a new bridge south of the existing structure.
2. Widening the existing structure and hold the north curb line.
3. Widening the existing structure and set the south median curb line on the crown.

The Conceptual Alternatives will show bridge alternative 1.

No retaining walls are expected as part of this project.

12. **Geotechnical / Pavement Design (B&N)**

No update.

13. **Public and Stakeholder Involvement (B&N)**

A public involvement meeting took place regarding the City of Peoria park adjacent to the project area. Attendees were informed that a future meeting would take place to discuss further details of the effects of project TT0600 on the park project.

Denette Dunn was elected to Peoria city council on August 27th, the day following the progress meeting. Each city will continue keeping their councilmembers informed and will request information from the project team as necessary.

14. Right-of-Way (B&N)

B&N is working with MCRED on the right-of-way west of 115th Avenue.

15. Landscaping

No update.

16. Summary | Miscellaneous Items

The following items were discussed:

- Transit accommodations will be considered along the corridor. Bus pullouts are desired on the far-side of each signalized intersection. Accommodations should also be considered for north-south bus routes.
- The developer on the southeast corner of 107th Avenue wants a connection between their cul-de-sac and 107th. There will be meetings with the developer's design team to discuss this road.

17. Next Meeting

The next progress meeting has yet to be scheduled.

TT0600/T0188 01L Northern Parkway
Agua Fria River to 99th Avenue

PROGRESS MEETING 3 SIGN IN
8/26/2019

Contract No: 2018-036

Project No: TT0600

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TT0600/T0188 01L Northern Parkway
Agua Fria River to 99th Avenue

PROGRESS MEETING 3 SIGN IN
8/26/2019

Contract No: 2018-036

Project No: TT0600

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	Galen Drake	J2 Engineering	4649 E Cotton Gin Loop Ste B2 Phoenix, AZ 85040	602-438-2221	gdrake@j2design.us

TT0600/T0188 01L Northern Parkway
Agua Fria River to 99th Avenue

PROGRESS MEETING 3 SIGN IN
8/26/2019

Contract No: 2018-036

Project No: TT0600

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Northern Parkway
Agua Fria River to 99th Avenue
Project No. TT0600/TRACS No. T0188 01L

Progress Meeting 3 Agenda

Date of Meeting: August 26 – 9:00 a.m.

Meeting Location: Maricopa and Cochise Conference Rooms

From: Ben Markert, MCDOT

Attendees: **Please sign the sign-in sheet**

1. **Welcome | Introductions**

2. **Review Action Items**
   - Action Items Review:

No.	Action Item	Responsible	Due Date	Completed	Status/Comments
6	Circulate design criteria	B&N	May 13, 2019	May 13, 2019	No comments received from partners
7	Reach out to City of Glendale and City of Peoria PIO	MCDOT	-	-	Combined with Action Item #9
9	Develop Public Involvement Plan (PIP)	MCDOT and Central Creative	June 28, 2019	June 5, 2019	
11	Contact owners of parcels identified by the DCR as takes	MCDOT	May 31, 2019	June 18, 2019	MCDOT contacted owners near 115th Ave
12	Schedule June Workshop	B&N	May 15, 2019	May 22, 2019	
13	Provide feedback regarding basin locations	Glendale, Peoria, MCDOT	-		Pending Action Item #17
14	Provide information regarding street sweeping	Peoria	May 15, 2019	May 7, 2019	Northern is swept every 4 weeks

No.	Action Item	Responsible	Due Date	Completed	Status/Comments
15	Request Developer Plans	B&N	July 5, 2019	July 5, 2019	
16	Request Reclaimed Water Mapping	B&N	August 26, 2019		
17	Identify potential basin locations	J2	August 26, 2019		

3. Decisions

❖ The following alternatives were selected as the Conceptual Alternatives

- Alternative 1 – DCR
- Alternative 2 – CSRA Typical Section
- Alternative 3 – TT0573 Typical Section
- Alternative 4 – Modified TT0573 Typical Section with Side Roads
- Alternative 5 – Modified TT0573 Typical Section with U-turns at 111th Avenue and 107th Avenue
- Alternative 6 – CSRA Typical Section Centered on the Section Line

4. Schedule

❑ Critical Schedule items for the project

Milestone	Original Schedule	New Schedule	Actual Completion
Land Survey Complete	January 22, 2019	-	January 22, 2019
Consultant NTP	January 24, 2019	-	January 24, 2019
Design Criteria Approved	March 29, 2019	June 14, 2019	-
Conceptual Alternatives	August 30, 2019	-	-
Conceptual Alternatives Approved	September 20, 2019	-	-
Public Hearing	February 27, 2020	-	-
IGA Completed	TBD	-	-
Candidate Alternatives	January 17, 2020	-	-
Candidate Alternatives Approved	February 7, 2020	-	-
Recommended Alternative Selected	April 2, 2020	-	-
Prior Rights Information Obtained	August 21, 2020	-	-

Milestone	Original Schedule	New Schedule	Actual Completion
Draft SDR and Scoping Plan Submittal	August 21, 2020	-	-
Right-of-Way Identified	November 19, 2020	-	-
Environmental Identification Memorandum (EIM) Submittal	November 19, 2020	-	-
Technical Memoranda Complete	November 19, 2020	-	-
Final Scoping Document – 30% Scoping Plan Submittal	November 19, 2020	-	-
Scoping Approved	January 22, 2021	-	-

- ❑ Tasks Due this month/next month
  - Conceptual Alternatives Submittal. Deliverables include
    - ◊ Conceptual Alternatives roll plots as PDF
    - ◊ Conceptual Alternative linework as KMZ
    - ◊ Conceptual Alternatives Overview document
    - ◊ Preliminary Traffic Overview document
    - ◊ Preliminary Cost Estimates
  - Conceptual Alternatives Approved
- ❑ Tasks Completed this month/last month
  - Design Workshop

5. **<u>Survey (MCDOT/B&N)</u>**
   - ❑ General Update

6. **<u>Roadway (B&N)</u>**
   - ❑ Overview of Conceptual Alternatives

7. **Drainage (J2)**
   - ❑ General Update

8. **Traffic (B&N)**
   - ❑ General Update

9. **Environmental (AZTEC)**
   - ❑ General Update

10. **Utilities (TY Lin)**
    - ❑ General Update

11. **Structures (TY Lin)**
    - ❑ New River Bridge Alternatives

12. **Geotechnical / Pavement Design (B&N)**
    - ❑ General Update

13. Public and Stakeholder Involvement (Central Creative)

- ❑ Public Involvement Plan

14. Right-of-Way (B&N)

- ❑ General Update

15. Landscaping

- ❑ General Update

16. Summary | Miscellaneous Items

- ❑ None

17. Adjourn | Next Meeting

- ❑ Progress Meeting – TBD

Maricopa County
Department of Transportation

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Northern Parkway
Agua Fria River to 99th Avenue
Project No. TT0600/TRACS No. T0188 01L

Progress Meeting 4 Summary

Distribution Date: October 10, 2019

Date of Meeting: September 23 – 1:00 p.m.

Meeting Location: Maricopa and Cochise Conference Rooms

From: Ben Markert, MCDOT

Attendees: **See attached sign-in sheet**

The following meeting notes for the Northern Parkway, Agua Fria River to 99th Avenue, project are for your information, use, and distribution. Please contact Ben Markert at (602) 506-8651 if you have comments or questions. The team list/sign-in sheet is also included following the notes. If there is any missing information or additions to the notes, please let me know. Thank you to everyone who participated in the meeting.

ACTION ITEMS

No.	Action Item	Responsible	Due Date	Completed	Status/Comments
13	Provide feedback regarding basin locations	Glendale, Peoria, MCDOT	-		Pending Action Item #17
17	Identify potential basin locations	J2	October 17, 2019		Pending Candidate Alternatives
18	Select third candidate alternative	Project Team	TBD		
19	Update design criteria	B&N	October 17, 2019		1) Design Vehicle 2) Radius Return

DECISIONS

- The following Conceptual Alternatives, with revisions per this progress meeting, were advanced as Candidate Alternatives:
  - Conceptual Alternative 4 Narrow Median
  - Conceptual Alternative 5 Narrow Median U-Turns

NOTES

1. **Welcome | Introductions**
   Team members were welcomed to the Northern Parkway, Agua Fria River to 99th Avenue, Progress Meeting 4. Meeting handouts included: 1) Sign-in sheet, 2) Agenda, and 3) Conceptual Alternatives Summary of Comments.

2. **Review Action Items**
   Action items were reviewed – no updates were made.

3. **Review Decisions**
   - Decisions made during Progress Meeting 3 were reviewed.

4. **Schedule**
   The project schedule was reviewed.

   The approved meeting summary of Progress Meeting 4 shall serve as documentation of Conceptual Alternatives being approved. The third candidate alternative will be selected at a future Executive Committee Meeting or Progress Meeting.

   The following is the anticipated schedule based on the available information:

Milestone	Original Schedule	New Schedule	Actual Completion
Land Survey Complete	January 22, 2019	-	January 22, 2019
Consultant NTP	January 24, 2019	-	January 24, 2019
Design Criteria Approved	March 29, 2019	October 17, 2019	-
Conceptual Alternatives	August 30, 2019	-	August 30, 2019
Conceptual Alternatives Approved	September 20, 2019	-	September 23, 2019
Public Hearing	February 27, 2020	-	-
IGA Completed	TBD	-	-
Candidate Alternatives	January 17, 2020	-	-
Candidate Alternatives Approved	February 7, 2020	-	-
Recommended Alternative Selected	April 2, 2020	-	-
Prior Rights Information Obtained	August 21, 2020	-	-
Draft SDR and Scoping Plan Submittal	August 21, 2020	-	-
Right-of-Way Identified	November 19, 2020	-	-

Milestone	Original Schedule	New Schedule	Actual Completion
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Technical Memoranda Complete	November 19, 2020	-	-
Final Scoping Document – 30% Scoping Plan Submittal	November 19, 2020	-	-
Scoping Approved	January 22, 2021	-	-

- Tasks Due this month/next month
  - Conceptual Alternatives Approved
  - Select Candidate Alternatives
- Tasks Completed this month/last month
  - Conceptual Alternatives Submittal. Deliverables include:
    - ◊ Conceptual Alternatives roll plots as PDF
    - ◊ Conceptual Alternative linework as KMZ
    - ◊ Conceptual Alternatives Overview document
    - ◊ Preliminary Traffic Overview document
    - ◊ Preliminary Cost Estimates

5. <u>Survey (MCDOT/B&N)</u>

No update.

6. <u>Roadway (B&N)</u>

Jason Pagnard, Burgess & Niple, started the discussion by indicating that he had received positive feedback on Alternatives 4 and 5. Chris Lemka, City of Peoria, agreed that he would prefer both of these alternatives to be advanced with some modifications. A third alternative will be selected at a future Executive Committee Meeting or Progress Meeting.

After discussion among team members, Alternatives 4 and 5 will be advanced as follows:

- Alternatives 4 and 5 are identical along Northern Avenue east of 107th Avenue and west of 111th Avenue. There are no substantial proposed changes to the design in these areas.
- Alternatives 4 and 5 include the typical section utilized in the 6-lane section of TT0573 (14' median) east of 107th Avenue and west of 111th Avenue
- Alternatives 4 and 5 have a narrow median between 111th Avenue and 107th Avenue to reduce ROW impacts and prevent total right-of-way takes

- Alternatives 4 and 5 will extend:
  - Royal Palm Road between 112th Avenue and 111th Avenue
  - Orangewood between 107th Avenue and Glen Harbor Boulevard
- Alternative 4
  - Utilizes side roads to maintain access to the areas where left-in, left-out access is prohibited
    - ◊ Extend Royal Palm Road between 108th Avenue and 107th Avenue
    - ◊ Connect the Country Meadows Condominiums to 107th Avenue
- Alternative 5
  - Remove the loons and size intersections for SU design vehicle U-turn
  - Investigate access modifications to Country Meadows Condominiums along Northern Avenue and provide safe entry for delivery trucks

Design Criteria Update Request

Brandon Forrey, City of Peoria, requested that the design criteria be modified for the radius of curb returns and the design vehicle. Mr. Forrey indicated that Peoria would prefer 35' radius returns (as opposed to 40') to conform with curb ramp standard construction drawings and to reduce speeds of turning vehicles. Chris Lemka, City of Peoria, indicated that U-turn movements should be sized for SU delivery vehicles, not for the WB-50 design vehicle. Project Partners will be presented with updated design criteria for approval.

Review of Initial Conceptual Comment Responses

Meeting attendees reviewed the compilation of comments received regarding the Conceptual Alternatives Submittal. Minor discussion that clarified comments will be captured in the final responses to comments. All other comment discussions are summarized in this meeting summary. Comment numbers referenced below refer to the numbers in the summary of comments document.

Comment #2: ***Additional local access roads should be added to Alternative 3 to provide better neighborhood circulation.***

Through group discussion, it was determined this comment was more of a general comment that was applicable to any advanced alternative that did not include all of the local access roads depicted in the DCR Concept. Considerations shall be given for both residence access and emergency response. Emergency responders will be consulted as part of the scoping process to ensure the proposed improvements are acceptable.

Secondary access to the condominiums west of 107th Avenue was discussed. Purab Adabala, City of Glendale, requested that condominium access be shown at the public meeting. Specifically, the depiction should address how delivery trucks are accommodated. Kimberly Richards, MCDOT, questioned whether the gate at the condominiums can be moved to the south. Ms. Richards also expressed that access

roads should not be represented as definite during public involvement meetings. Mr. Pagnard suggested that during public involvement, both options of developing access roads and not developing access roads should be presented. Ben Markert, MCDOT, suggested that a magnified visual of condominium access should be presented with further details depicting signage and parking impacts. Mr. Markert stated that if the condominium access road is not shown, reasons for not including it shall be documented.

Marinela Papa Konomi, MCDOT, requested that documentation of decisions regarding condominium access include all prior decisions from the DCR. Justin Hoppmann, AZTEC Engineering, agreed.

Comment #5: ***Alternative 5 has u-turns that are not pedestrian friendly, extended crossing time. U-turns could be designed for a smaller design vehicle to reduce their impact on pedestrians and adjacent homes***.

See discussion under ***Design Criteria Update Request*** and within the section that discusses how alternative 5 will be advanced.

7. **Drainage (J2)**

J2 will provide graphics displaying basin options. Pertaining to comment #34, the City of Glendale shall be contacted regarding modifying the length of open channel in order to adequately accommodate storm water and determine the necessary right-of-way.

Attendees were informed that the USACE process is being modified regarding permitting for impacts to the New River.

8. **Traffic (B&N)**

Burgess & Niple is continuing work on the traffic analysis. 99th Avenue will not be included in future submittals since it is part of MCDOT Project TT0573.

9. **Environmental (AZTEC)**

Ms. Papa Konomi will coordinate with Mr. Hoppmann regarding further environmental work. As further cost estimates are developed, an estimation of noise abatement cost should be included. Conclusions from environmental documents shall also be included in future submittals.

10. **Utilities (TY Lin)**

Attendees discussed the major utilities present on the north side of the project. As plans are developed, the impacts on these utilities should be considered as limiting the impacts will reduce the overall cost of the project.

11. **Structures (TY Lin)**

Brenan Poe, TY Lin, reviewed the three bridge alternatives which were discussed in the Conceptual Alternatives Submittal:

- Adding a new bridge south of the existing structure;
- Widening the existing structure and hold the north curb line; and
- Widening the existing structure and set the south median curb line on the crown.

A preference was expressed for constructing all new bridge area to the south to avoid utilities.

Per the request of the City of Peoria, the bridge typical section is identical to the new Happy Valley Road bridge as it pertains to pedestrian and bicycle accommodations.

12. Geotechnical / Pavement Design (B&N)

John Shi, MCDOT, and Gant Yasanayake, MCDOT, asked what geotechnical work is necessary during scoping. The project team intends to utilize historic boring data and the DCR pavement structural section during scoping. Mr. Poe confirmed that the bridge engineers are comfortable using historic data.

13. Public and Stakeholder Involvement (B&N)

Coordination and communication with developers will continue throughout scoping. Developers will be invited to a public meeting. A separate meeting for developers will also be considered as an option. The design team has been in contact with developers for the northwest, southwest, and southeast corners of the intersection of Northern Avenue and 107th Avenue and with Swire Coca-Cola.

Mr. Markert recommended that insets detailing the modified condominium access be provided for the public meeting.

14. Right-of-Way (B&N)

No update.

15. Landscaping

No update.

16. Summary | Miscellaneous Items

None.

17. Next Meeting

The next progress meeting is yet to be scheduled.

TT0600/T0188 01L Northern Parkway
Agua Fria River to 99th Avenue

PROGRESS MEETING 4 SIGN IN
9/23/2019

Contract No: 2018-036

Project No: TT0600

Initials	*Name*	*Company/Section*	*Address with Zip Code*	*Phone*	*email*
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ARH	Angela Horn	MCDOT Systems Planning	2901 West Durango Street Phoenix, AZ 85009	602-506-4176	angela.horn@maricopa.gov
	Traci Ruth	MCDOT Communications and Outreach Manager	2901 West Durango Street Phoenix, AZ 85009	602-506-8628	traci.ruth@maricopa.gov
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	Jimmy Camp	MCDOT Structures	2901 West Durango Street Phoenix, AZ 85009	602-506-4880	jimmy.camp@maricopa.gov
	Kelly Roy	MCDOT Utilities	2901 West Durango Street Phoenix, AZ 85009	602-506-8603	kelly.roy@maricopa.gov
	Timothy Williams	MCDOT Utilities	2901 West Durango Street Phoenix, AZ 85009	602-506-2869	timothy.williams@maricopa.gov
J.S.	John Shi	MCDOT Materials	2901 West Durango Street Phoenix, AZ 85009	602-506-8658	john.shi@maricopa.gov
KR	Kimberly Richards	MCDOT Intergovernmental	2901 West Durango Street Phoenix, AZ 85009	602-506-1630	kimberly.richards@maricopa.gov
	Chad Ashe	MCDOT Intergovernmental	2901 West Durango Street Phoenix, AZ 85009	602-506-8674	chad.ashe@maricopa.gov
MPK	Marinela Papa Konomi	MCDOT Environmental	2901 West Durango Street Phoenix, AZ 85009	602-506-3994	marinela.papa.konomi@maricopa.gov
	David Fritz	MCDOT Roadway and Drainage	2901 West Durango Street Phoenix, AZ 85009	602-506-2826	david.fritz@maricopa.gov
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	Michael Vespucci	MCDOT	2901 West Durango Street Phoenix, AZ 85009		michael.vespucci@maricopa.gov
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TT0600/T0188 01L Northern Parkway
Agua Fria River to 99th Avenue

PROGRESS MEETING 4 SIGN IN
9/23/2019

Contract No: 2018-036

Project No: TT0600

Initials	Name	Company/Section	Address with Zip Code	Phone	email
	Mike Duncan	FCDMC	2801 West Durango Street Phoenix, AZ 85009	602-506-4732	mike.duncan@maricopa.gov
	Pat Mertz	MCRED	2801 West Durango Street Phoenix, AZ 85009	602-506-4639	pat.mertz@maricopa.gov
	Eric Prosnier	ADOT Project Management	205 S 17th Avenue, MD 614E Phoenix, AZ 85007	602-712-8495	EProsnier@azdot.gov
CBL	Chris Lemka	City of Peoria	9875 N 85th Avenue Peoria, AZ 85345	623-773-7260	chris.lemka@peoriaaz.gov
	Charles Andrews	City of Peoria	9875 N 85th Avenue Peoria, AZ 85345		charles.andrews@peoriaaz.gov
	Daniel Kiel	City of Peoria	9875 N 85th Avenue Peoria, AZ 85345		Daniel.Kiel@peoriaaz.gov
SR	Lisa Rodriguez	City of Peoria	9875 N 85th Avenue Peoria, AZ 85345		lisa.rodriguez@peoriaaz.gov
B.F.	Brandon Forrey	City of Peoria	9875 N 85th Avenue Peoria, AZ 85345		brandon.forrey@peoriaaz.gov
PKA	Purab Adabala	City of Glendale	6210 W Myrtle Avenue, Suite 112 Glendale, AZ 85301	623-930-2926	padabala@glendaleaz.com
	Peter Knudson	Dibble Engineering/ City of Glendale	7878 North 16th Street Suite 300 Phoenix, AZ 85020	602-957-1155	peter.knudson@dibblecorp.com
	Bryce Christo	City of El Mirage	10000 North El Mirage Road El Mirage, AZ 85335	623-876-2974	bchristo@elmirageaz.gov
	John Bullen	MAG	302 North 1st Avenue, Suite 300 Phoenix, AZ 85003	602-254-6300	jbullen@azmag.gov
	Quinn Castro	MAG	302 North 1st Avenue, Suite 300 Phoenix, AZ 85003	602-254-6300	qcastro@azmag.gov
	Kristin Myers	MAG	302 North 1st Avenue, Suite 300 Phoenix, AZ 85003	602-452-5094	kmyers@azmag.gov
JP	Jason Pagnard	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	602-244-8100 x5332	jason.pagnard@burgessniple.com
DCL	David Lenzer	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	602-244-8100 x1502	david.lenzer@burgessniple.com
CPA	Cynthia Alvarez	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	602-244-8100 x5320	cynthia.alvarez@burgessniple.com
	Kristin Darr	Central Creative	24 W Camelback Rd #A-479 Phoenix, AZ 85013	602-368-9644	kristin@centralcreativeaz.com
JH	Justin Hoppmann	AZTEC Engineering	4561 E. McDowell Road Phoenix, AZ 85008	602-458-9261	jhoppmann@aztec.us
	Galen Drake	J2 Engineering	4649 E Cotton Gin Loop Ste B2 Phoenix, AZ 85040	602-438-2221	gdrake@j2design.us

TT0600/T0188 01L Northern Parkway
Agua Fria River to 99th Avenue

PROGRESS MEETING 4 SIGN IN
9/23/2019

Contract No: 2018-036 **Project No: TT0600**

Initials	Name	Company/Section	Address with Zip Code	Phone	email
	Dave Bruggeman	Lee Engineering	3610 N 44th St, Ste 100 Phoenix, AZ 85018	602-955-7206	dbruggeman@lee-eng.com
	James Barr	TY Lin International	60 E Rio Salado Parkway Ste 501 Tempe, AZ 85281	480-333-4405	James.Barr@tylin.com
BP	Brenan Poe	TY Lin International	60 E Rio Salado Parkway Ste 501 Tempe, AZ 85281	480-333-4168	brenan.poe@tylin.com
	Kooi-Lim Hoe	TY Lin International	60 E Rio Salado Parkway Ste 501 Tempe, AZ 85281	480-333-4160	Kooi-lim.hoe@tylin.com
	Will Randolph	MAG		602 452 5021	wrandolph@azmag.gov
	James Philbin	JC		602 438-2221	jphilbin@j2design.us
MC	Seth Cholmers	Dibble Eng		602-363-1834	Seth.Cholmers@Dibblecorp.com
GY	Gunt Yasanayake	MCDOT	2901 W. Durango	602-506-4134	gunt-yasanayake@maricopa.gov

Maricopa County
Department of Transportation

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Northern Parkway
Agua Fria River to 99th Avenue
Project No. TT0600/TRACS No. T0188 01L

Progress Meeting 4 Agenda

Date of Meeting: September 23, 2019 – 1:00 p.m.

Meeting Location: Maricopa and Cochise Conference Rooms

From: Ben Markert, MCDOT

Attendees: **Please sign the sign-in sheet**

1. **Welcome | Introductions**

2. **Review Action Items**
   - Action Items Review:

No.	Action Item	Responsible	Due Date	Completed	Status/Comments
13	Provide feedback regarding basin locations	Glendale, Peoria, MCDOT	-		Pending Action Item #17
17	Identify potential basin locations	J2	August 26, 2019		Pending Conceptual Alternatives

3. **Decisions**
   - ❖ No decisions were made at this time.

4. Schedule

- ❑ Critical Schedule items for the project

Milestone	Original Schedule	New Schedule	Actual Completion
Land Survey Complete	January 22, 2019	-	January 22, 2019
Consultant NTP	January 24, 2019	-	January 24, 2019
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Recommended Alternative Selected	April 2, 2020	-	-
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Technical Memoranda Complete	November 19, 2020	-	-
Final Scoping Document – 30% Scoping Plan Submittal	November 19, 2020	-	-
Scoping Approved	January 22, 2021	-	-

- ❑ Tasks Due this month/next month
  - Conceptual Alternatives Approved
  - Select Candidate Alternatives
- ❑ Tasks Completed this month/last month
  - Conceptual Alternatives Submittal. Deliverables include:
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    - ◊ Preliminary Traffic Overview document
    - ◊ Preliminary Cost Estimates

5. **Survey (MCDOT/B&N)**
    - ❑ General Update

6. **Roadway (B&N)**
    - ❑ Review of Conceptual Alternatives comments
    - ❑ Select Candidate Alternatives

7. **Drainage (J2)**
    - ❑ General Update

8. **Traffic (B&N)**
    - ❑ General Update

9. **Environmental (AZTEC)**
    - ❑ General Update

10. Utilities (TY Lin)

- ❑ General Update

11. Structures (TY Lin)

- ❑ General Update

12. Geotechnical / Pavement Design (B&N)

- ❑ General Update

13. Public and Stakeholder Involvement (Central Creative)

- ❑ General Update

14. Right-of-Way (B&N)

- ❑ General Update

15. Landscaping (J2)

- ❑ General Update

16. Summary | Miscellaneous Items

- ❑ None

17. Adjourn | Next Meeting

- ❑ Progress Meeting – TBD

Summary of Comments Form

TT0600: Northern Parkway
Agua Fria River to 99th Avenue

Submittal	Conceptual Alternaticves	**Project Name**	Northern Parkway: Agua Fria River to 99th Avenue Scoping
Return Date	9/13/2019	**Project Number**	MCDOT TT0600 | ADOT TRACS NO. T0188 01L
Reviewed By	Multiple	**Contract Number**	2018-036
Agency	Maricopa County Department of Transportation	**Consultant / Designer**	Burgess & Niple, Inc.
Discipline/Office	Multiple	**Project Manager**	Ben Markert, PE

A = WILL COMPLY, B = CONSULTANT / DESIGNER TO EVALUATE, C = MCDOT TEAM TO EVALUATE, D = DESIGN TEAM RECOMMENDS NO FURTHER ACTION

No	Discipline	Original No.	Item* / Dgn / Sht / Pg. #	Comment By	Comment	Disposition		Comment Addressed By	Response / Comment
						Initial	Final		
1		1		Glendale (PA/PK)	Alternative 2 provides the option to add a 4th lane in each direction at the lowest cost. This protects the ability for the roadway to serve as a high capacity corridore in the future.	A			***Noted. If Alternative 2 is advanced, text will be included in evaluation matrix.***
2		2		Glendale (PA/PK)	Additional local access roads should be added to Alternative 3 to provide better neighborhood circulation.	B/C			***This will be communicated to the Project Partners.***
3		3		Glendale (PA/PK)	The local access roadway from Orangewood to Glen Harbor connects a neighborhood to an industrial areas. The residents may be oposed to this.	A			***Noted.***
4		4		Glendale (PA/PK)	Alternative 5 has u-turns that are not pedestrian friendly, extended crossing time. U-turns could be designed for a lesser design vehicle to reduce their impact on pedestrians and adjacent homes.	B/C			***If alternative is advanced, design criteria change concurrence will be requested from the Project Partners.***
5		5		Glendale (PA/PK)	On several of the alternatives, the widths of sidewalks, bike lanes and landscape buffers can be reduced to reduce the impact on adjacent homes.	A			***Design will be optimized throughout alternative development.***
6	Peoria	1	T Overview (pg 1)	Peoria (CL)	Why are we using 2018 as existing when it is almost the end of 2019?	A			***Our analysis is for 2019 counts and the text will be updated accordingly.***
7	Peoria	2	T Overview (pg 13)	Peoria (CL)	Do the turning movement volumes at 99th Avenue/Northern reflect the potential development on the SEC?	C			***The 99th counts do not reflect the development in the SEC (only the development patterns and land use approved by the City is included in the MAG forecasts and our post-processing efforts).*** ***This intersection will be continue to be analyzed as part of the final design for TT0372 as additional info for the development materializes***
8	Peoria	3	T Overview (pg 23)	Peoria (CL)	99th Ave and Northern is shown in the NO Build option, but not with the build option. 99th Avenue needs to be shown here, it is part of the corridor.	A			***99th and Northern Ave intersection analysis was included in TT0573. We will update this report to include that analysis.***
9	Peoria	4	T Overview (pg 34)	Peoria (CL)	Why are these counts over 1.5 years old? These counts were collected prior to the award of contract for this Scoping Project.	C			***We utilized the counts performed as part of TT0573. If it is determined that updated counts should be gathered, we will get them for those intersections.***
10	Peoria	5	T Overview (pg 41)	Peoria (CL)	There are turning movement counts collected in April 2019 and other counts in January 2018. Why should the project team accept data that is over 1.5 years old?	C			***We utilized the counts performed as part of TT0573. If it is determined that updated counts should be gathered, we will get them for those intersections.***

Summary of Comments Form

A = WILL COMPLY, B = CONSULTANT / DESIGNER TO EVALUATE, C = MCDOT TEAM TO EVALUATE, D = DESIGN TEAM RECOMMENDS NO FURTHER ACTION

No	Discipline	Original No.	Item* / Dgn / Sht / Pg. #	Comment By	Comment	Disposition		Comment Addressed By	Response / Comment
						Initial	Final		
11	Peoria	6	C. A. Overview (pg 1)	Peoria (CL)	The City will require the bridge over New River to contain aesthetic treatments, which the city will pay for as part of the project. The city will also request a City of Peoria entry monument sign for EB traffic.	A			***Noted.***
12	Peoria	7	C. A. Overview (pg 25)	Peoria (CL)	This is my preferred alternative because of minimizing impacts to existing properties between 111th Ave and 107th Ave. *(B&N Note: comment is referencing Alt 5)*	A			***Noted.***
13	Peoria	8	C. A. Overview (pg 25)	Peoria (CL)	This U-turn does not need to accommodate a WB-50, which will require acquiring two existing homes. The majority of the U-turns will be passenger vehicles. This is no different than any other intersection in the city, which allows U-turns with 3 receiving lanes without a loon.	A			***If alternative is advanced, design criteria change concurrence will be requested from the Project Partners.***
14	TSM	1	C. A. Overview	MCDOT (NS)	Do we show a left turn lane for EB at 115th Ave for the alternatives.	A			***Alternatives 2-6 include an EB left turn and pocket at the intersection of 115th.***
15	Env	1	C A Overview -	MCDOT (MPK)	Replace TRACS no in the project footnote with T0188 01L	A			***Will update on all future documents.***
16	Env	2	C . A. Overview 200.1.6 pg 4 / 29	MCDOT (MPK)	Revise with: The EA completed on 2010 for the Northern Parkway corridor and approved on 05/11/2010 indicates that the No Build Alternative is predicted to increase existing noise levels and future peak traffic-hour noise levels are predicted to exceed the NAC for Category B land uses due to the predicted growth in traffic on existing surface streets. Add information how the no build will impact other environmental resources, i.e. natural resources, socioeconomic conditions, etc.	A			***Will update on all future documents.***
17	Env	3	C . A. Overview 200.2.6 pg 6 / 29	MCDOT (MPK)	Replace the entry with relevant information from the final EA as it relates to the environmental design mitigations for the DCR concept.	A			***Will update on all future documents.***
18	Env	4	C . A. Overview 200.3.6 pg 10/29	MCDOT (MPK)	2nd sentence - How will the alternatives 2-6 impact the socioeconomic conditions, existing and planned land uses, etc.? Refer to the Table 4-8 of the 2010 EA for a list of resources. 3rd sentence: The 2010 DCR/EA indicated that additional residential development will occur for this portion of the study area, potentially increasing the noise receptors that might be impacted. Indicate the 2019 existing conditions of the noise receptors and if different from the DCR/EA baseline. Traffic noise analysis is required for all Build alternatives under the National Environmental Policy Act (NEPA) process.	A			***All environmental impacts will continue to be evaluated as the alternatives are developed. An EIM TM will be completed during the scoping process.***
19	Env	5	C . A. Overview 200.4.6 pg15/29	MCDOT (MPK)	Revise with relevant information as discussed in comment No 4.	A			***All environmental impacts will continue to be evaluated as the alternatives are developed. An EIM TM will be completed during the scoping process.***

Summary of Comments Form

TT0600: Northern Parkway
Agua Fria River to 99th Avenue

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20	Env	6	C . A. Overview 200.5.6 Pg.20/29	MCDOT (MPK)	Revise with relevant information as discussed in comment No 4.	A			***All environmental impacts will continue to be evaluated as the alternatives are developed. An EIM TM will be completed during the scoping process.***
21	Env	7	C . A. Overview 200.6.6 Pg. 25/29	MCDOT (MPK)	Revise with relevant information as discussed in comment No 4.	A			***All environmental impacts will continue to be evaluated as the alternatives are developed. An EIM TM will be completed during the scoping process.***
22	Env	8	C . A. Overview 200.2.10	MCDOT (MPK)	The DCR/EA included provisions of noise abatement measures. Please confirm that the estimated approx cost of the noise abatementis included in the overall project cost estimate.	A			***Noise abatement costs were not itemized. Costs for noise abatement is assumed to be covered in the 30% unidentified item contingency.***
23	Env	9	C . A. Overview 200.3.10; 200.4.10; 200.5.10; 200.6.10	MCDOT (MPK)	Please clarify if the cost estimate for noise abatement is part of the 1% environmental surcharge for each alternative or part of the design cost. Will the cost estimate for noise abatement vary between alternatives 2-6?	B/C			***Noise abatement costs were not itemized at this time. Costs for noise abatement is assumed to be covered in the 30% unidentified item contingency.*** ***It is anticipated that noise abatement construction costs will be similar for alternatives 2-6. ROW and maintenance costs may differ depending on design of noise abatement solutions***
24	Engineering	1	Alt 2 & 5 Roll Plots	MCDOT (AEJ)	Clarify what access is being provided at 108th Ave for the Country Meadows Condominiums.	A			***Access to the apartment complexes would be converted to right-in, right-out.***
25	Engineering	2	Alt 2 & 5 Roll Plots	MCDOT (AEJ)	The cross section shows attached sidewalk on both sides of Northern Parkway, but the plan view shows detached sidewalk for a large part of the project. Please clarify or add an additional typical section.	A			***Sidewalk will be detached where ROW permits. Additional detail to typical sections will be added as part of the SDR submittals.***
26	Engineering	3	Conceptual Alts Overview	MCDOT (AEJ)	Correct text errors as shown in attached redlines.	A			***Text will be updated in future submittal documents.***
27	Engineering	1	Cost Estimate	MCDOT (KAA)	Alternative 1 cost estimate is absent.	A			***An itemized cost estimate was not developed for Alternative 1. The cost estimate was based on the DCR cost estimate for the same geographic sections and then inflated. Text will be added in future documents to show how the cost was calculated for Conceptual Alternative 1***
28	Engineering	2	Report Page 8/29	MCDOT (KAA)	Paragraph 7: Avoid vague phrases that will require further explanation to be understood. …."The proposed structure concept matches the concept used along Happy Valley Road".... What concept? Where on Happy Valley Road? Happy Valley Road is nowhere near this project. Please clarify.	A			***Text will be updated in future documents.***
29	Engineering	3	Report Page 8/29 (Typ.)	MCDOT (KAA)	Concept plans show a north sidewalk between 111th and 112th Avenues, contrary to the statement in paragraph 5.	A			***The sidewalk shown on the north side is a 12' wide, two-way multi-use path.***
30	Engineering	4	Concept Plan	MCDOT (KAA)	Concept Plan: Can't see where 110th Ave. intersects Northern Ave.	A			***The 110th Avenue referenced in the text is 110th Avenue south of Northern (110th north of Northern does not intersect). Text will be clarified.***

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31	Engineering	5	Page 10/29 Typical	MCDOT (KAA)	The report needs to distinguish when it is discussing offsite flow mitigation from when it is discussing on-site flow. Not sure when the use of sewer trunk lines is for the puposes of capturing and conveying offsite, or onsite, or both. Not sure if in-field basins are being considered for capturing all offsite flows for delivering in the trunk lines, etc.. If solely, would they be effective for offsite flow mitigation? Please clarify.	A			***A Drainage TM will be completed and will discuss off-site vs. on-site.***
32	Engineering	6	Page 10/12 (Typical)	MCDOT (KAA)	Agua Fria to 112th Ave: Storm water will pond along the northside and be routed to the river……; is a length of open channel necessary to capture this flow and prevent any ponding against the roadway, in the first place? Protection of the north side of roadway would therefore, not be needed as presented. What kind of protection is being considered? Clarify if enough R/W will be on hand for it.	B			***Will investigate.***
33	Engineering	7	Page 10/12 (Typ.)	MCDOT (KAA)	Agua Fria to 112th Ave: Bullet 3, did you intend to mean northeast corner of Agua Fria……as oppose to NW corner?	A			***Yes it is the NE corner.***
34	Engineering	8	Page 10/12	MCDOT (KAA)	112th to 108th: Same comment as No. 3 above. It is important to factor this concern in, so the right approach and the right amount of R/W is considered from the start for an effective offsite drainage mitigation.	B			***Will investigate.***
35	Engineering	9	General	MCDOT (KAA)	This report is lacking a conclusion to this study; please provide.	D			***Overview is for information only. Conclusion will be added on future documents.***
36	Engineering	10	General	MCDOT (KAA)	Present the findings in a table so the comparisons between the alternatives could be seen side-by-side.	A			***Information will be added or relocated for future submittals.***
37	Engineering	1	Add	MCDOT (TG)	Project Location and Description - Check with PDM to include the information required by this subsection such as a location map with vicinity map , limits of study in comparison to adjacent streets, highways, or other unique features.	A			***Information will be added or relocated for future submittals.***
38	Engineering	2	Page 2 of 29	MCDOT (TG)	Will these segments TT0500, TT0501, and TT0502 be developed separately in the future or still be developed and listed under TT0600?	B/C			***It is the design team's understanding that the determination of project phasing/sequencing of final design and construction project TT0500, TT0501, and TT0502 will be made as part of the scoping process.***
39	Engineering	3	Page 2 of 29	MCDOT (TG)	100.2 Project Purpose - Third Bullet and fifth Bullets: The project shall provide or keep same accesses to all commercials and industrial companies regardless of the proposed raised median and as well to the local residential areas by improving the traffic connection system that allows the ingress and egress from private properties to Northern Parkway.	B/C			***Project purpose text will be coordinated with environmental staff and project partners.***
40	Engineering	4	Page 3 of 29	MCDOT (TG)	200.1 No-Build - Why is this alternative introduced at this level? This is usually part of the Recommended Alternative unless it is included as part the scope of work? Better to call it out as 'Existing Features' per PDM.	A			***Information will be added or relocated for future submittals.***

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41	Engineering	5	General	MCDOT (TG)	Conceptual Alternatives - This best described by following TM Alternative Analysis with certain subsections to be ignored (Candidate alternatives and Recommended Alternative) and hence keeping the report within the scope of the PDM outlines.	A			***Information will be added or relocated for future submittals.***
42	Engineering	6	Page 3 of 29	MCDOT (TG)	200.1.1 Roadway Overview - Provide information about the surrounding areas, R/W, Roadway Classification etc.	A			***Information will be added or relocated for future submittals.***
43	Engineering	7	Page 14 of 29	MCDOT (TG)	200.4.3 ITS Overview - Could you provide the size of trunk and whether this trunk requires a new sleeve to be attached to the bridge if non does not exist?	A			***Information will be added or relocated for future submittals.***
44	Engineering	8	Page 15 of 29	MCDOT (TG)	200.4.7 Drainage Overview - Aqua Fria River (AFR) to 112th Avenue - Second Bullet, what type of drainage facility (channel, ditch, storm sewer etc.) will be used to divert the storm water to AFR? Also define the type of protection to the north side of the road.	A			***Information will be added or relocated for future submittals.***
45	Engineering	9	General	MCDOT (TG)	It is recommended to have a Matrix of Evaluation listing the main issues of all the conceptual alternatives. This will help facilitate the comparison and provide a summary of the main factors or parameters that dictate the design.	A			***Information will be added or relocated for future submittals.***
46	Engineering	10	Page 29 of 29	MCDOT (TG)	300 Structural Alternatives - An Evaluation Matrix may help resolve the dilemma of choosing one option of these three alternatives. The second alternative tends to provide a feasible choice regardless of the existing crown; since the centerline will be shifted one lane to the south and hence a correction (lane width x crown slope, and the widening could utilize the existing concrete shoulder with additional lane widths (1-1.5)	A			***Information will be added or relocated for future submittals.***
47	Engineering	11	Page 1 of 2	MCDOT (TG)	Bike Lane width: Check 2019 RDM for bike lane width as set at 5.5' (and not 6') from face of curb.	D			***Design criteria is shown as approved by the Project Partners specifically for this project.***
48	Engineering	12		MCDOT (TG)	All pay items shall be identified in a similar manner as shown in the Bid Item Master List (BIML). Unknown items listings or descriptions shall be prepared according to the sections or chapters as indicated in MAG, MCDOT Supplement to MAG, RDM etc. For example, Item 340.013xx, this concrete curb ramp shall be identified by MCDOT Supplement Detail(s) sheet or MAG Detail Sheet etc. **Typical all**	A			***Cost estimate will be refined throughout the alternative development process.***

Maricopa County
Department of Transportation

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Northern Parkway
Agua Fria River to 99th Avenue
Project No. TT0600/TRACS No. T0188 01L

Progress Meeting 5 Summary

Distribution Date: December 9, 2019

Date of Meeting: November 19 – 3:00 p.m.

Meeting Location: Apache Conference Room

From: Ben Markert, MCDOT

Attendees: **See attached sign-in sheet**

The following meeting notes for the Northern Parkway, Agua Fria River to 99th Avenue, project are for your information, use, and distribution. Please contact Ben Markert at (602) 506-8651 if you have comments or questions. The team list/sign-in sheet is also included following the notes. If there is any missing information or additions to the notes, please let me know. Thank you to everyone who participated in the meeting.

ACTION ITEMS

No.	Action Item	Responsible	Due Date	Completed	Status/Comments
18	Select third candidate alternative	Project Team	TBD	November 20, 2019	Modified TT0573 Section with 3/4 Access
19	Update design criteria	B&N	October 17, 2019	October 11, 2019	1) Design Vehicle 2) Radius Return
20	Coordinate with City of Peoria for Basin Agreement	B&N	December 13, 2019		
21	Schedule Structures Technical Meeting	TYLIN	December 13, 2019		
22	Schedule Landscaping and Aesthetics Meeting	J2	December 13, 2019		
23	Schedule PI Meeting	CC	December 13, 2019		

DECISIONS

- ❖ The following was advanced as the third Candidate Alternative:
  - Modified CSRA Typical Section with 3/4 Access at unsignalized locations

NOTES

1. **Welcome | Introductions**
   Team members were welcomed to the Northern Parkway, Agua Fria River to 99th Avenue, Progress Meeting 5. Meeting handouts included: 1) Sign-in sheet and 2) Agenda.

2. **Review Action Items**

   Action items were reviewed – updates, changes, and additions are as noted in the Action Items section.

3. **Review Decisions**

   Decisions made during Progress Meeting 4 were reviewed.

4. **Schedule**
   The project schedule was reviewed. The upcoming milestones include submittal of the Candidate Alternatives in January and Public Hearing in February.

   The following is the anticipated schedule based on the available information:

Milestone	Original Schedule	New Schedule	Actual Completion
Land Survey Complete	January 22, 2019	-	January 22, 2019
Consultant NTP	January 24, 2019	-	January 24, 2019
Design Criteria Approved	March 29, 2019	October 17, 2019	-
Conceptual Alternatives	August 30, 2019	-	August 30, 2019
Conceptual Alternatives Approved	September 20, 2019	-	September 23, 2019
Public Hearing	February 27, 2020	-	-
IGA Completed	TBD	-	-
Candidate Alternatives	January 17, 2020	-	-
Candidate Alternatives Approved	February 7, 2020	-	-
Recommended Alternative Selected	April 2, 2020	-	-
Prior Rights Information Obtained	August 21, 2020	-	-
Draft SDR and Scoping Plan Submittal	August 21, 2020	-	-
Right-of-Way Identified	November 19, 2020	-	-

Milestone	Original Schedule	New Schedule	Actual Completion
Environmental Identification Memorandum (EIM) Submittal	November 19, 2020	-	-
Technical Memoranda Complete	November 19, 2020	-	-
Final Scoping Document – 30% Scoping Plan Submittal	November 19, 2020	-	-
Scoping Approved	January 22, 2021	-	-

- Tasks Due this month/next month
  - None
- Tasks Completed this month/last month
  - Third candidate alternative selected

5. **Survey (MCDOT/B&N)**
   No update.

6. **Roadway (B&N)**
   Jason Pagnard, Burgess & Niple, indicated exhibits are being developed for access to Country Meadows II Townhomes.

   The third Candidate Alternative, Modified CSRA Typical Section with 3/4 Access, was selected and will be advanced as follows:
   - Three lanes in each direction with a wide median to accommodate future fourth lane expansion
     - Non-curb lanes can be 11' wide
   - Minimum of 8' wide median after the fourth lane in each direction is constructed (for landscaping)
   - 4' wide median bullnose for left turn lanes
   - 6' wide bike lanes
   - Full access at signals and 3/4 access where necessary
   - Royal Palm access road between 112th Avenue and 111th Avenue (other access connections where necessary)
   - Optimize alignment to reduce right-of-way impacts
   - Traffic signal infrastructure located and designed to accommodate future 8 lane section

7. **Drainage (J2)**

   James Philbin, J2, discussed flooding issues with the existing basin at 111th Avenue. Coordination is necessary with Angela Manuel at the City of Peoria and SRP to determine if there are any agreements in place for the existing basin.

8. **Traffic (B&N)**

   Burgess & Niple is continuing work on the traffic analysis.

9. **Environmental (AZTEC)**

   No update.

10. **Utilities (TY Lin)**

    Brenan Poe, TY Lin, indicated the utility technical memorandum is in progress. Prior rights have been requested.

11. **Structures (TY Lin)**

    Chris Lemka, City of Peoria, noted that the New River Bridge should be built to accommodate four lanes in each direction. He emphasized the importance of aesthetics and landscaping for the bridge.

    A technical meeting will be scheduled to discuss bridge alternatives.

12. **Geotechnical / Pavement Design (B&N)**

    The project team intends to utilize historic boring data from the Northern Parkway DCR and bridge record drawings during scoping. Further pavement analysis will be completed during final design.

13. **Public and Stakeholder Involvement (Central Creative)**

    Kristin Darr, Central Creative, indicated a separate meeting should be scheduled to discuss public involvement. Mailings are planned to be distributed in mid-February, with the public meeting in late February.

    Details for the public meeting were discussed. Potential meeting locations include Raymond S. Kellis High School and Country Meadows Elementary School; the preference is to utilize Country Meadows if possible. The meeting will be open house style, allowing for residents to have one on one discussions and ask questions about specific topics. Mr. Lemka indicated Denette Dunn will need to be updated as the new appointed council person. Burgess & Niple will provide resources as necessary.

Anticipated questions that may be asked during the public open house include:

- Will there be a signal at 111th Avenue and 112th Avenue?
- What is the timeline for TT0347 (the project to the west of the project limits)?
- What is the timeline for this project and TT0573?
- Which homes will be impacted/when will they be bought?

14. Right-of-Way (B&N)

Four meetings have been held with proposed developments in the corridor. A Pre-application has been submitted to the City of Peoria for Cornerstone at the northwest corner of Northern Avenue and 99th Avenue. The Cornerstone will have right-in right-out access to Northern Avenue. Potential full access would be 99th Avenue approximately 500' north of the intersection to align with the Park West access point.

15. Landscaping (J2)

Mr. Philbin indicated a meeting will be scheduled to discuss aesthetics and landscaping. Mr. Lemka stated that aesthetic enhancements to the bridge should be in line with other improvements throughout Peoria.

Landscaping and aesthetics can be coordinated with Adina Lund at the City of Peoria and Fred Sanchez at the City of Glendale.

16. Summary | Miscellaneous Items

None.

17. Next Meeting

The next progress meeting is yet to be scheduled.

TT0600/T0188 01L Northern Parkway
Agua Fria River to 99th Avenue

PROGRESS MEETING 5 SIGN IN
11/19/2019

Contract No: 2018-036

Project No: TT0600

Initials	Name	Company/Section	Address with Zip Code	Phone	email
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MPK	Marinela Papa Konomi	MCDOT Environmental	2901 West Durango Street Phoenix, AZ 85009	602-506-3994	marinela.papa.konomi@maricopa.gov
	David Fritz	MCDOT Roadway and Drainage	2901 West Durango Street Phoenix, AZ 85009	602-506-2826	david.fritz@maricopa.gov
AJ	Amy Jones	MCDOT Engineering	2901 West Durango Street Phoenix, AZ 85009	602-506-8115	amy.jones@maricopa.gov
	Michael Vespucci	MCDOT	2901 West Durango Street Phoenix, AZ 85009		michael.vespucci@maricopa.gov
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TT0600/T0188 01L Northern Parkway
Agua Fria River to 99th Avenue

PROGRESS MEETING 5 SIGN IN
11/19/2019

Contract No: 2018-036

Project No: TT0600

Initials	Name	Company/Section	Address with Zip Code	Phone	email
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PKA	Purab Adabala	City of Glendale	6210 W Myrtle Avenue, Suite 112 Glendale, AZ 85301	623-930-2926	padabala@glendaleaz.com
	Peter Knudson	Dibble Engineering/ City of Glendale	7878 North 16th Street Suite 300 Phoenix, AZ 85020	602-957-1155	peter.knudson@dibblecorp.com
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	Quinn Castro	MAG	302 North 1st Avenue, Suite 300 Phoenix, AZ 85003	602-254-6300	qcastro@azmag.gov
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	Kaylen Webber	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	602-244-8100 x5311	kaylen.webber@burgessniple.com
	Justin Hoppmann	AZTEC Engineering	4561 E. McDowell Road Phoenix, AZ 85008	602-458-9261	jhoppmann@aztec.us
	Galen Drake	J2 Engineering	4649 E Cotton Gin Loop Ste B2 Phoenix, AZ 85040	602-438-2221	gdrake@j2design.us

TT0600/T0188 01L Northern Parkway
Agua Fria River to 99th Avenue

PROGRESS MEETING 5 SIGN IN
11/19/2019

Contract No: 2018-036

Project No: TT0600

Initials	Name	Company/Section	Address with Zip Code	Phone	email
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Department of Transportation

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Phone: 602-506-8600
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www.mcdot.maricopa.gov

Northern Parkway
Agua Fria River to 99th Avenue
Project No. TT0600/TRACS No. T0188 01L

Progress Meeting 5 Agenda

Date of Meeting: November 19, 2019 – 3:00 p.m.

Meeting Location: Maricopa and Cochise Conference Rooms

From: Ben Markert, MCDOT

Attendees: **Please sign the sign-in sheet**

1. **Welcome | Introductions**

2. **Review Action Items**
   - Action Items Review:

No.	Action Item	Responsible	Due Date	Completed	Status/Comments
13	Provide feedback regarding basin locations	Glendale, Peoria, MCDOT	-	October 23, 2019	Pending Action Item #17
17	Identify potential basin locations	J2	October 17, 2019	October 22, 2019	Pending Candidate Alternatives
18	Select third candidate alternative	Project Team	TBD		
19	Update design criteria	B&N	October 17, 2019	October 11, 2019	1) Design Vehicle 2) Radius Return

3. **Decisions**
   - The following Conceptual Alternatives, with revisions per Progress Meeting 4, were advanced as Candidate Alternatives:
     - Conceptual Alternative 4 Narrow Median
     - Conceptual Alternative 5 Narrow Median U-Turns

4. Schedule

Milestone	Original Schedule	New Schedule	Actual Completion
Land Survey Complete	January 22, 2019	-	January 22, 2019
Consultant NTP	January 24, 2019	-	January 24, 2019
Design Criteria Approved	March 29, 2019	October 17, 2019	-
Conceptual Alternatives	August 30, 2019	-	August 30, 2019
Conceptual Alternatives Approved	September 20, 2019	-	September 23, 2019
Public Hearing	February 27, 2020	-	-
IGA Completed	TBD	-	-
Candidate Alternatives	January 17, 2020	-	-
Candidate Alternatives Approved	February 7, 2020	-	-
Recommended Alternative Selected	April 2, 2020	-	-
Prior Rights Information Obtained	August 21, 2020	-	-
Draft SDR and Scoping Plan Submittal	August 21, 2020	-	-
Right-of-Way Identified	November 19, 2020	-	-
Environmental Identification Memorandum (EIM) Submittal	November 19, 2020	-	-
Technical Memoranda Complete	November 19, 2020	-	-
Final Scoping Document – 30% Scoping Plan Submittal	November 19, 2020	-	-
Scoping Approved	January 22, 2021	-	-

- ❑ Tasks Due this month/next month
  - Select Candidate Alternatives
- ❑ Tasks Completed this month/last month
  - Conceptual Alternatives Approved
  - Public Involvement Coordination Meeting

5. **Survey (MCDOT/B&N)**
   - ❑ General Update

6. **Roadway (B&N)**
   - ❑ Discuss Candidate Alternatives
   - ❑ Discuss updated design criteria

7. **Drainage (J2)**
   - ❑ General Update
   - ❑ Discuss basin locations

8. **Traffic (B&N)**
   - ❑ General Update

9. **Environmental (AZTEC)**
   - ❑ General Update

10. **Utilities (TY Lin)**
    - ❑ General Update

11. **Structures (TY Lin)**
    - ❑ General Update

12. **Geotechnical / Pavement Design (B&N)**
    - ❑ General Update

13. Public and Stakeholder Involvement (Central Creative)

- ❑ Discuss public outreach
- ❑ Discuss meetings with businesses and individuals
- ❑ Discuss updates for elected leaders and management

14. Right-of-Way (B&N)

- ❑ General Update

15. Landscaping (J2)

- ❑ General Update

16. Summary | Miscellaneous Items

- ❑ None

17. Adjourn | Next Meeting

- ❑ Progress Meeting – TBD

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Northern Parkway
Agua Fria River to 99th Avenue
Project No. TT0600/TRACS No. T0188 01L

Progress Meeting 6 Summary

Distribution Date: January 24, 2019

Date of Meeting: December 17, 2019 – 9:00 a.m.

Meeting Location: Maricopa and Cochise Conference Rooms

From: Ben Markert, MCDOT

Attendees: **See attached sign-in sheet**

The following meeting notes for the Northern Parkway, Agua Fria River to 99th Avenue, project are for your information, use, and distribution. Please contact Ben Markert at (602) 506-8651 if you have comments or questions. The team list/sign-in sheet is also included following the notes. If there is any missing information or additions to the notes, please let me know. Thank you to everyone who participated in the meeting.

ACTION ITEMS

No.	Action Item	Responsible	Due Date	Completed	Status/Comments
20	Coordinate with City of Peoria for Basin Agreement	B&N	12/13/19		Coordination underway
21	Schedule Structures Technical Meeting	TYLIN	12/13/19	12/30/19	Occurred on January 8, 2020
22	Schedule Landscaping and Aesthetics Meeting	J2	–	–	Meeting combined with Structures Technical Meeting
23	Schedule PI Meeting	CC	12/13/19	1/14/2020	Occurred on January 15, 2020

DECISIONS

- The following was advanced as the third Candidate Alternative:
  - Modified CSRA Typical Section with 3/4 Access at unsignalized locations

NOTES

1. **Welcome | Introductions**
   Team members were welcomed to the Northern Parkway, Agua Fria River to 99th Avenue, Progress Meeting 6. Meeting handouts included: 1) Sign-in sheet, 2) Agenda, and 3) Draft Evaluation Criteria.

2. **Review Action Items**

   Action items were reviewed – updates, changes, and additions are as noted in the Action Items section.

3. **Review Decisions**

   Decisions made during Progress Meeting 5 were reviewed.

4. **Schedule**
   The project schedule was reviewed. The upcoming milestones include submittal of the Candidate Alternatives in January and Public Hearing in February. Candidate Alternatives will be approved in February following the Executive Committee Meeting.

   The following is the anticipated schedule based on the available information:

Milestone	Original Schedule	New Schedule	Actual Completion
Land Survey Complete	January 22, 2019	-	January 22, 2019
Consultant NTP	January 24, 2019	-	January 24, 2019
Design Criteria Approved	March 29, 2019	October 17, 2019	-
Conceptual Alternatives	August 30, 2019	-	August 30, 2019
Conceptual Alternatives Approved	September 20, 2019	-	September 23, 2019
Public Hearing	February 27, 2020	February 25, 2020	-
IGA Completed	TBD	-	-
Candidate Alternatives	January 17, 2020	-	January 17, 2020
Candidate Alternatives Approved	February 7, 2020	-	-
Recommended Alternative Selected	April 2, 2020	-	-
Prior Rights Information Obtained	August 21, 2020	-	-
Draft SDR and Scoping Plan Submittal	August 21, 2020	-	-
Right-of-Way Identified	November 19, 2020	-	-

Milestone	Original Schedule	New Schedule	Actual Completion
Environmental Identification Memorandum (EIM) Submittal	November 19, 2020	-	-
Technical Memoranda Complete	November 19, 2020	-	-
Final Scoping Document – 30% Scoping Plan Submittal	November 19, 2020	-	-
Scoping Approved	January 22, 2021	-	-

- Tasks Due this month/next month
  - Candidate Alternatives Submittal
  - Approve Candidate Alternatives
  - Prepare for Public Meeting
- Tasks Completed this month/last month
  - Third candidate alternative selected

5. **Survey (MCDOT/B&N)**
   No update.

6. **Roadway (B&N)**
   Meeting attendees reviewed the proposed evaluation criteria including descriptors for each criterion. The proposed modifications are reflected in the attached evaluation criteria document. In correspondence after the meeting between members of the executive committee, the Land Use Impact category was eliminated.

   Project Partners requested that the right-of-way needed for future bus bays on the far side of every leg of the 103rd Avenue and 107th Avenue intersections be identified for all alternatives.

7. **Drainage (J2)**
   No update.

8. **Traffic (B&N)**
   No update.

9. **Environmental (AZTEC)**
   No update.

10. **Utilities (TY Lin)**
    No update.

11. Structures (TY Lin)

No update.

12. Geotechnical / Pavement Design (B&N)

No update.

13. Public and Stakeholder Involvement (Central Creative)

Jason Pagnard, Burgess & Niple, noted that coordination for the meeting regarding public involvement is underway.

14. Right-of-Way (B&N)

No update.

15. Landscaping (J2)

No update.

16. Summary | Miscellaneous Items

None.

17. Next Meeting

The next progress meeting will be held on January 30, 2020, 9:30 a.m.

(TT0600/TRACS No. T0188 01L)
Northern Parkway: Agua Fria River to 99th Avenue
Draft Evaluation Criteria

EVALUATION CRITERIA	DESCRIPTION
Access Management	-modifications to existing access points -ability to accommodate future access points -conform with local access management policies -access changes to neighborhood travel -ability to cross Northern Avenue
Bicycle/Pedestrian Accommodation	-construction of new facilities -connectivity to existing networks -maintaining/upgrading existing facilities -ability to support Peoria shade initiative ~~-ability to connect to future transit~~ -ability to cross Northern Avenue
~~**Compatibility with Previous IGAs/Agreements**~~	~~-compatibility with prior agreements~~ ~~-local agency acceptance~~
Constructability	-anticipated ease of construction -evaluation of independent utility and phasability -future expansion ~~-schedule impacts for acquiring permits and easements~~
Construction Traffic Control	-anticipated construction LOS -viability of alternative routes/detours -ability to accommodate commercial and special event traffic
Drainage	-extent of drainage impacts~~/right-of-way needs for basins~~ -maintaining/upgrading existing facilities
Environmental Impacts	-environmental resources impacted -level of analysis ~~-schedule impacts for acquiring permits~~
Geometry	-location of horizontal alignment -design of vertical alignment -adherence to design criteria -necessity of design exceptions
~~**Land Use Impacts**~~	~~-anticipated changes to existing/planned land use~~ ~~-ability to accommodate existing/planned land use~~ ~~-ability to accommodate general plan land use~~
Project Costs	-design -construction -right-of-way -utility -maintenance ~~-conformity with available funds~~
Public Acceptance	-public feedback of proposed improvements
Regional and Local Travel	-accommodation of regional transportation needs -accommodation of local transportation needs
Right-of-Way	-type/quantity of right-of-way impacts
Safety	-crash mitigation
Serves Existing Activity Centers	-accommodates travel to/from activity centers, including alternative modes of transportation

red and strike-through: Partners eliminated
green: Partners added

(TT0600/TRACS No. T0188 01L)
Northern Parkway: Agua Fria River to 99th Avenue
Draft Evaluation Criteria

EVALUATION CRITERIA	DESCRIPTION
~~**Structure Improvements**~~	~~-impacts to existing structures~~ ~~-type/quantity of new structures~~ ~~-flood/drainage impacts~~ ~~-bicycle/pedestrian impacts~~
Traffic Operations	-LOS in design year -latent capacity in design year
Transit Accommodation	-ability to accommodate potential transit facilities
Utility Impacts	-type/quantity of utility impacts -ability to accommodate utility relocations
~~**Design Criteria Exceptions**~~	~~-type/quantity of design exceptions~~
Project Schedule	-ability to meet program funding deadlines
~~**Maintenance**~~	~~-ease to maintain facility~~ ~~-cost to maintain facility~~

red and strike-through: Partners eliminated
green: Partners added

TT0600/T0188 01L Northern Parkway
Agua Fria River to 99th Avenue

PROGRESS MEETING 6 SIGN IN
12/17/2019

Contract No: 2018-036

Project No: TT0600

Initials	Name	Company/Section	Address with Zip Code	Phone	email
B.M.	Ben Markert	MCDOT PM	2901 West Durango Street Phoenix, AZ 85009	602-506-8651	ben.markert@maricopa.gov
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JC	Jimmy Camp	MCDOT Structures	2901 West Durango Street Phoenix, AZ 85009	602-506-4880	jimmy.camp@maricopa.gov
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MPK	Marinela Papa Konomi	MCDOT Environmental	2901 West Durango Street Phoenix, AZ 85009	602-506-3994	marinela.papa.konomi@maricopa.gov
	David Fritz	MCDOT Roadway and Drainage	2901 West Durango Street Phoenix, AZ 85009	602-506-2826	david.fritz@maricopa.gov
AJ	Amy Jones	MCDOT Engineering	2901 West Durango Street Phoenix, AZ 85009	602-506-8115	amy.jones@maricopa.gov
	Michael Vespucci	MCDOT	2901 West Durango Street Phoenix, AZ 85009		michael.vespucci@maricopa.gov
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	Pat Mertz	MCRED	2801 West Durango Street Phoenix, AZ 85009	602-506-4639	pat.mertz@maricopa.gov

TT0600/T0188 01L Northern Parkway
Agua Fria River to 99th Avenue

PROGRESS MEETING 6 SIGN IN
12/17/2019

Contract No: 2018-036

Project No: TT0600

Initials	Name	Company/Section	Address with Zip Code	Phone	email
	Mike Duncan	FCDMC	2801 West Durango Street Phoenix, AZ 85009	602-506-4732	mike.duncan@maricopa.gov
	Eric Prosnier	ADOT Project Management	205 S 17th Avenue, MD 614E Phoenix, AZ 85007	602-712-8495	EProsnier@azdot.gov
CBZ	Chris Lemka	City of Peoria	9875 N 85th Avenue Peoria, AZ 85345	623-773-7260	chris.lemka@peoriaaz.gov
	Daniel Kiel	City of Peoria	9875 N 85th Avenue Peoria, AZ 85345		Daniel.Kiel@peoriaaz.gov
	Lisa Rodriguez	City of Peoria	9875 N 85th Avenue Peoria, AZ 85345		lisa.rodriguez@peoriaaz.gov
	Purab Adabala	City of Glendale	6210 W Myrtle Avenue, Suite 112 Glendale, AZ 85301	623-930-2926	padabala@glendaleaz.com
	Seth Chalmers	Dibble Engineering/ City of Glendale	7878 North 16th Street Suite 300 Phoenix, AZ 85020	602-363-1854	seth.chalmers@dibblecorp.com
	Bryce Christo	City of El Mirage	10000 North El Mirage Road El Mirage, AZ 85335	623-876-2974	bchristo@elmirageaz.gov
	John Bullen	MAG	302 North 1st Avenue, Suite 300 Phoenix, AZ 85003	602-254-6300	jbullen@azmag.gov
	Quinn Castro	MAG	302 North 1st Avenue, Suite 300 Phoenix, AZ 85003	602-254-6300	qcastro@azmag.gov
KM	Kristin Myers	MAG	302 North 1st Avenue, Suite 300 Phoenix, AZ 85003	602-452-5094	kmyers@azmag.gov
JP	Jason Pagnard	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	602-244-8100 x5332	jason.pagnard@burgessniple.com
DL	David Lenzer	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	602-244-8100 x1502	david.lenzer@burgessniple.com
CA	Cynthia Alvarez	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	602-244-8100 x5320	cynthia.alvarez@burgessniple.com
	Evan Carbonneau	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	602-244-8100 x5309	evan.carbonnneau@burgessniple.com
	Rebecca Lengua	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	602-244-8100 x5337	rebecca.lengua@burgessniple.com
	Kristin Darr	Central Creative	24 W Camelback Rd #A-479 Phoenix, AZ 85013	602-368-9644	kristin@centralcreativeaz.com
JH	Justin Hoppmann	AZTEC Engineering	4561 E. McDowell Road Phoenix, AZ 85008	602-458-9261	jhoppmann@aztec.us
	Galen Drake	J2 Engineering	4649 E Cotton Gin Loop Ste B2 Phoenix, AZ 85040	602-438-2221	gdrake@j2design.us
	Dave Bruggeman	Lee Engineering	3610 N 44th St, Ste 100 Phoenix, AZ 85018	602-955-7206	dbruggeman@lee-eng.com

TT0600/T0188 01L Northern Parkway
Agua Fria River to 99th Avenue

PROGRESS MEETING 6 SIGN IN
12/17/2019

Contract No: 2018-036

Project No: TT0600

Initials	Name	Company/Section	Address with Zip Code	Phone	email
JB	James Barr	TY Lin International	60 E Rio Salado Parkway Ste 501 Tempe, AZ 85281	480-333-4405	James.Barr@tylin.com
	Brenan Poe	TY Lin International	60 E Rio Salado Parkway Ste 501 Tempe, AZ 85281	480-333-4168	brenan.poe@tylin.com
	Kooi-Lim Hoe	TY Lin International	60 E Rio Salado Parkway Ste 501 Tempe, AZ 85281	480-333-4160	Kooi-lim.hoe@tylin.com
	James Phillips	JL	4644 E Cotton Gin Loop Ste B2 Phx AZ 85040	602-438-2221	jphillips@jl-designgroup.com

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Northern Parkway
Agua Fria River to 99th Avenue
Project No. TT0600/TRACS No. T0188 01L

Progress Meeting 6 Agenda

Date of Meeting: December 17, 2019 – 9:00 a.m.

Meeting Location: Maricopa and Cochise Conference Rooms

From: Ben Markert, MCDOT

Attendees: **Please sign the sign-in sheet**

1. **Welcome | Introductions**

2. **Review Action Items**
   - Action Items Review:

No.	Action Item	Responsible	Due Date	Completed	Status/Comments
20	Coordinate with City of Peoria for Basin Agreement	B&N	December 13, 2019		Coordination underway
21	Schedule Structures Technical Meeting	TYLIN	December 13, 2019		Meeting coordination underway
22	Schedule Landscaping and Aesthetics Meeting	J2	December 13, 2019		Meeting coordination underway
23	Schedule PI Meeting	CC	December 13, 2019		Meeting coordination underway

3. **Decisions**
   - The following was advanced as the third Candidate Alternative:
     - Modified CSRA Typical Section with 3/4 Access at unsignalized locations

4. Schedule

Milestone	Original Schedule	New Schedule	Actual Completion
Land Survey Complete	January 22, 2019	-	January 22, 2019
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Scoping Approved	January 22, 2021	-	-

- ❑ Tasks Due this month/next month
  - Candidate Alternatives
- ❑ Tasks Completed this month/last month
  - Third candidate alternative selected

5. **Survey (MCDOT/B&N)**
    - ❑ General Update

6. **Roadway (B&N)**
    - ❑ Review Evaluation Criteria
    - ❑ Discuss Candidate Alternatives
    - ❑ Country Meadows Condominiums Access
    - ❑ Unsignalized Access

7. **Drainage (J2)**
    - ❑ General Update

8. **Traffic (B&N)**
    - ❑ General Update
    - ❑ Developer Update

9. **Environmental (AZTEC)**
    - ❑ General Update

10. **Utilities (TY Lin)**
    - ❑ General Update

11. Structures (TY Lin)

- ❑ General Update

12. Geotechnical / Pavement Design (B&N)

- ❑ General Update

13. Public and Stakeholder Involvement (Central Creative)

- ❑ General Update

14. Right-of-Way (B&N)

- ❑ General Update

15. Aesthetics/Landscaping (J2)

- ❑ General Update

16. Summary | Miscellaneous Items

- ❑ None

17. Adjourn | Next Meeting

- ❑ Progress Meeting – TBD

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Northern Parkway
Agua Fria River to 99th Avenue
Project No. TT0600/TRACS No. T0188 01L

Structures and Aesthetics Meeting Summary

Distribution Date: January 15, 2020

Date of Meeting: January 8, 2020 – 1:30 p.m.

Meeting Location: Maricopa Conference Room

From: Ben Markert, MCDOT

Attendees: **See attached sign-in sheet**

The following meeting notes for the Northern Parkway, Agua Fria River to 99th Avenue, project are for your information, use, and distribution. Please contact Ben Markert at (602) 506-8651 if you have comments or questions. The team list/sign-in sheet is also included following the notes. If there is any missing information or additions to the notes, please let me know. Thank you to everyone who participated in the meeting.

NOTES

1. **Welcome | Introductions**
   Team members were welcomed to the Northern Parkway, Agua Fria River to 99th Avenue, Structures and Aesthetics Meeting. Meeting handouts included: 1) Sign-in sheet, 2) Agenda, and 3) Structures draft concept.

2. **Structures**
   The Flood Control District of Maricopa County will be contacted to determine soil height within the project area for the outer barrier.

   A request was made to place a single slope barrier in front of or integral to the barrier. Approval was given to design a raised median with decorative treatment. Drainage should be implemented along the median curb.

   The bridge should be supported by two columns and its design speed should be lowered to 55 mph.

3. **Aesthetics**
   Attendees were informed that the city of Peoria will maintain all lighting on the bridge.

   J2 will provide initial design concepts for the bridge. Examples will also be found with potential design features to provide to the public in order to gauge approval.

Entry monumentation for the cities of Peoria and Glendale should be developed for the area near 112th Avenue.

Walls must be at least 8 feet above the curb line according to city of Peoria design standards. A question was raised regarding the protection of the walls.

The surrounding roadway and communities should be studied for consistency of aesthetic design. A potential source of inspiration is the nearby Park West area at 98th Avenue and Northern Avenue.

4. <u>Next Steps</u>

Charles Andrews, City of Peoria, should be contacted regarding the City's Shade Initiative which addresses "thermal comfort" in Peoria through vegetation and structures. This initiative should also be considered as design proceeds. Purab Adabala, City of Glendale, stated that Glendale may match these efforts depending on the complexity of the implemented features as part of the initiative.

Chris Lemka, City of Peoria, noted that the curb on the south side of the corridor is the delineator between jurisdictional operation and maintenance responsibilities. An intergovernmental agreement will be needed to revise limits.

A question was raised whether walls are part of the project scope. This will be determined prior to the Public Meeting.

TT0600/T0188 01L Northern Parkway
Agua Fria River to 99th Avenue

STRUCTURES AND AESTHETICS MEETING
1/8/2020

Contract No: 2018-036

Project No: TT0600

Initials	Name	Company/Section	Address with Zip Code	Phone	email
BM	Ben Markert	MCDOT PM	2901 West Durango Street Phoenix, AZ 85009	602-506-8651	ben.markert@maricopa.gov
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CBL	Chris Lemka	City of Peoria	9875 N 85th Avenue Peoria, AZ 85345	623-773-7260	chris.lemka@peoriaaz.gov
AL	Adina Lund	City of Peoria	9875 N 85th Avenue Peoria, AZ 85345	623-773-7212	adina.lund@peoriaaz.gov
PKA	Purab Adabala	City of Glendale	6210 W Myrtle Avenue, Suite 112 Glendale, AZ 85301	623-930-2926	padabala@glendaleaz.com
JP	Jason Pagnard	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	602-244-8100 x5332	jason.pagnard@burgessniple.com
DL	David Lenzer	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	602-244-8100 x1502	david.lenzer@burgessniple.com
	Cynthia Alvarez	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	602-244-8100 x5320	cynthia.alvarez@burgessniple.com
	Galen Drake	J2 Engineering	4649 E Cotton Gin Loop Ste B2 Phoenix, AZ 85040	602-438-2221	gdrake@j2design.us
	Eric Nichols	J2 Engineering	4649 E Cotton Gin Loop Ste B2 Phoenix, AZ 85040	602-438-2221	enichols@j2design.us
ATH	Adam Hawkins	J2 Engineering	4649 E Cotton Gin Loop Ste B2 Phoenix, AZ 85040	602-438-2221	ahawkins@j2design.us
	Brenan Poe	TY Lin International	60 E Rio Salado Parkway Ste 501 Tempe, AZ 85281	480-333-4168	brenan.poe@tylin.com
JB	James Barr	TY Lin International	60 E Rio Salado Parkway Ste 501 Tempe, AZ 85281	480-333-4405	James.Barr@tylin.com
KLH	Kooi-Lim Hoe	TY Lin International	60 E Rio Salado Parkway Ste 501 Tempe, AZ 85281	480-333-4160	Kooi-lim.hoe@tylin.com
	Jim Pyne	TY Lin International	60 E Rio Salado Parkway Ste 501 Tempe, AZ 85281	480-968-8814	jim.pyne@tylin.com

Maricopa County
Department of Transportation

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Northern Parkway
Agua Fria River to 99th Avenue
Project No. TT0600/TRACS No. T0188 01L

Structures and Aesthetics Meeting Agenda

Date of Meeting: January 8, 2020 – 1:30 p.m.

Meeting Location: Maricopa Conference Room

From: Ben Markert, MCDOT

Attendees: **Please sign the sign-in sheet**

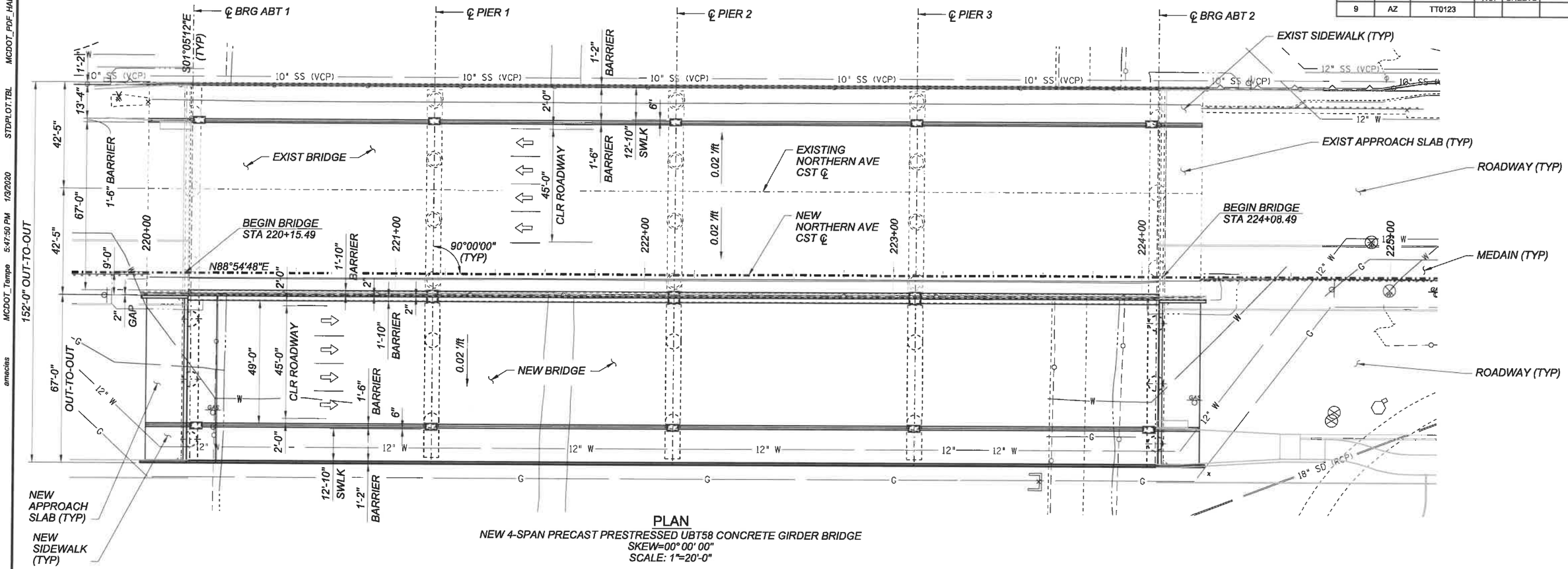
1. **Welcome | Introductions**

2. **Structures**

3. **Aesthetics**

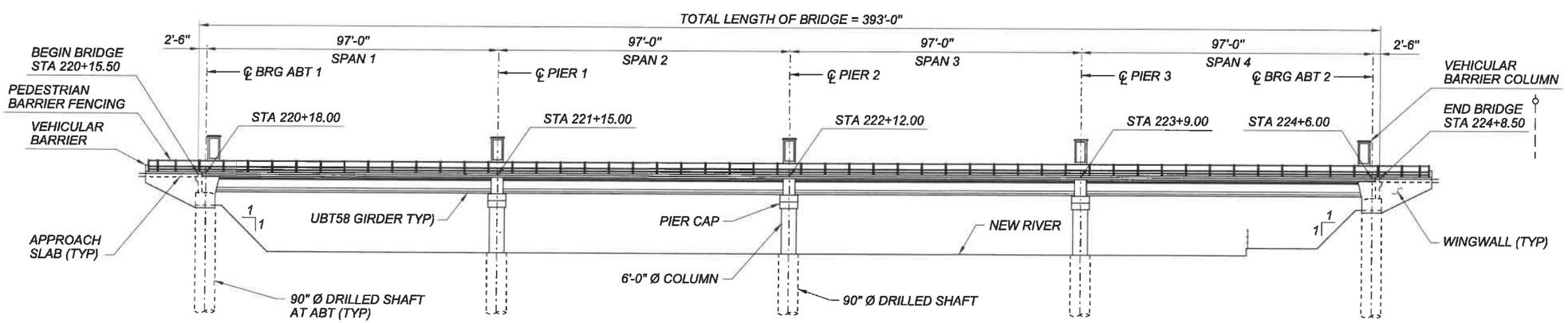
4. **Next Steps**

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	AZ	TT0123			



PLAN

NEW 4-SPAN PRECAST PRESTRESSED UBT58 CONCRETE GIRDER BRIDGE
SKEW=00° 00' 00"
SCALE: 1"=20'-0"



ELEVATION

STATIONS AND DIMENSIONS MEASURED ALONG CST ℄
SCALE: 1"=20'-0"

Contact Arizona 811 Two Working Days Before You Dig
ARIZONA811
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NO.	REVISION	BY	DATE
3			
2			
1			

MARICOPA COUNTY
DEPARTMENT OF TRANSPORTATION

NORTHERN PARKWAY
AGUA FRIA RIVER TO 99TH AVENUE
PROJECT NO. TT0600

PRELIMINARY NOT FOR CONSTRUCTION

	BY	DATE
DESIGNED	LJ	01/20
DRAWN	JJD/AJM	01/20
CHECKED	KLH	01/20

T·Y·LIN INTERNATIONAL
engineers| planners| scientists

PLAN & ELEVATION

SHEET
DF

TRACS NO.

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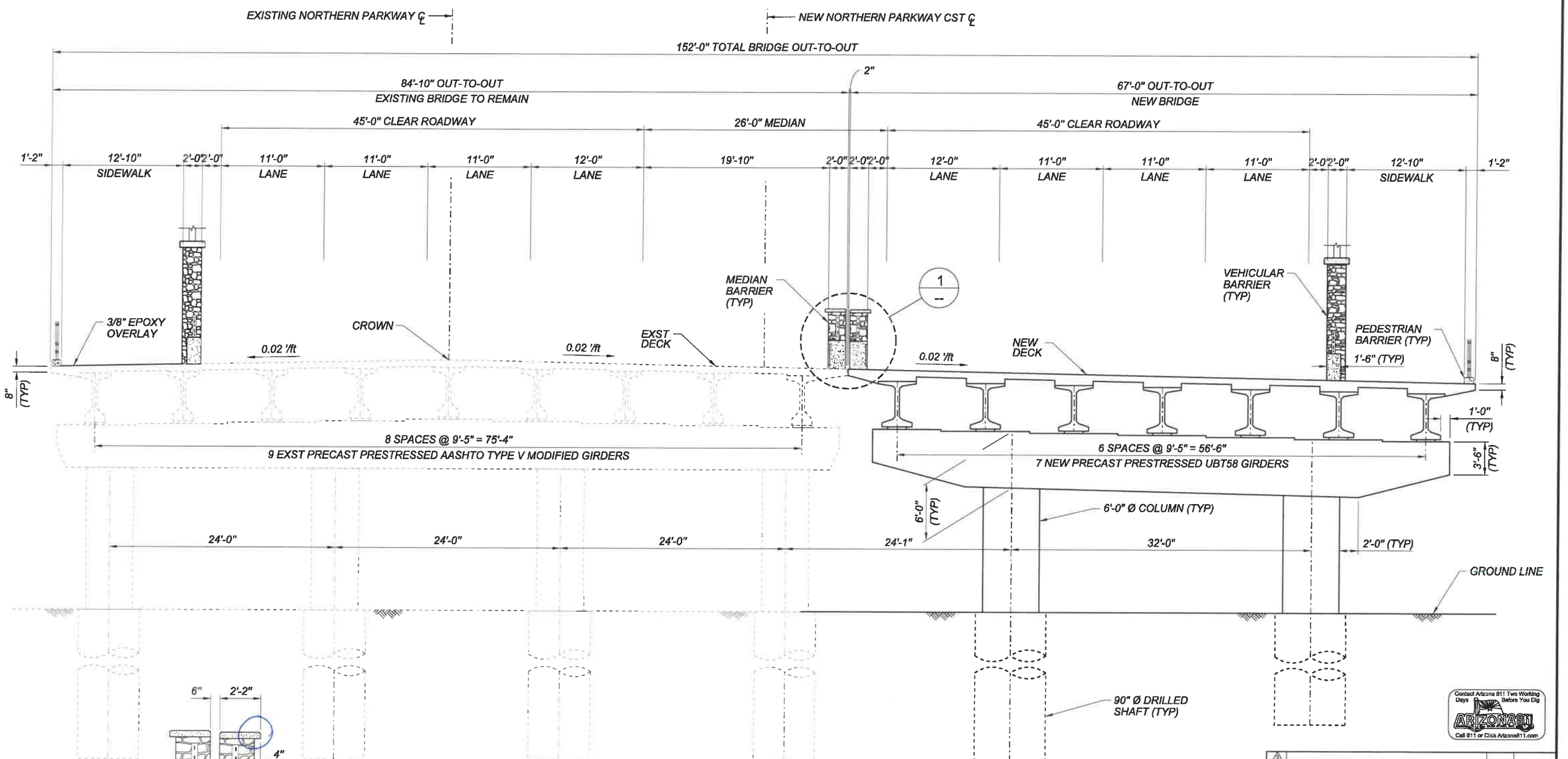
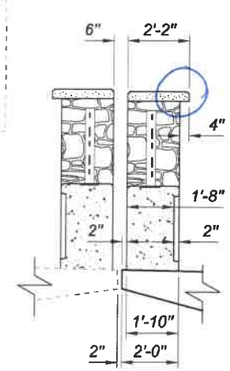
amacias
c:\bnpw\anthony.macias@tylin.com\dms39641\TT600_BD_GP.dgn

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	AZ	TT0123			



TYPICAL SECTION
SCALE: 3/16"=1'-0"



1 -- MEDIAN BARRIER DETAIL
SCALE: 3/8"=1'-0"

NO.	REVISION	BY	DATE
3			
2			
1			

MARICOPA COUNTY
DEPARTMENT OF TRANSPORTATION

NORTHERN PARKWAY
AGUA FRIA RIVER TO 99TH AVENUE
PROJECT NO. TT0600

PRELIMINARY NOT FOR CONSTRUCTION

	BY	DATE
DESIGNED	LJ	01/20
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T·Y·LIN INTERNATIONAL
engineers| planners| scientists

TYPICAL SECTION

SHEET DF

TRACS NO.

Contact Arizona 811 Two Working Days Before You Dig
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JDOOLEY MCDOT_Standard 5:16:48 PM 1/3/2020 /TYLI_PLTDRV/STD/MCDOT_PDF_HALF.pltf

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Maricopa County
Department of Transportation

2901 W. Durango Street
Phoenix, AZ 85009
Phone: 602-506-8600
Fax: 602-506-4750
www.mcdot.maricopa.gov

Northern Parkway
Agua Fria River to 99th Avenue
Project No. TT0600/TRACS No. T0188 01L

Progress Meeting 7 Summary

Distribution Date: February 7, 2020

Date of Meeting: January 30, 2020 – 9:30 a.m.

Meeting Location: Maricopa and Cochise Conference Rooms

From: Ben Markert, MCDOT

Attendees: **See attached sign-in sheet**

The following meeting notes for the Northern Parkway, Agua Fria River to 99th Avenue, project are for your information, use, and distribution. Please contact Ben Markert at (602) 506-8651 if you have comments or questions. The team list/sign-in sheet is also included following the notes. If there is any missing information or additions to the notes, please let me know. Thank you to everyone who participated in the meeting.

ACTION ITEMS

No.	Action Item	Responsible	Due Date	Completed	Status/Comments
20	Coordinate with City of Peoria for Basin Agreement	B&N	2/28/20		Coordination underway
24	Collect Program Budget Information	B&N/MCDOT	2/6/20	1/30/20	
25	Select Preferred Alternative	Project Partners	2/7/20		
26	Update noise analysis	AZTEC	TBD		Waiting selection of the Preferred Alternative

DECISIONS

- None

NOTES

1. **Welcome | Introductions**
   Team members were welcomed to the Northern Parkway, Agua Fria River to 99th Avenue, Progress Meeting 7. Meeting handouts included: 1) Sign-in sheet, and 2) Agenda.

2. **Review Action Items**
   Action items were reviewed – updates, changes, and additions are as noted in the Action Items section.

3. **Review Decisions**
   Decisions made during Progress Meeting 6 were reviewed.

4. **Schedule**
   The project schedule was reviewed. The upcoming milestones include approval of the Candidate Alternatives and Public Hearing in February.

   The following is the anticipated schedule based on the available information:

Milestone	Original Schedule	New Schedule	Actual Completion
Land Survey Complete	January 22, 2019	-	January 22, 2019
Consultant NTP	January 24, 2019	-	January 24, 2019
Design Criteria Approved	March 29, 2019	October 17, 2019	-
Conceptual Alternatives	August 30, 2019	-	August 30, 2019
Conceptual Alternatives Approved	September 20, 2019	-	September 23, 2019
Public Hearing	February 27, 2020	February 25, 2020	-
IGA Completed	TBD	-	-
Candidate Alternatives	January 17, 2020	-	January 17, 2020
Candidate Alternatives Approved	February 7, 2020	-	-
Recommended Alternative Selected	April 2, 2020	-	-
Prior Rights Information Obtained	August 21, 2020	-	-
Draft SDR and Scoping Plan Submittal	August 21, 2020	-	-
Right-of-Way Identified	November 19, 2020	-	-
Environmental Identification Memorandum (EIM) Submittal	November 19, 2020	-	-

Milestone	Original Schedule	New Schedule	Actual Completion
Technical Memoranda Complete	November 19, 2020	-	-
Final Scoping Document – 30% Scoping Plan Submittal	November 19, 2020	-	-
Scoping Approved	January 22, 2021	-	-

- Tasks Due this month/next month
  - Approval of Candidate Alternatives – February 7, 2020
  - Public Hearing – February 25, 2020
- Tasks Completed this month/last month
  - Candidate Alternatives – January 17, 2020

5. **Survey (MCDOT/B&N)**
   Survey of the north-south power lines near 111th Avenue during the Summer of 2020 was requested to determine sag of lines. David Lenzer, Burgess & Niple, will coordinate with John Ashley.

6. **Roadway (B&N)**
   Jason Pagnard, Burgess & Niple, began the discussion by highlighting the differences between the three candidate alternatives. The main distinction between Candidate Alternatives 1 and 2 is the access to Country Meadows II Condominiums and Country Meadows Estates. Alternative 1 includes the extension of Augusta Avenue and Royal Palm Road between 108th Avenue to 107th Avenue which requires total takes of up to 8 condominiums and 1 home, respectively. Access in Alternative 2 is provided by U-turns at 111th Avenue and 107th Avenue and does not include any residential total takes. It was noted that all proposed side streets presented in Candidate Alternative 1 were included in the DCR (after the progress meeting, Ben Markert clarified that the DCR does include all of the proposed side roads, including Orangewood Avenue).

   Alternative 3 features a wide median which can accommodate a future 8-lane section and a wider median for landscaping. The alternative also requires relocation of the EPNG valve and inspection station at the northeast corner of Northern Avenue and 109th Avenue (further detail on the EPNG valve relocation is included in the Utilities section of this meeting summary) and the Peoria lift station west of 112th Avenue. Alternative 3 only includes Royal Palm Road from 112th Avenue to 111th Avenue and Orangewood Avenue.

   The costs for Alternative 1 and 2 are approximately $58 million and $55 million, respectively. The higher cost in Alternative 1 is due to the right-of-way acquisition of 9 residential parcels due to the additional side streets. The total cost for Alternative 3 is approximately $66 million. The increased cost for this alternative compared to

Alternative 1 and 2 is due to the relocation of EPNG valve and inspection station and increased right-of-way costs due to the wide median. Additionally, all alternatives saw an increase in cost due to increasing the Construction Management from 5 percent to 15 percent and additional utility information.

Chris Lemka, city of Peoria, indicated that Candidate Alternative 3 may be of interest to the City due to the wide median which allows for landscaping and the potential for future lane additions. Mr. Lemka indicated communication with councilmembers would be necessary to determine which alternative would be preferred by the city of Peoria.

Meeting attendees voiced concerns with the total cost for Alternative 3. The Northern Parkway Program budget will be investigated to determine if the cost is feasible. Burgess & Niple will provide Nicolaas Swart, MCDOT, the candidate alternative stage cost estimates to discuss with Chuck Williams, MCDOT.

7. **Drainage (J2)**
   No update.

8. **Traffic (B&N)**
   No update.

9. **Environmental (AZTEC)**
   Preliminary noise analysis using the MCDOT Noise Abatement Policy was completed for Alternatives 1 and 2. Based on this analysis, noise walls would not be recommended because the cost/benefit threshold per receptor was not met. Marinela Papa Konomi, MCDOT, indicated that the ADOT Noise Abatement standards shall be used on this project.

   A new preliminary analysis will be completed using the ADOT Policy and an estimate for 8-foot noise walls be provided. Mr. Lemka noted that the Peoria standard for privacy walls is 8 feet. Concerns identified with constructing noise walls include the location of and proximity to existing privacy walls. A consideration should also be made for intersection sight distance with the addition of noise/privacy walls. The preliminary noise analysis will not be presented to the public at the meeting on February 25th as it is only preliminary at this stage.

10. **Planning / ADA Compliance**
    No update.

11. **Utilities (TY Lin/ EPNG)**
    Steve Weatherhead, EPNG, provided details on the feasibility of relocating their valve and inspection station. The gas line extends north-south and east from the station. When the line needs to be cleaned, there is a high pitch noise which lasts between 2 to

6 hours. Utilizing the station occurs when needed as dictated by servicing their customers which include the Agua Fria Generating station near 75th Avenue. Mr. Weatherhead indicated that the servicing of the line does not occur at regular intervals.

The relocation to the south is more cost effective than moving the station east to the vacant parcel at 107th Avenue and Northern Avenue. The site shape is flexible but cannot be divided into a north-south line station and an east line station. The station would include a 12-foot to 14-foot entry gate and walls to reduce the sound when cleaning. The relocation of the station is estimated to take 2 years including design and construction.

A potential solution of making the station subterranean was suggested, which will be investigated by EPNG to determine if feasible.

12. Structures (TY Lin)
No update.

13. Geotechnical / Pavement Design (B&N)
No update.

14. Public and Stakeholder Involvement (Central Creative)
Mr. Pagnard noted that public meeting materials are being prepared. The materials will have a similar presentation as MCDOT Project TT0573 Northern Parkway, Loop 101 to Grand Avenue.

Concerns were noted regarding the presentation of Candidate Alternative 3 at the public meeting. It was noted that if the alternative has potential to become the preferred alternative it should be presented to the public. Project Partners will discuss at the Executive Committee Meeting and determine whether to include Alternative 3 at the public meeting by February 7th.

15. Right-of-Way (B&N)
No update.

16. Aesthetics/Landscaping (J2)
Aesthetics for the bridge along Northern Avenue over New River were highlighted as being an area of interest. A cost/linear foot of the landscaping and aesthetics for the Happy Valley, Peoria project EN00463, bridge over the Agua Fria River was requested in order to estimate landscaping costs for the Northern Avenue bridge over New River. Mr. Lenzer stated that a line-item for aesthetics on the structure are included in the Candidate Alternative cost estimates.

17. Summary | Miscellaneous Items

None.

18. Next Meeting

The next progress meeting has yet to be scheduled.

TT0600/T0188 01L Northern Parkway
Agua Fria River to 99th Avenue

PROGRESS MEETING 7 SIGN IN
1/30/2020

Contract No: 2018-036

Project No: TT0600

Initials	Name	Company/Section	Address with Zip Code	Phone	email
B.M.	Ben Markert	MCDOT PM	2901 West Durango Street Phoenix, AZ 85009	602-506-8651	ben.markert@maricopa.gov
	Nicolaas Swart	MCDOT Transportation Systems Division Manager	2901 West Durango Street Phoenix, AZ 85009	602-506-0599	nicolaas.swart@maricopa.gov
	Randy Dunsey	MCDOT Project Management	2901 West Durango Street Phoenix, AZ 85009	602-506-2166	randy.dunsey@maricopa.gov
	Denise Lacey	MCDOT Systems Planning	2901 West Durango Street Phoenix, AZ 85009	602-506-6172	denise.lacey@maricopa.gov
	Angela Horn	MCDOT Systems Planning	2901 West Durango Street Phoenix, AZ 85009	602-506-4176	angela.horn@maricopa.gov
	Traci Ruth	MCDOT Communications and Outreach Manager	2901 West Durango Street Phoenix, AZ 85009	602-506-8628	traci.ruth@maricopa.gov
	Kimberly Katchur	MCDOT Communications	2901 West Durango Street Phoenix, AZ 85009	602-506-4051	kimberly.katchur@maricopa.gov
	Chad Amos	MCDOT Communications	2901 West Durango Street Phoenix, AZ 85009	602-506-8054	chad.amos@maricopa.gov
JC	Jimmy Camp	MCDOT Structures	2901 West Durango Street Phoenix, AZ 85009	602-506-4880	jimmy.camp@maricopa.gov
	Kelly Roy	MCDOT Utilities	2901 West Durango Street Phoenix, AZ 85009	602-506-8603	kelly.roy@maricopa.gov
J.S.	John Shi	MCDOT Materials	2901 West Durango Street Phoenix, AZ 85009	602-506-8658	john.shi@maricopa.gov
KR	Kimberly Richards	MCDOT Intergovernmental	2901 West Durango Street Phoenix, AZ 85009	602-506-1630	kimberly.richards@maricopa.gov
	Chad Ashe	MCDOT Intergovernmental	2901 West Durango Street Phoenix, AZ 85009	602-506-8674	chad.ashe@maricopa.gov
MPK	Marinela Papa Konomi	MCDOT Environmental	2901 West Durango Street Phoenix, AZ 85009	602-506-3994	marinela.papa.konomi@maricopa.gov
	David Fritz	MCDOT Roadway and Drainage	2901 West Durango Street Phoenix, AZ 85009	602-506-2826	david.fritz@maricopa.gov
	Amy Jones	MCDOT Engineering	2901 West Durango Street Phoenix, AZ 85009	602-506-8115	amy.jones@maricopa.gov
	Michael Vespucci	MCDOT	2901 West Durango Street Phoenix, AZ 85009		michael.vespucci@maricopa.gov
	Brent Scott	MCDOT	2902 West Durango Street Phoenix, AZ 85009		brent.scott@maricopa.gov
	Tangella Diaz	MCRED	2801 West Durango Street Phoenix, AZ 85009	602-506-4883	tangella.diaz@maricopa.gov
	Pat Mertz	MCRED	2801 West Durango Street Phoenix, AZ 85009	602-506-4639	pat.mertz@maricopa.gov

TT0600/T0188 01L Northern Parkway
Agua Fria River to 99th Avenue

PROGRESS MEETING 7 SIGN IN
1/30/2020

Contract No: 2018-036 **Project No: TT0600**

Initials	Name	Company/Section	Address with Zip Code	Phone	email
	Mike Duncan	FCDMC	2801 West Durango Street Phoenix, AZ 85009	602-506-4732	mike.duncan@maricopa.gov
	Eric Prosnier	ADOT Project Management	205 S 17th Avenue, MD 614E Phoenix, AZ 85007	602-712-8495	EProsnier@azdot.gov
CBL	Chris Lemka	City of Peoria	9875 N 85th Avenue Peoria, AZ 85345	623-773-7260	chris.lemka@peoriaaz.gov
	Daniel Kiel	City of Peoria	9875 N 85th Avenue Peoria, AZ 85345		Daniel.Kiel@peoriaaz.gov
	Lisa Rodriguez	City of Peoria	9875 N 85th Avenue Peoria, AZ 85345		lisa.rodriguez@peoriaaz.gov
SC	Seth Chalmers	Dibble Engineering/ City of Glendale	7878 North 16th Street Suite 300 Phoenix, AZ 85020	602-363-1854	seth.chalmers@dibblecorp.com
	Bryce Christo	City of El Mirage	10000 North El Mirage Road El Mirage, AZ 85335	623-876-2974	bchristo@elmirageaz.gov
	John Bullen	MAG	302 North 1st Avenue, Suite 300 Phoenix, AZ 85003	602-254-6300	jbullen@azmag.gov
	Quinn Castro	MAG	302 North 1st Avenue, Suite 300 Phoenix, AZ 85003	602-254-6300	qcastro@azmag.gov
	Kristin Myers	MAG	302 North 1st Avenue, Suite 300 Phoenix, AZ 85003	602-452-5094	kmyers@azmag.gov
JS	Jason Pagnard	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	602-244-8100 x5332	jason.pagnard@burgessniple.com
DL	David Lenzer	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	602-244-8100 x1502	david.lenzer@burgessniple.com
CA	Cynthia Alvarez	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	602-244-8100 x5320	cynthia.alvarez@burgessniple.com
	Evan Carbonneau	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	602-244-8100 x5309	evan.carbonnneau@burgessniple.com
	Rebecca Lengua	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	602-244-8100 x5337	rebecca.lengua@burgessniple.com
	Kristin Darr	Central Creative	24 W Camelback Rd #A-479 Phoenix, AZ 85013	602-368-9644	kristin@centralcreativeaz.com
JH	Justin Hoppmann	AZTEC Engineering	4561 E. McDowell Road Phoenix, AZ 85008	602-458-9261	jhoppmann@aztec.us
	Galen Drake	J2 Engineering	4649 E Cotton Gin Loop Ste B2 Phoenix, AZ 85040	602-438-2221	gdrake@j2design.us
	Dave Bruggeman	Lee Engineering	3610 N 44th St, Ste 100 Phoenix, AZ 85018	602-955-7206	dbruggeman@lee-eng.com
	James Barr	TY Lin International	60 E Rio Salado Parkway Ste 501 Tempe, AZ 85281	480-333-4405	James.Barr@tylin.com

TT0600/T0188 01L Northern Parkway
Agua Fria River to 99th Avenue

PROGRESS MEETING 7 SIGN IN
1/30/2020

Contract No: 2018-036

Project No: TT0600

Initials	Name	Company/Section	Address with Zip Code	Phone	email
BP	Brenan Poe	TY Lin International	60 E Rio Salado Parkway Ste 501 Tempe, AZ 85281	480-333-4168	brenan.poe@tylin.com
	Kooi-Lim Hoe	TY Lin International	60 E Rio Salado Parkway Ste 501 Tempe, AZ 85281	480-333-4160	Kooi-lim.hoe@tylin.com
EI	Eileen Imbus	Burgess & Niple	1500 N Priest Dr Suite 102 Tempe, AZ 85281	602-244-8100 x5380	eileen.imbus@burgessniple.com
SW	Steve Weatherford	EPNG		520 504 3265	
TP	Tim Parke	EPNG		602-297-1500	
PKA	Purab Adabala				

Maricopa County
Department of Transportation

2901 W. Durango Street
Phoenix, AZ 85009
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Northern Parkway
Agua Fria River to 99th Avenue
Project No. TT0600/TRACS No. T0188 01L

Progress Meeting 7 Agenda

Date of Meeting: January 30, 2020 – 9:30 a.m.

Meeting Location: Maricopa and Cochise Conference Rooms

From: Ben Markert, MCDOT

Attendees: **Please sign the sign-in sheet**

1. **Welcome | Introductions**

2. **Review Action Items**
   - Action Items Review:

No.	Action Item	Responsible	Due Date	Completed	Status/Comments
20	Coordinate with City of Peoria for Basin Agreement	B&N	2/28/20		Coordination underway

3. **Decisions**
   - None.

4. Schedule

Milestone	Original Schedule	New Schedule	Actual Completion
Land Survey Complete	January 22, 2019	-	January 22, 2019
Consultant NTP	January 24, 2019	-	January 24, 2019
Design Criteria Approved	March 29, 2019	October 17, 2019	-
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Environmental Identification Memorandum (EIM) Submittal	November 19, 2020	-	-
Technical Memoranda Complete	November 19, 2020	-	-
Final Scoping Document – 30% Scoping Plan Submittal	November 19, 2020	-	-
Scoping Approved	January 22, 2021	-	-

- ❑ Tasks Due this month/next month
  - Approval of Candidate Alternatives – February 7, 2020
  - Public Meeting – February 25, 2020
- ❑ Tasks Completed this month/last month
  - Candidate Alternatives – January 17, 2020

5. **Survey (MCDOT/B&N)**
    - ❑ Survey Request for Powerlines during Summer 2020

6. **Roadway (B&N)**
    - ❑ Discuss Candidate Alternatives
        - ❑ Access Roads
    - ❑ Identify Preferred Alternative

7. **Drainage (J2)**
    - ❑ General Update

8. **Traffic (B&N)**
    - ❑ General Update

9. **Environmental (AZTEC)**
    - ❑ Preliminary Noise Analysis
    - ❑ General Update

10. **Planning / ADA Compliance**
    - ❑ General Update

11. **Utilities (TY Lin)**
    - ❑ EPNG Update
    - ❑ General Update

12. Structures (TY Lin)

- ❑ Discuss New River Bridge Alternatives

13. Geotechnical / Pavement Design (B&N)

- ❑ General Update

14. Public / Intergovernmental / Federal Involvement (Central Creative)

- ❑ Public Meeting Preparation

15. Right-of-Way (B&N)

- ❑ General Update

16. Aesthetics/Landscaping (J2)

- ❑ General Update

17. Summary | Miscellaneous Items

- ❑ None

18. Adjourn | Next Meeting

- ❑ Progress Meeting – TBD

Maricopa County
Department of Transportation

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Northern Parkway
Agua Fria River to 99th Avenue
Project No. TT0600/TRACS No. T0188 01L

Design Meeting Summary

Distribution Date: April 27, 2020

Date of Meeting: April 2, 2020 – 12:30 p.m.

Meeting Location: Virtual Conference

From: Ben Markert, MCDOT

Attendees: **See attached sign-in sheet**

The following meeting notes for the Northern Parkway, Agua Fria River to 99th Avenue, project are for your information, use, and distribution. Please contact Ben Markert at (602) 506-8651 if you have comments or questions. The team list/sign-in sheet is also included following the notes. If there is any missing information or additions to the notes, please let me know. Thank you to everyone who participated in the meeting.

ACTION ITEMS

No.	Action Item	Responsible	Due Date	Completed	Status/Comments
27	Evaluate right turn lane volumes	B&N	4/30/20		
28	Provide direction on inclusion of right turn pockets	City of Peoria	5/29/20		
29	Schedule Emergency Responders Meetings	B&N/City of Peoria	5/29/20		
30	Identify bike lane transition at New River	City of Peoria	4/16/20	4/2/20	Resolved at Progress Meeting 8
31	Complete additional traffic analysis for 115th Ave traffic signal and western lane transition	B&N	4/30/20		

No.	Action Item	Responsible	Due Date	Completed	Status/Comments
32	Determine privacy wall height for residences in unincorporated county land	MCDOT	8/1/20		

DECISIONS

- None

NOTES

1. **Welcome | Introductions**
   Team members were welcomed to the Northern Parkway, Agua Fria River to 99th Avenue, Design Meeting. Meeting handouts included an agenda. A sign-in form was provided in the meeting chat.

2. **Right turn pockets at unsignalized access points**
   The preferred alternative currently shows right turn pockets at unsignalized intersections where they currently exist. Right turn pockets are provided at signalized intersections. The table below identifies if the turn pockets currently exist and if the right turn pockets are to be included in the recommended alternative.

Cross Street	Direction	Existing	Recommended	Comments
112th Ave	WB	Y	Y	
110th Ave	WB	N	TBD	Traffic information to be provided
110th Ave	EB	Y	Y	10.5' wide lane; 4.5' wide sidewalk
109th Ave	WB	N	N	ROW constraint
109th Ave	EB	Y	Y	10.5' wide lane; 4.5' wide sidewalk
108th Ave	EB	N	N	Access closed to public
108th Dr	WB	N	N	ROW constraint
106th Ave	WB	N	TBD	Traffic information to be provided
104th Dr	WB	N	TBD	Traffic information to be provided

On the north side, westbound right turn pocket could be added at 110th Avenue but it would encroach on HOA property. Adina Lund, City of Peoria, indicated she would like to see traffic volumes to see if warranted. B&N will follow up. The addition of right turn

pockets at 109th Avenue and 108th Drive would impact the PIG Launcher and a private home respectively. Ms. Lund stated that these do not need to be included in the Recommended Alternative. Right turn pockets at 106th Avenue and 104th Avenue may be added but would require some modifications to curb returns in the existing design. The City of Peoria will follow up on direction for this.

On the south side, right turn pockets will be added at 110th Avenue and 109th Avenue per City of Glendale request. The right turn pocket will be 10.5 feet and the sidewalk will be 4.5 feet.

3. **Median Crossings**
   B&N will coordinate to meet with City of Glendale Police and Fire for emergency median crossing treatments and additional needs. City of Peoria will reach out to City Police and Fire.

4. **New River Bridge Bike Lane Transitions**
   Peoria will continue to consider the preference for the bike lane transition at the New River Bridge. This was resolved during Progress Meeting 8. The City directed that transitions only be included on the east side of the bridge.

5. **Privacy Walls**
   The privacy walls for residences along Northern Avenue and within Peoria shall conform to the Peoria standard height of 8'; the height of the privacy walls for residences along Northern Avenue and within unincorporated Maricopa County is to be determined. There are no residences along Northern Avenue and within Glendale at this time.

6. **Signalized Intersections**
   B&N will complete additional analysis at the traffic signal at 115th Avenue to determine how Northern Avenue will perform with and without the signal after the agreement for the temporary signal (in 2030). B&N will investigate providing a U-Turn treatment at 115th Avenue to accommodate vehicles from 112rh Avenue (Horizons at Suncliff) which are destined for eastbound per City of Peoria request.

   The City of Peoria is in agreement with the inclusion of the U-Turn Treatment at 111th Avenue in the recommended.

7. **107th Avenue**
   The typical section for the south leg of 107th Avenue should consist of 3 lanes with a two-way turn lane. Sidewalk will only be present on the west side. The sidewalk will continue south past Augusta Avenue to Frier Drive to close the sidewalk gap.

8. **103rd Avenue/Glen Harbor Boulevard**
   This topic was not discussed.

9. **Royal Palm Road**
   The status of both Royal Palm roads will be discussed at the Progress Meeting following this meeting.

10. **Augusta Avenue and Orangewood Avenue**
    Augusta Avenue and Orangewood Avenue will remain as part of the Recommended Alternative.

11. **Other**
    Seth Chalmers, representing the City of Glendale, requested that the bridge over the Agua Fria be marked for six through lanes. While the Recommended Alternative will provide sufficient pavement for six through lanes at the Agua Fria River Bridge, it will initially be striped as four through lanes to align with Northern Parkway improvements on the west side of the Agua Fria River. B&N will complete traffic analysis to demonstrate that the proposed pavement marking plan will work operationally.

TT0600/T0188 01L Northern Parkway
Agua Fria River to 99th Avenue

DESIGN MEETING SIGN IN
4/2/2020

Contract No: 2018-036 **Project No: TT0600**

Initials	*Name*	*Company/Section*	*Address with Zip Code*	*Phone*	*email*
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CM	Chris Lemka	City of Peoria	9875 N 85th Avenue Peoria, AZ 85345	623-773-7260	chris.lemka@peoriaaz.gov
AL	Adina Lund	City of Peoria	9875 N 85th Avenue Peoria, AZ 85345	623-773-7212	adina.lund@peoriaaz.gov
	Charles Andrews	City of Peoria	9875 N 85th Avenue Peoria, AZ 85345	623-773-7358	charles.andrews@peoriaaz.gov
PA	Purab Adabala	City of Glendale	6210 W Myrtle Avenue, Suite 112 Glendale, AZ 85301	623-930-2926	padabala@glendaleaz.com
SC	Seth Chalmers	Dibble Engineering/ City of Glendale	7878 North 16th Street Suite 300 Phoenix, AZ 85020	602-363-1854	seth.chalmers@dibblecorp.com
JP	Jason Pagnard	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	602-244-8100 x5332	jason.pagnard@burgessniple.com
DL	David Lenzer	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	602-244-8100 x1502	david.lenzer@burgessniple.com
CA	Cynthia Alvarez	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	602-244-8100 x5320	cynthia.alvarez@burgessniple.com

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Northern Parkway
Agua Fria River to 99th Avenue
Project No. TT0600/TRACS No. T0188 01L

Detailed Design Meeting Agenda

Date of Meeting: April 2, 2020 – 12:30 p.m.

Meeting Location: Virtual Conference (meeting invite also contains link and instructions)
Join Microsoft Teams Meeting
+1 469-480-7169 (use for audio and mute your PC)
Conference ID: 963 087 119#

From: Ben Markert, MCDOT

Attendees: **Please sign the virtual sign-in sheet**

1. **Welcome | Introductions**

2. **Right turn pockets at unsignalized access points**
   - ❑ Confirm locations
     - i. Westbound – 112th Ave
     - ii. Eastbound – 110th Ave and 109th Ave
     - iii. None (all westbound direction) - 110th Ave; 109th Ave; 108th Dr; 106th Ave; 104th Ave
   - ❑ Design considerations due to narrow width
     - i. Narrow to 5' sidewalk and 10' right turn pocket
     - ii. Narrow median

3. **Median Crossings**
   - ❑ Emergency median crossing treatments

4. **New River Bridge Bike Lane Transitions**
   - ❑ Transition on west side of bridge

5. **Privacy Walls**
    - ❑ Privacy wall heights

6. **Signalized Intersections**
    - ❑ 115th Ave - Considerations regarding interim traffic signal status
    - ❑ 111th Ave - Confirm westbound U-turn treatment (turn pocket and signal phase)

7. **107th Avenue**
    - ❑ Typical section
    - ❑ Sidewalk limits to south

8. **103rd Avenue/Glen Harbor Boulevard**
    - ❑ Work extents to south (work limits, full depth pavement, restriping, sidewalk)

9. **Royal Palm Road**
    - ❑ Status
    - ❑ Typical section

10. **Augusta Avenue and Orangewood Avenue**
    - ❑ Status
    - ❑ Typical section

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Northern Parkway
Agua Fria River to 99th Avenue
Project No. TT0600/TRACS No. T0188 01L

Progress Meeting 8 Summary

Distribution Date: April 27, 2020

Date of Meeting: April 2, 2020 – 1:00 p.m.

Meeting Location: Virtual Conference

From: Ben Markert, MCDOT

Attendees: **See attached sign-in sheet**

The following meeting notes for the Northern Parkway, Agua Fria River to 99th Avenue, project are for your information, use, and distribution. Please contact Ben Markert at (602) 506-8651 if you have comments or questions. The team list/sign-in sheet is also included following the notes. If there is any missing information or additions to the notes, please let me know. Thank you to everyone who participated in the meeting.

ACTION ITEMS

No.	Action Item	Responsible	Due Date	Completed	Status/Comments
20	Coordinate with City of Peoria for Basin Agreement	B&N	5/29/20		Coordination underway (Basin is privately owned and maintained)
26	Update noise analysis	AZTEC	TBD		Waiting selection of the Preferred Alternative
27	Evaluate right turn lane volumes	B&N	4/30/20		
28	Provide direction on inclusion of right turn pockets	City of Peoria	5/29/20		
29	Schedule Emergency Responders Meetings	B&N/City of Peoria	5/29/20		

No.	Action Item	Responsible	Due Date	Completed	Status/Comments
30	Identify bike lane transition at New River	City of Peoria	4/16/20	4/2/20	Resolved at Progress Meeting 8
31	Complete additional traffic analysis for 115th Ave traffic signal and western lane transition	B&N	4/30/20		
32	Determine privacy wall height for residences in unincorporated county land	MCDOT	8/1/20		
33	Coordinate for Environmental Meeting	B&N/AZTEC	4/30/20		
34	Coordinate for public utility meeting	TYLIN	4/30/20	4/16/20	Meeting scheduled for 4/22/20
35	Investigate new alignment for Royal Palm Road	B&N	4/30/20		
36	Distribute Landscape TM Outline for review	B&N	4/20/20	4/20/20	

DECISIONS

- Orangewood Avenue and Augusta Avenue will be included in the Recommended Alternative.
- Royal Palm Road (both) will be excluded from the Recommended Alternative.

NOTES

1. **Welcome | Introductions**
   Team members were welcomed to the Northern Parkway, Agua Fria River to 99th Avenue, Progress Meeting 8. Meeting handouts included an agenda. A sign-in form was provided in the meeting chat.

2. **Review Action Items**
   Action items were reviewed – updates, changes, and additions are as noted in the Action Items section.

3. **Review Decisions**
   Decisions made during Progress Meeting 7 were reviewed.

4. **Schedule**
   The project schedule was reviewed.

   The following is the anticipated schedule based on the available information:

Milestone	Original Schedule	New Schedule	Actual Completion
Land Survey Complete	January 22, 2019	-	January 22, 2019
Consultant NTP	January 24, 2019	-	January 24, 2019
Design Criteria Approved	March 29, 2019	October 17, 2019	-
Conceptual Alternatives	August 30, 2019	-	August 30, 2019
Conceptual Alternatives Approved	September 20, 2019	-	September 23, 2019
Public Hearing	February 27, 2020	February 25, 2020	-
IGA Completed	TBD	-	-
Candidate Alternatives	January 17, 2020	-	January 17, 2020
Candidate Alternatives Approved	February 7, 2020	-	February 7, 2020
Recommended Alternative Selected	April 2, 2020	-	April 2, 2020
Prior Rights Information Obtained	August 21, 2020	-	-
Draft SDR and Scoping Plan Submittal	August 21, 2020	-	-
Right-of-Way Identified	November 19, 2020	-	-
Environmental Identification Memorandum (EIM) Submittal	November 19, 2020	-	-

Milestone	Original Schedule	New Schedule	Actual Completion
Technical Memoranda Complete	November 19, 2020	-	-
Final Scoping Document – 30% Scoping Plan Submittal	November 19, 2020	-	-
Scoping Approved	January 22, 2021	-	-

- Tasks Due this month/next month
  - Recommended Alternative Selected
- Tasks Completed this month/last month
  - Public Hearing – February 25, 2020

5. **Survey (MCDOT/B&N)**
   Burgess & Niple is coordinating with John Ashley for additional survey needs.

6. **Roadway (B&N)**
   A Design Meeting was held prior to this meeting to discuss design details including location of right turn pockets, typical section for 107th Avenue, and additional traffic analysis needs. The meeting summary for the Design Meeting is included as an attachment to this meeting summary.

7. **Drainage (J2)**
   No update.

8. **Traffic (B&N)**
   A Design Meeting was held prior to this meeting to discuss design details including location of right turn pockets, typical section for 107th Avenue, and additional traffic analysis needs. The meeting summary for the Design Meeting is included as an attachment to this meeting summary.

9. **Environmental (AZTEC)**
   The draft preliminary noise analysis draft is almost complete.

   B&N and AZTEC will set up a meeting to discuss Environmental topics for the project with Marinela Papa Konomi, MCDOT.

10. **Planning / ADA Compliance**
    No update.

11. Utilities (TY Lin/ EPNG)

The Recommended Alternative will not impact the EPNG valve site. In response to a question during Progress Meeting 7, EPNG responded that the PIG Launcher cannot be subterranean.

TY Lin will be performing relocation design for city utilities (both Glendale and Peoria). TY Lin will begin coordination with Brent Scott regarding utility potholing. This can begin in areas where the Recommended Alternative has been selected. Ben Markert, MCDOT, suggests also reaching out to private utility owners for upcoming plans for relocations.

Purab Adabala, City of Glendale, would like TY Lin to coordinate with City of Glendale utility group regarding utility relocations.

12. Structures (TY Lin)

The City of Peoria stated that the bicycle lane should merge with the sidewalk at the New River Bridge. The City directed that transitions only be included on the east side of the bridge.

13. Geotechnical / Pavement Design (B&N)

No update.

14. Public and Stakeholder Involvement (Central Creative)

Jason Pagnard, B&N, and Traci Ruth, MCDOT, provided a summary of the public meeting. The public meeting was well attended. Noise concerns was one of most prominent comments from attendees in addition to access, U-turns, and new roads.

A suggestion was to consider an access road behind the condominiums, from 109th Avenue to 107th Avenue, through the golf course in lieu of a new Royal Palm Road connection between 108th Drive and 107th Avenue. B&N will investigate if this was considered during the DCR or another stage and how this potential new alignment affects the Environmental Assessment.

A few comments were made regarding engine breaking in the project area.

B&N will be coordinating with City of Glendale Police and Fire. City of Peoria will coordinate with their departments.

The traffic analysis of the Recommended Alternative will reflect the impacts of excluding both Royal Palm Road alignments.

15. Right-of-Way (B&N)

The right-of-way needs will be refined now that a Recommended Alternative has been identified.

16. Aesthetics/Landscaping (J2)

B&N will send the Landscape Technical Memorandum outline to meeting attendees and request comment.

17. Summary | Miscellaneous Items

None.

18. Next Meeting

The next progress meeting is scheduled for May 6.

TT0600/T0188 01L Northern Parkway
Agua Fria River to 99th Avenue

PROGRESS MEETING 8 SIGN IN
4/2/2020

Contract No: 2018-036 **Project No: TT0600**

Initials	*Name*	*Company/Section*	*Address with Zip Code*	*Phone*	*email*
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TT0600/T0188 01L Northern Parkway
Agua Fria River to 99th Avenue

PROGRESS MEETING 8 SIGN IN
4/2/2020

Contract No: 2018-036 **Project No: TT0600**

Initials	*Name*	*Company/Section*	*Address with Zip Code*	*Phone*	*email*
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	Lisa Rodriguez	City of Peoria	9875 N 85th Avenue Peoria, AZ 85345		lisa.rodriguez@peoriaaz.gov
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	John Bullen	MAG	302 North 1st Avenue, Suite 300 Phoenix, AZ 85003	602-254-6300	jbullen@azmag.gov
	Quinn Castro	MAG	302 North 1st Avenue, Suite 300 Phoenix, AZ 85003	602-254-6300	qcastro@azmag.gov
KM	Kristin Myers	MAG	302 North 1st Avenue, Suite 300 Phoenix, AZ 85003	602-452-5094	kmyers@azmag.gov
	James Pigg	El Paso Natural Gas Company	7776 S. Pointe Parkway West, Suite 185 Phoenix, AZ 85044		james_pigg@kindermorgan.com
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SW	Steve Weatherhead	El Paso Natural Gas Company	7776 S. Pointe Parkway West, Suite 185 Phoenix, AZ 85044	520-509-3265	steve_weatherhead@kindermorgan.com
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	Evan Carbonneau	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	602-244-8100 x5309	evan.carbonnneau@burgessniple.com
	Rebecca Lengua	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	602-244-8100 x5337	rebecca.lengua@burgessniple.com
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TT0600/T0188 01L Northern Parkway
Agua Fria River to 99th Avenue

PROGRESS MEETING 8 SIGN IN
4/2/2020

Contract No: 2018-036 **Project No: TT0600**

Initials	*Name*	*Company/Section*	*Address with Zip Code*	*Phone*	*email*
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	James Barr	TY Lin International	60 E Rio Salado Parkway Ste 501 Tempe, AZ 85281	480-333-4405	James.Barr@tylin.com
BP	Brenan Poe	TY Lin International	60 E Rio Salado Parkway Ste 501 Tempe, AZ 85281	480-333-4168	brenan.poe@tylin.com
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Northern Parkway
Agua Fria River to 99th Avenue
Project No. TT0600/TRACS No. T0188 01L

Progress Meeting 8 Agenda

Date of Meeting: April 2, 2020 – 12:30 p.m.

Meeting Location: Virtual Conference (meeting invite also contains link and instructions)
Join Microsoft Teams Meeting
+1 469-480-7169 (use for audio and mute your PC)
Conference ID: 371 886 763#

From: Ben Markert, MCDOT

Attendees: **Please sign the sign-in sheet**

1. **Welcome | Introductions**

2. **Review Action Items**
   - Action Items Review:

No.	Action Item	Responsible	Due Date	Completed	Status/Comments
20	Coordinate with City of Peoria for Basin Agreement	B&N	2/28/20		Coordination underway
25	Select Preferred Alternative	Project Partners	2/7/20	2/12/20	
26	Update noise analysis	AZTEC	TBD		Waiting selection of the Preferred Alternative

3. **Decisions**
   - Selected and presented to the public a preferred alternative that provides a median that is a minimum of 14'-wide in lieu of bike lanes west of the New River bridge.

4. Schedule

Milestone	Original Schedule	New Schedule	Actual Completion
Land Survey Complete	January 22, 2019	-	January 22, 2019
Consultant NTP	January 24, 2019	-	January 24, 2019
Design Criteria Approved	March 29, 2019	October 17, 2019	-
Conceptual Alternatives	August 30, 2019	-	August 30, 2019
Conceptual Alternatives Approved	September 20, 2019	-	September 23, 2019
Public Hearing	February 27, 2020	February 25, 2020	February 25, 2020
IGA Completed	TBD	-	-
Candidate Alternatives	January 17, 2020	-	January 17, 2020
Candidate Alternatives Approved	February 7, 2020	-	February 7, 2020
Recommended Alternative Selected	April 2, 2020	-	-
Prior Rights Information Obtained	August 21, 2020	-	-
Draft SDR and Scoping Plan Submittal	August 21, 2020	-	-
Right-of-Way Identified	November 19, 2020	-	-
Environmental Identification Memorandum (EIM) Submittal	November 19, 2020	-	-
Technical Memoranda Complete	November 19, 2020	-	-
Final Scoping Document – 30% Scoping Plan Submittal	November 19, 2020	-	-
Scoping Approved	January 22, 2021	-	-

- ❑ Tasks Due this month/next month
  - Select Recommended Alternative – April 2, 2020
- ❑ Tasks Completed since last meeting
  - Approval of Candidate Alternatives – February 7, 2020
  - Received Candidate Alterative comments from team
  - Public Meeting – February 25, 2020

5. **Survey (MCDOT/B&N)**
   - ❑ General Update

6. **Roadway (B&N)**
   - ❑ Identify Recommended Alternative
     - Status of Royal Palm Road extensions
   - ❑ Detail Design Decisions

7. **Drainage (J2)**
   - ❑ General Update

8. **Traffic (B&N)**
   - ❑ General Update

9. **Environmental (AZTEC)**
   - ❑ General Update

10. **Planning / ADA Compliance**
    - ❑ General Update

11. **Utilities (TY Lin)**
    - ❑ EPNG Update
    - ❑ General Update

12. Structures (TY Lin)

- ❑ General Update

13. Geotechnical / Pavement Design (B&N)

- ❑ General Update

14. Public / Intergovernmental / Federal Involvement (MCDOT)

- ❑ Public Meeting Summary
- ❑ Summary of Public Comments

15. Right-of-Way (B&N)

- ❑ General Update

16. Aesthetics/Landscaping (J2)

- ❑ General Update

17. Summary | Miscellaneous Items

- ❑ None

18. Adjourn | Next Meeting

- ❑ Progress Meeting – TBD

Maricopa County
Department of Transportation

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Northern Parkway
Agua Fria River to 99th Avenue
Project No. TT0600/TRACS No. T0188 01L

Design Meeting Summary

Distribution Date: April 24, 2020

Date of Meeting: April 2, 2020 – 12:30 p.m.

Meeting Location: Virtual Conference

From: Ben Markert, MCDOT

Attendees: **See attached sign-in sheet**

The following meeting notes for the Northern Parkway, Agua Fria River to 99th Avenue, project are for your information, use, and distribution. Please contact Ben Markert at (602) 506-8651 if you have comments or questions. The team list/sign-in sheet is also included following the notes. If there is any missing information or additions to the notes, please let me know. Thank you to everyone who participated in the meeting.

ACTION ITEMS

No.	Action Item	Responsible	Due Date	Completed	Status/Comments
27	Evaluate right turn lane volumes	B&N	4/30/20		
28	Provide direction on inclusion of right turn pockets	City of Peoria	5/29/20		
29	Schedule Emergency Responders Meetings	B&N/City of Peoria	5/29/20		
30	Identify bike lane transition at New River	City of Peoria	4/16/20	4/2/20	Resolved at Progress Meeting 8
31	Complete additional traffic analysis for 115th Ave traffic signal and western lane transition	B&N	4/30/20		

No.	Action Item	Responsible	Due Date	Completed	Status/Comments
32	Determine privacy wall height for residences in unincorporated county land	MCDOT	8/1/20		

DECISIONS

- None

NOTES

1. **Welcome | Introductions**
   Team members were welcomed to the Northern Parkway, Agua Fria River to 99th Avenue, Design Meeting. Meeting handouts included an agenda. A sign-in form was provided in the meeting chat.

2. **Right turn pockets at unsignalized access points**
   The preferred alternative currently shows right turn pockets at unsignalized intersections where they currently exist. Right turn pockets are provided at signalized intersections. The table below identifies if the turn pockets currently exist and if the right turn pockets are to be included in the recommended alternative.

Cross Street	Direction	Existing	Recommended	Comments
112th Ave	WB	Y	Y	
110th Ave	WB	N	TBD	Traffic information to be provided
110th Ave	EB	Y	Y	10.5' wide lane; 4.5' wide sidewalk
109th Ave	WB	N	N	ROW constraint
109th Ave	EB	Y	Y	10.5' wide lane; 4.5' wide sidewalk
108th Ave	EB	N	N	Access closed to public
108th Dr	WB	N	N	ROW constraint
106th Ave	WB	N	TBD	Traffic information to be provided
104th Dr	WB	N	TBD	Traffic information to be provided

On the north side, westbound right turn pocket could be added at 110th Avenue but it would encroach on HOA property. Adina Lund, City of Peoria, indicated she would like to see traffic volumes to see if warranted. B&N will follow up. The addition of right turn

pockets at 109th Avenue and 108th Drive would impact the PIG Launcher and a private home respectively. Ms. Lund stated that these do not need to be included in the Recommended Alternative. Right turn pockets at 106th Avenue and 104th Avenue may be added but would require some modifications to curb returns in the existing design. The City of Peoria will follow up on direction for this.

On the south side, right turn pockets will be added at 110th Avenue and 109th Avenue per City of Glendale request. The right turn pocket will be 10.5 feet and the sidewalk will be 4.5 feet.

3. **Median Crossings**
   B&N will coordinate to meet with City of Glendale Police and Fire for emergency median crossing treatments and additional needs. City of Peoria will reach out to City Police and Fire.

4. **New River Bridge Bike Lane Transitions**
   Peoria will continue to consider the preference for the bike lane transition at the New River Bridge. This was resolved during Progress Meeting 8. The City directed that transitions only be included on the east side of the bridge.

5. **Privacy Walls**
   The privacy walls for residences along Northern Avenue and within Peoria shall conform to the Peoria standard height of 8'; the height of the privacy walls for residences along Northern Avenue and within unincorporated Maricopa County is to be determined. There are no residences along Northern Avenue and within Glendale at this time.

6. **Signalized Intersections**
   B&N will complete additional analysis at the traffic signal at 115th Avenue to determine how Northern Avenue will perform with and without the signal after the agreement for the temporary signal (in 2030). B&N will investigate providing a U-Turn treatment at 115th Avenue to accommodate vehicles from 112rh Avenue (Horizons at Suncliff) which are destined for eastbound per City of Peoria request.

   The City of Peoria is in agreement with the inclusion of the U-Turn Treatment at 111th Avenue in the recommended.

7. **107th Avenue**
   The typical section for the south leg of 107th Avenue should consist of 3 lanes with a two-way turn lane. Sidewalk will only be present on the west side. The sidewalk will continue south past Augusta Avenue to Frier Drive to close the sidewalk gap.

8. **103rd Avenue/Glen Harbor Boulevard**
   This topic was not discussed.

9. **Royal Palm Road**
   The status of both Royal Palm roads will be discussed at the Progress Meeting following this meeting.

10. **Augusta Avenue and Orangewood Avenue**
    Augusta Avenue and Orangewood Avenue will remain as part of the Recommended Alternative.

11. **Other**
    Seth Chalmers, representing the City of Glendale, requested that the bridge over the Agua Fria be marked for six through lanes. While the Recommended Alternative will provide sufficient pavement for six through lanes at the Agua Fria River Bridge, it will initially be striped as four through lanes to align with Northern Parkway improvements on the west side of the Agua Fria River. B&N will complete traffic analysis to demonstrate that the proposed pavement marking plan will work operationally.

TT0600/T0188 01L Northern Parkway
Agua Fria River to 99th Avenue

DESIGN MEETING SIGN IN
4/2/2020

Contract No: 2018-036 **Project No: TT0600**

Initials	*Name*	*Company/Section*	*Address with Zip Code*	*Phone*	*email*
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DL	David Lenzer	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	602-244-8100 x1502	david.lenzer@burgessniple.com
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Maricopa County
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Northern Parkway
Agua Fria River to 99th Avenue
Project No. TT0600/TRACS No. T0188 01L

Detailed Design Meeting Agenda

Date of Meeting: April 2, 2020 – 12:30 p.m.

Meeting Location: Virtual Conference (meeting invite also contains link and instructions)
Join Microsoft Teams Meeting
+1 469-480-7169 (use for audio and mute your PC)
Conference ID: 963 087 119#

From: Ben Markert, MCDOT

Attendees: **Please sign the virtual sign-in sheet**

1. **Welcome | Introductions**

2. **Right turn pockets at unsignalized access points**
   - ❑ Confirm locations
     - i. Westbound – 112th Ave
     - ii. Eastbound – 110th Ave and 109th Ave
     - iii. None (all westbound direction) - 110th Ave; 109th Ave; 108th Dr; 106th Ave; 104th Ave
   - ❑ Design considerations due to narrow width
     - i. Narrow to 5' sidewalk and 10' right turn pocket
     - ii. Narrow median

3. **Median Crossings**
   - ❑ Emergency median crossing treatments

4. **New River Bridge Bike Lane Transitions**
   - ❑ Transition on west side of bridge

5. **Privacy Walls**
    - ❑ Privacy wall heights

6. **Signalized Intersections**
    - ❑ 115th Ave - Considerations regarding interim traffic signal status
    - ❑ 111th Ave - Confirm westbound U-turn treatment (turn pocket and signal phase)

7. **107th Avenue**
    - ❑ Typical section
    - ❑ Sidewalk limits to south

8. **103rd Avenue/Glen Harbor Boulevard**
    - ❑ Work extents to south (work limits, full depth pavement, restriping, sidewalk)

9. **Royal Palm Road**
    - ❑ Status
    - ❑ Typical section

10. **Augusta Avenue and Orangewood Avenue**
    - ❑ Status
    - ❑ Typical section

Maricopa County
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Northern Parkway
Agua Fria River to 99th Avenue
Project No. TT0600/TRACS No. T0188 01L

Progress Meeting 9 Summary

Distribution Date: May 20, 2020

Date of Meeting: May 6, 2020 – 1:00 p.m.

Meeting Location: Virtual Conference

From: Ben Markert, MCDOT

Attendees: **See attached sign-in sheet**

The following meeting notes for the Northern Parkway, Agua Fria River to 99th Avenue, project are for your information, use, and distribution. Please contact Ben Markert at (602) 506-8651 if you have comments or questions. The team list/sign-in sheet is also included following the notes. If there is any missing information or additions to the notes, please let me know. Thank you to everyone who participated in the meeting.

ACTION ITEMS

No.	Action Item	Responsible	Due Date	Completed	Status/Comments
26	Update noise analysis	AZTEC	TBD		Pending action item 33
28	Provide direction on inclusion of right turn pockets	City of Peoria	5/29/20	5/15/20	Include WB RT pocket at 110th; not at 106th or 104th
29	Schedule Emergency Responders Meetings	B&N/City of Peoria	5/29/20		Adina and Chris will coordinate with Emergency Responders; B&N coordinating with the City of Glendale
31	Complete additional traffic analysis for 115th Ave traffic signal and western lane transition	B&N	4/30/20		In progress, draft completed 4/30. Additional analysis is being conducted.

No.	Action Item	Responsible	Due Date	Completed	Status/Comments
32	Determine privacy wall height for residences in unincorporated county land	MCDOT	8/1/20		
33	Coordinate for Environmental Meeting	B&N/AZTEC	4/30/20	4/28/20	
35	Investigate new alignment for Royal Palm Road	B&N	4/30/20	4/30/20	No further action. Findings will be documented in the SDR.
37	Coordinate for 107th Avenue design	B&N	5/13/20	5/13/20	
38	Develop Pothole list	TY Lin	6/1/20		
39	Coordinate with private utility owners	TY Lin	7/6/20		
40	Coordinate with Angela Manuel regarding encroachments	B&N	5/20/20	5/7/20	
41	Distribute aesthetics package for review	B&N	5/20/20	5/7/20	
42	Provide input of landscape/ aesthetics	City of Glendale/City of Peoria	6/3/20		

DECISIONS

- No further action required on Griswold Road alignment between 109th Avenue and 107th Avenue.
- After the meeting, direction was received to include a right-turn lane for westbound traffic at 110th Avenue and not at 106th and 104th Avenues.

NOTES

1. **Welcome | Introductions**
   Team members were welcomed to the Northern Parkway, Agua Fria River to 99th Avenue, Progress Meeting 9. Meeting handouts included an agenda.

2. **Review Action Items**
   Action items were reviewed – updates, changes, and additions are as noted in the Action Items section.

3. **Review Decisions**
   Decisions made during Progress Meeting 8 were reviewed.

4. **Schedule**
   The project schedule was reviewed.

   The following is the anticipated schedule based on the available information:

Milestone	Original Schedule	New Schedule	Actual Completion
Land Survey Complete	January 22, 2019	-	January 22, 2019
Consultant NTP	January 24, 2019	-	January 24, 2019
Design Criteria Approved	March 29, 2019	October 17, 2019	-
Conceptual Alternatives	August 30, 2019	-	August 30, 2019
Conceptual Alternatives Approved	September 20, 2019	-	September 23, 2019
Public Hearing	February 27, 2020	February 25, 2020	-
IGA Completed	TBD	-	-
Candidate Alternatives	January 17, 2020	-	January 17, 2020
Candidate Alternatives Approved	February 7, 2020	-	February 7, 2020
Recommended Alternative Selected	April 2, 2020	-	April 2, 2020
Prior Rights Information Obtained	August 21, 2020	-	-
Draft SDR and Scoping Plan Submittal	August 21, 2020	-	-
Right-of-Way Identified	November 19, 2020	-	-
Environmental Identification Memorandum (EIM) Submittal	November 19, 2020	-	-
Technical Memoranda Complete	November 19, 2020	-	-

Milestone	Original Schedule	New Schedule	Actual Completion
Final Scoping Document – 30% Scoping Plan Submittal	November 19, 2020	-	-
Scoping Approved	January 22, 2021	-	-

- Tasks Due this month/next month
  - None
- Tasks Completed this month/last month
  - None

5. **Survey (MCDOT/B&N)**
   Burgess & Niple is coordinating with John Ashley for additional survey needs.

6. **Roadway (B&N)**
   B&N investigated the inclusion of right-turn lanes at 110th Avenue, 106th Avenue, and 104th Avenue and provided to the City of Peoria for review. Initial comments were provided. The City of Peoria will continue evaluating and provide final decisions on the locations of right-turn pockets. After the meeting, direction was received to include a right-turn lane for westbound traffic at 110th Avenue and not at 106th and 104th Avenues.

   B&N investigated Griswold Avenue (Golf Course Road) from 109th Avenue to 107th Avenue based on a public comment and provided information for review to MCDOT and the City of Peoria. This new road will not move forward as part of the Recommended Alternative due to impacts to the private golf course and homeowners that would be adjacent to the new road. This will be documented in the Scoping and Design Report (SDR).

   CADD files for the 103rd Avenue Improvements project were requested from the City of Peoria using the online data request form. After the meeting, the CADD files were received and the design of the northeast curb return was updated and deemed acceptable by the City of Peoria.

   B&N will coordinate with the City of Peoria and City of Glendale regarding 107th Avenue typical sections. After the meeting, the City of Peoria stated that the existing curb to curb width along 107th Avenue north of Northern Avenue is acceptable and should not be widened. In a separate meeting with the City of Glendale, direction was provided for including bike lanes and a single southbound lane pavement marking along 107th Avenue south of Northern Avenue.

B&N investigated the lane configuration west of 115th Avenue and provided information for review to MCDOT. In the westbound direction between the 115th signal and the exit ramp to El Mirage Road, only 2 mainline lanes are needed for the free flow, limited access condition that will be in place in the design year. The lane configuration initially recommended includes a taper in the outside lane west of 115th Avenue and then bump out for the exit ramp. Ben Markert, MCDOT, indicated a westbound right turn pocket is being constructed at 115th Avenue as part of MCDOT Project TT0347. This should be considered when evaluating the lane configurations for the western terminus of the project. B&N will continue this analysis and provide additional information as available. Mr. Markert also suggesting considering the heavy truck traffic from 115th Avenue westbound that will have to merge with higher speed vehicles.

7. **Drainage (J2)**

The existing basin at the northwest corner of 111th Avenue and Northern Avenue collects flows from Northern Avenue, 111th Avenue and the development at the northeast corner. The basin is located in the HOA property and is also a WAPA power corridor. The design team looked at relocating this basin to the west. This will require additional right-of-way and storm drain system to divert flows to new basin. However, the availability of land to the west is limited. Another option was to route flows east to the proposed basin along the west side of New River. This is not feasible due to bucking grade going east. The high point is near 105th Avenue and the proposed storm drain would be approximately 20 feet deep at this location. The current plan is to reshape the basin to account for lost retention from the proposed roadway improvements and the added onsite drainage. In addition, an outlet/bleeder pipe will be added to help drain the basin within 36 hours. Currently the basin drains via percolation. If additional clear zone is needed the basin can be shifted further north.

The southwest corner of 107th Avenue and Northern Avenue is currently an undeveloped parcel. The proposed Augusta Avenue along the south end of the empty parcel will connect 107th Avenue to the existing condo complex. The existing condo complex currently outlets it flows onto the empty lot at the southeast corner of their property. The proposed basin at southwest corner of 107th Avenue and Northern Avenue will accommodate flows from the existing condo complex. However, there is a proposed development going in at this empty lot. The design team is currently evaluating the proposed roadway connection and the proposed development of the southwest corner to determine how to mitigate the drainage impacts to both the existing and proposed development.

The proposed basin at the southwest area of New River Bridge and Northern Avenue will mitigate flows from the proposed roadway improvements. No further comments regarding the location of this basin currently.

8. Traffic (B&N)

B&N investigated the traffic operations for the signal at 115th Avenue including a U-turn phase. The signal operates acceptably in 2040. The Synchro results were shared with MCDOT and the City of Peoria. B&N will collect traffic counts at 115th Avenue for further evaluation at this location. Mr. Markert is coordinating with the Resident Engineer for MCDOT Project TT0347 regarding timing place traffic count equipment so that it is not in conflict with construction activities. B&N has also requested traffic count information from CEMEX and Dirt 101.

The southern leg of 115th Avenue is being reconstructed as part of MCDOT Project TT0347. The southern leg will only serve as a secondary access and is anticipated to only be used a few times a month.

The 115th Avenue signal is currently owned and maintained by MCDOT. This will remain unchanged moving forward. Chris Lemka, City of Peoria, suggested the temporary signal be converted to permanent to allow residents from 112th Avenue to maneuver a U-turn for an eastbound movement.

9. Environmental (AZTEC)

Justin Hoppmann, AZTEC, coordinated with Marinela Papa Konomi, MCDOT, regarding comments received during the Conceptual and Candidate Alternative submittals. Mr. Hoppmann is making revisions and will provide Ms. Konomi the revised language before incorporation in the Conceptual and Candidate Alternative Analysis.

A Noise analysis will be completed for the Build Alternatives using the ADOT Noise Abatement Policy. The purpose of the preliminary noise analysis is to aid in decision making and developing cost and not for public input.

10. Planning / ADA Compliance

No update.

11. Utilities (TY Lin/ EPNG)

A City owned utility discussion was held on April 22 to get input from the City of Glendale and City of Peoria on future utility infrastructure needs and guidelines (i.e. materials) for any necessitated relocations. The Cities are to provide feedback to design team by end of May 2020 on any proposed facilities. Cities did request that accommodations for fiber conduit be made in the New River bridge widening design.

The consultant team is beginning review of conflicts with existing utilities based on the Recommended Alternative. A Pothole list will be developed and submitted to MCDOT and the Project Partners by the end of May 2020. The Recommended Alternative is not in conflict with EPNG “PIG launcher” site/equipment.

A request was made to further investigate Sub-Regional Operating Group (SROG) owned laser measuring facility and 42” line at the southwest corner of 99th Avenue and Northern Avenue to make sure it is incorporated into the project utility base mapping and any impacts assessed. Brent Scott, MCDOT, stated that he was communicating directly with the facility designers (Wilson Engineering) to obtain record drawings for this facility and hoped to have these by May 8.

TY Lin will coordinate with private utility owners (EPNG, APS, SROG, etc.) to determine/document clearance and construction mitigation requirements associated with their existing facilities relative to the proposed improvements in draft SDR submittal.

12. Structures (TY Lin)

TY Lin is moving forward with the structural design scope associated with the SDR and 30 percent plans based on the Recommended Alternative. Subsequent to the meeting, the City of Glendale provided a request to provide 2-4” ITS conduits on their side of the bridge structure. Based on quick evaluation, conduits of this size will have to be hung beneath the bridge structure (too large to be placed in roadside barriers). This is in addition to infrastructure identified in the MAG Infrastructure Needs Assessment Study (December 2018).

13. Geotechnical / Pavement Design (B&N)

No update.

14. Public and Stakeholder Involvement (Central Creative)

No update.

15. Right-of-Way (B&N)

Encroachments were identified along the northside of Northern Avenue between 107th and 103rd Avenues. The privacy wall surrounding the backyards of the Country Meadows Unit 4 subdivision are located approximately 9 feet south of the parcel boundary. Maricopa County Real Estate Division is working on evaluating options. The Recommended Alternative attempts to minimize impacts to private property.

B&N will reach out to Angela Manuel, City of Peoria, to identify if any easements or permits exist regarding the encroachment.

The annexation of the southwest corner of 107th Avenue to the City of Glendale is in process.

16. Aesthetics/Landscaping (J2)

B&N distributed a Landscape Technical Memorandum outline to Project Partners for input. The City of Glendale provided comments on the outline and identified a contact

person for future coordination. The City of Peoria will review. Adina Lund, City of Peoria, will provide comments on Bridge Aesthetics.

B&N will send the preliminary aesthetics package to the Project Partners for input.

A meeting will be scheduled soon to discuss landscape and aesthetics.

17. Summary | Miscellaneous Items

None.

18. Next Meeting

The next progress meeting is yet to be scheduled.

TT0600/T0188 01L Northern Parkway
Agua Fria River to 99th Avenue

PROGRESS MEETING 9 SIGN IN
5/6/2020

Contract No: 2018-036 **Project No: TT0600**

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TT0600/T0188 01L Northern Parkway
Agua Fria River to 99th Avenue

PROGRESS MEETING 9 SIGN IN
5/6/2020

Contract No: 2018-036 **Project No: TT0600**

Initials	Name	Company/Section	Address with Zip Code	Phone	email
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TT0600/T0188 01L Northern Parkway
Agua Fria River to 99th Avenue

PROGRESS MEETING 9 SIGN IN
5/6/2020

Contract No: 2018-036 **Project No: TT0600**

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Maricopa County
Department of Transportation

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Northern Parkway
Agua Fria River to 99th Avenue
Project No. TT0600/TRACS No. T0188 01L

Progress Meeting 9 Agenda

Date of Meeting: May 6, 2020 – 10:10 a.m.

Meeting Location: Virtual Conference (meeting invite also contains link and instructions)
Join Microsoft Teams Meeting
+1 469-480-7169 (use for audio and mute your PC)
Conference ID: 776 449 414#

From: Ben Markert, MCDOT

Attendees: **Please identify yourself if you call in only**

1. **Welcome | Introductions**

2. **Review Action Items**
   - Action Items Review:

No.	Action Item	Responsible	Due Date	Completed	Status/Comments
20	Coordinate with City of Peoria for Basin Agreement	B&N	5/29/20	4/29/20	No agreement in place. Basin is privately owned and maintained.
26	Update noise analysis	AZTEC	TBD		Pending action item 33
27	Evaluate right turn lane volumes	B&N	4/30/20	4/28/20	
28	Provide direction on inclusion of right turn pockets	City of Peoria	5/29/20		
29	Schedule Emergency Responders Meetings	B&N/City of Peoria	5/29/20		

No.	Action Item	Responsible	Due Date	Completed	Status/Comments
31	Complete additional traffic analysis for 115th Ave traffic signal and western lane transition	B&N	4/30/20		In progress
32	Determine privacy wall height for residences in unincorporated county land	MCDOT	8/1/20		
33	Coordinate for Environmental Meeting	B&N/AZTEC	4/30/20		In progress
34	Coordinate for public utility meeting	TYLIN	4/30/20	4/16/20	Meeting took place on 4/22/20
35	Investigate new alignment for Royal Palm Road	B&N	4/30/20		In progress
36	Distribute Landscape TM Outline for review	B&N	4/20/20	4/20/20	

3. Decisions

- Northern Avenue typical section alternative shown to the public will advance as the Recommended Alternative
- Orangewood Avenue and Augusta Avenue will be included in the Recommended Alternative
- Royal Palm Road (both) will be excluded from the Recommended Alternative

4. Schedule

Milestone	Original Schedule	New Schedule	Actual Completion
Land Survey Complete	January 22, 2019	-	January 22, 2019
Consultant NTP	January 24, 2019	-	January 24, 2019
Design Criteria Approved	March 29, 2019	October 17, 2019	October 11, 2019
Conceptual Alternatives	August 30, 2019	-	August 30, 2019
Conceptual Alternatives Approved	September 20, 2019	-	September 23, 2019
Public Hearing	February 27, 2020	February 25, 2020	February 25, 2020
IGA Completed	TBD	-	-
Candidate Alternatives	January 17, 2020	-	January 17, 2020
Candidate Alternatives Approved	February 7, 2020	-	February 7, 2020
Recommended Alternative Selected	April 2, 2020	-	April 2, 2020
Prior Rights Information Obtained	August 21, 2020	-	-
Draft SDR and Scoping Plan Submittal	August 21, 2020	-	-
Right-of-Way Identified	November 19, 2020	-	-
Environmental Identification Memorandum (EIM) Submittal	November 19, 2020	-	-
Technical Memoranda Complete	November 19, 2020	-	-
Final Scoping Document – 30% Scoping Plan Submittal	November 19, 2020	-	-
Scoping Approved	January 22, 2021	-	-

- ❑ Tasks Due this month/next month
  - None.
- ❑ Tasks Completed this month/last month
  - Recommended Alternative Selected

5. **Survey (MCDOT/B&N)**
   - General Update

6. **Roadway (B&N)**
   - Westbound right turn lanes at 110th, 106th and 104th
   - Griswold Road alignment between 109th and 107th in response to public meeting comments

7. **Drainage (J2)**
   - General Update

8. **Traffic (B&N)**
   - Pavement markings at Agua Fria River crossing interface
   - 115th Avenue update

9. **Environmental (AZTEC)**
   - General Update

10. **Planning / ADA Compliance**
    - General Update

11. **Utilities (TY Lin)**
    - Overview of Public Utilities Meeting

12. Structures (TY Lin)

- ❑ General Update

13. Geotechnical / Pavement Design (B&N)

- ❑ General Update

14. Public / Intergovernmental / Federal Involvement (MCDOT)

- ❑ General Update

15. Right-of-Way (B&N)

- ❑ SWC of 107th

16. Aesthetics/Landscaping (J2)

- ❑ Feedback on report outline
- ❑ Small group meeting

17. Summary | Miscellaneous Items

- ❑ None

18. Adjourn | Next Meeting

- ❑ Progress Meeting – TBD

Maricopa County
Department of Transportation

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Northern Parkway
Agua Fria River to 99th Avenue
Project No. TT0600/TRACS No. T0188 01L

Progress Meeting 10 Summary

Distribution Date: August 5, 2020

Date of Meeting: June 9, 2020 – 10:00 a.m.

Meeting Location: Virtual Conference

From: Ben Markert, MCDOT

Attendees: **See attached sign-in sheet**

The following meeting notes for the Northern Parkway, Agua Fria River to 99th Avenue, project are for your information, use, and distribution. Please contact Ben Markert at (602) 506-8651 if you have comments or questions. The team list/sign-in sheet is also included following the notes. If there is any missing information or additions to the notes, please let me know. Thank you to everyone who participated in the meeting.

ACTION ITEMS

No.	Action Item	Responsible	Due Date	Completed	Status/Comments
26	Update noise analysis	AZTEC	TBD		MCDOT has coordinated with ADOT regarding noise analysis expectations
29	Schedule Emergency Responders Meetings	B&N/City of Peoria	5/29/20	6/11/20	Meeting with Glendale scheduled for 6/16/20; MCSO coordination pending
32	Determine privacy wall height for residences in unincorporated county land	MCDOT	8/1/20		
39	Coordinate with private utility owners	TY Lin	7/6/20	6/10/20	Meeting scheduled for 6/16/20
42	Provide input of landscape/ aesthetics	City of Glendale/City of Peoria	6/3/20	6/9/20	Meeting scheduled for 6/17/20

No.	Action Item	Responsible	Due Date	Completed	Status/Comments
43	Coordinate proposed drainage improvements with City of Peoria, City of Glendale, and MCDOT for 107th	J2	6/26/20	6/11/20	
44	Determine City of Glendale pull box standards	B&N	6/19/20	6/17/20	
45	Coordinate potholing activities	TY Lin/ MCDOT	6/23/20		Pending 39
46	Follow up with APS regarding prior rights	TY Lin	6/26/20	6/23/20	Discuss at private utility meeting
47	Confirm City of Peoria conduit design requirements	TY Lin	7/10/20		
48	Coordinate Country Meadows 2 Field Meeting	B&N	6/26/20		Meeting scheduled for 6/23/2020
49	Confirm annexation of parcel to City of Glendale	City of Glendale	6/19/20	6/16/2020	Annexation adopted on 6/9/2020
50	Discuss project programming with MCDOT	B&N	8/14/20		

DECISIONS

- None

NOTES

1. **Welcome | Introductions**
   Team members were welcomed to the Northern Parkway, Agua Fria River to 99th Avenue, Progress Meeting 10. Meeting handouts included an agenda.

2. **Review Action Items**
   Action items were reviewed – updates, changes, and additions are as noted in the Action Items section.

3. **Review Decisions**
   Decisions made during Progress Meeting 9 were reviewed.

4. **Schedule**
   The project schedule was reviewed.

   The following is the anticipated schedule based on the available information:

Milestone	Original Schedule	New Schedule	Actual Completion
Land Survey Complete	January 22, 2019	-	January 22, 2019
Consultant NTP	January 24, 2019	-	January 24, 2019
Design Criteria Approved	March 29, 2019	October 17, 2019	-
Conceptual Alternatives	August 30, 2019	-	August 30, 2019
Conceptual Alternatives Approved	September 20, 2019	-	September 23, 2019
Public Hearing	February 27, 2020	February 25, 2020	-
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Candidate Alternatives Approved	February 7, 2020	-	February 7, 2020
Recommended Alternative Selected	April 2, 2020	-	April 2, 2020
Prior Rights Information Obtained	August 21, 2020	-	-
Draft SDR and Scoping Plan Submittal	August 21, 2020	-	-
Right-of-Way Identified	November 19, 2020	-	-
Environmental Identification Memorandum (EIM) Submittal	November 19, 2020	-	-
Technical Memoranda Complete	November 19, 2020	-	-
Final Scoping Document – 30% Scoping Plan Submittal	November 19, 2020	-	-
Scoping Approved	January 22, 2021	-	-

- Tasks Due this month/next month
  - None
- Tasks Completed this month/last month
  - None

5. **Survey (MCDOT/B&N)**
   Burgess & Niple coordinated with John Ashley, MCDOT, for additional survey needs. The new survey is anticipated to be delivered to B&N in early to mid-August.

   The pending survey request includes the Swire-Coca Cola wall south of Northern Avenue between 107th Avenue and 103rd Avenue and the northern portion of the 103rd Avenue intersection with Northern Avenue.

6. **Roadway (B&N)**
   Coordination for Emergency Responders meetings is underway. Chris Lemka, City of Peoria, is coordinating with City of Peoria providers. B&N is coordinating with the City of Glendale and MCSO.

   Royal Palm Road extensions will be excluded from the Recommended Alternative. Residents within the adjacent neighborhoods have been informed of this.

   Per discussions with the City of Glendale, B&N will develop improvements for the south leg of 103rd Avenue that includes full-depth pavement replacement. B&N has received the City of Peoria record drawings for the recent improvements to 103rd Avenue from Northern Avenue to Olive Avenue. This will be used in conjunction with the pending ground survey to develop the tie-in design.

   B&N coordinated with the City of Glendale and the City of Peoria regarding the 107th Avenue width, pavement markings, and tie-in locations.

7. **Drainage (J2)**
   The J2 design team investigated the proposed connection of the existing basin at the northwest corner of 111th Avenue and Northern Avenue and the new basin along the Agua Fria River being constructed as part of MCDOT Project TT0347. Due to geometric constraints, a direct connection does not appear to be viable. To mitigate this, an additional basin is being proposed, to be located on the north side of Northern Avenue between the Dirt 101 driveways. The existing basin at 111th Avenue would connect to the proposed basin via a new storm drain pipe. A ditch would then connect the proposed basing to the new basin at Agua Fria River. The existing basin adjacent to 111th Avenue may also be extended west to further account for the lost retention from the proposed roadway improvements, but the need for this is not anticipated.

   A proposed development is planned for the vacant parcel in the southwest corner of 107th Avenue and Northern Avenue. The parcel currently directs its flows to a ditch in the southeast corner of the parcel. J2, B&N, and the County will coordinate with the development regarding the parcel drainage. Ben Markert, MCDOT, noted that the basin capacity should be confirmed and provided to the City of Glendale as the City is in the process of annexing that parcel.

According to the regional 100-year flow model, the existing configuration of the intersection of 107th Avenue and Northern Avenue has rainfall of 248 cfs. The flow can be accommodated with the current roadway design, draining south. The south leg of 107th Avenue is within the jurisdiction of Maricopa County. The current Maricopa County Drainage Policies and Standards require a configuration which would limit the flow capacity of the road to 100 cfs, resulting in 148 cfs unaddressed. The first option to mitigate this is to develop a storm drain connection from 107th Avenue to the proposed New River basin. The second option would be requesting a waiver or a design exception request from the County. Purab Adabala, City of Glendale, inquired upon the estimated cost if the storm drain option were to proceed. James Philbin, J2, noted that this can be provided. Graphics depicting the two options and accompanying descriptions will be developed to foster discussion.

Mr. Pagnard suggested a follow up with Charles Andrews and Dan Nissen with the City of Peoria regarding drainage within the project area.

8. <u>Traffic (B&N)</u>

B&N has received the City of Glendale request for additional conduit across the New River bridge and shall incorporate this into the design. This is in addition to the conduits being added per the MAG Northern Parkway ITS Infrastructure Needs Assessment Study.

It has been confirmed that the north side of the Northern Parkway corridor will have pull boxes per the City of Peoria Standards. The City of Glendale will be contacted regarding pull box standards for the south side of the corridor.

Conducting traffic counts at 115th Avenue is pending completion of the construction of TT0347.

9. <u>Environmental (AZTEC)</u>

Marinela Papa Konomi, MCDOT, coordinated with ADOT regarding noise analysis expectations for the final design phase. Justin Hoppmann, AZTEC, noted that the current goal for the scoping phase is programming for potential cost and right-of-way needs if noise mitigation barriers are warranted.

A preliminary noise analysis has been conducted and shall be updated as the design proceeds. This noise information will be included within both the Scoping and Design Report and the Environmental Identification Memorandum and will not be presented in a separate formalized submittal for public review.

AZTEC has received comments from the Maricopa County Environmental Program Branch regarding the Conceptual and Candidate Alternatives. The appropriate

revisions will be executed, and the documents will be resubmitted in advance of the next Scoping and Design Report submission.

The Environmental Identification Memorandum will be completed with the final Scoping and Design Report. This will identify needs during the final design including any design changes anticipated as well as any needs for updated or new studies. These will be used during the composition of the final design Environmental Assessment reevaluation. A detailed noise study will be completed during final design to be approved by both MCDOT and ADOT. Ms. Papa Konomi clarified that the public will have the opportunity to comment on the updated noise study during the final design.

10. Planning / ADA Compliance

No update.

11. Utilities (TY Lin)

A draft pothole list has been completed and will be updated as the design for the storm drain continues. Once the list is confirmed, TY Lin will coordinate with Brent Scott, MCDOT, regarding conducting the potholing.

TY Lin will also coordinate with Mr. Scott regarding APS prior rights.

12. Structures (TY Lin)

TY Lin has confirmed which conduits are needed on the bridge. Further coordination with the City of Peoria regarding design details will be conducted to ensure City requirements are met.

13. Geotechnical / Pavement Design (B&N)

No update.

14. Public and Stakeholder Involvement (Central Creative)

Traci Ruth, MCDOT, suggested a meeting be conducted with MCSO. Ms. Ruth or Chad Amos, MCDOT, should be contacted during coordination.

Flint Yale, Country Meadows 2 HOA president, submitted a petition and requested a field meeting. A letter with residents' signatures was sent to the City of Glendale regarding privacy concerns due to the anticipated improvements to the adjacent vacant parcel. The letter documents residents' request for a sound mitigation barrier between the community and Northern Avenue and residents' concerns about losing parking spaces. Mr. Markert noted that the HOA has suggested an alternative access option for residents and emergency responders to the neighborhood. Mr. Markert will notify the HOA that a meeting is viable. B&N will coordinate the scheduling of the field meeting. The public involvement materials developed for previous outreach events will be used for this meeting.

Mr. Amos noted the concern of a resident regarding potential impact to her property due to the Royal Palm Road extension. She will be provided a copy of the project meeting summary during which the Northern Parkway Program Partners decided that Royal Palm Road from 109th Avenue to 107th Avenue would not be moving forward as part of the Recommended Alternative. Mr. Markert will share the meeting summary with the resident and provide an update on the status of the property once 30% design is completed.

15. Right-of-Way (B&N)

Since the last progress meeting, Angela Manuel, City of Peoria, investigated the right-of-way encroachment on the north side of Northern Avenue between 106th Avenue and 104th Avenue but was unable to find any existing documentation allowing the encroachment. Tangella Diaz, MCRED, has requested title reports to identify if any easements or permits exist regarding the encroachment.

Mr. Adabala will investigate the completion of the annexation of the southwest corner of 107th Avenue to the City of Glendale. After the meeting, Mr. Adabala confirmed the annexation was adopted on June 9.

16. Aesthetics/Landscaping (J2)

Aesthetic options will be presented to stakeholders during the upcoming meeting scheduled for June 17.

Mr. Lemka suggested inviting TY Lin to the Aesthetics/Landscaping meeting to coordinate which conduits will be added to the bridge. Mr. Nissen will also be invited to the meeting.

17. Summary | Miscellaneous Items

Chuck Williams and Christopher Bradley, MCDOT, will be contacted regarding budgeting and scheduling, respectively, to be discussed in upcoming meetings.

18. Next Meeting

The next progress meeting is yet to be scheduled.

TT0600/T0188 01L Northern Parkway
Agua Fria River to 99th Avenue

PROGRESS MEETING 10 SIGN IN
6/9/2020

Contract No: 2018-036 **Project No: TT0600**

Initials	Name	Company/Section	Address with Zip Code	Phone	email
BM	Ben Markert	MCDOT PM	2901 West Durango Street Phoenix, AZ 85009	602-506-8651	ben.markert@maricopa.gov
NS	Nicolaas Swart	MCDOT Transportation Systems Division Manager	2901 West Durango Street Phoenix, AZ 85009	602-506-0599	nicolaas.swart@maricopa.gov
RD	Randy Dunsey	MCDOT Project Management	2901 West Durango Street Phoenix, AZ 85009	602-506-2166	randy.dunsey@maricopa.gov
AH	Angela Horn	MCDOT Systems Planning	2901 West Durango Street Phoenix, AZ 85009	602-506-4176	angela.horn@maricopa.gov
TR	Traci Ruth	MCDOT Communications and Outreach Manager	2901 West Durango Street Phoenix, AZ 85009	602-506-8628	traci.ruth@maricopa.gov
	Kimberly Katchur	MCDOT Communications	2901 West Durango Street Phoenix, AZ 85009	602-506-4051	kimberly.katchur@maricopa.gov
CA	Chad Amos	MCDOT Communications	2901 West Durango Street Phoenix, AZ 85009	602-506-8054	chad.amos@maricopa.gov
JC	Jimmy Camp	MCDOT Structures	2901 West Durango Street Phoenix, AZ 85009	602-506-4880	jimmy.camp@maricopa.gov
	Kelly Roy	MCDOT Utilities	2901 West Durango Street Phoenix, AZ 85009	602-506-8603	kelly.roy@maricopa.gov
	John Shi	MCDOT Materials	2901 West Durango Street Phoenix, AZ 85009	602-506-8658	john.shi@maricopa.gov
	Kimberly Richards	MCDOT Intergovernmental	2901 West Durango Street Phoenix, AZ 85009	602-506-1630	kimberly.richards@maricopa.gov
	~~Chad Ashe~~	~~MCDOT Intergovernmental~~	~~2901 West Durango Street~~ ~~Phoenix, AZ 85009~~	~~602-506-8674~~	~~chad.ashe@maricopa.gov~~
MPK	Marinela Papa Konomi	MCDOT Environmental	2901 West Durango Street Phoenix, AZ 85009	602-506-3994	marinela.papa.konomi@maricopa.gov
	David Fritz	MCDOT Roadway and Drainage	2901 West Durango Street Phoenix, AZ 85009	602-506-2826	david.fritz@maricopa.gov
AJ	Amy Jones	MCDOT Engineering	2901 West Durango Street Phoenix, AZ 85009	602-506-8115	amy.jones@maricopa.gov
	Michael Vespucci	MCDOT	2901 West Durango Street Phoenix, AZ 85009		michael.vespucci@maricopa.gov
BS	Brent Scott	MCDOT	2902 West Durango Street Phoenix, AZ 85009		brent.scott@maricopa.gov
TD	Tangella Diaz	MCRED	2801 West Durango Street Phoenix, AZ 85009	602-506-4883	tangella.diaz@maricopa.gov
	Pat Mertz	MCRED	2801 West Durango Street Phoenix, AZ 85009	602-506-4639	pat.mertz@maricopa.gov
	Mike Duncan	FCDMC	2801 West Durango Street Phoenix, AZ 85009	602-506-4732	mike.duncan@maricopa.gov

TT0600/T0188 01L Northern Parkway
Agua Fria River to 99th Avenue

PROGRESS MEETING 10 SIGN IN
6/9/2020

Contract No: 2018-036 **Project No: TT0600**

Initials	Name	Company/Section	Address with Zip Code	Phone	email
	Eric Prosnier	ADOT Project Management	205 S 17th Avenue, MD 614E Phoenix, AZ 85007	602-712-8495	EProsnier@azdot.gov
CL	Chris Lemka	City of Peoria	9875 N 85th Avenue Peoria, AZ 85345	623-773-7260	chris.lemka@peoriaaz.gov
	Daniel Kiel	City of Peoria	9875 N 85th Avenue Peoria, AZ 85345	623-773-7982	Daniel.Kiel@peoriaaz.gov
	Lisa Rodriguez	City of Peoria	9875 N 85th Avenue Peoria, AZ 85345		lisa.rodriguez@peoriaaz.gov
	Charles Andrews	City of Peoria	9875 N 85th Avenue Peoria, AZ 85345	623-773-7358	charles.andrews@peoriaaz.gov
	Adina Lund	City of Peoria	9875 N 85th Avenue Peoria, AZ 85345	623-773-7212	adina.lund@peoriaaz.gov
PA	Purab Adabala	City of Glendale	6210 W Myrtle Avenue, Suite 112 Glendale, AZ 85301	623-930-2926	padabala@glendaleaz.com
SC	Seth Chalmers	Dibble Engineering/ City of Glendale	7878 North 16th Street Suite 300 Phoenix, AZ 85020	602-363-1854	seth.chalmers@dibblecorp.com
	Bryce Christo	City of El Mirage	10000 North El Mirage Road El Mirage, AZ 85335	623-876-2974	bchristo@elmirageaz.gov
	John Bullen	MAG	302 North 1st Avenue, Suite 300 Phoenix, AZ 85003	602-254-6300	jbullen@azmag.gov
	Quinn Castro	MAG	302 North 1st Avenue, Suite 300 Phoenix, AZ 85003	602-254-6300	qcastro@azmag.gov
KM	Kristin Myers	MAG	302 North 1st Avenue, Suite 300 Phoenix, AZ 85003	602-452-5094	kmyers@azmag.gov
AS	Arminta Syed	MAG	302 North 1st Avenue, Suite 300 Phoenix, AZ 85003		asyed@azmag.gov
	James Pigg	El Paso Natural Gas Company	7776 S. Pointe Parkway West, Suite 185 Phoenix, AZ 85044	480-262-9337	james_pigg@kindermorgan.com
SW	Steve Weatherhead	El Paso Natural Gas Company	7776 S. Pointe Parkway West, Suite 185 Phoenix, AZ 85044	520-509-3265	steve_weatherhead@kindermorgan.com
JP	Jason Pagnard	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	602-244-8100 x5332	jason.pagnard@burgessniple.com
DL	David Lenzer	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	602-244-8100 x1502	david.lenzer@burgessniple.com
CA	Cynthia Alvarez	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	602-244-8100 x5320	cynthia.alvarez@burgessniple.com
JB	Jillian Barcena	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	602-244-8100 x5329	jillian.barcena@burgessniple.com
	Kristin Darr	Central Creative	24 W Camelback Rd #A-479 Phoenix, AZ 85013	602-368-9644	kristin@centralcreativeaz.com

TT0600/T0188 01L Northern Parkway
Agua Fria River to 99th Avenue

PROGRESS MEETING 10 SIGN IN
6/9/2020

Contract No: 2018-036 **Project No: TT0600**

Initials	*Name*	*Company/Section*	*Address with Zip Code*	*Phone*	*email*
JH	Justin Hoppmann	AZTEC Engineering	4561 E. McDowell Road Phoenix, AZ 85008	602-458-9261	jhoppmann@aztec.us
JP	James Philbin	J2 Engineering	4649 E Cotton Gin Loop Ste B2 Phoenix, AZ 85040	602-438-2221	jphilbin@j2design.us
AH	Adam Hawkins	J2 Engineering	4649 E Cotton Gin Loop Ste B2 Phoenix, AZ 85040	602-438-2221	ahawkins@j2design.us
	Dave Bruggeman	Lee Engineering	3610 N 44th St, Ste 100 Phoenix, AZ 85018	602-955-7206	dbruggeman@lee-eng.com
	James Barr	TY Lin International	60 E Rio Salado Parkway Ste 501 Tempe, AZ 85281	480-333-4405	James.Barr@tylin.com
BP	Brenan Poe	TY Lin International	60 E Rio Salado Parkway Ste 501 Tempe, AZ 85281	480-333-4168	brenan.poe@tylin.com
KLH	Kooi-Lim Hoe	TY Lin International	60 E Rio Salado Parkway Ste 501 Tempe, AZ 85281	480-333-4160	kooi-lim.hoe@tylin.com

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Northern Parkway
Agua Fria River to 99th Avenue
Project No. TT0600/TRACS No. T0188 01L

Progress Meeting 10 Agenda

Date of Meeting: June 9, 2020 – 10:00 a.m.

Meeting Location: Virtual Conference (meeting invite also contains link and instructions)
Join GoToMeeting Meeting
+1 571-317-3112
Meeting ID: 995 747 461

From: Ben Markert, MCDOT

Attendees: **Please identify yourself if you call in only**

1. **Welcome | Introductions**

2. **Review Action Items**
   - Action Items Review:

No.	Action Item	Responsible	Due Date	Completed	Status/Comments
26	Update noise analysis	AZTEC	TBD		Pending action item 33
29	Schedule Emergency Responders Meetings	B&N/City of Peoria	5/29/20		Adina and Chris will coordinate with Emergency Responders; B&N coordinating with the City of Glendale
31	Complete additional traffic analysis for 115th Ave traffic signal and western lane transition	B&N	4/30/20	5/18/2020	Received concurrence from MCDOT
32	Determine privacy wall height for residences in unincorporated county land	MCDOT	8/1/20		

No.	Action Item	Responsible	Due Date	Completed	Status/Comments
38	Develop Pothole list	TY Lin	6/1/20	5/29/20	Additional pothole requests to be determined as drainage design is finalized
39	Coordinate with private utility owners	TY Lin	7/6/20		
40	Coordinate with Angela Manuel regarding encroachments	B&N	5/20/20	5/7/20	Being investigated by City of Peoria
42	Provide input of landscape/ aesthetics	City of Glendale/City of Peoria	6/3/20		In progress;

3. Decisions

- Direction was received to include a right-turn lane for westbound traffic at 110th Avenue and not at 106th and 104th Avenues.
- Received concurrence from MCDOT on western terminus lane transitions.

4. Schedule

Milestone	Original Schedule	New Schedule	Actual Completion
Land Survey Complete	January 22, 2019	-	January 22, 2019
Consultant NTP	January 24, 2019	-	January 24, 2019
Design Criteria Approved	March 29, 2019	October 17, 2019	October 11, 2019
Conceptual Alternatives	August 30, 2019	-	August 30, 2019
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Recommended Alternative Selected	April 2, 2020	-	April 2, 2020
Prior Rights Information Obtained	August 21, 2020	-	-

Milestone	Original Schedule	New Schedule	Actual Completion
Draft SDR and Scoping Plan Submittal	August 21, 2020	-	-
Right-of-Way Identified	November 19, 2020	-	-
Environmental Identification Memorandum (EIM) Submittal	November 19, 2020	-	-
Technical Memoranda Complete	November 19, 2020	-	-
Final Scoping Document – 30% Scoping Plan Submittal	November 19, 2020	-	-
Scoping Approved	January 22, 2021	-	-

- ❑ Tasks Due this month/next month
  - None.
- ❑ Tasks Completed this month/last month
  - None.

5. **<u>Survey (MCDOT/B&N)</u>**
   - ❑ Additional request to be submitted in June.

6. **<u>Roadway (B&N)</u>**
   - ❑ General Update

7. **<u>Drainage (J2)</u>**
   - ❑ Proposed drainage system exhibit in progress

8. Traffic (B&N)

- ❑ Moving forward with additional conduits across the New River

9. Environmental (AZTEC)

- ❑ General Update

10. Planning / ADA Compliance

- ❑ General Update

11. Utilities (TY Lin)

- ❑ Potholing list distributed May 29
- ❑ Additional pothole requests to be determined as drainage design is finalized
- ❑ Meeting with private utilities will be scheduled in June/July

12. Structures (TY Lin)

- ❑ General Update

13. Geotechnical / Pavement Design (B&N)

- ❑ General Update

14. Public / Intergovernmental / Federal Involvement (MCDOT)

- ❑ Country Meadows 2 Field Meeting

15. Right-of-Way (B&N)

- ❑ Encroachment Update
- ❑ Development Update

16. Aesthetics/Landscaping (J2)

- ❑ Small group meeting in June

17. Summary | Miscellaneous Items

- ❑ Small group meetings in July for construction schedule and budgeting content for SDR

18. Adjourn | Next Meeting

- ❑ Progress Meeting – TBD

Maricopa County
Department of Transportation

2901 W. Durango Street
Phoenix, AZ 85009
Phone: 602-506-8600
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www.mcdot.maricopa.gov

Northern Parkway
Agua Fria River to 99th Avenue
Project No. TT0600/TRACS No. T0188 01L

Emergency Responders Meeting Summary

Distribution Date: June 23, 2020

Date of Meeting: June 16, 2020 – 2:00 p.m.

Meeting Location: Virtual Conference

From: Ben Markert, MCDOT

Attendees: **See attached sign-in sheet**

The following meeting notes for the Northern Parkway, Agua Fria River to 99th Avenue, project are for your information, use, and distribution. Please contact Ben Markert at (602) 506-8651 if you have comments or questions. The team list/sign-in sheet is also included following the notes. If there is any missing information or additions to the notes, please let me know. Thank you to everyone who participated in the meeting.

ACTION ITEMS

No.	Action Item	Responsible	Due Date	Completed	Status/Comments
51	Investigate median treatments	City of Glendale	7/3/20		

1. **Welcome | Introductions**

2. **Northern Parkway Projects Overview**
   David Lenzer provided an overview of the proposed improvements as part of MCDOT Project TT0600 Northern Parkway from Agua Fria River to 99th Avenue. Improvements include:
   - Additional lane in each direction
   - Raised median throughout the project length
     - Exception at signalized intersections including 115th Avenue, 111th Avenue (new), 107th Avenue, 103rd Avenue, and 99th Avenue.
     - The raised median will be 12 feet minimum and landscaped.

3. **Discussion**
   Gary Benson, City of Glendale Fire Department Chief of Operations indicated the following routes into the project area:
   - Along 99th Avenue from the north from the City of Peoria
   - Along 99th Avenue from the south from the City of Phoenix

- From Loop 101 and east of the project limits from the City of Glendale
- No units are coming from the west

Mr. Benson indicated the City of Glendale may respond to any call, regardless of jurisdiction due to involvement in Automatic Aid. Members of Automatic Aid are tracked via satellite and the nearest service contacted for response.

Attendees discussed circulation within the project area. Mr. Lenzer indicated that based on the proposed improvements, access will be restricted at the following locations along Northern Avenue due to the raised median:

- North: 112th, 110th, 106th, and 104th Avenues
- South: 110th, 109th, and 108th Avenues

Based on the access restrictions, considerations may need to be made for response times due to new routes into neighborhoods. Mr. Lenzer indicated median treatments such as rolled curb, dagmars, or battered curb can be implemented at select locations to allow access for Fire and Police services. These median treatments would be traversable for larger vehicles but discourage passenger vehicles from making the movement.

Purab Adabala, City of Glendale, will work with City Traffic Engineering staff and City of Glendale Fire and Police to identify median treatments. Examples such as Bell Road and 59th Avenue at Glendale Community College were identified as medians that are hard or cannot be traversed by emergency responders.

A suggestion was made to consider a traffic circle to allow access into the neighborhood. Mr. Lenzer explained that a traffic signal was not a suitable solution at this location due to the high volumes. Northern Avenue serves as the route for traffic from Northern Parkway at Loop 303 to Loop 101. The raised median allows for higher capacity and reduced conflict points.

Marc McCauslin, City of Glendale Police Traffic Lieutenant, indicated that Police response generally comes from the east to support Maricopa County Sheriff's Office (MCSO) and for crashes on Northern Avenue. This process differs from City of Glendale Fire Department in that an additional call needs to be made to City of Glendale Police allowing for response as part of Mutual Aid (Rural Metro).

A new signal was installed at 115th Avenue as part of the ongoing construction project (MCDOT Project TT0347). Emergency access for the landfill is provided at the south leg of this intersection.

Attendees discussed special events. There are no concerns in the area. The next Luke Air Force Base Luke Days is in 2022; 2020 was cancelled, but there are no impacts or considerations to be made within the project area.

Traffic at the State Farm Stadium for special events or football games and the Super Bowl only impact Northern Avenue to 99th Avenue. There is no concern in special event traffic related to construction.

Attendees discussed Country Meadows 2 Condominiums. A field meeting is being scheduled to discuss a petition from the HOA for a new wall and eliminated access points at Northern Avenue. Chuck Jenkins, City of Glendale Fire Marshall, indicated that the condominiums are within unincorporated Maricopa County therefore the decision on change in access would be deferred to Maricopa County. If the land was annexed to the City of Glendale, the condominiums would be required to tear down the wall and provide a secondary access. A suggestion was made to coordinate with the Arizona State Fire Marshall for requirements on number of access points.

The meeting was concluded and follow up will occur within the City of Glendale regarding median treatments.

TT0600/T0188 01L Northern Parkway
Agua Fria River to 99th Avenue

EMERGENCY SERVICES MEETING SIGN-IN
6/16/2020

Contract No: 2018-036 **Project No: TT0600**

Initials	*Name*	*Company/Section*	*Address with Zip Code*	*Phone*	*email*
BM	Ben Markert	MCDOT PM	2901 West Durango Street Phoenix, AZ 85009	602-506-8651	ben.markert@maricopa.gov
PA	Purab Adabala	City of Glendale	6210 W Myrtle Avenue, Suite 112 Glendale, AZ 85301	623-930-2926	padabala@glendaleaz.com
MM	Marc McCauslin	City of Glendale Police Traffic Lieutenant	6835 N 57th Dr Glendale, AZ 85301	602-361-9446	mmccauslin@glendaleaz.com
CC	Carrie Castrovinci	City of Glendale Police Lieutenant			ccastrovinci@glendaleaz.com
GB	Gary Benson	City of Glendale Fire Department Assitant Chief of Operations		623-930-4404	wbenson@glendaleaz.com
CJ	Chuck Jenkins	City of Glendale Fire Marshall		623-930-4421	cfjenkins@glendaleaz.com
DL	David Lenzer	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	602-244-8100 x1502	david.lenzer@burgessniple.com
CA	Cynthia Alvarez	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	602-244-8100 x5320	cynthia.alvarez@burgessniple.com

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Northern Parkway
Agua Fria River to 99th Avenue
Project No. TT0600/TRACS No. T0188 01L

Emergency Responders Meeting Agenda

Date of Meeting: June 16, 2020 – 2:00 p.m.

Meeting Location: Virtual Conference (meeting invite also contains link and instructions)
Join Microsoft Teams Meeting
+1 469-480-7169 (use for audio and mute your PC)
Conference ID: 919 447 669#

From: Ben Markert, MCDOT

Attendees: **Please identify yourself if you call in only**

1. **Welcome | Introductions**

2. **Northern Parkway Projects Overview**

3. **Discussion**
   - ❑ Median access treatments
   - ❑ Emergency response stations and routes
   - ❑ Special event traffic

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Northern Parkway
Agua Fria to 99th Avenue
Project no. TT0600

Private Owned Utility Meeting 2 Notes

Distribution Date: June 23, 2020

Date of Meeting: June 16, 2020 – 10:00 a.m.

Meeting Location: Conference Call

From: Ben Markert, MCDOT

Notes by: Brenan Poe, TY Lin International

Attendees: **See list of attendees below**

The following meeting notes for the Northern Parkway – Agua Fria to 99th Avenue project are for your information, use, and distribution. Please contact Ben Markert at (602) 506-8651 or Brenan Poe at (480) 356-0694 if you have comments or questions. The team list is shown below. If there is any missing information or additions to the notes, please let me know. Thank you to everyone who participated in the meeting.

Name	Organization
Ben Markert	MCDOT PM
Brent Scott	MCDOT Utility Coordinator
Mike Mayerhofer	EPNG
Steve Weatherhead	EPNG
Ramon Vega	EPNG
Anthony Patterson	SRP
Jason Hughes	SRP
Jeannie Mendoza	SRP
Armando Luevano	SRP
Bobby Garza	APS
Evan Carbonneau	Burgess & Niple
Brenan Poe	TY Lin

ACTION ITEMS

No.	Action Item	Responsible	Due Date	Completed	Status/Comments
1	Review pothole exhibit & provide additional locations if needed	EPNG/SRP/APS	7/14/20		Please provide comments to Brenan.poe@tylin.com
2	Provide record drawings for the 16" high pressure gas line near the New River Bridge	EPNG	6/16/20	6/16/20	
3	Send APS the preliminary relocations for review/comments	TY Lin	6/16/20	6/16/20	
4	Provide survey results for overhead 230 kV power for sag calculations	B&N/TY Lin	End July 2020		

NOTES

1. **Welcome | Introductions**

Team members were welcomed to the Northern Parkway – Agua Fria to 99th Avenue Private Owned Utility meeting.

2. **Utilities**

- Below is a list of Arizona Public Service (APS), El Paso Natural Gas (EPNG) and Salt River Project (SRP) owned utilities within the project limits:
    - The team reviewed the existing utility list and project roll plot. No revisions to the existing utility table were requested at this time. The team felt the list was comprehensive and was a good representation of each company's respective utilities within the project limits.

Utility Owner	Type of Facility	Likelihood to be impacted with the project
APS	12kV, 69kV and 230kV facilities	Numerous power poles will be removed to place power underground in the western portion of the project. Need to obtain vertical clearance requirement from APS for the 230 kV overhead power.
EPNG	16", 20" high pressure gas. Line inspection station	Line inspection station will not need to be relocated. Construction is anticipated to work around the high pressure gas lines and avoid relocation.
SRP Power	12kV	Minimal encroachment into project limits. Feeds Peoria sewer facility at NE quadrant of Northern Ave/New River.

- Design and Construction buffers
  - EPNG:
    - ◊ EPNG Engineers will want to know the lowest amount of cover that will exist over their high pressure pipe based on the proposed construction excavation. They can assess construction buffers once this information and pothole results are available. It was noted that this information may not be available until later stages of the Scoping phase or into the Final Design phase.
    - ◊ Steve Weatherhead will look for more detailed record drawing information on the 16" gas line near the proposed New River Bridge and send if available.
  - SRP:
    - ◊ Minimal construction occurs in the vicinity of SRP power. No conflicts are anticipated at this time; however this will be verified with SRP once potholes are completed.
  - APS:
    - ◊ New light poles need to be 50'-60' away from overhead power lines.
- Curb/Driveway access locations
  - Curb types, clearances for setup areas, loading requirements for trucks
    - ◊ EPNG: Existing access will need to be replaced in kind at the line inspection station.
    - ◊ SRP: Existing access will need to be replaced in kind. It is not anticipated to require relocation of SRP facilities with the project.
    - ◊ APS: APS will send the guidelines for access, turning radii, setup areas and allowable materials. Rosalio Fuentes with APS Maintenance will be engaged and included in future discussions.

- Relocation of Facilities
  - Land Rights
    - ◊ APS land rights will be verified at the Draft Scoping Level in August.
  - Review pothole list for additional needs
    - ◊ The pothole list was provided to the team and discussed. It was requested for utility owners to review and provide any other pothole locations that may need to be added.
  - Costs
    - ◊ Recent similar project unit costs will be utilized for the Draft Scoping submittal in August. Specialized items will be coordinated directly with the facility owner.
  - Schedule/Seasonal Constraints
    - ◊ APS will not allow outages for the 230 kV overhead lines.
    - ◊ The APS Transformer at the NW corner of 112th Ave and Northern Ave appears to be in conflict. The transformer powers the signal at Cemex and the City of Peoria lift station. The team will need to confirm if this facility needs to be relocated as an outage would be critical to the lift station.
    - ◊ Survey will be provided to APS for sag calculations.
- Future utility infrastructure and schedule.
  - EPNG: No future expansion plans are anticipated at this time. EPNG conducts internal inspections of the high pressure gas lines every 7 years.
  - SRP: No future expansion to the west is anticipated at this time.
  - APS: APS recently installed power from 112th and running to the west for a temporary signal at 115th Avenue.

3. <u>Summary | Miscellaneous Items</u>

- Other items
  - SRP asked if the project would adhere to the Buy America clause. Due to the federal funding Buy America will be a project requirement. SRP indicated long lead time to acquire materials through this clause which can take upwards of 25 weeks. This will need to be accounted for in the project schedule.
  - Schedule:
    - ◊ 25% design will be submitted to the team for review/comments in August 2020.
    - ◊ 30% design will be submitted to the team for review/comments in November 2020 which will conclude the Scoping Phase of the project. Final Design will begin within a few months of completion of the Scoping Phase.

- New Action Items
  - APS asked if new street lights were going to be installed on the south side of Northern Parkway. Lighting design will not be performed until Final Design. It is anticipated that lighting will be installed on both the north and the south side of Northern.

4. <u>Adjourn | Next Meeting</u>

- Subsequent meetings will be scheduled on a case by case basis as needed.

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Northern Parkway
Agua Fria River to 99th Avenue
Project No. TT0600/TRACS No. T0188 01L

Landscape and Aesthetics Meeting

Distribution Date: July 1, 2020

Date of Meeting: June 17, 2020 – 2:00 p.m.

Meeting Location: Virtual Conference

From: Ben Markert, MCDOT

Attendees: **See attached sign-in sheet**

The following meeting notes for the Northern Parkway, Agua Fria River to 99th Avenue, project are for your information, use, and distribution. Please contact Ben Markert at (602) 506-8651 if you have comments or questions. The team list/sign-in sheet is also included following the notes. If there is any missing information or additions to the notes, please let me know. Thank you to everyone who participated in the meeting.

ACTION ITEMS

No.	Action Item	Responsible	Due Date	Completed	Status/Comments
55	Develop Conceptual Estimates	J2	7/2/20		
56	Identify locations for Landscaping/ Aesthetics	B&N/Partners	7/15/20		

1. **Welcome | Introductions**

2. **Discussion**
   Adam Hawkins, J2, provided an overview of the palette of plant materials. Plant materials were identified based on plants found within the project area.

   Mr. Hawkins provided an overview of four concepts for bridge aesthetics. Koi Lim Hoe, TY Lin, suggested a consideration for the existing bridge capacity to support a 30-foot pillar as shown in Concept 1. Mr. Hawkins indicated the pillar height can be adjusted as necessary.

   Adina Lund, City of Peoria, indicated needing some time to review the information presented and inquired about cost estimates. Pedestrian lighting should be considered for each concept.

Mr. Hawkins presented nine concepts for Concrete Masonry Unit (CMU) walls. The focus is on pattern and scale; color will be discussed once a pattern and scale have been selected.

Mr. Hawkins presented three concepts for entry monumentation and wayfinding. Themes near the project area, such as at Park West, were used for inspiration. The entry monumentation on the west end will serve to alert drivers of the change in facility type. Entry monumentation on the east will serve as an entry gate to the City of Peoria. Mr. Hawkins indicated that cost estimates would vary based on the desired size of the entry monumentation.

Dan Nissen, City of Peoria, suggested a consideration be made for operation and maintenance costs and frequency of replacement. Mr. Hawkins indicated that this will vary by concept and materials selected.

Regarding landscaping, Ryan McCartney, City of Peoria, inquired about locations. David Lenzer, Burgess & Niple, indicated this has not been decided by the Project Partners but may include a landscaped median and adjacent to the sidewalk.

City of Peoria indicated a need to present options, with costs, to City Council. The City of Glendale will also need to present options to leadership.

A consideration should be made for additional conduit needed on the bridge for pedestrian lighting and bridge aesthetics.

Attendees discussed privacy walls. Attendees agreed on CMU walls instead of cast-in-place due to cost and uses of CMU in other locations. This will also facilitate incorporation of the same designs by developers. It is anticipated that existing walls within the City of Peoria will be replaced if they do not meet the 8-foot requirement. This is still being discussed with MCDOT regarding walls within unincorporated Maricopa County. Attendees stressed that walls and landscaping should be the same on both sides of Northern Avenue.

Timeline for review and input was discussed. J2 will develop conceptual cost estimates and share with the project partners. Input is anticipated in early August. Based on when input is received, the Scoping and Design Report may present alternatives with final decisions being made during final design.

Ben Markert, MCDOT, indicated no comments on the technical memorandum outline. The outline was sent to Mr. McCartney for review. After the meeting, Mr. McCartney suggested discussion of trail connectivity and re-establishing landscaping along the connection within the technical memorandum.

TT0600/T0188 01L Northern Parkway
Agua Fria River to 99th Avenue

LANDSCAPE AND AESTHETICS MEETING SIGN-IN
6/17/2020

Contract No: 2018-036 **Project No: TT0600**

Initials	Name	Company/Section	Address with Zip Code	Phone	email
BM	Ben Markert	MCDOT PM	2901 West Durango Street Phoenix, AZ 85009	602-506-8651	ben.markert@maricopa.gov
PA	Purab Adabala	City of Glendale	6210 W Myrtle Avenue, Suite 112 Glendale, AZ 85301	623-930-2926	padabala@glendaleaz.com
M	Max	City of Glendale			
	Fred Sanchez	City of Glendale	6210 W Myrtle Avenue, Suite 112 Glendale, AZ 85301	623-930-2654	fsanchez@glendaleaz.com
CL	Chris Lemka	City of Peoria	9875 N 85th Avenue Peoria, AZ 85345	623-773-7260	chris.lemka@peoriaaz.gov
AL	Adina Lund	City of Peoria	9875 N 85th Avenue Peoria, AZ 85345	623-773-7212	adina.lund@peoriaaz.gov
RM	Ryan McCartney	City of Peoria	9875 N 85th Avenue Peoria, AZ 85345		ryan.mccartney@peoriaaz.gov
CA	Charles Andrews	City of Peoria	9875 N 85th Avenue Peoria, AZ 85345	623-773-7358	charles.andrews@peoriaaz.gov
DN	Dan Nissen	City of Peoria	9875 N 85th Avenue Peoria, AZ 85345	623-773-7211	dan.nissen@peoriaaz.gov
JP	Jason Pagnard	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	602-244-8100 x5332	jason.pagnard@burgessniple.com
DL	David Lenzer	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	602-244-8100 x1502	david.lenzer@burgessniple.com
CA	Cynthia Alvarez	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	602-244-8100 x5320	cynthia.alvarez@burgessniple.com
AH	Adam Hawkins	J2 Engineering	4649 E Cotton Gin Loop Ste B2 Phoenix, AZ 85040	602-438-2221	ahawkins@j2design.us
KH	Kooi-Lim Hoe	TY Lin International	60 E Rio Salado Parkway Ste 501 Tempe, AZ 85281	480-333-4160	kooi-lim.hoe@tylin.com

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Project No. TT0600/TRACS No. T0188 01L

Landscape and Aesthetics Meeting

Date of Meeting: June 17, 2020 – 2:00 p.m.

Meeting Location: Virtual Conference (meeting invite also contains link and instructions)
Join Microsoft Teams Meeting
+1 469-480-7169
Conference ID: 786 690 826#

From: Ben Markert, MCDOT

Attendees: **Please identify yourself if you call in only**

1. **Welcome | Introductions**

2. **Discussion**
   - ❑ Landscape and Aesthetics Technical Memorandum Outline
     - Feedback
   - ❑ Plant Materials
     - Review the prepared plant materials exhibit
   - ❑ Bridge Aesthetics
     - Review the 4 concepts developed
       - Gateway
       - Architectural Pattern
       - Mountain Range
       - River Movement
   - ❑ Concrete Masonry Unit Screen Wall
     - Review the 9 concepts developed
       a. Pattern
       b. Scale
   - ❑ Entry Monumentation
     - Review the 3 concepts developed
     - Large Scale Monument proposed near or on Bridge
     - Additional reduced scale monuments proposed at both East and West end of project corridor.

3. **Additional Topics / Open Discussion**

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Project No. TT0600/TRACS No. T0188 01L

Country Meadows 2 Field Meeting

Distribution Date: June 30, 2020

Date of Meeting: June 23, 2020 – 9:30 a.m.

Meeting Location: Country Meadows 2

From: Ben Markert, MCDOT

Attendees: **See attached sign-in sheet**

The following meeting notes for the Northern Parkway, Agua Fria River to 99th Avenue, project are for your information, use, and distribution. Please contact Ben Markert at (602) 506-8651 if you have comments or questions. The team list/sign-in sheet is also included following the notes. If there is any missing information or additions to the notes, please let me know. Thank you to everyone who participated in the meeting.

ACTION ITEMS

No.	Action Item	Responsible	Due Date	Completed	Status/Comments
43	Coordinate proposed drainage improvements with City of Peoria, City of Glendale, and MCDOT	J2	6/26/20		

1. Welcome | Introductions

Flint Yale, HOA President, provided an overview of the petition sent to MCDOT and City of Glendale regarding a proposed entrance to the Country Meadows 2 Condominiums. The proposed entrance would use new Augusta Avenue and head north towards Northern Avenue. The road would then turn west and back south creating a u-turn configuration. This would require taking units on the north end of the property instead of the south end as shown in the TT0600 Recommended Alternative. The petition also proposes a block wall along Northern Avenue to mitigate noise. No gate would be provided at Northern Avenue.

2. Discussion

Attendees discussed access points for the Country Meadows 2 Condominiums. As it stands, the project proceeds with a new access point from the south at new Augusta Avenue. Representatives from the HOA, Mr. Yale and Jose, voiced their concerns with the shortage of parking and the need for an area for vehicle turnaround near the existing gate. Mr. Yale indicated there is currently about 1.4 parking spaces per unit. They suggested a roundabout/circle at the existing gate. From this discussion, a T turnaround was mentioned. Noise levels were also a concern for the community. Mr. Yale suggested a noise wall to reduce the excess noise.

Attendees agreed Northern Avenue ingress and egress is currently not safe. Mr. Yale added they do not want an access point at this location. No concerns were voiced about the proposed ingress/egress at new Augusta Avenue and 107th Avenue.

Mr. Yale discussed the proposed entrance into the community mentioned in the petition. It was understood that the north end of the community would be impacted the most by this design. The attendees discussed the impacts including right-of-way, drainage, circulation, and emergency response.

Mr. Yale vocalized concern about the low wall height on the east side of the property (next to potential two-story units on the other side of the eastern wall). Representatives from the city of Glendale, Purab Adabala, George Gehlert, and Jayme Chapin, mentioned the proposed development adjacent to the condominiums would no longer be a two-story apartment. This addressed Mr. Yale's concerns. Mr. Adabala mentioned the development was being brought to the city of Glendale today (June 23, 2020) for a vote.

Ms. Chapin requested a 42-foot wide minimum right-of-way along Augusta Avenue. Mr. Yale added that a gate and key pad would be required at the new Augusta Avenue. This would also require an area for vehicles to turnaround if they do not have access into the community.

Burgess & Niple, is currently evaluating drainage options including basins within the city of Glendale at 107th Avenue, Orangewood Avenue, and near New River. The current development site plan does not show a basin. B&N will follow up with the city of Glendale regarding the proposed drainage design and requirements for developers in the southwest parcel at 107th Avenue.

Attendees discussed the concerns heard from City of Glendale Emergency Responders during a meeting on June 16. This includes a requirement for two access points (access at Northern Avenue would be emergency access only) and concerns for fire trucks to make turn around movements within the property if this emergency access is not provided.

Attendees discussed remodeling a few of the units resulting in losing 2 to 4 units. Mr. Yale mentioned he owns 13 units in the community. It appears the utility meters are split into 4 units on the north and south side of the building. Two storage areas and dumpsters are located at the southern end of the community and should be considered during design of proposed Augusta Avenue and changes to circulation.

The field visited ended with everyone walking the site while Mr. Yale took measurements from the curb edge to help visualize the width of the new road. B&N will investigate options for vehicle turnaround at the north end of the community and at new Augusta Avenue.

TT0600/T0188 01L Northern Parkway
Agua Fria River to 99th Avenue

COUNTRY MEADOWS 2 FIELD MEETING SIGN-IN
6/23/2020

Contract No: 2018-036 **Project No: TT0600**

Initials	Name	Company/Section	Address with Zip Code	Phone	email
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	Traci Ruth	MCDOT Communications and Outreach Manager	2901 West Durango Street Phoenix, AZ 85009	602-506-8628	traci.ruth@maricopa.gov
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	Tangella Diaz	MCRED	2801 West Durango Street Phoenix, AZ 85009	602-506-4883	tangella.diaz@maricopa.gov
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GG	George Gehlert	City of Glendale	6210 W Myrtle Avenue, Suite 112 Glendale, AZ 85301	623-930-2597	ggehlert@glendaleaz.com
JC	Jayme Chapin	City of Glendale	6210 W Myrtle Avenue, Suite 112 Glendale, AZ 85301	623-930-3654	jchapin@glendaleaz.com
FY	Flint Yale	Country Meadows 2 HOA President		602-330-5284	fyale@aol.com
JP	Jason Pagnard	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	602-244-8100 x5332	jason.pagnard@burgessniple.com
	David Lenzer	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	602-244-8100 x1502	david.lenzer@burgessniple.com
CA	Cynthia Alvarez	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	602-244-8100 x5320	cynthia.alvarez@burgessniple.com

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Project No. TT0600/TRACS No. T0188 01L

Country Meadows 2 Field Meeting

Date of Meeting: June 17, 2020 – 2:30 a.m.

Meeting Location: Country Meadows 2

From: Ben Markert, MCDOT

Attendees: **Please identify yourself if you call in only**

1. **Welcome | Introductions**

2. **Discussion**
   - ❑ Adjacent Development
   - ❑ Community Access
   - ❑ Parking

3. **Additional Topics / Open Discussion**

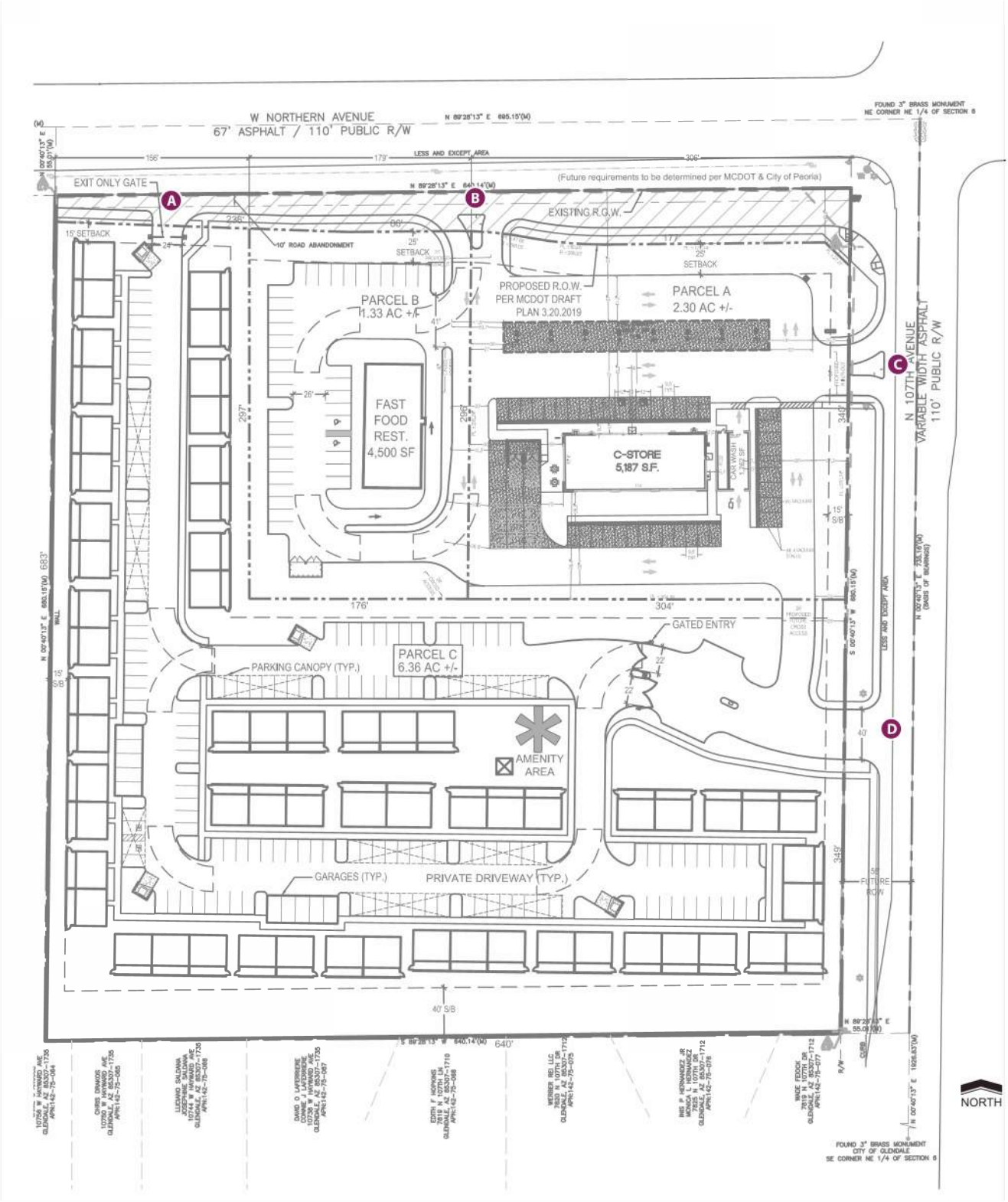
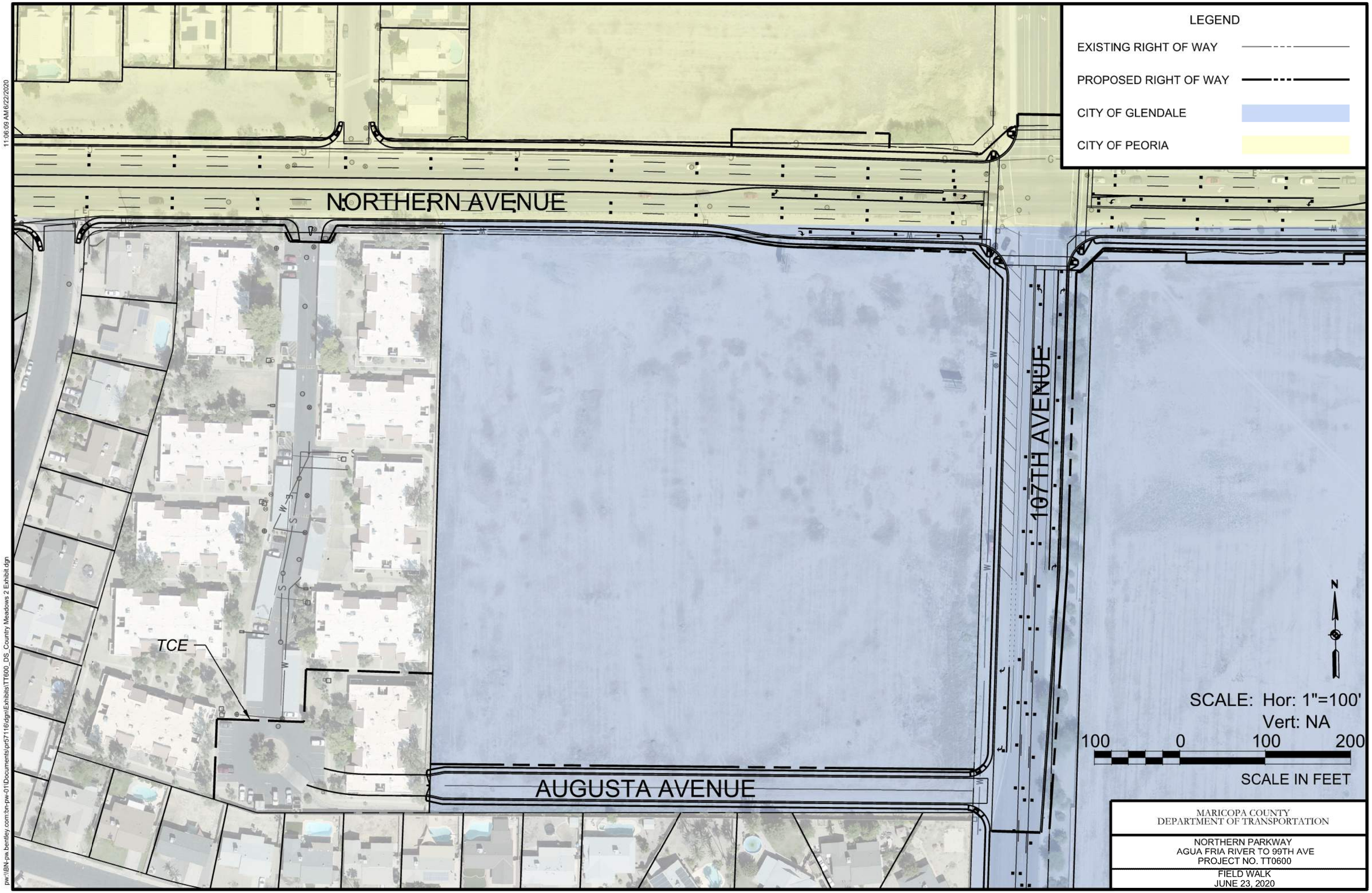


Figure 4: Site Plan and Access



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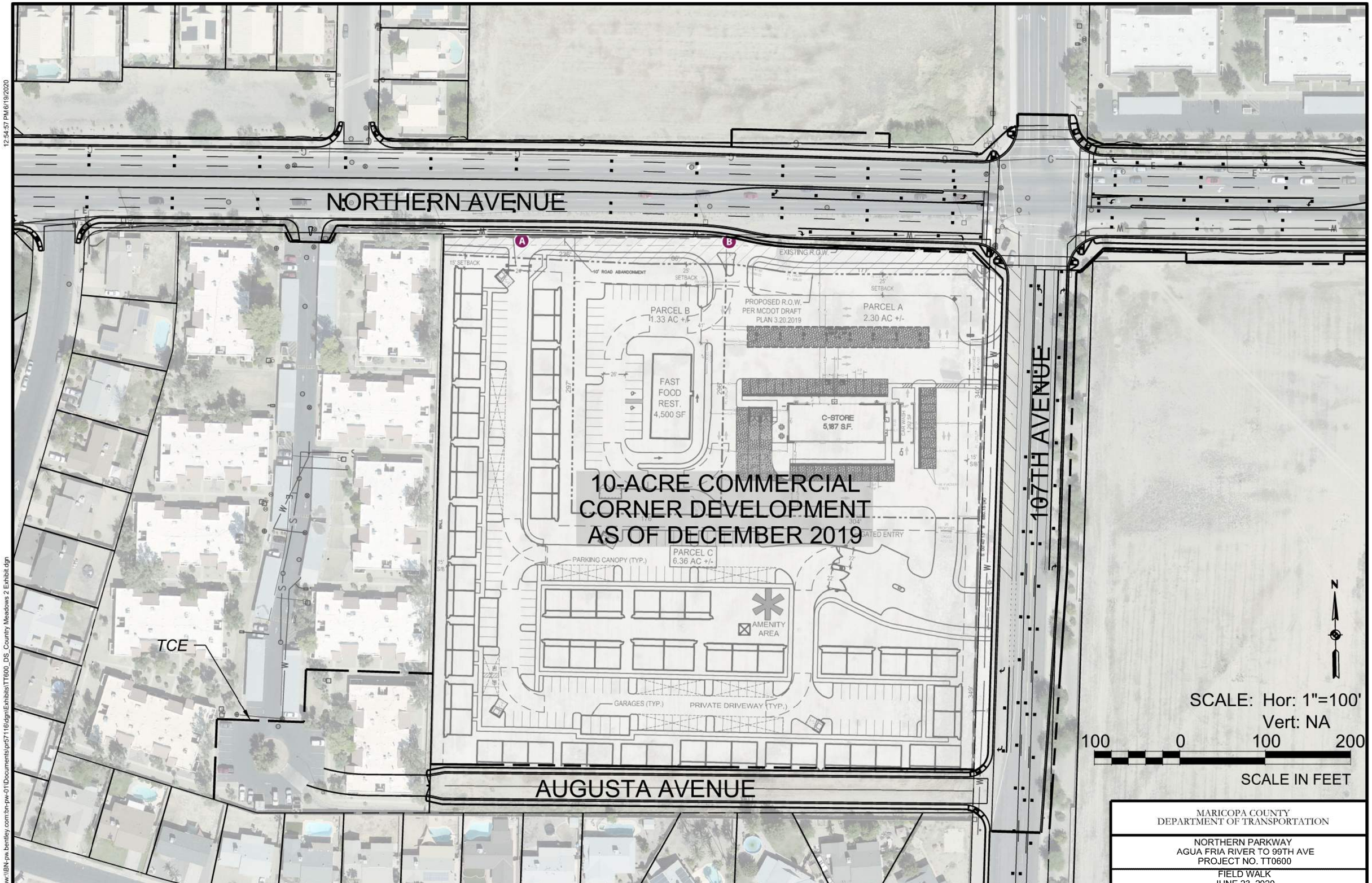
NORTHERN AVENUE
107TH AVENUE
AUGUSTA AVENUE
10-ACRE COMMERCIAL
CORNER DEVELOPMENT
AS OF DECEMBER 2019
PARCEL B
1.33 AC +/-
PARCEL A
2.30 AC +/-
PARCEL C
6.36 AC +/-
FAST
FOOD
REST.
4,500 SF
C-STORE
5,187 S.F.
PROPOSED R.O.W.
PER MCDOT DRAFT
PLAN 3.20.2019
EXISTING R.O.W.
15' SETBACK
10' ROAD ABANDONMENT
25' SETBACK
PARKING CANOPY (TYP.)
GATED ENTRY
AMENITY
AREA
GARAGES (TYP.)
PRIVATE DRIVEWAY (TYP.)
TCE
A
B
N
SCALE: Hor: 1"=100'
Vert: NA
100 0 100 200
SCALE IN FEET
MARICOPA COUNTY
DEPARTMENT OF TRANSPORTATION
NORTHERN PARKWAY
AGUA FRIA RIVER TO 99TH AVE
PROJECT NO. TT0600
FIELD WALK
JUNE 23, 2020
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Maricopa County
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Northern Parkway
Agua Fria River to 99th Avenue
Project No. TT0600/TRACS No. T0188 01L

Emergency Response Meeting Summary

Distribution Date: July 7, 2020

Date of Meeting: June 30, 2020 – 2:00 p.m.

Meeting Location: Virtual Conference

From: Ben Markert, MCDOT

Attendees: **See attached sign-in sheet**

The following meeting notes for the Northern Parkway, Agua Fria River to 99th Avenue, project are for your information, use, and distribution. Please contact Ben Markert at (602) 506-8651 if you have comments or questions. The team list/sign-in sheet is also included following the notes. If there is any missing information or additions to the notes, please let me know. Thank you to everyone who participated in the meeting.

ACTION ITEMS

No.	Action Item	Responsible	Due Date	Completed	Status/Comments
26	Update noise analysis	AZTEC	TBD		Marinela has coordinated with ADOT regarding noise analysis expectations
29	Schedule Emergency Responders Meetings	B&N/City of Peoria	5/29/20	6/11/20	Meeting with Glendale took place on 6/16/20 @ 2 pm; Meeting with MCSO took place on 7/30/20 @ 2 pm
32	Determine privacy wall height for residences in unincorporated county land	MCDOT	8/1/20		
39	Coordinate with private utility owners	TY Lin	7/6/20	6/10/20	Meeting took place on 6/16/20 @ 10 a.m.

No.	Action Item	Responsible	Due Date	Completed	Status/Comments
42	Provide input of landscape/ aesthetics	City of Glendale/City of Peoria	6/3/20	6/9/20	Meeting took place on 6/17/20 @ 2 p.m.
43	Coordinate proposed drainage improvements with City of Peoria, City of Glendale, and MCDOT	J2	6/26/20		
44	Determine City of Glendale pull box standards	B&N		6/17/20	
45	Coordinate potholing activities	TY Lin/ MCDOT	6/23/20		Pending 39
46	Follow up with APS regarding prior rights	TY Lin	6/16/20	6/23/20	Followed up at private utility meeting
47	Confirm City of Peoria design requirements	TY Lin			
48	Coordinate Country Meadows 2 Field Meeting	B&N	6/16/20		Meeting took place on 6/23/2020 @ 9:30 a.m.
49	Confirm annexation of parcel to City of Glendale	City of Glendale		6/16/2020	Annexation adopted on 6/9/2020

DECISIONS

- None

NOTES

1. **Welcome | Introductions**
   Team members were welcomed to the Northern Parkway, Agua Fria River to 99th Avenue, Progress Meeting 10. Meeting handouts included an agenda.

2. **Project Overview**

David Lenzer, Burgess & Niple, provided an overview of the Northern Parkway Program. The typical section and improvement limits were discussed.

Ben Markert, MCDOT, clarified that the vision for the Northern Parkway program, through discussions with the Project Partners, has been modified from a parkway to a major arterial, similar to Bell Road.

3. **Median Access Treatments**

Mr. Lenzer presented the median access treatment along Lake Pleasant Parkway as an example of what would be proposed within the project area. The area within the turnaround would not include any landscaping to allow vehicles to easily traverse the median.

Manual Madrid, Maricopa County Sheriffs Office(MCSO), expressed that the proposed curb would work well for the officers. He suggested that reflective markers be added at and before the turn around to indicate its location for the officers, especially at night. Chris Scott, MCSO, suggested that signage be included to discourage the public for using the turn around area. Mr. Scott also indicated that the signage also indicates to the officers that there is a turn around area approaching.

Mr. Madrid asked what the distance between the turn around areas would be. Mr. Lenzer explained that there are median breaks at signalized intersections, which are spaced about half a mile apart, and there would be turn around access either at the intersections or through the turnaround every quarter mile at the most. Mr. Madrid indicated that the spacing is plenty for MCSO, but the Fire Department may have more specific concerns due to the neighborhoods in the area.

4. **Emergency Response Stations and Routes**

Mr. Lenzer asked MCSO if they have a specific route that they take in the area. Mr. Madrid indicated that the officers do not follow a specific route to get to the project area.

5. **Special Event Traffic**

Mr. Lenzer asked if there were any special events that often occur in the project area, and if MCSO implemented any special measures during those events. Mr. Madrid indicated that traffic for Luke Days usually will back up into the project area, and that they will encourage those in the area not going to Luke Days to take an alternate route. He also expressed concerns with the additional delay Luke Days would cause during

construction. Once construction is complete, he did not anticipate any issues with the proposed improvements during special events.

6. Bridge Over New River

Mr. Markert asked MCSO if they have any concerns with maintaining vehicular access to the New River Trail. Mr. Madrid indicated that currently the officers use the vehicle gate, which they access with a shared key. He also indicated that if for some reason they aren't able to access the trail at Northern Avenue they can access it from other roads which intersect the New River. Mr. Lenzer indicated that a removable bollard along the trail would be implemented in the proposed design, which SWGas, City of Glendale, and the Sheriff's Office would be able to use to access the New River. The coordination will be on-going to ensure the proposed solution will work well for all that need to access the New River.

7. Summary | Miscellaneous Items

Mr. Madrid added that Northern Avenue is the boundary for MCSO District. He indicated the Shawn Braaten with District 2 would be contacted with the information presented in this meeting.

TT0600/T0188 01L Northern Parkway
Agua Fria River to 99th Avenue

EMERGENCY SERVICES MEETING SIGN-IN
7/30/2020

Contract No: 2018-036 **Project No: TT0600**

Initials	*Name*	*Company/Section*	*Address with Zip Code*	*Phone*	*email*
BM	Ben Markert	MCDOT PM	2901 West Durango Street Phoenix, AZ 85009	602-506-8651	ben.markert@maricopa.gov
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	Rich Bricklin	Maricopa County Sheriffs Office			R_Bricklin@MCSO.maricopa.gov
MM	Manuel Madrid	Maricopa County Sheriffs Office			M_Madrid@MCSO.maricopa.gov
	Brandon Rau	Maricopa County Sheriffs Office			B_Rau@MCSO.maricopa.gov
CS	Chris Scott	Maricopa County Sheriffs Office			C_Scott@MCSO.maricopa.gov
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DL	David Lenzer	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	602-244-8100 x1502	david.lenzer@burgessniple.com
	Cynthia Alvarez	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	602-244-8100 x5320	cynthia.alvarez@burgessniple.com
EC	Evan Carbonneau	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	602-244-8100 x5309	evan.carbonneau@burgessniple.com
EI	Eileen Imbus	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	602-244-8100 x5380	eileen.imbus@burgessniple.com

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Northern Parkway
Agua Fria River to 99th Avenue
Project No. TT0600/TRACS No. T0188 01L

Emergency Responders Meeting Agenda

Date of Meeting: July 30, 2020 – 2:00 p.m.

Meeting Location: Virtual Conference (meeting invite also contains link and instructions)
Join Microsoft Teams Meeting
+1 469-480-7169
Conference ID: 345 696 637#

From: Ben Markert, MCDOT

Attendees: **Please identify yourself if you call in only**

1. **Welcome | Introductions**

2. **Northern Parkway Projects Overview**

3. **Discussion**
   - ❑ Median access treatments
   - ❑ Emergency response stations and routes
   - ❑ Special event traffic

Maricopa County
Department of Transportation

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Northern Parkway
Agua Fria River to 99th Avenue
Project No. TT0600/TRACS No. T0188 01L

Progress Meeting 11 Summary

Distribution Date: August 20, 2020

Date of Meeting: August 13, 2020 – 2:00 p.m.

Meeting Location: Virtual Conference

From: Ben Markert, MCDOT

Attendees: **See attached sign-in sheet**

The following meeting notes for the Northern Parkway, Agua Fria River to 99th Avenue, project are for your information, use, and distribution. Please contact Ben Markert at (602) 506-8651 if you have comments or questions. The team list/sign-in sheet is also included following the notes. If there is any missing information or additions to the notes, please let me know. Thank you to everyone who participated in the meeting.

ACTION ITEMS

No.	Action Item	Responsible	Due Date	Completed	Status/Comments
26	Update noise analysis	AZTEC	TBD		MCDOT has coordinated with ADOT regarding noise analysis expectations
32	Determine privacy wall height for residences in unincorporated county land	MCDOT	8/1/20		
50	Discuss project programming with MCDOT	B&N	8/14/20		
53	Identify locations for landscaping/aesthetics	B&N/Partners	7/31/20		In progress; pending comments from Partners
54	Review proposed potholes	MCDOT	8/18/20		
55	Review proposed design for access to Country Meadows 2	MCDOT	8/27/20		

No.	Action Item	Responsible	Due Date	Completed	Status/Comments
56	Coordinate public outreach for potholing activities	B&N	8/27/20		
57	Coordinate ROW meeting regarding wall encroachments	B&N	8/27/20		

DECISIONS

- None

NOTES

1. **Welcome | Introductions**
   Team members were welcomed to the Northern Parkway, Agua Fria River to 99th Avenue, Progress Meeting 11. Meeting handouts included an agenda.

2. **Review Action Items**
   Action items were reviewed – updates, changes, and additions are as noted in the Action Items section.

3. **Review Decisions**
   Decisions made during prior phone calls, emails, and meetings were reviewed.

4. **Schedule**
   The project schedule was reviewed.

   Three weeks shall be provided for the Draft SDR and Scoping Plan review period. Comments are due on September 11, 2020.

   The following is the anticipated schedule based on the available information:

Milestone	Original Schedule	New Schedule	Actual Completion
Land Survey Complete	January 22, 2019	-	January 22, 2019
Consultant NTP	January 24, 2019	-	January 24, 2019
Design Criteria Approved	March 29, 2019	October 17, 2019	-
Conceptual Alternatives	August 30, 2019	-	August 30, 2019
Conceptual Alternatives Approved	September 20, 2019	-	September 23, 2019
Public Hearing	February 27, 2020	February 25, 2020	-
IGA Completed	TBD	-	-
Candidate Alternatives	January 17, 2020	-	January 17, 2020

Milestone	Original Schedule	New Schedule	Actual Completion
Candidate Alternatives Approved	February 7, 2020	-	February 7, 2020
Recommended Alternative Selected	April 2, 2020	-	April 2, 2020
Prior Rights Information Obtained	August 21, 2020	-	-
Draft SDR and Scoping Plan Submittal	August 21, 2020	-	-
Right-of-Way Identified	November 19, 2020	-	-
Environmental Identification Memorandum (EIM) Submittal	November 19, 2020	-	-
Technical Memoranda Complete	November 19, 2020	-	-
Final Scoping Document – 30% Scoping Plan Submittal	November 19, 2020	-	-
Scoping Approved	January 22, 2021	-	-

- Tasks Due this month/next month
  - Obtain Prior Rights Information
  - Draft Scoping Document and Plans submittal
- Tasks Completed this month/last month
  - None

5. **<u>Survey (MCDOT/B&N)</u>**
   Burgess & Niple received the requested supplemental survey on July 16, 2020.

6. **<u>Roadway (B&N)</u>**
   The Draft Scoping plans and reports will be submitted on August 21, 2020. The package will include 25% plans and various technical memorandums by discipline. David Lenzer, B&N, has emailed the Project Partners to identify if hard copies are desired.

   B&N held meetings with City of Glendale emergency responders and Maricopa County Sheriff's Office to discuss potential design modifications. The City of Peoria coordinated with their emergency responders. Coordination is ongoing regarding median treatments options to accommodate emergency responder vehicles.

   A field walk was held in June to discuss access at Country Meadows 2 Condominiums. B&N provided Ben Markert, MCDOT, an exhibit depicting potential designs at Country

Meadows 2 based on the discussion at the field walk. MCDOT will review the options for providing access to Country Meadows 2.

7. **Drainage (J2)**
J2 reviewed potential drainage basin locations. The drainage design was separated into the following three sections:

- West of 107th Avenue;
- East of 107th Avenue; and
- 107th Avenue.

West of 107th Avenue, water will be routed to a new basin at about 114th Avenue and ultimately to the Agua Fria River. The extension of the basin at 111th Avenue is no longer recommended. East of 107th Avenue, water will be routed to a new basin adjacent to the New River and ultimately to the New River. A technical memorandum was sent to the Project Partners presenting two options for drainage at 107th Avenue. Option 1 maintains the existing conditions with water conveying south to Orangewood Avenue along an earthen ditch. Option 2 proposes changes to the existing drainage system include storm drain and catch basins. The 25% plans that will be submitted on August 21 will depict Option 1. J2 is looking for input from the Project Partners regarding the preferred drainage option.

8. **Traffic (B&N)**
B&N will be collecting traffic counts at 115th Avenue in September. Results of the traffic counts will be incorporated in the Final Scoping.

9. **Environmental (AZTEC)**
Attendees were informed that the draft EIM is nearly complete. Attendees were reminded that the ADOT Noise Abatement requirements are being followed will be referenced during the preparation of the environmental report.

10. **Planning / ADA Compliance**
No update.

11. **Utilities (TY Lin)**
157 potholes have been identified in 111 locations which are estimated to cost a total of $75,000. The list must be reviewed and may be reduced if necessary. Brent Scott, MCDOT, clarified that there is a high number of locations due to the length of the project and the need to pothole at every storm drain and utility crossing. Traffic impacts and necessary traffic control will be considered as potholing is coordinated. The city of Peoria requested a meeting to coordinate public outreach efforts regarding potholing activities and potential impact to the public. B&N will set up a meeting to coordinate including Chad Amos with MCDOT Communications. The City of Glendale will also be looking for public outreach materials to communicate potholing activity to the public.

Attendees were informed that no APS prior rights will be provided until Final Design per APS policy. Brenan Poe, TY Lin, may be contacted for further information.

12. Structures (TY Lin)

Comments regarding structures within the project area should be directed to TY Lin.

13. Geotechnical / Pavement Design (B&N)

No update.

14. Public and Stakeholder Involvement (Central Creative)

Coordination shall be conducted with the public, city councils, and commercial entities within the project area regarding upcoming potholing activities.

15. Right-of-Way (B&N)

No information provided by title reports nor the city of Peoria documented the existing walls being permitted to encroach within public right-of-way between 106th Avenue and 104th Avenue. The walls are not anticipated to be impacted as part of the roadway design. The city of Peoria will need to contact homeowners if walls are replaced. Wall impacts will be discussed in the draft scoping report, and associated costs shall be included in the cost estimate.

B&N will coordinate a meeting with MCDOT and Adina Lund, Chris Lemka, and Dan Nissen of the city of Peoria.

16. Aesthetics/Landscaping (J2)

All conceptual aesthetic options will be presented in the Landscape and Aesthetics Technical Memorandum. Comments have been received from the city of Peoria and will be implemented in the Draft Scoping submittal.

17. Summary | Miscellaneous Items

None.

18. Next Meeting

The next progress meeting is yet to be scheduled.

TT0600/T0188 01L Northern Parkway
Agua Fria River to 99th Avenue

PROGRESS MEETING 11 SIGN IN
8/13/2020

Contract No: 2018-036 **Project No: TT0600**

Initials	Name	Company/Section	Address with Zip Code	Phone	email
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MPK	Marinela Papa Konomi	MCDOT Environmental	2901 West Durango Street Phoenix, AZ 85009	602-506-3994	marinela.papa.konomi@maricopa.gov
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BS	Brent Scott	MCDOT	2902 West Durango Street Phoenix, AZ 85009		brent.scott@maricopa.gov
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TT0600/T0188 01L Northern Parkway
Agua Fria River to 99th Avenue

PROGRESS MEETING 11 SIGN IN
8/13/2020

Contract No: 2018-036 **Project No: TT0600**

Initials	Name	Company/Section	Address with Zip Code	Phone	email
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	Charles Andrews	City of Peoria	9875 N 85th Avenue Peoria, AZ 85345	623-773-7358	charles.andrews@peoriaaz.gov
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DL	David Lenzer	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	602-244-8100 x1502	david.lenzer@burgessniple.com
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	Evan Carbonneau	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	602-244-8100 x5309	evan.carbonneau@burgessniple.com
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TT0600/T0188 01L Northern Parkway
Agua Fria River to 99th Avenue

PROGRESS MEETING 11 SIGN IN
8/13/2020

Contract No: 2018-036 **Project No: TT0600**

Initials	*Name*	*Company/Section*	*Address with Zip Code*	*Phone*	*email*
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	Galen Drake	J2 Engineering	4649 E Cotton Gin Loop Ste B2 Phoenix, AZ 85040	602-438-2221	gdrake@j2design.us
AH	Adam Hawkins	J2 Engineering	4649 E Cotton Gin Loop Ste B2 Phoenix, AZ 85040	602-438-2221	ahawkins@j2design.us
	Dave Bruggeman	Lee Engineering	3610 N 44th St, Ste 100 Phoenix, AZ 85018	602-955-7206	dbruggeman@lee-eng.com
	James Barr	TY Lin International	60 E Rio Salado Parkway Ste 501 Tempe, AZ 85281	480-333-4405	James.Barr@tylin.com
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KLH	Kooi-Lim Hoe	TY Lin International	60 E Rio Salado Parkway Ste 501 Tempe, AZ 85281	480-333-4160	kooi-lim.hoe@tylin.com

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Northern Parkway
Agua Fria River to 99th Avenue
Project No. TT0600/TRACS No. T0188 01L

Progress Meeting 11 Agenda

Date of Meeting: August 13, 2020 – 2:00 p.m.

Meeting Location: Virtual Conference (meeting invite also contains link and instructions)
Join GoToMeeting Meeting
+1 (408) 650-3123
Meeting ID: 159 416 045

From: Ben Markert, MCDOT

Attendees: **Please identify yourself if you call in only**

1. **Welcome | Introductions**

2. **Review Action Items**
   - Action Items Review:

No.	Action Item	Responsible	Due Date	Completed	Status/Comments
26	Update noise analysis	AZTEC	TBD		MCDOT has coordinated with ADOT regarding noise analysis expectations
29	Schedule Emergency Responders Meetings	B&N/City of Peoria	5/29/20	6/11/20	Glendale meeting held on 6/16/20; MCSO meeting held on 7/30/20
32	Determine privacy wall height for residences in unincorporated county land	MCDOT	8/1/20		In progress; being coordinated with aesthetics discussions
39	Coordinate with private utility owners	TY Lin	7/6/20	6/10/20	Meeting held on 6/16/20
42	Provide input of landscape/ aesthetics	City of Glendale/City of Peoria	6/3/20	6/9/20	Meeting held on 6/17/20

No.	Action Item	Responsible	Due Date	Completed	Status/Comments
43	Coordinate proposed drainage improvements with City of Peoria, City of Glendale, and MCDOT for 107th	J2	6/26/20	6/11/20	
44	Determine City of Glendale pull box standards	B&N	6/19/20	6/17/20	
45	Coordinate potholing activities	TY Lin/ MCDOT	6/23/20	6/23/20	
46	Follow up with APS regarding prior rights	TY Lin	6/26/20	6/23/20	Completed at private utility meeting
47	Confirm City of Peoria conduit design requirements	TY Lin	7/10/20	7/1/20	
48	Coordinate Country Meadows 2 Field Meeting	B&N	6/26/20	6/23/20	Meeting held on 6/23/2020
49	Confirm annexation of parcel to City of Glendale	City of Glendale	6/19/20	6/16/2020	Annexation adopted on 6/9/2020
50	Discuss project programming with MCDOT	B&N	8/14/20		
51	Investigate median treatments	City of Glendale	7/3/20	6/17/20	
52	Develop conceptual landscaping estimates	J2	7/2/20	7/9/20	
53	Identify locations for landscaping/ aesthetics	B&N/Partners	7/31/20		In progress; pending comments from Partners

3. <u>Decisions</u>

- Direction was received to include a right-turn lane for westbound traffic at 110th Avenue and not at 106th and 104th Avenues.
- Received concurrence from MCDOT on western terminus lane transitions.
- Direction was received for median treatments for emergency response.

4. Schedule

Milestone	Original Schedule	New Schedule	Actual Completion
Land Survey Complete	January 22, 2019	-	January 22, 2019
Consultant NTP	January 24, 2019	-	January 24, 2019
Design Criteria Approved	March 29, 2019	October 17, 2019	October 11, 2019
Conceptual Alternatives	August 30, 2019	-	August 30, 2019
Conceptual Alternatives Approved	September 20, 2019	-	September 23, 2019
Public Hearing	February 27, 2020	February 25, 2020	February 25, 2020
IGA Completed	TBD	-	-
Candidate Alternatives	January 17, 2020	-	January 17, 2020
Candidate Alternatives Approved	February 7, 2020	-	February 7, 2020
Recommended Alternative Selected	April 2, 2020	-	April 2, 2020
Prior Rights Information Obtained	August 21, 2020	-	-
Draft SDR and Scoping Plan Submittal	August 21, 2020	-	-
Right-of-Way Identified	November 19, 2020	-	-
Environmental Identification Memorandum (EIM) Submittal	November 19, 2020	-	-
Technical Memoranda Complete	November 19, 2020	-	-
Final Scoping Document – 30% Scoping Plan Submittal	November 19, 2020	-	-
Scoping Approved	January 22, 2021	-	-

- ❑ Tasks Due this month/next month
  - Obtain Prior Rights Information
  - Draft Scoping Document and Plans submittal
- ❑ Tasks Completed this month/last month
  - None.

5. Survey (MCDOT/B&N)

- ❑ Supplemental survey received July 16

6. <u>Roadway (B&N)</u>

- ❑ Draft Scoping Submittal on August 21
  - Plans and Reports
  - Hard copies
- ❑ Median Treatments for Emergency Response
- ❑ Country Meadows 2 Access

7. <u>Drainage (J2)</u>

- ❑ General Update
- ❑ 107th Avenue Drainage
- ❑ Drainage Basin Locations

8. <u>Traffic (B&N)</u>

- ❑ General Update
- ❑ Counts at 115th Avenue

9. <u>Environmental (AZTEC)</u>

- ❑ General Update

10. <u>Planning / ADA Compliance</u>

- ❑ General Update

11. <u>Utilities (TY Lin)</u>

- ❑ General Update

12. Structures (TY Lin)

- General Update

13. Geotechnical / Pavement Design (B&N)

- General Update

14. Public / Intergovernmental / Federal Involvement (MCDOT)

- General Update

15. Right-of-Way (B&N)

- General Update
- Encroachment Update

16. Aesthetics/Landscaping (J2)

- General Update
- Input Received

17. Summary | Miscellaneous Items

- General Update

18. Adjourn | Next Meeting

- Progress Meeting – TBD

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Northern Parkway
Agua Fria River to 99th Avenue
Project No. TT0600/TRACS No. T0188 01L

SWC 107th Avenue Meeting Summary

Distribution Date: October 21, 2020

Date of Meeting: September 29, 2020 – 2:00 p.m.

Meeting Location: Virtual Conference

From: Ben Markert, MCDOT

Attendees: **See attached sign-in sheet**

The following meeting notes for the Northern Parkway, Agua Fria River to 99th Avenue, project are for your information, use, and distribution. Please contact Ben Markert at (602) 506-8651 if you have comments or questions. The team list/sign-in sheet is also included following the notes. If there is any missing information or additions to the notes, please let me know. Thank you to everyone who participated in the meeting.

ACTION ITEMS

No.	Action Item	Responsible	Due Date	Completed	Status/Comments
58	Develop exhibit depicting turn around in Condominiums	B&N	10/14/20	10/14/20	

DECISIONS

- Augusta Avenue to have 45-foot right-of-way and include sidewalk on one side only.

NOTES

1. **Welcome | Introductions**
   Team members were welcomed to the Northern Parkway, Agua Fria River to 99th Avenue, SWC 107th Avenue Meeting. Meeting handouts included an agenda and exhibit.

2. **Right-of-Way Requirements**

The City of Glendale confirmed the site plan shown on the exhibit is the latest. Drainage from the development is being accommodated via underground storage designed for the 100-year, 2-hour storm.

The development was designed based on the 2010 Design Concept Report which showed a 40-foot drainage easement on the south side of the parcel and basin on the southeast corner. The City of Glendale confirmed that the development only includes one-story residences on the perimeter.

Augusta Avenue is to be designed using the City of Glendale Residential Typical section which includes a 50-foot right-of-way. Sidewalk can be eliminated on one side of the roadway to reduce impacts resulting in a 45-foot right-of-way. Tony Abbo, city of Glendale, suggested the south side can be removed since access is not being provided to the residences to the south. If the sidewalk on the north is removed, this would eliminate the need for pedestrians to cross the turnaround area as currently designed.

Drainage from the condominiums could be routed into a ditch along Augusta Avenue to the south, possibly to the Orangewood Avenue basin. This would require additional right-of-way. Jayme Chapin, city of Glendale, indicated the ditch along the east side of 107th Avenue is privately maintained; possibly by Glen Harbor Business Park. The City of Glendale would also allow drainage to flow onto Augusta Avenue if City guidelines, which require the 10-year storm below the top of curb, are met. Drainage will need to be resolved at this area soon and vetted with landscaping at 107th Avenue.

Ms. Chapin suggested a small basin at the current location of the condominium for onsite drainage. This would require maintenance by the HOA. Maintenance equipment is stored on the south side of the site; this will need to be considered during design.

3. **Condominium Turn Around Location**

The current design shows the turnaround location outside of the condominium property. The Project Team is investigating the impacts to include the turnaround area and key pad within the condominium property. If this occurs, the HOA would need to assume maintenance of the paved areas west of the parcel boundary. Ms. Chapin indicated that it is common for the key pad and turnaround area to be within private right-of-way within the city of Glendale. This will need to be discussed by MCDOT and MCRED. B&N will develop an exhibit to assist in the discussion. Ms. Chapin suggested reviewing the city of Chandler detail for the turnaround area. Mr. Abbo provided this detail to the design team.

MCDOT indicated preference to keep construction of the turn around area as part of TT0600 Final Design. MCRED indicated that there are benefits if it is constructed by a third party hired by the HOA as the County would not be presumed to warranty the

work. Purab Adabala, city of Glendale, indicated it is important that these are constructed simultaneously due to access impacts at Northern Avenue.

4. <u>Summary | Miscellaneous Items</u>

B&N to confirm that all roadway design fits within the available right-of-way on the north side of Northern Avenue; this includes the traffic signals. Ben Markert, MCDOT, will schedule a meeting with the developer to provide an update on the TT0600 design.

Ms. Chapin indicated that her inclination is for Option 2 of the June 26th 107th Avenue drainage memo.

TT0600/T0188 01L Northern Parkway
Agua Fria River to 99th Avenue

107TH AVENUE SWC MEETING SIGN-IN
9/29/2020

Contract No: 2018-036 **Project No: TT0600**

Initials	Name	Company/Section	Address with Zip Code	Phone	email
BM	Ben Markert	MCDOT PM	2901 West Durango Street Phoenix, AZ 85009	602-506-8651	ben.markert@maricopa.gov
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	Randy Dunsey	MCDOT Project Management	2901 West Durango Street Phoenix, AZ 85009	602-506-2166	randy.dunsey@maricopa.gov
TD	Tangella Diaz	MCRED	2801 West Durango Street Phoenix, AZ 85009	602-506-4883	tangella.diaz@maricopa.gov
PA	Purab Adabala	City of Glendale	6210 W Myrtle Avenue, Suite 112 Glendale, AZ 85301	623-930-2926	padabala@glendaleaz.com
GG	George Gehlert	City of Glendale	6210 W Myrtle Avenue, Suite 112 Glendale, AZ 85301	623-930-2597	ggehlert@glendaleaz.com
JC	Jayme Chapin	City of Glendale	6210 W Myrtle Avenue, Suite 112 Glendale, AZ 85301	623-930-3654	jchapin@glendaleaz.com
TA	Tony Abbo	City of Glendale	6210 W Myrtle Avenue, Suite 112 Glendale, AZ 85301		tabbo@glendaleaz.com
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DL	David Lenzer	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	602-244-8100 x1502	david.lenzer@burgessniple.com
CA	Cynthia Alvarez	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	602-244-8100 x5320	cynthia.alvarez@burgessniple.com

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Northern Parkway
Agua Fria River to 99th Avenue
Project No. TT0600/TRACS No. T0188 01L

107th Avenue SWC Meeting Agenda

Date of Meeting: September 29, 2020 – 2:00 p.m.

Meeting Location: Virtual Conference (meeting invite also contains link and instructions)
Join Microsoft Teams Meeting
+1 469-480-7169
Conference ID: 632 845 821#

From: Ben Markert, MCDOT

Attendees: **Please identify yourself if you call in only**

1. **Welcome | Introductions**

2. **Right-of-Way Requirements**
   - ❑ Northern Avenue
   - ❑ Augusta Avenue Cross Section
   - ❑ Drainage
     - i. Condominium
     - ii. Augusta Avenue
     - iii. Site

3. **Condominium Turn Around Location**

4. **Next Steps**

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Northern Parkway
Agua Fria River to 99th Avenue
Project No. TT0600/TRACS No. T0188 01L

ITS Meeting Summary

Distribution Date: October 21, 2020

Date of Meeting: October 5, 2020 – 9:00 a.m.

Meeting Location: Virtual Conference

From: Ben Markert, MCDOT

Attendees: **See attached sign-in sheet**

The following meeting notes for the Northern Parkway, Agua Fria River to 99th Avenue, project are for your information, use, and distribution. Please contact Ben Markert at (602) 506-8651 if you have comments or questions. The team list/sign-in sheet is also included following the notes. If there is any missing information or additions to the notes, please let me know. Thank you to everyone who participated in the meeting.

ACTION ITEMS

No.	Action Item	Responsible	Due Date	Completed	Status/Comments
59	Develop ITS Exhibit	B&N	10/19/20	10/6/20	
60	Develop list of IGA needs regarding ITS and send to MCDOT	B&N	10/28/20		
61	Provide feedback on ITS needs	ADOT/MAG	10/28/20		

DECISIONS

- None

NOTES

1. **Welcome | Introductions**
   Team members were welcomed to the Northern Parkway, Agua Fria River to 99th Avenue, ITS Meeting.

2. **ITS Coordination**
   The city of Peoria uses a standard bundle of four 1 ¼ inch cables in a 6-inch sleeve. The city of Peoria has an agreement in place with the Peoria Unified School District (PUSD) to establish fiber connections along Northern Avenue. Steve McKenzie, city of Peoria, indicated the city of Peoria would like connectivity between Loop 303 and Loop

101 and would like a transition connection over the New River bridge. It is intended that the four conduits would be used as follows:

1. City of Peoria ITS/Traffic
2. Regional Use
3. PUSD
4. Spare

The city of Peoria indicated that conduits 1 and 4 could be in the same pull box and conduit 3 would be in its own pull box. The need for separate pull boxes for conduit 2 will be determined based on its use and the resulting Intergovernmental Agreement (IGA). Peoria will not assume operation and maintenance responsibilities for non-Peoria conduit or pull boxes.

The city of Glendale uses a standard bundle of two 4-inch cables; one for city of Glendale and the other for regional use. After the meeting Stin Weber, city of Glendale, indicated that three 3-inch conduit were installed from Sarival Road to Litchfield Road and should also be installed within the project area. The connection would also require separated pull boxes for city of Glendale and the spare/regional use.

Attendees discussed the conduit being installed as part of MCDOT Project TT0347 on the Agua Fria River. The sealed plans indicate two sets of three 3-inch conduit will be installed along the bridge. After the meeting it was confirmed that MCDOT Project TT0427 will install two sets of three 3-inch conduit on the west approach to the bridge.

There is an existing IGA for the Northern Parkway Program (December 2008) that indicates MCDOT is responsible for operation and maintenance costs for ITS infrastructure. Attendees agreed that a new IGA is necessary or the existing one is to be amended based on the findings of MCDOT Project TT0600. B&N will develop a list of items to be included in the IGA and will send to Ben Markert, MCDOT.

Tafwachi Katapa, ADOT, will coordinate with ADOT staff for any ITS infrastructure needs within the project area. Kristin Meyers, MAG, and Eric Nava, MAG, are meeting with Ryan Gish, MAG, to discuss MAG ITS infrastructure needs within the corridor.

B&N will develop a proposed ITS concept exhibit to facilitate discussions on ITS needs.

3. <u>Summary | Miscellaneous Items</u>

None.

TT0600/T0188 01L Northern Parkway
Agua Fria River to 99th Avenue

ITS MEETING SIGN-IN
10/5/2020

Contract No: 2018-036 **Project No: TT0600**

Initials	Name	Company/Section	Address with Zip Code	Phone	email
BM	Ben Markert	MCDOT PM	2901 West Durango Street Phoenix, AZ 85009	602-506-8651	ben.markert@maricopa.gov
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	Susan Anderson	ADOT	205 S 17th Avenue, MD 614E Phoenix, AZ 85007		SEAnderson@azdot.gov
	Reza Karimvand	ADOT	205 S 17th Avenue, MD 614E Phoenix, AZ 85007		rkarimvand@azdot.gov
	Brian Quinn	ADOT	205 S 17th Avenue, MD 614E Phoenix, AZ 85007		Bquinn@azdot.gov
TK	Tafwachi Katapa	ADOT	205 S 17th Avenue, MD 614E Phoenix, AZ 85007		tkatapa@azdot.gov
MS	Madison Shugrue	ADOT			
EN	Eric Nava	MAG	302 North 1st Avenue, Suite 300 Phoenix, AZ 85003	602-254-6300	Enava@azmag.gov
KM	Kristin Myers	MAG	302 North 1st Avenue, Suite 300 Phoenix, AZ 85003	602-254-6300	Kmyers@azmag.gov
	Bryce Christo	City of El Mirage	10000 North El Mirage Road El Mirage, AZ 85335	623-876-2974	bchristo@elmirageaz.gov
CL	Chris Lemka	City of Peoria	9875 N 85th Avenue Peoria, AZ 85345	623-773-7260	chris.lemka@peoriaaz.gov
SK	Steve McKenzie	City of Peoria	9875 N 85th Avenue Peoria, AZ 85345		steve.mckenzie@peoriaaz.gov
PA	Purab Adabala	City of Glendale	6210 W Myrtle Avenue, Suite 112 Glendale, AZ 85301	623-930-2926	padabala@glendaleaz.com
SW	Stin Weber	City of Glendale	6210 W Myrtle Avenue, Suite 112 Glendale, AZ 85301		Sweber@glendaleaz.com
AG	Allan Galicia	City of Glendale	6210 W Myrtle Avenue, Suite 112 Glendale, AZ 85301		Agalicia@glendaleaz.com
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DL	David Lenzer	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	602-244-8100 x1502	david.lenzer@burgessniple.com

TT0600/T0188 01L Northern Parkway
Agua Fria River to 99th Avenue

ITS MEETING SIGN-IN
10/5/2020

Contract No: 2018-036 **Project No: TT0600**

Initials	*Name*	*Company/Section*	*Address with Zip Code*	*Phone*	*email*
CA	Cynthia Alvarez	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	602-244-8100 x5320	cynthia.alvarez@burgessniple.com
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Northern Parkway
Agua Fria River to 99th Avenue
Project No. TT0600/TRACS No. T0188 01L

ExCom Policy Discussion Meeting Summary

Distribution Date: November 11, 2020

Date of Meeting: November 5, 2020 – 2:20 p.m.

Meeting Location: Virtual Conference

From: Ben Markert, MCDOT

Attendees: **See attached sign-in sheet**

The following meeting notes for the Northern Parkway, Agua Fria River to 99th Avenue, project are for your information, use, and distribution. Please contact Ben Markert at (602) 506-8651 if you have comments or questions. The team list/sign-in sheet is also included following the notes. If there is any missing information or additions to the notes, please let me know. Thank you to everyone who participated in the meeting.

ACTION ITEMS

No.	Action Item	Responsible	Due Date	Completed	Status/Comments
62	Identify the need for RCN conduit	MAG	11/19/20		
63	Coordinate with Peoria regarding PUEs	B&N	11/19/20		
64	Coordinate meeting regarding Peoria right-of-way encroachment policy	B&N	11/19/20		
65	Coordinate placement of ITS infrastructure	Glendale	11/19/20		
66	Continue coordination for median crossover signage	B&N	11/19/20		
67	Continue coordination with Country Meadows II HOA	MCDOT/B&N	11/19/20		

DECISIONS

- The project will include four 1¼-inch conduit in a on the north side within Peoria and three 3-inch conduit on the south side.
- The four 1¼-inch conduit will pass through the bridge in a single 6-inch sleeve.
- Median crossovers will be provided at the locations shown on the exhibit (3).
- Cost for privacy walls will be included as part of the Final Scoping and Design Report.
- Final landscape aesthetics concepts will be selected during Final Design.
- The project will be implemented in one phase inclusive of all design elements.

NOTES

1. **Welcome | Introductions**
   Team members were welcomed to the Northern Parkway, Agua Fria River to 99th Avenue, Policy Discussion meeting. Meeting handouts included eight PDF documents which provided detail on each of the policies to be discussed during the meeting.

2. **ITS**
   The city of Glendale agreed with three 3-inch conduit on the south side of Northern Avenue, and the city of Peoria requested four 1¼-inch on the north side. The four 1¼-inch conduit will pass through the bridge in a single 6-inch sleeve. Chris Lemka, city of Peoria, stated that it may be appropriate for the southside conduit to be hung from the bridge instead of passing through any barrier since a different agency (Glendale and/or MCDOT) will be maintaining the southside conduit from the owner of the bridge (Peoria).

   A question was raised regarding inclusion of pull boxes for a potential Regional Community Network (RCN) pull box and dynamic message signs (DMS) within the corridor. MCDOT and MAG expressed interest in the RCN having infrastructure in the corridor. DMS is not anticipated to be included.

   It is anticipated that all conduits on each of side of Northern will enter into and exit out of the same pull boxes. Attendees were informed that Peoria Unified School District (PUSD) does not need pull boxes as they will not have ITS infrastructure along the corridor. MAG will identify the need for RCN infrastructure. If RCN infrastructure is needed, it will enter into and exit out of separate pull boxes.

3. **Median Crossover**
   The city of Peoria expressed approval with the median crossover locations shown in the exhibits. The design team will continue coordination with Brandon Forrey, city of Peoria, and Tony Abbo, city of Glendale regarding signage and reflector installation.

4. **Condo Access**
   The project team will continue to engage with the Country Meadows 2 Condominiums HOA.

5. **PUEs**
The attendees discussed inclusion of public utility easements (PUE)s. The County currently has utilities within the public ROW. The city of Peoria prefers placing utilities within a public utility easement. Mr. Lemka suggested coordination with Dan Nissen, city of Peoria, for PUEs. City of Peoria standards shall be discussed along with what to do if a PUE is not initially established. A retrofit may be required. It the utilities are to be located within city of Peoria right-of-way a license agreement may be needed for future relocations.

The city of Glendale expressed no preference regarding utility placement. Purab Adabala, city of Glendale, is coordinating with the ITS team regarding placement of ITS infrastructure.

6. **Privacy Walls**
The 8-foot privacy walls as requested by the city of Peoria shall be included within the scoping document, scoping plans and cost estimate. Noise walls may be included in lieu of the modified privacy walls during final design. Funding sources for non-noise walls is to be determined. In the event that noise walls are not constructed, the city of Peoria asked that it be determined if heightening the walls qualifies as an environmental compliance improvement considering the comments received during the public outreach effort.

A meeting will be coordinated with Mr. Nissen, Mr. Lemka, and Tangella Diaz, Maricopa County Real Estate Department, to determine city of Peoria policy regarding right-of-way encroachments.

The county will be improving the walls within county neighborhoods in compliance with the noise study.

7. **Aesthetic Cost Inclusion**
An aesthetic design concept will not be selected until final design with input from the public and city councils. The most expensive of the concepts for bridge aesthetics, landscaping, entry monumentation, and wall aesthetics each shall be included as part of the final SDR. Mr. Lemka suggested an option for entry monumentation to be shared by both city of Peoria and city of Glendale. The city of Glendale expressed interest, but a decision cannot be made until costs and available funds are better understood.

8. **Phasing/Implementation**
A concern was raised regarding high-risk items threatening the overall project schedule. Kimberly Richards and Nicolaas Swart, MCDOT, proposed executing the final design and construction of the project as a single phase. Mr. Swart noted that the risks of doing so should be included in the final SDR. Mr. Adabala also proposed executing the project as a single phase to meet the obligation deadline in the program and maintain the funding sources. Mr. Lemka agreed with executing as single phase.

Kristen Myers, MAG, expressed concern that MAG would need a good reason to break up the project as this segment was recently combined to make one.

9. **Intergovernmental Agreement**
   Attendees were informed that the IGA is typically completed during construction. The agreement shall include but not be limited to maintenance, funding, and ITS. An IGA for conduits on the bridge will be required.

10. **Summary | Miscellaneous Items**
    The design team will coordinate with Ben Markert, MCDOT, to schedule the next Progress Meeting.

TT0600/T0188 01L Northern Parkway
Agua Fria River to 99th Avenue

EXECUTIVE COMMITTEE POLICY DECISIONS MEETING SIGN IN
11/5/2020

Contract No: 2018-036 **Project No: TT0600**

Initials	*Name*	*Company/Section*	*Address with Zip Code*	*Phone*	*email*
BM	Ben Markert	MCDOT	2901 West Durango Street Phoenix, AZ 85009	(602) 506-8651	ben.markert@maricopa.gov
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KR	Kimberly Richards	MCDOT	2901 West Durango Street Phoenix, AZ 85009	(602) 506-1630	kimberly.richards@maricopa.gov
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PA	Purab Adabala	City of Glendale	6210 W Myrtle Avenue, Suite 112 Glendale, AZ 85301	(623) 930-2926	padabala@glendaleaz.com
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KM	Kristin Myers	MAG	302 North 1st Avenue, Suite 300 Phoenix, AZ 85003	(602) 452-5094	kmyers@azmag.gov
JP	Jason Pagnard	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	(602) 244-8100 x5332	jason.pagnard@burgessniple.com
DL	David Lenzer	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	(602) 244-8100 x1502	david.lenzer@burgessniple.com
CA	Cynthia Alvarez	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	(602) 244-8100 x5320	cynthia.alvarez@burgessniple.com

ITS Needs, Operations and Maintenance

Background:

The Northern Parkway ITS Infrastructure Needs Assessment Study (ITS Needs Study) was completed in December 2018. The study was prepared with input from a multiagency group of experts, including representatives from all Northern Parkway funding partners. The recommendations of the study were that two sets of three 3" conduits be constructed along Northern Parkway: one to the north and one to the south. The 2008 Northern Parkway IGA identified MCDOT as the agency with Operations and Maintenance responsibilities for the ITS system. Thus far, projects within the Northern Parkway program (TT0195, TT0347, and TT0427/TT0499) have constructed or call for the construction of the two sets of three 3" conduits identified in the ITS Needs Study.

During development of the TT0600 scoping plans, the design team received ITS conduit requests which differ from the ITS Needs Study. The city of Peoria requested four 1 ¼" conduits and the city of Glendale requested two 4" conduits. It was unclear if these requests were in lieu of or in addition to the infrastructure identified within the ITS Needs Study. A meeting with representatives from multiple agencies took place on October 5, 2020. Representatives from MCDOT, Peoria and Glendale attended.

At the meeting, the following clarifications were made:

1. The requests were in lieu of the ITS Needs Study.
2. The IGA may need to be revised to better reflect agency needs along the arterial stretch of the Northern Parkway program (to date, all constructed improvements have been in the freeway style portion of the program).
    a. It is preferred that regional conduits have their own pull boxes and be maintained by a regional entity (likely MCDOT).
    b. It is preferred that conduits utilized by the local cities have their own pull boxes. The responsible agency for the conduit is currently undetermined.
    c. While a variable message sign is currently shown in the scoping plans, it should only remain in the plans if an agency agrees to accept operations and maintenance responsibilities.
    d. The city of Peoria also manages fiber needs for the PUSD along Northern Avenue. The PUSD conduit will require its own set of pull boxes.

Impacts: The scoping plans will be updated to reflect the preferred conduit configurations. The existing IGA will need to be amended to document resulting agreements.

Additional Information:

- When evaluating the needs of MCDOT Project TT0600, the agencies should consider the needs of MCDOT Project TT0372 and update the guidance and IGA for the Northern Parkway program east of the Agua Fria River as necessary.

Action Requested:

1. Cities of Glendale and Peoria to confirm ITS needs.
2. Identify addendums for existing IGA related to ITS Operations and Maintenance responsibilities.

Attachments:

- **Attachment A:** Northern Parkway Approved IGA
- **Attachment B:** Existing ITS Diagram

Attachment A

CLERK OF THE BOARD

HOLD FOR BASKET PICK UP

31-25

OFFICIAL RECORDS OF
MARICOPA COUNTY RECORDER
HELEN PURCELL
2008-1088049 12/26/08 02:26 PM
2 OF 2
ACUNAR

INTERGOVERNMENTAL AGREEMENT

BETWEEN MARICOPA COUNTY, THE CITY OF EL MIRAGE,

THE CITY OF GLENDALE AND THE CITY OF PEORIA

FOR IMPROVEMENTS TO NORTHERN PARKWAY

FROM SR 303 TO US 60 (GRAND AVENUE)

C. 91.09.081.M.00

This Intergovernmental Agreement ("Agreement") is between the County of Maricopa, a body politic, acting through the Maricopa County Department of Transportation ("County"), the City of El Mirage ("El Mirage"), the City of Glendale ("Glendale"), and the City of Peoria ("Peoria"), all Arizona municipal corporations. The County, El Mirage, Glendale and Peoria are collectively referred to as the "Parties" and individually as "Party", County, El Mirage, Glendale or Peoria.

This Agreement shall become effective as of the date it is filed with the Maricopa County Recorder pursuant to Arizona Revised Statutes (A.R.S.) §11-952, as amended.

STATUTORY AUTHORIZATION

1. A.R.S. §§ 11-251 and 28-6701 *et seq.* authorizes the County to layout, maintain, control and manage public roads within the County, and enter into this Agreement.

2. A.R.S. § 11-951 *et seq.* authorizes public agencies to enter into Intergovernmental Agreements for the provision of services or for joint or cooperative action.

3. A.R.S. § 11-951 *et seq.* and their respective Charters authorize El Mirage, Glendale and Peoria to enter into this Agreement.

L CON 15808

INTERGOVERNMENTAL AGREEMENT

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THE CITY OF GLENDALE AND THE CITY OF PEORIA

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L CON 15808

BACKGROUND

4. The planned Northern Parkway (the "Project") is 12.5 miles long, extending from 67th Avenue, at its intersection with Grand Avenue, to SR 303. The Project passes through or adjacent to the Cities of Glendale, Peoria, and El Mirage and unincorporated portions of Maricopa County. Other governmental entities potentially impacted by this Project are the Arizona Department of Transportation ("ADOT"), Luke Air Force Base ("Luke AFB") and the Flood Control District of Maricopa County ("FCDMC"). For the purposes of this agreement, the "Project" is defined as the limited, fiscally constrained interim concept included within the overall scope of the DCR and described in Appendix C of the DCR. The "Project" does not include the elements of the ultimate Northern Parkway concept that are envisioned in the DCR but unfunded at the time of this Agreement. Right-of-Way protection for the entire corridor is part of the project.

5. The proposed Project will be a principal arterial roadway with controlled and partially controlled access including grade-separated intersections at major cross streets as provided in the DCR.

6. The proposed Project will be a principal arterial that will have more traffic carrying capacity than a typical arterial and will enable traffic to travel faster compared to typical arterials. The Project will provide a much needed higher speed, higher capacity east-west route in the central portion of the West Valley where there are no east-west freeways currently planned. The Project will link El Mirage, central Glendale, unincorporated portions of Maricopa County, and southern Peoria to the rapidly developing far West Valley. Northern Parkway will also provide improved access from Peoria, El Mirage, unincorporated Maricopa County, and Glendale to downtown Phoenix via the Northern Parkway - Grand Avenue route.

7. The primary purpose of the Project is to increase east-west mobility in the West Valley. The principal features of the Project are grade separation at major intersections and controlled access to enhance mobility. Local access and local circulation will be provided in a controlled manner compatible with the primary goal of increased east-west mobility.

PURPOSE OF THE AGREEMENT

8. The purpose of this Agreement is to identify and define the responsibilities of the County and the Cities of El Mirage, Glendale, and Peoria for cost sharing, design, construction, construction management, rights-of-way acquisition, utility relocation, and maintenance of the Project.

LEAD AGENCY

9. a. Maricopa County is hereby designated as the Lead Agency for the Project. As Lead Agency the County will be responsible for leading planning and programming efforts, facilitating coordination with the Maricopa Association of Governments ("MAG"), as well as issuing and managing design and construction contracts, including field engineering and inspection work at the direction of the Executive Committee.

b. The Maricopa County Department of Transportation ("County") will provide the principal staffing support for the participants in the Northern Parkway IGA. Consultants may be retained to meet some staffing needs. The Cities or ADOT staff may also provide support as needed. Reimbursable staffing or consultant costs are subject to approval of the Executive Committee.

c. County staff will lead in providing the analysis and documentation needed by the Executive Committee to develop the Life Cycle Program, the Five-Year Program and the Annual Budget.

d. County staff costs and other necessary expenses (direct costs) will be considered as a local match.

DESIGN CONCEPT AND ENVIRONMENTAL ASSESSMENT

10. The County will perform its Lead Agency functions with the Project in accordance with the Design Concept Report ("DCR") and Environmental Assessment ("EA"). The design and priorities reflected in the DCR & Environmental Assessment may be modified by the Northern Parkway Executive Committee.

RIGHT OF WAY AND PERMITTING

11. a. The jurisdiction in which the Project segment resides will be responsible for obtaining and protecting necessary right-of-way, to the extent provided in their adopted budgets. In most cases, local jurisdictions will purchase right-of-way in their jurisdiction and where they are actively pursuing annexation. If a local jurisdiction fails to protect and purchase the right-of-way, then that jurisdiction authorizes the County to purchase, and if necessary, condemn required properties within their corporate limits for the purposes of this project. The County will be reimbursed for all reasonable and necessary costs associated with procuring the right-of-way within another jurisdiction, as prescribed in the 5 Year Program adopted by the Executive Committee.

b. All Parties shall issue a "No Cost" permit to the Lead Agency for any work being done within their incorporated boundaries relating to the Project.

c. All Parties shall submit any utility permits within the project limits to the County for review and comment. Parties shall not issue such utility permits until the County provides its comments.

FINAL DESIGN

12. The County will be responsible for final design of this Project based on the approved DCR. Funding responsibility shall be as prescribed in Paragraph 15 of this Agreement.

CONSTRUCTION

13. The County will be responsible for arranging and overseeing the construction of the Project facilities including field engineering and inspection of work. Funding

responsibility shall be as prescribed in Paragraph 15 of this Agreement.

MAINTENANCE AND OPERATION

14. a. Upon completion, the Project will be maintained and operated by the jurisdiction in which it is located, that is, Glendale, Peoria and Maricopa County, except as provided in Paragraph 14.b, below. When a City boundary divides the Project (with a portion to the north and a portion to the south) the Party to the north will maintain the structures and the mainline to the south curb line unless other agreements are made. When only a small portion of the Project rests in a jurisdiction, the jurisdiction with the larger adjacent portion will maintain the smaller portion of the Project.

b. The County will be responsible for Intelligent Transportation System (ITS) operations and maintenance. The Parties will develop an ITS Concept of Operations Plan for the corridor. This plan will be evaluated on an annual basis or if required by changes in traffic patterns. The Traffic Engineering Departments of the Parties agencies will meet on a monthly basis to discuss ITS operations along the corridor.

c. The County's department of transportation will operate the ITS system and maintain the ITS equipment. Operation and maintenance costs will be shared between the Party cities based on the percentage cost share depicted in paragraph #19. MCDOT will provide annual budget estimates to the cities for inclusion in their budget cycles and will invoice the cities on an annual basis for ITS services provided.

FUNDING

15. a. The principal source of funding for this Project is regional funding, and the Parties are required to collectively supply a minimum match of 30%. Jurisdictional responsibility for the local match portion of total Project costs will be 40% Glendale, 30% Maricopa County, 20% Peoria, and 10% El Mirage. Actual dollar amounts per year per jurisdiction are subject to the Parties governing body's Council/Board budget approvals. Minimum match shares for the Project and from each Party are due to the County 60 days before the funds are committed for any services to be rendered.

b. Any Party may volunteer to provide more funding to the project than the minimum match requirements, and these funds can be used to accelerate portions of the Project of interest to the Party if approved by the Executive Committee.

c. The County in coordination with MAG will maintain a financially balanced life cycle program to complete the Project. The program will be by year and will reference anticipated annual funding contributions by the contributing jurisdictions.

d. It is recognized that based on current cost estimates and projected funding, the ultimate design concept for the Project is under funded in the remaining years of the regional half cent sales tax. All Parties will explore and support opportunities to ensure adequate funding to complete the Project in a timely manner.

e. The Project will be constructed in accordance with the Design Concept Report (DCR). Glendale will be responsible for completing the Design Concept Report and the Environmental Assessment.

EXECUTIVE COMMITTEE

16. a. **Members.** A Northern Parkway Executive Committee (the "Executive Committee") shall be established consisting of four voting members and four nonvoting members ("Members"). Maricopa County, Glendale, Peoria and El Mirage will each have one vote. ADOT, MAG, Luke AFB, and FCDMC will have a seat on the Committee, but will be nonvoting Members.

b. **Representatives**. Each member jurisdiction shall appoint one representative to act on its behalf on all matters considered by the Executive Committee. Each member jurisdiction shall appoint two or more alternate representatives to serve when the appointed representative is unable to attend.

c. A Member jurisdiction may appoint a representative or alternate representatives that member jurisdiction may lawfully be appointed to act on its behalf. It is anticipated that the representatives and alternatives will be knowledgeable employees of the member jurisdictions Each voting member jurisdiction will be bound by the lawful actions of its representative to the Executive Committee.

d. **Quorum**. A quorum shall consist of the duly appointed representatives of three (3) of the voting members. The Executive Committee shall take no formal action unless a quorum is present.

e. **Decision-Making**. The Parties agree that the actions of the Executive Committee in bringing the Project to fruition significantly and profoundly affect the interests of the entire Executive Committee. To fully realize the goals, objectives and community benefits of the Project, approval from each Member is required. The Parties intend to develop and deliver the Project under mutually agreeable and beneficial terms. Formal decisions shall be made by unanimous vote of those voting. If a member is unable to attend an Executive Meeting, at which will be considered an element that concerns that member's jurisdiction, with proper notification to the Chairman, unless special circumstances (e.g., emergency) make notification impractical, consideration of this element will be tabled until the next Executive Committee Meeting. In lieu of a regularly scheduled meeting, the Committee Chairman may schedule a special meeting to consider the deferred agenda item.

f. **By-Laws, Policies and Procedures**. The voting Members of the Executive Committee shall adopt by-laws, policies, procedures, and protocols as deemed appropriate and as needed for issues that require a vote.

g. **Subcommittees.** The Executive Committee may establish subcommittees as deemed necessary to provide technical information and guidance.

BUDGET

17. a. **Life Cycle Program.** Each year the Executive Committee will adopt a Life Cycle Program to detail the total cost and funding needed to complete the Project.

b. **Five-Year Program.** By September 30th of each year, the Executive Committee will adopt a Five-Year Program budget for the five-year period to commence with the beginning of the next fiscal year. The Five Year Program budget shall be consistent with the Life-Cycle Program.

c. **Annual Budget**. By September 30th of each year the Executive Committee will adopt an annual budget for the next fiscal year. The Annual Budget shall be consistent with the Five Year Program and the Life-Cycle Program.

d. The Executive Committee will provide the Life Cycle Program, the Five-Year Program and the Annual Budget to each member jurisdiction at the respective time of adoption to inform them of the projected amount of expenditures required of each member in the upcoming year, over the next five years and over the life of the Project. The long lead-time will facilitate incorporation of the Project funding needs into the budget of the Parties.

e. **Expenditures**. The Executive Committee will:

- Adopt the annual budget, and
- Approve budget adjustments during the course of the year

REGIONAL REIMBURSEMENTS

18. a. The Project is 12.5 miles of principal arterial roadway with controlled or partially controlled access including grade-separated intersections at major cross streets. The Project is in the Regional Transportation Plan (RTP) adopted by the Maricopa Association of Governments (MAG).

b. A twenty year Arterial Life Cycle Program (ALCP) has been created, which includes the Project and the other arterial projects designated in the RTP. The ALCP is accomplished by a set of Policies and Procedures to guide the program and projects in the life cycle program.

c. To receive regional funding through the Arterial Life Cycle Program, Projects must meet the eligibility criteria established in the approved ALCP Policies and Procedures ("Policies"). Reimbursements will not be provided for the costs for any pre-existing, programmed or planned element or improvement that is not part of the specific improvement Project described or included in the RTP as of November 25, 2003 or later.

d. Improvements eligible for regional funding are limited to those specified in Section 320(D) of Project Eligibility in the ALCP Policies and Procedures approved on December 13, 2006. Prior right-of-way acquisitions and/or work that are part of a designated ALCP

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Project are eligible for reimbursement if:

1. the design, environmental and related planning studies and right-of-way acquisition was purchased/completed after November 1, 2002; or,

2. the construction and related activities was completed after November 25, 2003.

e. The cost of Project elements not eligible for reimbursement may be applied as a credit toward local matching contributions if certain conditions established in the Policies are met. These conditions include, but are not limited to, Project work included in the Parties' local jurisdiction or Lead Agency CIP or in the MAG TIP approved after the July 1, 2000.

✓ f. The total Regional funds budgeted for the Project are $221,074,000 (in 2007 dollars) and are programmed in the ALCP as follows: $45,873,000 in Phase I (FY 2008-2010); $2008-2010); $11,909,000 in Phase II (FY 2011-2015); $80,895,000 in Phase III (FY 2016–2020); and $82,397,000 in Phase IV (FY 2021-2026). These regional funds are to be used to reimburse the Parties undertaking RTP improvements and will be inflated by MAG to the date reimbursement is scheduled in the ALCP.

19. a. The Parties will cooperate in developing a MAG Project Agreement for the Project, pursuant to the RTP and the ALCP Policies and Procedures. The MAG Agreement may develop in phases. The MAG Project Agreement will establish the total amount of regional funds available for this Project and when those regional funds will become available to reimburse funding Parties in this Agreement, over the 20 year span of the RTP.

b. Under the terms of the RTP and the ALCP Policies and Procedures, reimbursements are limited to the amount specified in the RTP for the project or 70% of total eligible project expenditures, whichever is less.

✓ c. Based on the present (2007 dollars) MAG RTP budgeted amount of $221,074,000 in regional funding, and considering the percentage cost shares of each of the Parties, the respective minimum local contributions are as follows:

	Glendale	County	Peoria	El Mirage	Total
Projected Share (Percent)	40%	30%	20%	10%	100%
Projected Share (Dollars)	$37,898,400	$28,423,800	$18,949,200	$9,474,600	$94,746,000

COST SHARE RESPONSIBILITY

The table above illustrates the minimum match concept for funding the Project. In this

concept, 70% of the costs are regional and 30% are local. The local share will be provided as 40% Glendale, 30% County, 20% Peoria, and 10% El Mirage. Local contributions may be developer contributions or previous contributions in accord with MAG Arterial Life Cycle Policies and Procedures. Additional outside funding such as grants, ADOT funding, and MCFCD contributions will be applied to reduce overall costs and will not change percentage shares.

Any contributions or advancements above minimum match requirements are acceptable, but not required. Local contributions are due at the time of regional reimbursement. All funding contributions and advancements are subject to approval by the respective governing bodies.

SUMMARY OF RESPONSIBILITIES

20. **The County agrees to:**

a. Act as the lead agency for this project, as well as issue and manage design and construction contracts, including field engineering and inspection work, at the direction of the Executive Committee, after Glendale has completed the DCR and EA.

b. Protect and purchase necessary right-of-way needed for the project within its jurisdictional boundaries.

c. Purchase, and if necessary, condemn required properties within a Party's corporate limits for the purposes of this Project if a Party fails to protect and purchase necessary right-of-way for the Project. The County will be reimbursed as prescribed in the 5 Year Program adopted by the Executive Committee.

d. Maintain and operate the Project within its jurisdictional boundaries, unless other agreements have been made by the partners of this agreement.

e. Except as provided in Paragraph 17, contribute 30% of the local share of the Project cost, however, at no time, unless the Party so elects, shall the total cost share exceed that listed under Paragraph 19(c).

f. Re-negotiate and amend the existing IGA if Project costs increase by 10% or more.

g. Except as provided in Item h of this Paragraph, invoice the affected Parties for appropriate budgeted amounts of their minimum match shares, as prescribed in Paragraph 15, 90 days before the funds are to be committed for any services to be rendered. An alternate payment schedule may be arranged if determined necessary by the Executive Committee.

h. Operate and maintain the ITS system along the corridor. The County will provide partnering cities with annual budget estimates for ITS operating and maintenance costs and invoice the cities for ITS operating and maintenance cost on an annual basis.

21. **The City of Glendale agrees to:**

a. Act as the lead agency for the completion of the DCR and EA.
b. Issue a "No Cost" permit to the County for any work being done within the City's incorporated boundaries relating to this Project.
c. Authorize the County to purchase, and if necessary, condemn required properties within its corporate boundaries for the purposes of this Project, if the city fails to protect or purchase the necessary right-of-way for this Project.
d. Reimburse the County for all reasonable and necessary costs associated with procuring the right-of-way within its corporate boundaries, as prescribed in the 5 Year Program adopted by the Executive Committee.
e. Except as provided in Paragraph 17, contribute 40% of the local share of the Project cost, however, at no time, unless the Party so elects, shall the total cost share exceed that listed under Paragraph 19(c).
f. Maintain and operate the Project, excluding the ITS system, within its jurisdictional boundaries unless other agreements have been made by the Parties to this agreement.
g. Re-negotiate and amend the existing IGA if Project costs increase by 10% or more.
h. Except as provided in Item i of this Paragraph, remit payment to the County for appropriate budgeted amounts of their minimum match shares, as prescribed in Paragraph 15, within 30 days of receiving a proper invoice. An alternate payment schedule may be arranged if determined necessary by the Executive Committee.
i. Remit payment to the County for ITS operations expenses within 30 days of receiving a proper invoice.

22. **The City of Peoria agrees to:**

a. Issue a "No Cost" permit to the County for any work being done within the City's incorporated boundaries relating to this Project.
b. Authorize the County to purchase, and if necessary, condemn required properties within its corporate boundaries for the purposes of this Project, if it fails to protect or purchase the necessary right-of-way needed for this Project.
c. Reimburse the County for all reasonable and necessary costs associated with procuring the right-of-way within their corporate boundaries, as prescribed in the 5 Year Program adopted by the Executive Committee.
d. Except as provided in Paragraph 17, contribute 20% of the local share of the Project cost, however, at no time, unless the Party so elects, shall the total cost share exceed that listed under Paragraph 19(c).
e. Maintain and operate the Project, excluding the ITS system, within its jurisdictional boundaries, unless other agreements have been made by the Parties to this agreement.
f. Re-negotiate and amend the existing IGA if Project costs increase by 10%

or more.

g. Except as provided in Item h of this Paragraph, remit payment to the County for appropriate budgeted amounts of their minimum match shares, as prescribed in Paragraph 15, within 30 days of receiving a proper invoice. An alternate payment schedule may be arranged if determined necessary by the Executive Committee.

h. Remit payment to the County for ITS operations expenses within 30 days of receiving a proper invoice.

23. **The City of El Mirage agrees to:**

a. Issue a "No Cost" permit to the County for any work being done within the City's incorporated boundaries relating to this Project.

b. Authorize the County to purchase, and if necessary, condemn required properties within its corporate boundaries for the purpose of this Project, if it fails to protect or purchase the necessary right-of-way needed for this Project.

c. Reimburse the County for all reasonable and necessary costs associated with procuring the right-of-way within their corporate boundaries, as prescribed in the 5 Year Program adopted by the Executive Committee.

d. Except as provided in Paragraph 17, contribute 10% of the local share of the Project cost, however, at no time, unless the Party so elects, shall the total cost share exceed that listed under Paragraph 19(c).

e. Acknowledge that El Mirage will not have any cost incurred for maintenance and operations unless other agreements have been made by the partners of this agreement.

f. Re-negotiate and amend the existing IGA if Project costs increase by 10% or more.

g. Except as provided in Item h of this Paragraph, remit payment to the County for appropriate budgeted amounts of their minimum match shares, as prescribed in Paragraph 15, within 30 days of receiving a proper invoice. An alternate payment schedule may be arranged if determined necessary by the Executive Committee.

h. Remit payment to the County for ITS operations expenses within 30 days of receiving a proper invoice.

GENERAL TERMS AND CONDITIONS

24. The Parties hereby agree that to the extent permitted by law, each Party will indemnify, save and hold the other Parties harmless, including any of the Party's departments, agencies, officers, employees, elected officials or agents, from and against all loss, expense, damage or claim of any nature whatsoever, which is caused by any activity, condition or event arising out of the performance or nonperformance by the indemnifying Party of any of the provisions of this Agreement. Each Party hereby indemnifies the other against all liability, losses and damages of any nature for or on account of any injuries or death of persons or damages to or destruction of

property arising out of or in any way connected with the performance or nonperformance of this Agreement, except to the extent that any loss, damage, expense, and/or liability is attributable to the negligent or willful acts and misconduct of that other Party. The damages, which are the subject of this indemnity shall include, but not be limited to the damages incurred by any Party, their departments, agencies, officers, employees, elected officials or agents. In the event of an action, the damages which are the subject of this indemnity shall include court costs, expenses for litigation and reasonable attorney's fees.

25. This Agreement shall be effective as of the date it is filed with the Maricopa County Recorder pursuant to A.R.S. § 11-952 and remain in full force and effect until all stipulations previously indicated have been satisfied except that it may be amended upon written agreement by the Parties. Any Party may terminate this Agreement upon furnishing the other Parties with a written notice at least thirty (30) days prior to the effective termination date.

26. Pursuant to A.R.S. § 11-952, as amended, attached to this Agreement are copies of appropriate action by ordinance, resolution or otherwise authorizing the respective Parties to enter into this Agreement.

27. This Agreement shall be subject to the provisions of A.R.S. § 38-511.

28. This Agreement shall not be construed to imply authority to perform any tasks, or accept any responsibility, not expressly set forth herein.

29. This Agreement shall be strictly constructed against the creation of a duty or responsibility unless the intention to do so is clearly and unambiguously set forth herein.

30. This Agreement shall not be modified or extended except by written instrument adopted in accordance with the requirements for adopting a new Agreement.

31. This Agreement does not grant authority to control the Project, except to the extent necessary to perform the tasks expressly undertaken pursuant to this Agreement.

32. Any funding provided for herein, other than in the current fiscal year, is contingent upon being budgeted and appropriated by the Parties' governing bodies in such fiscal year.

33. This Agreement has been arrived at by negotiation of all the Parties and shall not be construed against any Party or against the Party who prepared the last draft.

34. This Agreement may be executed in multiple counterparts, each of which shall constitute one and the same instrument.

IN WITNESS WHEREOF, the Parties hereto have executed this Agreement.

MARICOPA COUNTY, a political subdivision of the State of Arizona

Recommended by:

12-22-08

John B. Hauskins, P.E. Date
Transportation Director

Approved and Accepted:

By:
Chairman, Board of Supervisors

Attest:

By: DEC 26 2008
~~Clerk of~~ the Board 121708 Date

APPROVAL OF COUNTY COUNSEL

I hereby state that I have reviewed the proposed Intergovernmental Agreement, between the County of Maricopa, the City of El Mirage, the City of Glendale, and the City of Peoria and declare the Agreement to be in proper form and within the powers and authority granted to their respective governing bodies under the laws of the State of Arizona.

12-17-08

Deputy County Counsel Date

IN WITNESS WHEREOF, the Parties hereto have executed this Agreement.

CITY OF EL MIRAGE, an Arizona Municipal Corporation

Recommended By:

6/27/08

William Cornwall Date
City Manager

Approved and Accepted:

By: 6-26-08
Mayor Fred Waterman Date

Attest:

By: 6/27/08
City Clerk Date

APPROVAL OF CITY COUNSEL

I hereby state that I have reviewed the proposed Intergovernmental Agreement between the County of Maricopa, the City of El Mirage, the City of Glendale, and the City of Peoria and declare the Agreement to be in proper form and within the powers and authority granted to their respective governing bodies under the laws of the State of Arizona.

6-23-08
City Attorney Date

IN WITNESS WHEREOF, the Parties hereto have executed this Agreement.

CITY OF GLENDALE, an Arizona Municipal Corporation

Recommended By:

Pam Kavanagh for 9/30/08
Ed Beasley Date
City Manager

Approved and Accepted by:

Elaine M. Scruggs 10/6/08
Mayor Elaine M. Scruggs Date

Attest:
By: Pamela Hanna 10/08/08
Pamela Hanna, City Clerk Date

APPROVAL OF CITY COUNSEL

I hereby state that I have reviewed the proposed Intergovernmental Agreement between the County of Maricopa, the City of El Mirage, the City of Glendale, and the City of Peoria and declare the Agreement to be in proper form and within the powers and authority granted to their respective governing bodies under the laws of the State of Arizona.

City Attorney Date

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IN WITNESS WHEREOF, the Parties hereto have executed this Agreement.

CITY OF PEORIA, an Arizona Municipal Corporation

Recommended by:

David A. Moody, P.E. Date
Transportation Planning Director

Approved and Accepted:

By: Bob Barrett 8/30/08
Bob Barrett, Mayor Date

Attest:

By: Mary Jo Kief 9-2-08
Mary Jo Kief, City Clerk, Date

APPROVAL OF CITY COUNSEL

I hereby state that I have reviewed the proposed Intergovernmental Agreement, between the County of Maricopa, the City of El Mirage, the City of Glendale, and the City of Peoria and declare the Agreement to be in proper form and within the powers and authority granted to their respective governing bodies under the laws of the State of Arizona.

Steve Kemp, City Attorney

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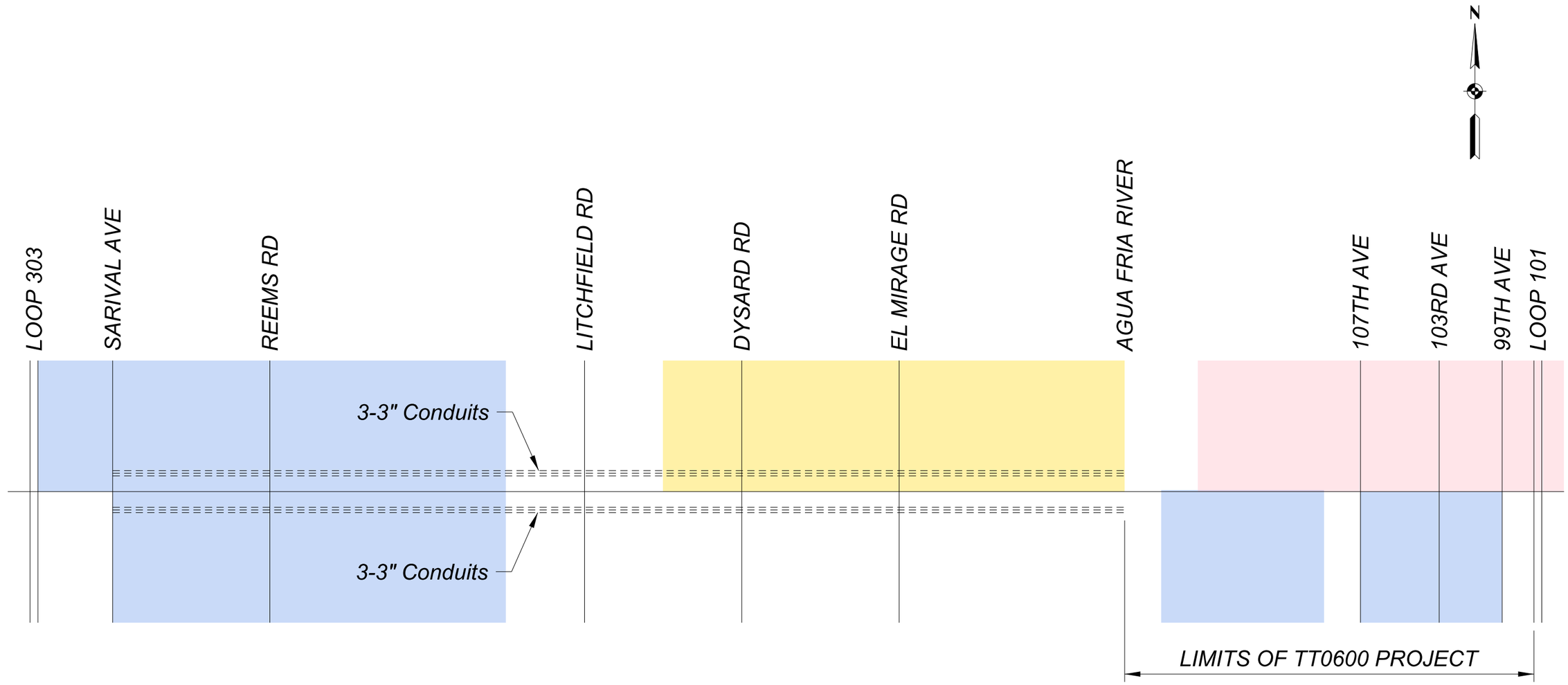
Attachment B



LEGEND

CITY OF GLENDALE

CITY OF PEORIA

CITY OF EL MIRAGE

MARICOPA COUNTY
DEPARTMENT OF TRANSPORTATION

NORTHERN PARKWAY
AGUA FRIA RIVER TO 99TH AVE
PROJECT NO. TT0600

EXISTING ITS INFRASTRUCTURE

2:42:38 PM 10/6/2020

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Median Emergency Access Locations

Background:

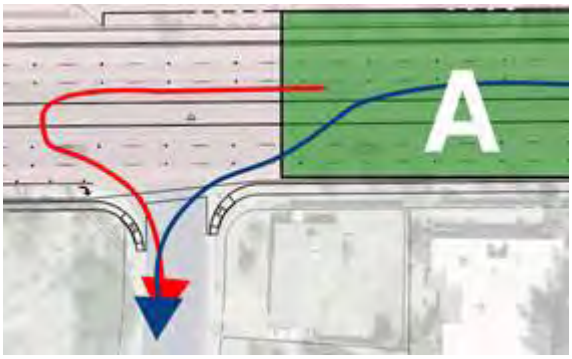
The draft Scoping and Design Report (SDR) and Plans identified a raised median along Northern Avenue from the Agua Fria River to 99th Avenue. Median breaks are provided at the signalized intersections of 115th Avenue, 111th Avenue, 107th Avenue, 103rd Avenue, and 99th Avenue; median breaks are also provided at the unsignalized intersection of 109th Avenue (eastbound only) and about 500 feet west of 112th Avenue. The design team met with emergency responders from the County (July 2020) and Glendale (June 2020) to discuss potential mitigation for the introduced access restrictions. Glendale Fire representatives coordinated with their city of Peoria counterparts. As a result of the feedback received from the stakeholders, the design team identified potential crossover locations. As currently proposed, the crossover locations would have minimal landscaping and the adjacent median curb would be rolled curb. Staff from the city of Peoria will provide direction regarding how the locations will be marked; options being considered include signing and/or reflectors. Additional signing may be installed to communicate the area is for emergency access only.

Discussions with Glendale Fire indicated that there is an Automatic Aid agreement with Peoria and Phoenix. It was stated that the firehouses that respond would all be coming from the east. Consequently, more accommodations are provided for westbound lefts (more so than eastbound lefts).

- There are drawbacks to having the crossover location immediately across from the side streets.
    - It may encourage non-emergency vehicles to use the crossover.
    - It eliminates the ability to place signs across from the exiting traffic.

Consequently, the proposed crossover locations are placed prior to the street to be accessed. This prevents the need for emergency responders to drive past their destination and then complete a pseudo U-turn (avoid the red traveled path in ***Figure 1***).

Figure 1 – Proposed Crossover Location A



The attachment provides a graphic of the additional crossover locations currently considered.

Impacts: Location of crossover locations (compared to other locations) will have minimal impacts on cost.

Additional Information:

- The city of Glendale has indicated they are in support of the proposed median crossover locations and treatments shown on the attachment.
- Brandon Forrey, city of Peoria, is coordinating with Tony Abbo, city of Glendale, regarding signage and reflector installation.

Action Requested:

1. Project Partners to select median crossover locations and appropriate signage and reflector installation.

Attachments:

- **Attachment A:** Crossovers Exhibit Roll Plot

Attachment A

NORTHERN PARKWAY TT0600 Scoping Assessment

MARICOPA ASSOCIATION of GOVERNMENTS

PROPOSED MEDIAN EMERGENCY CROSSOVER LOCATIONS
PROJECT NO. TT0600/TRACS NO. T0188 01L - NORTHERN PARKWAY - AGUA FRIA TO 99TH AVENUE

09/21/20

Condominium Access

Background:

The draft Scoping and Design Report (SDR) and Plans identified a new access road for the Country Meadows II Condominiums, a gated community in unincorporated Maricopa County south of Northern Avenue at 108th Avenue. The condominiums access is proposed to be relocated from 108th Avenue to the Augusta Avenue alignment with access from 107th Avenue. The current access at 108th Avenue is intended to be closed and used for emergency access. The relocation of the access will require the demolition of a multi-family building and the relocation of the gate and key pad; due to this, a turnaround will need to be provided at the west end of Augusta Avenue for vehicles who cannot gain access to the condominiums.

The draft SDR plans included a hammer-head style turnaround along Augusta Avenue that protruded into the vacant parcel at the southwest corner of the Northern Avenue intersection with 107th Avenue. After a meeting with MCDOT and Glendale representatives on September 29, 2020, the design team investigated two additional options for a turnaround area within the Condominiums property.

- ***Option A*** utilizes the City of Chandler turnaround as suggested by the city of Glendale. However, the turnaround uses a far-side design that would (1) impact existing homes to the south and/or (2) require additional right-of-way from the parcel with the developer interest to the north. Attachment A shows an option that does neither, but it also does not align too well the existing condominium parking.
- ***Option B*** identifies the type of improvements that would need to be included for a solution that would reconfigure both the southern parking area and new southern access with turnaround (detailed in Attachment B). Option B presumes that Option A is not advanced but includes the generalized item list that should be considered when moving forward. We recommend soliciting input from the parcel owner to confirm the listed improvements prior to detailing a reconfiguration of the southern parking area.

The addition of Augusta Avenue and turnaround area will impact drainage for the condominiums which currently flows into the vacant parcel on the southwest corner of 107th Avenue. Two options are presented within Attachment C regarding future drainage patterns from the condominiums. One option proposes a new basin within the condominiums which would impact two buildings. Design and construction of this basin would require coordination with the condominiums and need to be privately maintained. The second option proposes drainage from the condominiums to be conveyed offsite.

Impacts: Each option (for both the turnaround area and drainage) will have varying costs and right-of-way needs (impacts to buildings).

Additional Information:

- Any proposed improvements with the condominium site will require significant engagement from Maricopa County and the city of Glendale with the Condominiums.

Action Requested:

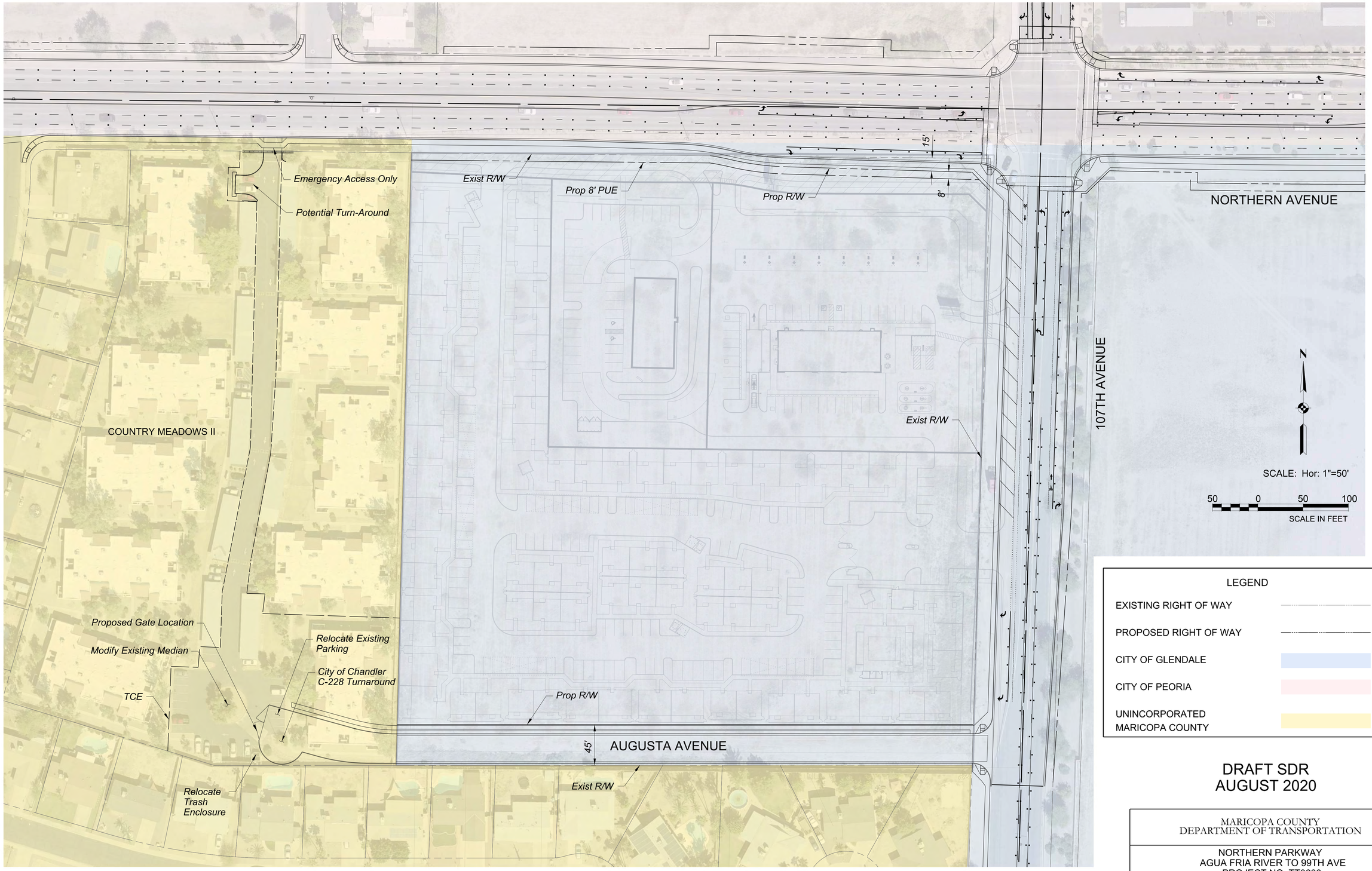
1. Project Partners to determine the required level of detail of site design needed to complete scoping.
2. Project Partners to develop parcel owner engagement plan to facilitate the design of site improvements.
3. Project Partners to determine what drainage requirements will need to be accommodated by site design.

Attachments:

- **Attachment A:** Condominium Access Option A
- **Attachment B:** Condominium Access Option B
- **Attachment C:** Technical Memorandum 107th Avenue and Northern Avenue/Augusta Avenue

Attachment A

1:33:02 PM 10/7/2020



LEGEND

EXISTING RIGHT OF WAY	
PROPOSED RIGHT OF WAY	
CITY OF GLENDALE	
CITY OF PEORIA	
UNINCORPORATED MARICOPA COUNTY	

DRAFT SDR
AUGUST 2020

MARICOPA COUNTY
DEPARTMENT OF TRANSPORTATION

NORTHERN PARKWAY
AGUA FRIA RIVER TO 99TH AVE
PROJECT NO. TT0600

NORTHERN AVENUE AND 107TH AVENUE
2020 DRAFT SDR CONCEPT

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Attachment B

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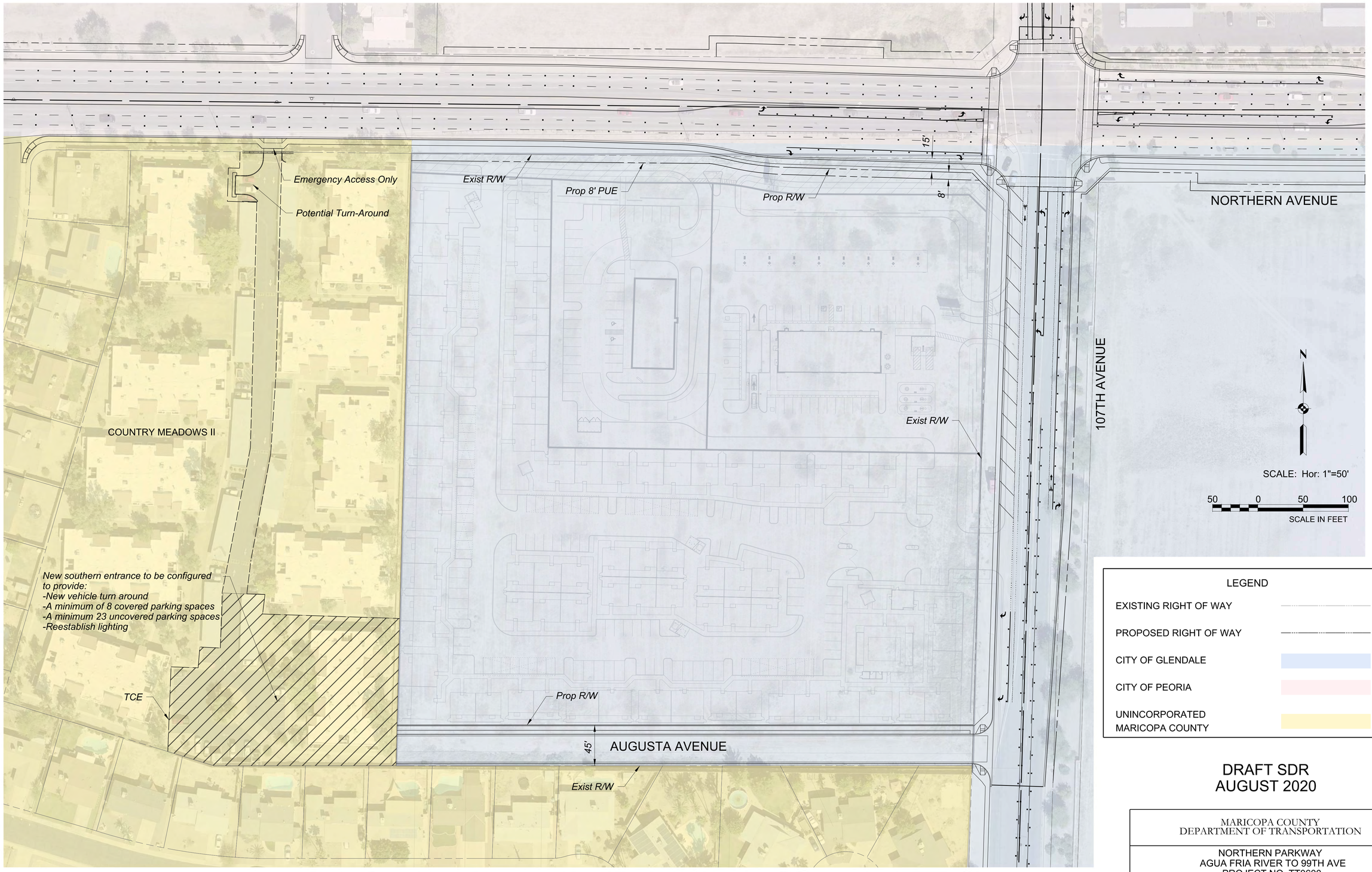

LEGEND

EXISTING RIGHT OF WAY	
PROPOSED RIGHT OF WAY	
CITY OF GLENDALE	
CITY OF PEORIA	
UNINCORPORATED MARICOPA COUNTY	

DRAFT SDR
AUGUST 2020

MARICOPA COUNTY
DEPARTMENT OF TRANSPORTATION

NORTHERN PARKWAY
AGUA FRIA RIVER TO 99TH AVE
PROJECT NO. TT0600

NORTHERN AVENUE AND 107TH AVENUE
2020 DRAFT SDR CONCEPT

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Attachment C

Technical Memorandum

107th Ave & Northern Ave/August Ave

Date: 08 Oct 2020

To: David Lenzer (B&N)

From: Evan Grace (J2)

RE: 107th Ave & Northern Ave/August Ave

Existing Conditions

The purpose of this memorandum is to describe the flow contributing to two intersections (Northern Ave & 107th Ave and Augusta Ave & 107th Ave) and propose mitigation alternatives to remain within MCDOT, City of Peoria (COP), and City of Glendale (COG) criteria.

The existing condition, as identified in the *Northern Avenue & 107th Avenue* Technical Memorandum (June 2020), involves 225 cfs for the 100-yr event contributing to the north side of the 107th/Northern intersection. Flow approaches the intersection from the north, overtops Northern Ave, and continues south along 107th to Orangewood.

The 225cfs was analyzed at a cross section at the south end of 107th Ave near Orangewood. This is the most restricted area width-wise and serves as a control/hydraulic choke point for flows on 107th. The 100-year flow depth was found to be 14 inches at the gutter flow line. This is greater than the 8 inch allowable depth per MCDOT but is within the COG criteria that flow is contained within the ROW. To meet the MCDOT criteria (maximum depth of 8 inches) the flow would need to be reduced to approximately 55 cfs. A portion of the 225 cfs offsite flow would need to be captured at the north side of the Northern & 107th intersection in order to reduce the amount that contributes to the control cross-section.

At the southwest corner of the Northern & 107th intersection is a vacant parcel (approximately 10 ac) that the COG is interested in developing. Currently this parcel drains to the southeast. To the west of the vacant parcel is the Country Meadows II Condominium development. This development currently has no onsite stormwater retention. Runoff contributes to the central drive through the development and is directed toward the southeast corner where a riprap lined channel conveys flow off of the site to the adjacent parcel. From here, flow runs against the existing CMU wall toward 107th Ave.

Proposed Development

As part of the TT0600 improvements, the intersection of Northern & 107th will be built to ultimate width. Northern Ave will have three (3) through lanes in each direction. The widening will largely be to the south of the existing roadway. Augusta Ave will be constructed and will connect the southern edge of the Country Meadows II development to 107th Ave, running parallel to the existing CMU wall at the south end of the empty parcel. This 10 acre parcel may be developed in the future as commercial use within the COG. 107th Ave south of Northern will be widened with the addition of curb & gutter on the west side of the roadway.

Northern Ave
Northern Ave & 107th Ave
Augusta Ave
Augusta Ave & 107th Ave
107th Ave
Hydraulic Choke
Cross-Section
Orangewood Ave

225cfs
Northern Ave
Country
Meadows
II Condos
Parcel to be
Developed
107th Ave
Augusta Ave

107th Ave

The 225 cfs that flows down the 107th Ave corridor from north of Northern is greater than the capacity within the roadway section. Accordingly, the 100-yr event will overtop the curb/sidewalk on the west side of the roadway and will contribute to a vacant parcel at the northwest corner of Northern & 107th Ave.

Under existing conditions, a scupper at the northwest curb return along 107th Ave captures some pavement drainage and directs it toward an adjacent area inlet which ultimately outlets to the drainage swale beginning behind the southeast corner of the intersection. There are no catch basins on the east side of the roadway.

The COP has expressed the desire to minimize this offsite flow and reduce liability regarding the amount of water that overtops and heads south toward the COG. Accordingly, 30% plans are being developed to capture all flow at the north leg of the intersection. The flow within the roadway section may be captured completely with a series of inlets that are connected to the proposed storm drain system. 193 of the 225 cfs (approximately 86%) will contribute to the vacant parcel at the northwest corner of the intersection, requiring a substantial area inlet. All flow will be routed to the east toward a proposed basin adjacent to New River. Accordingly, flow from north of this intersection is negligible.

Country Meadows II Condominiums

The Country Meadows II Condominiums site has no existing onsite stormwater retention. Runoff flows off of the site and ultimately contributes to 107th Ave. The concentration point for flow from this development is at the southeast corner of the site. Discharge has been quantified using the Rational Method with a 100-yr 10-min Time of Concentration producing 31cfs discharge at the southeast corner.

C	i (in/hr)	A (ac)	Q (cfs)
0.94	5.96	5.54	31.04

An analysis of the onsite retention was performed to determine the impact if this site were to construct a basin to hold the 100-yr 2-hr onsite runoff volume. The corresponding depth is 2.26 inches, resulting in a required volume of 42,750 cubic feet (0.98 ac-ft). Constructing a basin to accommodate this volume would necessitate the removal of two existing condo buildings. However, this onsite retention basin would attenuate the offsite flow contributing to Augusta Ave.

Development at SW Corner of Northern & 107th

The vacant parcel at the southwest corner of the intersection of Northern & 107th is approximately 10 ac. Flow is generally from northwest to southeast over the parcel. The offsite flow was quantified using the Rational Method with a 100-yr 10-min Time of Concentration producing 15 cfs discharge at the southeast corner under existing conditions.

C	i (in/hr)	A (ac)	Q (cfs)
0.25	5.96	9.97	14.86

In an interim condition where Augusta Ave is constructed, but this parcel remains vacant, the contributing area would decrease, resulting in a reduction of the offsite discharge. The flow contributing to the southeast corner of the lot would be 13 cfs.

C	i (in/hr)	A (ac)	Q (cfs)
0.25	5.96	8.78	13.08

If the site is to be developed, the corresponding runoff coefficient would increase to 0.95 (conservatively). The 100-yr 10-min event would produce approximately 50 cfs from the new parcel. The new development would need to retain the 100-yr 2-hr event onsite. Constructing the onsite stormwater retention facilities would help to reduce the flow that contributes from this area to 107th Ave.

C	i (in/hr)	A (ac)	Q (cfs)
0.95	5.96	8.78	49.71

The discharges in each case are summarized below.

Condition	Discharge (cfs)
Existing	15
Interim (Augusta Ave w/ undeveloped parcel)	13
Future (Augusta Ave w/ developed parcel)	50

<u>Augusta Avenue</u>

The construction of Augusta Ave would generate runoff that would contribute to 107th Ave. For Rational Method estimation, the roadway has been characterized as an 80' wide impervious corridor (approximately 1.22 ac). A Time of Concentration of 5-minutes produces a 100-yr discharge of 9 cfs at the east end of the roadway.

C	i (in/hr)	A (ac)	Q (cfs)
0.95	7.84	1.22	9.09

<u>107th Ave</u>

The 107th Ave corridor south of Northern Ave drains to the south toward the hydraulic choke point. This corridor is approximately 120' wide and is approximately equally split between desert landscaping and impervious asphalt. There is a drainage ditch that runs parallel to 107th to the east, but there are no catch basins or scuppers to direct flow toward this ditch or out of the roadway section. A curb cut at the sound end of 107th Ave directs all flow into the ditch after it has turned to run parallel to Orangewood. The Rational Method was utilized with a composite runoff coefficient of 0.80 and 15 minute Time of Concentration (4.93 in/hr), resulting in a discharge at the control cross-section of approximately 27 cfs.

C	i (in/hr)	A (ac)	Q (cfs)
0.80	4.93	6.71	26.46

The segment of 107th Ave north of Augusta Ave was analyzed separately to determine the flow contributing to the new intersection. A 5-min Time of Concentration produces 10 cfs at the north leg of the intersection of 107th Ave & Augusta Ave.

C	i (in/hr)	A (ac)	Q (cfs)
0.80	7.84	1.57	9.85

Combination of Flow

The worst case combination of flow involves the absence of retention at the condominium site or the vacant parcel, an Augusta Ave that allows all discharge to spill out onto the 107th Ave, and lack of catch basins or retention along 107th Ave between Augusta and Orangewood.

The discharge that contributes to the control cross-section was determined by analyzing the aforementioned areas as a whole. Times of Concentration were combined to approximately 25 minutes with a rainfall intensity of 3.86 in/hr and weighted runoff coefficient of 0.63. The resulting discharge at the south end of 107th Ave is approximately 55 cfs. Per the *Northern Avenue & 107th Avenue* Technical Memorandum, this is the maximum flow that may be contained within the roadway section before violating MCDOT criteria for depth. This does not consider any flow overtopping Northern Ave from 107th Ave on the north side of the intersection.

C	i (in/hr)	A (ac)	Q (cfs)
0.63	3.86	22.25	54.11

It is not recommended that this flow be conveyed down 107th Ave without any drainage facilities to retain a portion of runoff or to reduce peak flows.

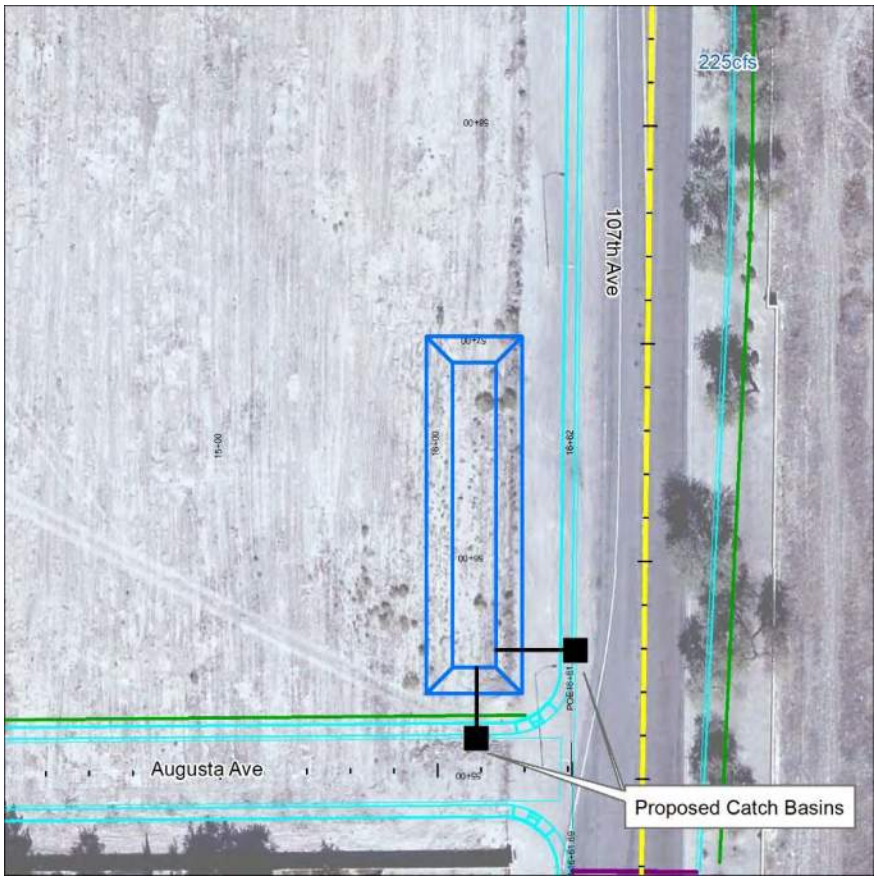
Summary of Offsite Flow Mitigation

A) Adding a retention facility on the existing Country Meadows site would require the demolition of at least one condominium building (2 buildings to accommodate the 100-yr 2-hr retention requirement). This would come at significant cost and is not recommended.

B) The City of Peoria (COP) has expressed the desire to minimize the amount of flow that crosses the intersection of Northern & 107th from north to south. The 30% SDR plans will be updated to include catch basins at both the northeast and northwest curb returns on 107th Ave to prevent any bypass/overtopping flow.

C) The City of Glendale requires that developments must retain the 100-yr 2-hr storm event, including the adjacent half streets. If the vacant parcel at the southwest corner of Northern and 107th Ave is developed, this will require roadway catch basins or scuppers to retain flow from 107th Ave and Augusta Ave. As an interim condition, these inlets may be constructed with a temporary basin located at the southeast corner of the parcel. This will reduce the flow contributing to the downstream hydraulic control cross-section. Upon future development, inlets may be reconstructed or the interim basin may be reconfigured for use as an onsite stormwater retention basin.

Curb full capacity on the north side of Augusta and the west side of 107th Ave were determined using Flowmaster. Curb opening catch basins or scuppers may be utilized to capture curb full flow. Openings along Augusta of 13' and along 107th of 20' may capture approximately 4 & 10 cfs, respectively. This reduces the peak flow contributing to the hydraulic control point to approximately 41cfs. This flow will need to be retained in an interim surface basin located at the southeast corner of the parcel.



The volume of the interim basin has been determined based on the area of the vacant parcel and half of the adjacent Augusta & 107th Avenues. A 100-yr 2-hr precipitation depth of 1.13 in and weighted runoff coefficient of 0.35 yields a required volume of approximately 14,700 cubic feet. This volume may be retained in a rectangular interim basin adjacent to 107th Ave. The basin represented above has bottom dimensions of 20'x140', 4:1 side slopes, and 3' depth.

Right-of-Way – Public Utility Easements

Background:

The draft Scoping and Design Report (SDR) and Plans identify an 8-foot public utility easement (PUE) for utility relocations as requested by the city of Peoria and city of Glendale. PUEs are shown on the north and south side of Northern Avenue throughout the project area except for in areas where providing the PUE results in impacts to adjacent structures.

After submittal of the draft SDR and Plans, Maricopa County Real Estate Department (MCRED) asked if the PUEs are a requirement for the project. If the PUEs are not a requirement, MCRED can appraise and make offers to secure the land rights but is unable to utilize condemnation to secure the land rights. The inability to acquire all of the land identified as PUE on the scoping plans could lead to non-continuous easements which utility companies may be resistant to use. If the PUE will not be immediately used, it is our understanding that it cannot be considered a requirement.

A potential option is to convert the PUE line to a fee right-of-way line. The area could still be utilized for utilities, but could also be utilized for ITS, signing, lighting, landscaping and other project related items.

Impacts: Inclusion of PUEs has a direct impact on the project estimate. As of August 22, 2020, the cost estimate for PUEs is approximately $850,000.

Additional Information:

None.

Action Requested:

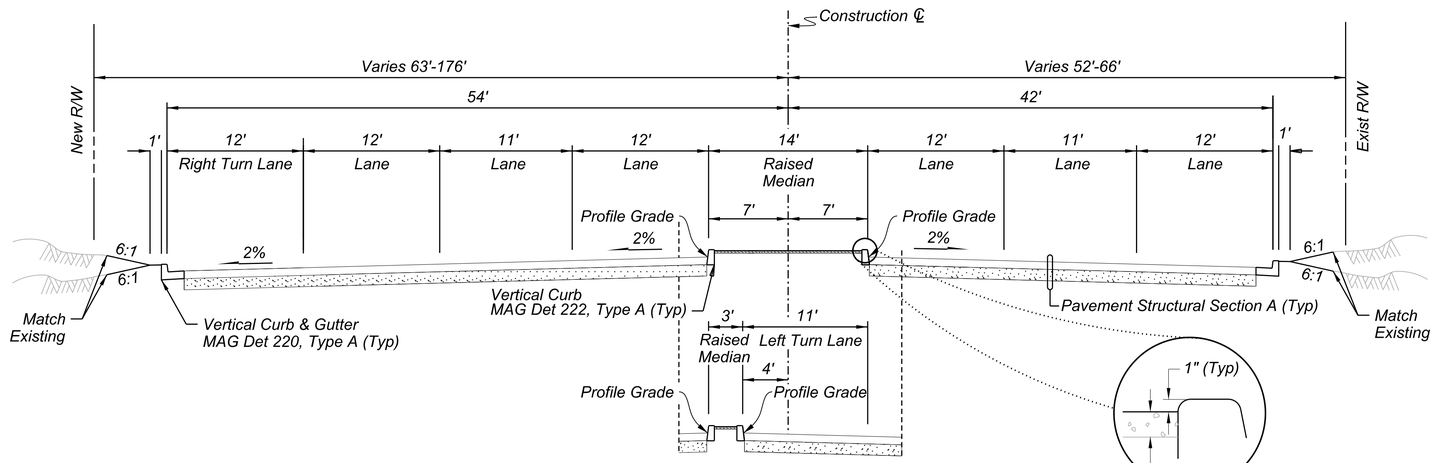
1. Discuss in greater detail with right-of-way expert Tangella Diaz to better understand decision implications and to answer any questions that may arise.
2. Confirm PUEs are to be shown in the Final SDR and Plans.
3. If PUEs are to be shown, confirm width and locations.

Attachments:

- **Attachment A**: Utility Location-Easement Exhibit

Attachment A

F.H.W.A. REGION	STATE	PROJECT NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
9	AZ	TT0600	12	233	

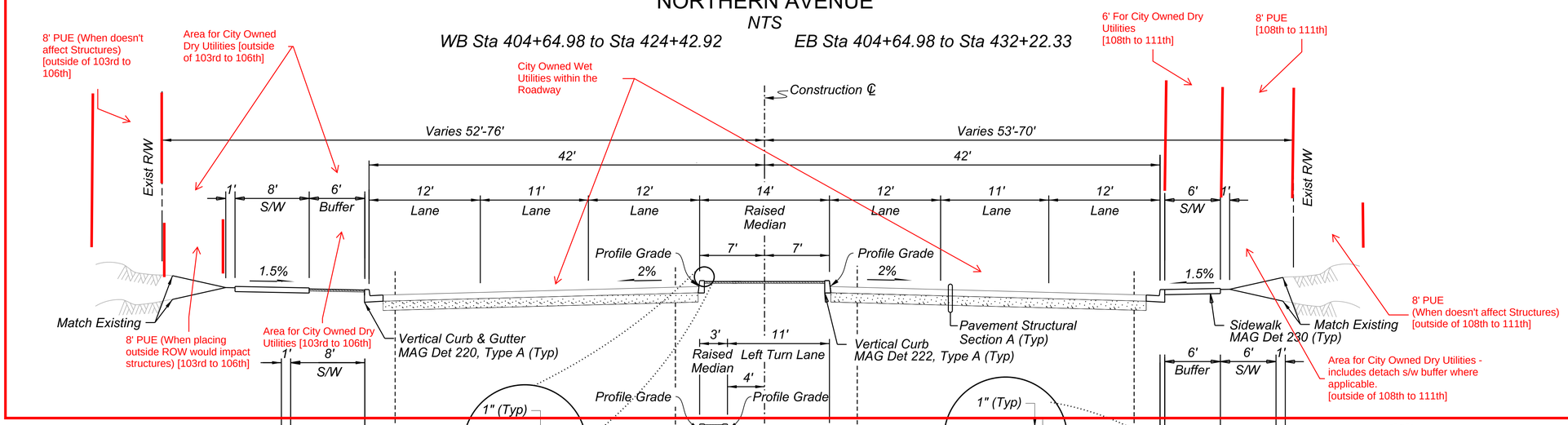


Sta 406+06.23 to Sta 408+81.06 (Mirror)
Sta 417+18.17 to Sta 419+89.24
Sta 429+47.59 to Sta 432+22.33

NORTHERN AVENUE

NTS

WB Sta 404+64.98 to Sta 424+42.92 EB Sta 404+64.98 to Sta 432+22.33



Sta 445+03.57 to Sta 457+07.90

Sta 433+37.48 to 437+01.07 (Mirror)
Sta 441+36.40 to Sta 444+43.69
Sta 453+51.73 to Sta 457+19.17
Sta 458+34.27 to Sta 462+14.61 (Mirror)

Sta 458+51.68 to Sta 472+53.50

Sta 425+87.11 to Sta 428+56.51
Sta 433+38.25 to Sta 436+16.88
Sta 439+66.62 to Sta 442+45.93
Sta 458+40.32 to Sta 462+07.98

Sta 441+31.75 to Sta 443+26.67
Sta 444+14.37 to Sta 445+83.20
Sta 453+77.97 to Sta 457+13.45

NORTHERN AVENUE

NTS

WB Sta 424+42.92 to Sta 472+53.50 EB Sta 432+22.33 to Sta 472+53.50

NO.	REVISION	BY	DATE
3			
2			
1			

MARICOPA COUNTY
DEPARTMENT OF TRANSPORTATION

NORTHERN PARWAY
AGUA FRIA RIVER TO 99TH AVENUE
PROJECT NO. TT0600

PRELIMINARY NOT FOR CONSTRUCTION

	BY	DATE
DESIGNED	E.CARBONNEAU	08/21/20
DRAWN	C.JAMISON	08/21/20
CHECKED	D.LENZER	08/21/20

BURGESS & NIPLE
1500 N. PRIEST DR. SUITE 102
TEMPE, AZ 85281

Contact Arizona 811 Two Working Days Before You Dig
ARIZONA811 BLUE STAKE, INC.
Call 811 or Click Arizona811.com

TYPICAL SECTIONS

SHEET TY03

ADOT PROJECT NO.

6:18:31 PM 8/21/2020

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Privacy Walls

Background:

Within the project limits there are existing residential privacy walls along Northern Avenue that are in the city of Peoria on the north and Unincorporated Maricopa County on the south. The walls are privately owned, and as-built information is not available. A noise analysis will be completed during final design to determine if these walls should be replaced with walls designed to abate noise. If it is determined that noise walls will not be constructed, the city of Peoria will require all residential privacy walls abutting Northern Avenue to have a minimum height of 8 feet per city design standards. Not all existing walls meet the required minimum height.

Encroachments along the north side of Northern Avenue between 107th and 103rd Avenues were identified via review of the Maricopa County Assessors website. The privacy wall surrounding the backyards of the Country Meadows Unit 4 subdivision are located approximately 9 feet south of the parcel boundary. Upon further investigation, the wall is uniform and appears to have been built by the original developer (based on 1979 aerial imagery and most recent Google street view).

Impacts: Construction of 8-foot privacy walls has a direct impact on the project estimate. As of August 22, 2020, the cost estimate for privacy walls is approximately $4,900,000. Construction of new privacy walls will also impact schedule. It is anticipated that right-of-way acquisition and clearance will be about three years due to temporary construction easements required from approximately 80 parcels. An IGA will also be necessary to identify funding and maintenance responsibilities.

Additional Information:

- MCDOT Project TT0600 does not impact the wall but there may be some potential interface due to:
  - inclusion of right turn pockets at 106th Avenue and 104th Avenue;
  - upgrades to 8-foot walls; and
  - results of the noise analysis.
- Maricopa County Real Estate Department (MCRED) requested title reports for parcels with encroachments.
- City of Peoria investigated the issue and indicated the wall was built by the original developer, outside of the parcel boundaries within an area that at the time was not dedicated right of way but not part of the plat either. Twenty years later the entity that took over the interests of the original developer Quit Claimed the 10-foot strip to the city of Peoria (in 1999). The city of Peoria was not able to find any documentation related to the acceptance of the additional 10-foot strip right-of-way from the Country Meadows development.

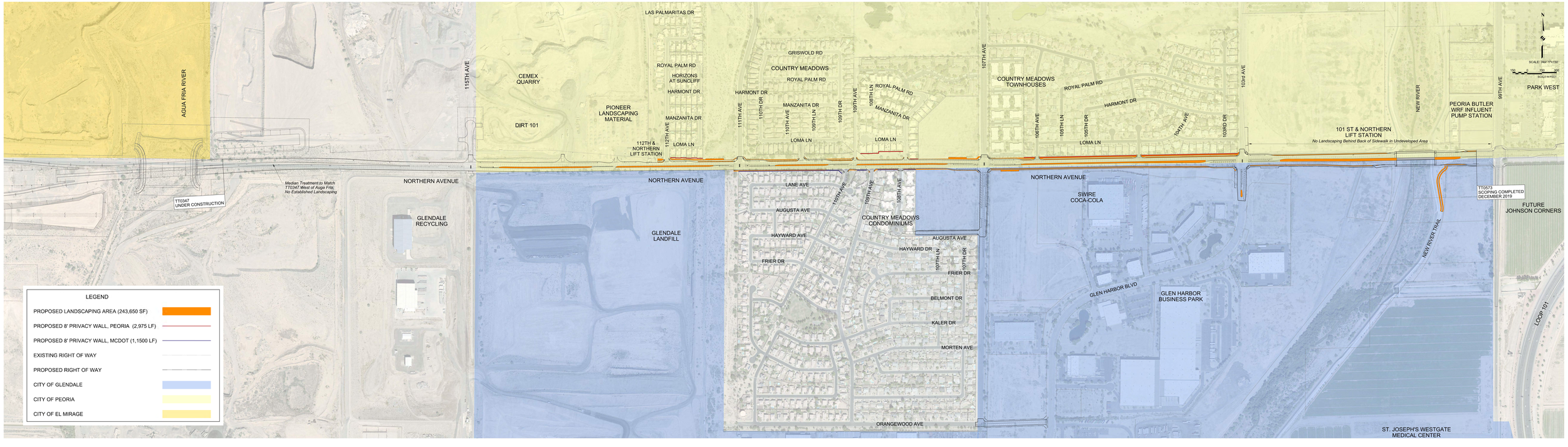
Action Requested:

1. MCDOT and city of Peoria to confirm upgrades to existing privacy walls within their own jurisdictions. If yes, identify funding sources.
2. Determine aesthetic treatments to upgraded walls and determine if walls that are 8 feet tall existing receive any treatments.
3. City of Peoria identify how to resolve encroachment issue. MCRED is willing to support once process forward is identified.

Attachments:

- **Attachment A:** Landscape Wall Exhibit Roll Plot

Attachment A



NORTHERN PARKWAY TT0600 Scoping Assessment

MARICOPA ASSOCIATION of GOVERNMENTS

ADOT

PROPOSED LANDSCAPING AREAS AND NEW PRIVACY WALLS
PROJECT NO. TT0600/TRACS NO. T0188 01L - NORTHERN PARKWAY - AGUA FRIA TO 99TH AVENUE

6/18/20

Aesthetic Cost Inclusions

Background:

The draft Scoping and Design Report (SDR) and Plans identifies proposed aesthetics enhancements to the bridge over New River and entry monumentations.

The draft SDR and Plans provided four concepts for bridge aesthetics. The proposed aesthetic enhancements to take into account the city of Peoria's desire to provide not only a unique visual appearance to the bridge but also to a provide an enhanced user experience for pedestrians, cyclists, and maintenance workers. The multi-use path is separated from roadway traffic with a vehicular barrier wall, and protection at the edge of the bridge is provided by a pedestrian barrier fence.

The draft SDR and Plans provided three concepts for entry monumentation. As Northern Avenue transitions from freeway to arterial roadway section at 115th Avenue, this would be an ideal location for a gateway feature to provide visual reinforcement of reaching a unique destination while providing drivers further visual cues about the change of Northern Avenue's facility type. Potential locations for the entry monumentation would be the southeast or northwest corners of 115th Avenue due to available right-of-way and access to nearby power sources. The opposite end of the project between New River Bridge and 99th Avenue would also be an ideal location for placemaking monument. A potential location for the monumentation are the corners of the Northern Avenue intersection with 99th Avenue.

Impacts: Inclusion of aesthetic enhancements has a direct impact on the project estimate. As of August 22, 2020, the cost estimate for bridge aesthetics and monumentation is approximately $800,000; this is a conservative estimate that assumed the most expensive of each the bridge and entry monumentation concepts. The IGA will need to be amended to identify funding and maintenance responsibilities.

Additional Information:

- A virtual meeting was held on June 26, 2020 with the Project Partners to discuss the initial concepts. The concepts shown as part of the Draft SDR and Plans reflect input received during the meeting.

Action Requested:

1. Select aesthetic enhancement concept at New River bridge and entry monumentation.

Attachments:

- **Attachment A:** Northern Parkway Landscape and Aesthetics Technical Memorandum

Attachment A

Northern Parkway: Agua Fria River to 99th Avenue

DRAFT

Technical Memorandum – Landscape and Aesthetics

Consultant:	Burgess & Niple, Inc.
Sub Consultant	J2 Engineering
Project No:	TT0600
ADOT Project No:	T0188 01L
Federal Aid No:	STBGP MMA-0(280)D
Contract No:	2018-036

Maricopa County
Department of Transportation
2901 W. Durango Street
Phoenix, AZ 85009

August 2020

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Appendix A Roadway Aesthetics Conceptual Design

100 INTRODUCTION

The proposed Northern Parkway is a 12.5-mile regional transportation facility that extends from Loop 303 to Grand Avenue (US 60). From west to east, it follows the Butler Drive alignment between Loop 303 and Litchfield Road north of Luke Air Force Base (LAFB) and shifts southeastward to an alignment along the current Northern Avenue alignment. The selected alternative, as indicated in the Northern Parkway 2010 Final Design Concept Report (DCR), dated April 2010, is located in Maricopa County and the cities of El Mirage, Glendale, and Peoria.

Maricopa County Department of Transportation (MCDOT) proposes to improve, as a part of the 2010 Northern Parkway program, Northern Avenue by constructing new paved roadways including utilities and irrigation relocations. Northern Parkway is an urban principal arterial. West of the Agua Fria River bridge, Northern Parkway is fully access controlled and has a design speed of 60 mph. East of the Agua Fria River bridge, the facility changes character as it enters the city of Peoria. MCDOT Project TT0600 Northern Parkway Scoping Assessment: Agua Fria River to 99th Avenue will include tasks to gather consensus among the Northern Parkway partners to define the design criteria and typical section for Northern Avenue between the Agua Fria River Bridge and 99th Avenue and to update the proposed improvements to align with MCDOT construction project TT0347 to the west and MCDOT Project TT0573 to the east.

The purpose of this technical memorandum is to present the landscape and aesthetic concepts developed for Northern Parkway, Agua Fria River to 99th Avenue.

100.1 Project Background

Based on the DCR, the future Northern Parkway ultimate configuration would generally consist of six through lanes (three travel lanes in each direction with a raised median). Grade-separated Traffic Interchanges (TI) would enhance traffic flow at major arterial intersections, including Sarival Avenue, Reems Road, Litchfield Road, Dysart Road, El Mirage Road, 99th Avenue, 97th Avenue, 93rd Avenue (west ramps), 91st Avenue (east ramps), 83rd Avenue, and 75th Avenue and an underpass at 103rd Avenue. Major bridges are proposed that will cross the Agua Fria River, New River, Grand Avenue, and a bypass bridge will cross over Loop 101.

The purpose and need for Northern Parkway is to provide a regional transportation facility in the West Valley which reduces travel time, increases capacity, improves traffic safety, provides connectivity to the regional roadway network, promotes economic vitality, and serves population and employment growth. The MCDOT Major Streets and Routes Plan (MSRP) 2011 classifies Northern Parkway as a principal arterial. The DCR did not include transit infrastructure along Northern Parkway as transit service is not planned along the corridor. Glendale Avenue, one mile to the south, serves as a regional transit corridor.

Northern Parkway is a multi-agency project with the city of El Mirage, city of Glendale, Maricopa County, and the city of Peoria, together referred to as the Partner Agencies. Each Partner Agency has a representative that makes up the Northern Parkway Executive Committee. The Partner Agencies all have a financial role in the project, have jurisdiction along the proposed route, and have had the primary roles in developing the Northern Parkway design concept. An Intergovernmental Agreement (IGA) between the Partner Agencies was developed by the Executive Committee and given final approval on December 18, 2008. In addition, Northern Parkway Executive Committee Bylaws were developed by the committee and approved on February 19, 2009, and amended on March 18, 2010. The IGA and bylaws identify MCDOT as the lead agency for final design and construction of Northern Parkway. The Arizona Department of Transportation (ADOT), Federal Highway Administration (FHWA), Maricopa Association of Governments (MAG), Flood Control District of Maricopa County (FCDMC), and LAFB are primary stakeholder agencies. For the purpose of this document, the term Project Partners includes the Partner Agencies and ADOT, FHWA, MAG, and FCDMC.

MCDOT Project TT0600 Northern Parkway Scoping Assessment: Agua Fria River to 99th Avenue, ADOT Project Number T0188 01L is meant to aid the Northern Parkway Project Partners in evaluating the Northern Parkway

program, in terms of configuration needs, phasing, and identification of gaps in the Northern Parkway program. The purpose includes the production of pre-design level plans available for consideration to advance to design and construction in the funded portion of the program (which ends fiscal year 2026). This project will confirm the ultimate right-of-way needs, allowing agencies to move forward with economic development opportunities. It generally consists of scoping level design and coordination of the following:

- Additional through lanes on Northern Avenue to provide three through-lanes in each direction;
- Medians, sidewalks, and bike lanes on Northern Avenue;
- Intersection improvements including additional turn-lanes and storage bays;
- Modification of access points to Northern Avenue to improve safety and increase capacity;
- Improvements and reconfigurations as necessary to local streets to improve circulation and reduce unsignalized left-turn movements along Northern Avenue;
- Improvements as necessary to 115th Avenue, 111th Avenue, 107th Avenue, and 103rd Avenue (pavement reconstruction to the limits of necessary storage bays or tie-in points and signing and striping design to adequate limits);
- Identification of impacted utilities, including irrigation, and the resulting impacts on budget and schedule
- Identification of right-of-way needed to construct the proposed facilities including the needs for utility relocations, drainage basins, and future transit; and
- Aesthetic and landscape improvements.

MCDOT Project TT0600 Northern Parkway, Agua Fria River to 99th Avenue is a roadway, traffic and bridge scoping project that includes three Northern Parkway construction segments presently identified as follows:

- TT0500 Northern Parkway: Agua Fria River to 112th Avenue;
- TT0501 Northern Parkway: 112th Avenue to 107th Avenue; and
- TT0502 Northern Parkway: 107th Avenue to 99th Avenue.

100.2 Project Location and Description

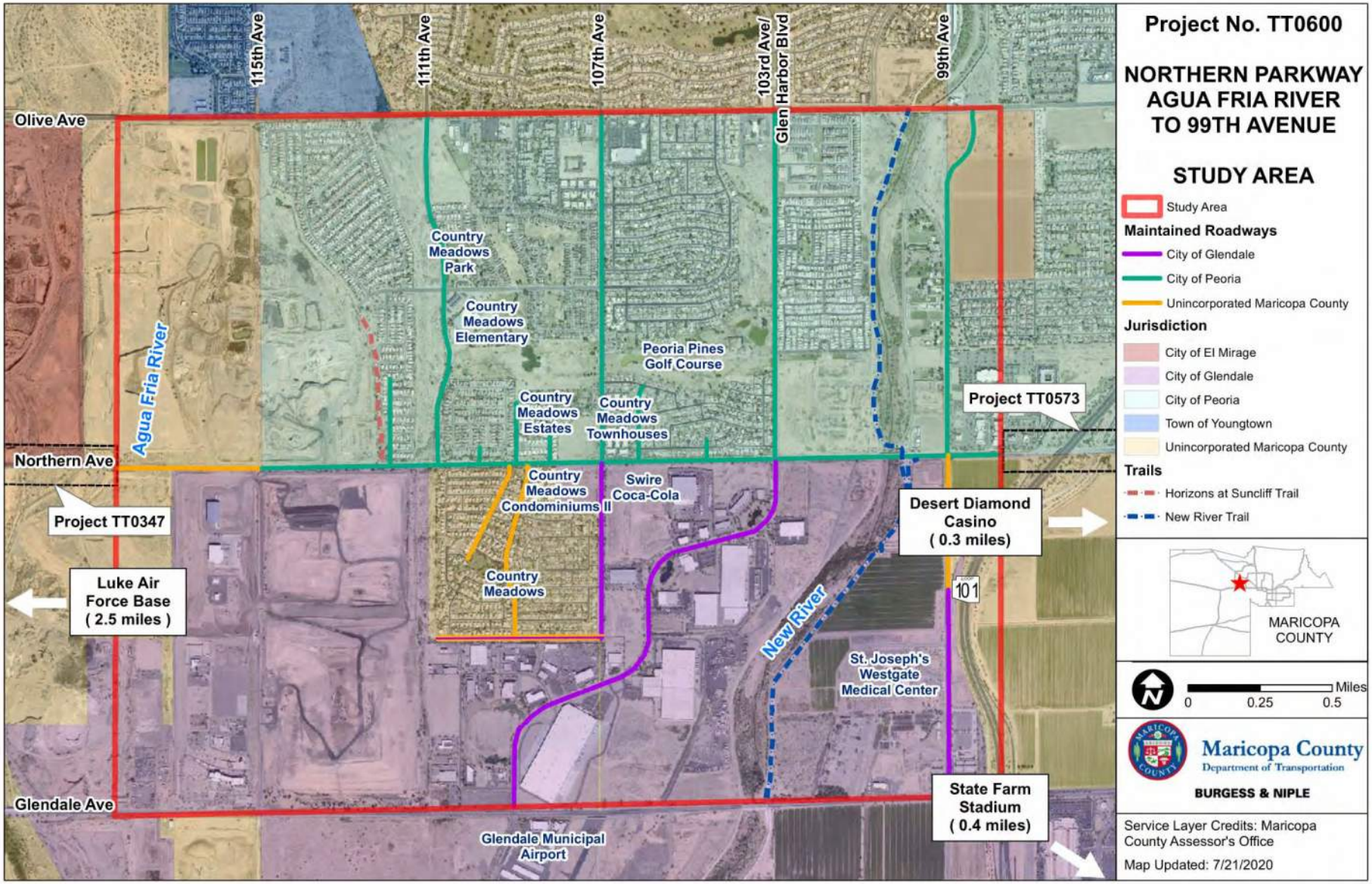
MCDOT Project TT0600 studies the 2.5-mile segment of Northern Avenue, between Agua Fria River and 99th Avenue, located in Maricopa County Board of Supervisors District 4. Major features located within or near the project area include the Agua Fria River, New River, LAFB to the west, Glendale Municipal Airport to the south, and Loop 101 traffic interchange, Desert Diamond Casino, and State Farm Stadium to the east. Major intersecting arterial streets include 107th Avenue, 103rd Avenue/Glen Harbor Boulevard, and 99th Avenue. South of Northern Avenue, 103rd Avenue becomes Glen Harbor Boulevard.

The project is located within Township 3 North, Range 1 West, Section 36; Township 2 North, Range 1 West, Section 1; Township 3 North, Range 1 East, Section 31 through 32; Township 2 North, Range 1 East, Section 5 through 6 of the Arizona State Plane. The study area generally consists of rolling terrain with and average project elevation of 1,080 feet. The project area is bound by the Agua Fria River to the west and New River to the east. Drainage within the project area is routed to both watersheds with the high point near 105th Lane.

Land uses within the study area include residential, industrial, open space, other employment, and vacant.

Figure 1 illustrates a project location map.

Figure 1 – Study Area Map



200 EXISTING FEATURES

The existing corridor is a mix of high density single family residential, industrial, and commercial sites all with a varying level of planting density and plant species. The project corridor includes a series of Homeowners' association (HOA) maintained landscapes, all planted with xeriscape materials including, Native Mesquite (Prosopis velutina) Blue Palo Verde (Parkinsonia florida), Palo Blanco (Acacia willardiana), and Caesalpinia cacalaco (Cascalote). The inert groundcover material is also of varying color, size, and gradation, noted materials included; River rock drainage swales, surface select boulders, pink quarter inch minus decomposed granite, and gold half inch minus decomposed granite. The existing property wall are also of varying height, colors, textures, and finishes noted wall materials included; Integral colored concrete masonry units (CMU), painted CMU block, fence block, CMU block with stucco and painted finish with brick cap, and brick columns.

300 LANDSCAPE TREATMENTS CONSIDERED

300.1 Diversity of Landscape Palette

The proposed landscape palette (Figure 2 in Appendix A) for the Northern Parkway was developed based on input received from the stakeholders, as well as a site review walk of the existing corridor where the project team noted existing species already established within project boundary. All proposed plant material is currently on the Arizona Department of Water Resources (ADWR) approved plant list for right of way plantings. Tree species were selected for their low maintenance requirements, low water requirements, mature canopy size, and those having non-invasive roots. Inert materials were selected based on their existing presence in the corridor and range from ¾" screened decomposed granite, a "desert pavement" blend which is a mix of 3"-8" minus material, 4"-8" rip-rap at significant drainage flows, and surface select boulders at key locations and nodes.

Landscaping is anticipated to be included in the median, and along each side of Northern Avenue for the majority of the project limits. Landscaping locations are being coordinated with the Project Partners.

400 AESTHETIC TREATMENTS CONSIDERED

400.1 Bridge

The proposed aesthetic enhancements to the bridge over New River (Figure 3-1, 3-2 in Appendix A) take into account the City of Peoria's desire to provide not only a unique visual appearance to the bridge but also to a provide an enhanced user experience for pedestrians, cyclists, and maintenance workers. The multi-use path is separated from roadway traffic with a vehicular barrier wall, and protection at the edge of the bridge is provided by a pedestrian barrier fence. The overall barrier height is a minimum of 4'-6" (54") as required for all multi-use pathways, as documented by AASHTO.

400.1.1 Median Barrier Wall

A median barrier wall is not applicable to the bridge over New River as the current intent is to widen the existing median which will act as the dividing barrier between westbound and eastbound traffic. The median will be defined by 6" curbs and be infilled with concrete unit pavers.

400.1.2 Vehicular Barrier Wall

A vehicular barrier wall consisting of two components, a 2' tall concrete barrier with a 2'-6" steel fence is proposed to achieve the minimum barrier height of 4'-6". Refer to figures 3-1 and 3-2 in Appendix A for additional information on the four proposed concepts. After initial stakeholder input the City of Peoria would like to move forward with the following concepts: Gateway, Architectural Pattern, and River. These concepts will be further developed during the next design phase. The Mountain Range design concept is shown as reference only.

400.1.3 Pedestrian Barrier Fencing

A pedestrian barrier fence consisting of two components, an 8" tall concrete curb with a 3'-10" steel fence is proposed along the edges of the bridge. The pedestrian barrier fence will be constructed using similar materials from the selected design concept.

400.2 Sound Walls

Two sound wall construction types were reviewed by the design team, concrete masonry units, and poured in placed concrete. After feedback was received from the stakeholders, it was determined that the concrete masonry unit construction was more advantageous to the overall project and is the recommended method for this portion of Northern Parkway.

400.2.1 Concrete Masonry Unit (CMU) Wall with Pattern

The CMU walls are based on Arizona Department of Transportations (ADOT) standard details 8.02-1 and 8.02-2 for sound barrier wall construction. The current proposed height of 12' feet will need to be further evaluated after a sound study is completed through the corridor, at which point the final height will be determined based on data gathered from the study. The CMU wall concepts (Figure 4-1, 4-2,4-3 in Appendix A), currently focus on overall pattern and scale. Once a pattern is selected from the proposed concepts, color options will be prepared by the design team and presented to the stakeholder group for review and selection. It is intended that the CMU wall be constructed of block types with different finishes including split face, standard, or ground block, and that all block have integral color to eliminate the need for on-going painting and maintenance.

400.2.2 Poured in Place Concrete Wall with Rustication Pattern

The cast in place sound wall construction method based on ADOT's standard detail SD8.01 was reviewed by the design team as well as the stakeholder group and determined it was not applicable for this portion of the Northern Parkway project and is not recommended for further design refinements in the next phase.

400.3 Entrance Monument / Gateway Element

400.3.1 Gateway Across Northern

As Northern Avenue transitions from freeway to arterial roadway section at 115th Avenue, this would be the ideal location of a gateway feature (see figures 6-1, 6-2, 6-3 in Appendix A) that would span across the lanes of Northern Avenue to provide that visual reinforcement of reaching a unique destination. The opposite end of the project between New River Bridge and 99th Avenue would also be an ideal location for a gateway monument.

400.3.2 Entry Monument at West End of Project

The following corners near the western edge of the project boundary have been identified as potential locations for the proposed entry monuments: the southeast corner of 115th Avenue and Northern Avenue, and the northwest corner of 111th Avenue and Northern Avenue, as both of these locations have available right of way and access to nearby power sources.

400.3.3 Entry Monument at East End of Project

The following corners near the eastern edge of the project boundary have been identified as potential locations for the proposed entry monuments: the northwest corner of the New River Bridge and Northern Avenue, and the northwest corner of 99th Avenue and Northern Avenue, as both of these locations have available right of way and access to nearby power sources.

400.4 Shade Initiative

400.4.1 Shaded Pedestrian Nodes at Regular Intervals Along Project Length

In addition to providing a unique user experience on the bridge, the City of Peoria also desires to enhance the user experience throughout the City along roadway frontages by providing increase tree canopy cover over the sidewalk as well as providing single post shade canopies at set intervals along the corridor. The placement of the shade canopy structure shall function as a rest node complete with a small bench, trash receptacle, and a hardscape area large enough to accommodate a 60" Diameter turning movement to comply with ADA section 304. The materials, colors, and textures of the rest node shall match those selected for use at the bridge and sounds walls to create a cohesive aesthetic palette across all proposed hardscape improvements.

500 Evaluation of Proposed Treatments

Landscape and aesthetics concepts developed within the project area are being reviewed and evaluated by the Project Partners and will continue to be coordinated throughout the project duration.

600 Cost Estimate

Preliminary cost estimates were developed based on the initial landscape areas, bridge aesthetic concepts, sound wall concepts, and entry monument/gateway concepts.

NORTHERN PARKWAY: AGUA FRIA RIVER TO 99TH AVENUE

Trees

Acacia aneura
Mulga

Caesalpinia mexicana
Mexican Bird of Paradise

Cercis candadensis v. texensis
Texas Redbud

Chilopsis linearis
Desert Willow

Pistacia x 'Red Push'
Red Push Pistache

Vitex agnus-castus
Monk's Pepper Tree

Shrubs

Eremophila glabra
Outback Sunrise Emu

Eremophila hygrophana
Blue Bells

Lantana X 'New Gold'
'New Gold' Lantana

Muhlenbergia rigens
Deer Grass

Ruellia peninsularis
Desert Ruellia

Tecoma X 'Orange Jubilee'
Orange Jubilee

Accents

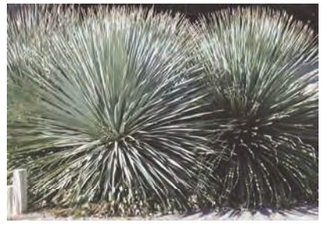
Agave americana
Century Plant

Agave parryi
Parry's Agave

Aloe barbadensis
Medicinal Aloe

Bougainvillea
Oo-La-La Bougainvillea

Carnegia gigantea
Saguaro



Dasylirion wheeleri
Desert Spoon

Fouquieria splendens
Ocotillo

Hesperaloe funifera
Giant Hesperaloe

Hesperaloe parviflora
Red Yucca

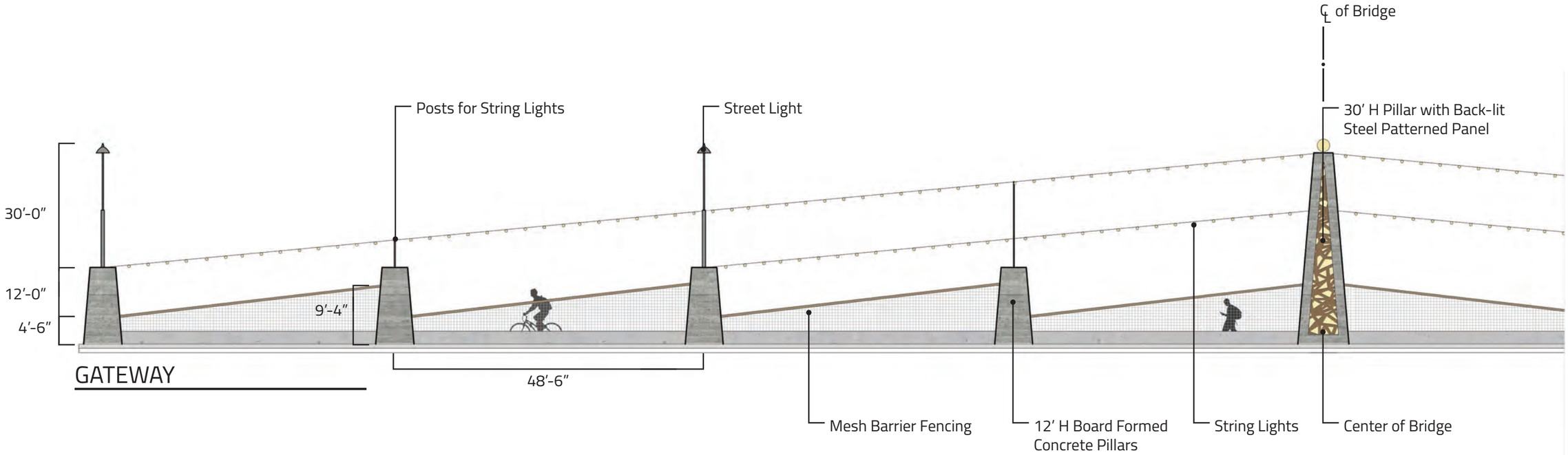
Proposed Inert Materials

3/4" Screened Decomposed Granite Color: Desert Gold

Desert Pavement
3" Base with 3"-8" Blend
Color: Indigenous Brown

4"-8" Rip Rap Apron
Color: Indigenous Brown

Surface Select Boulders



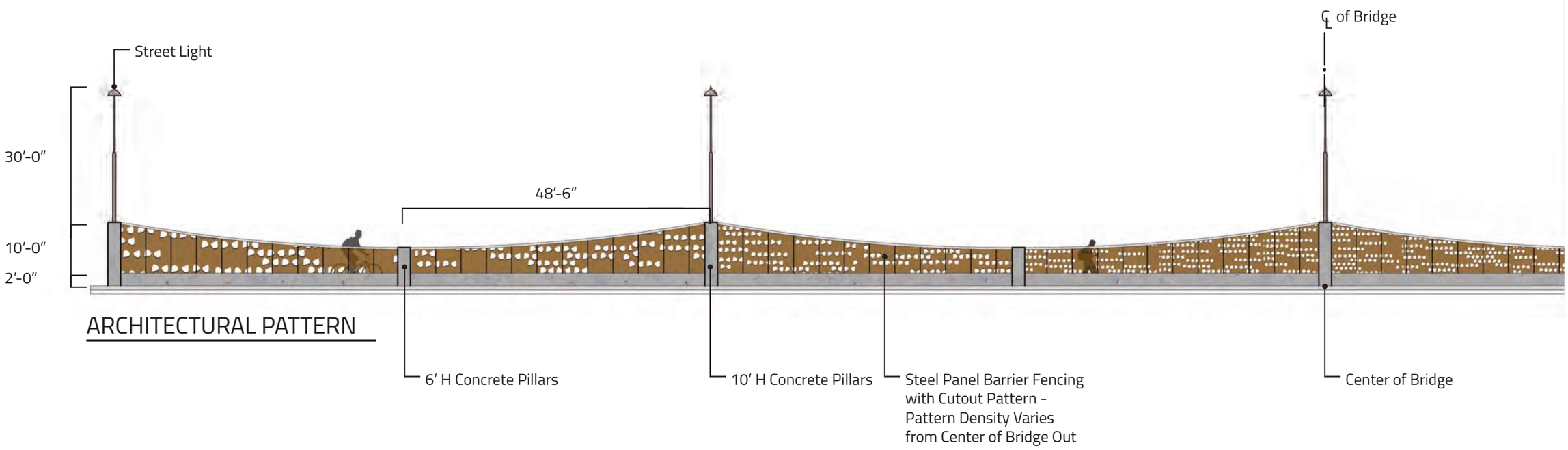
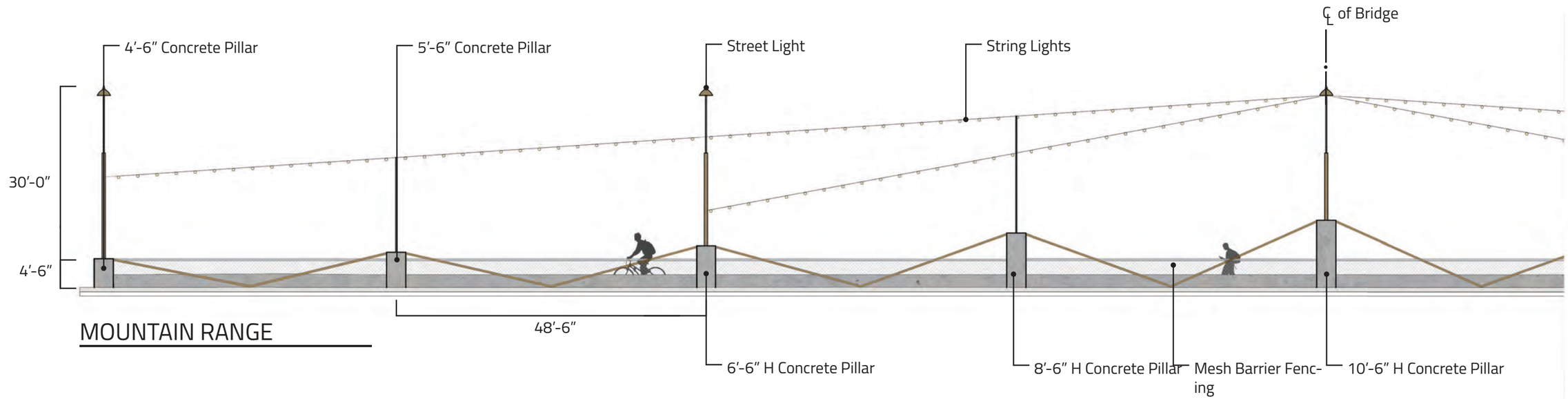


Figure 3-1 | Bridge Aesthetic Concepts - View from Roadway



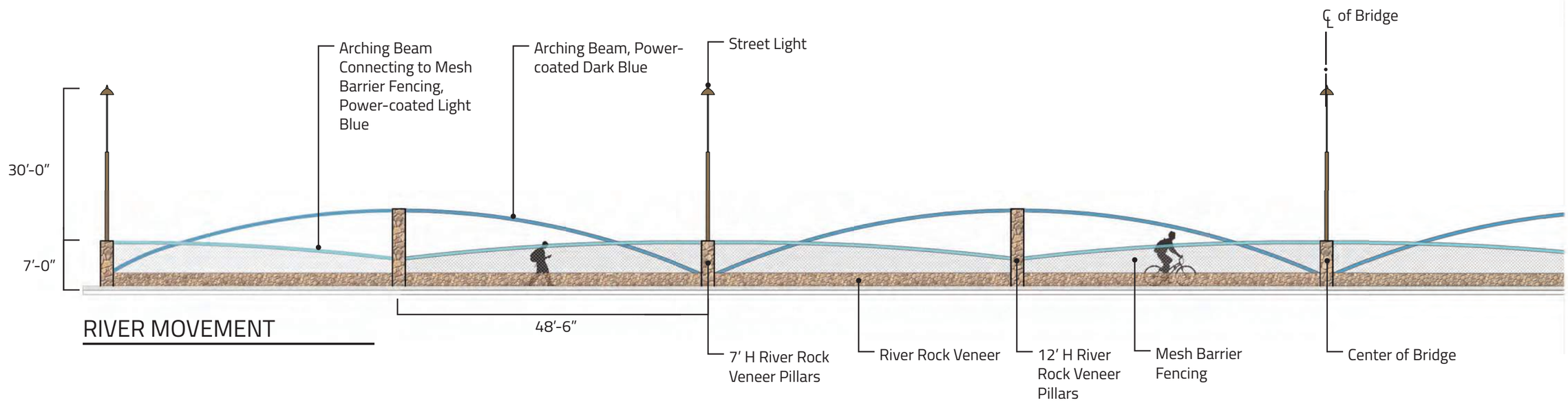


Figure 3-2 | Bridge Aesthetic Concepts - View from Roadway

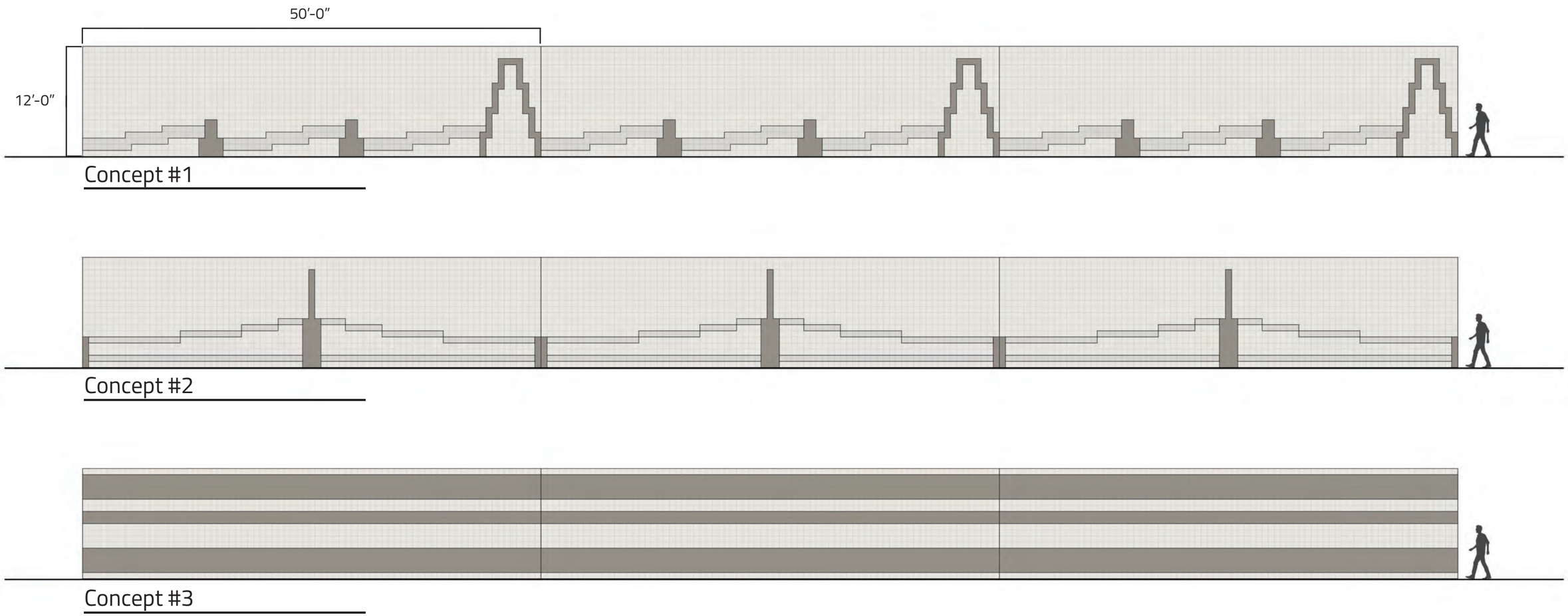
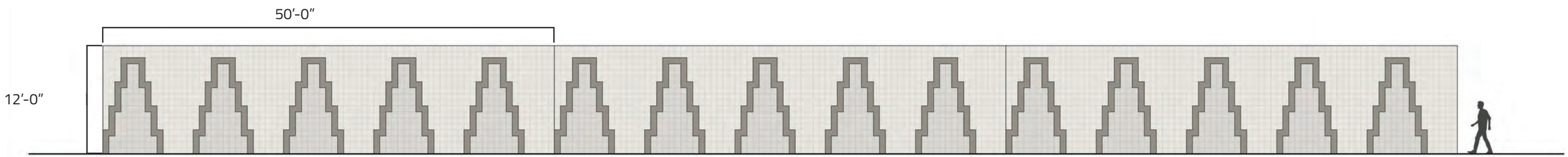
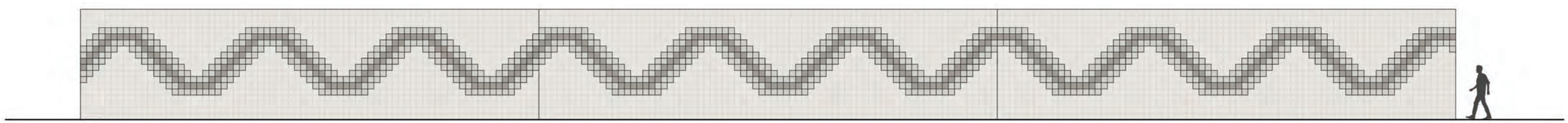


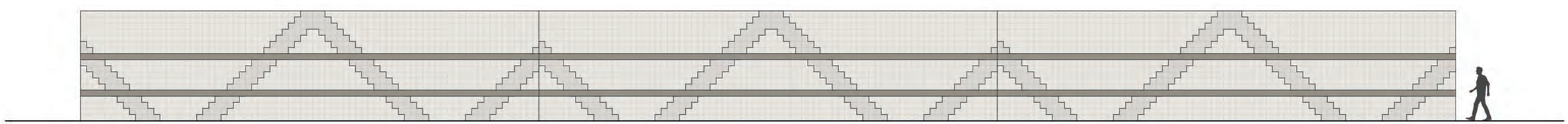
Figure 4-1 | CMU Sound Wall Concepts



Concept #4

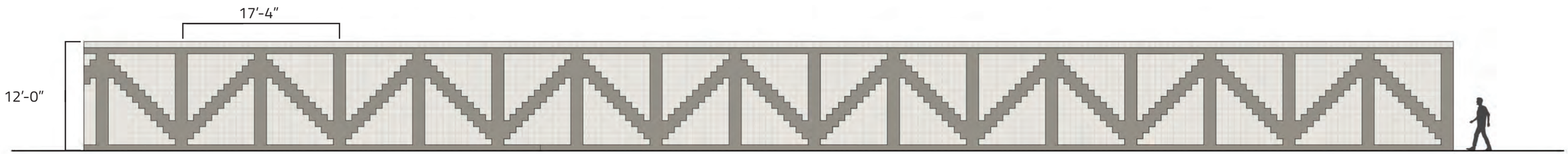


Concept #5

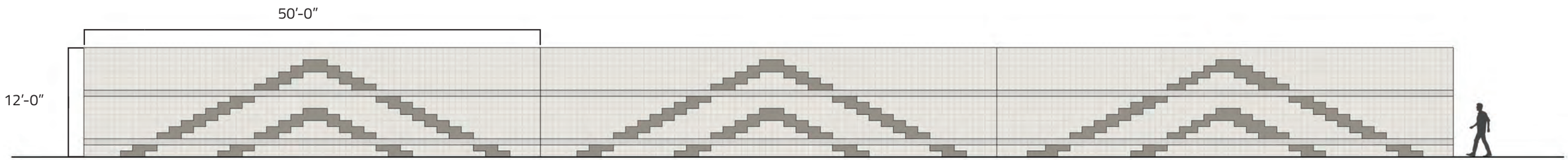


Concept #6

Figure 4-2 | CMU Sound Wall Concepts



Concept #7



Concept #8

Concept #9

Figure 4-3 | CMU Sound Wall Concepts

DEFINITION

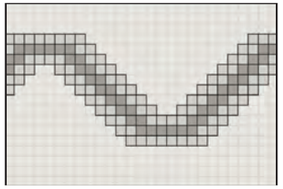
Gateway — means of access to a place achieving a state or condition

CONNECTIONS to CONTEXT

color
clean, bold

geometry
intersection

pattern and texture



COLOR PALETTES

earth

sky

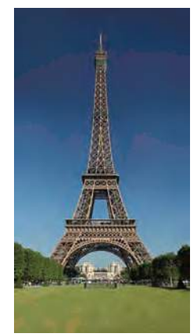
growth

APPLICATION

intersection
confluence
> OF — travel / municipalities

threshold
passage
> TO — points beyond / back home

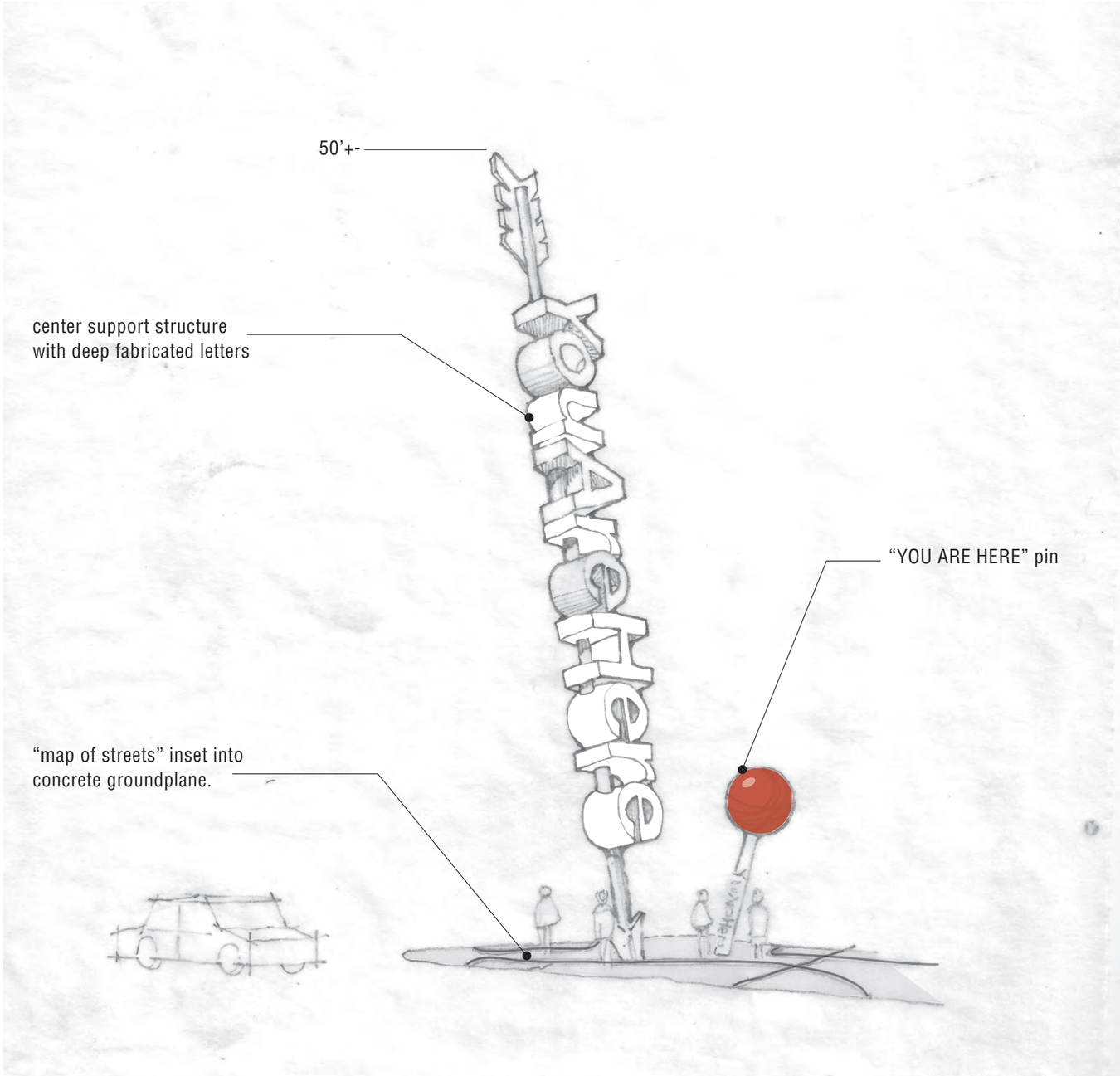
CONCEPTUAL APPROACHES



vertical statement

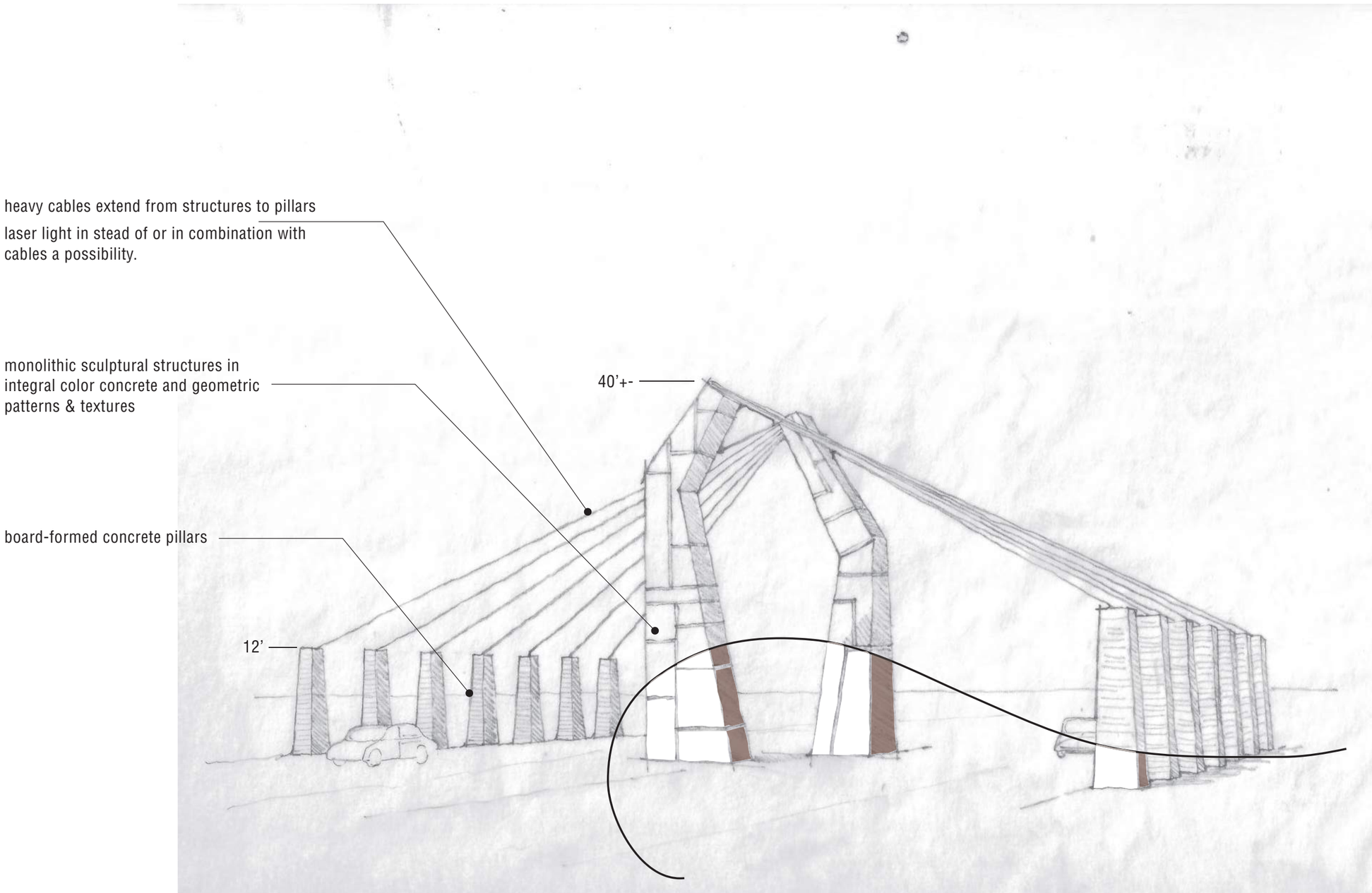
passage

multiples in movement



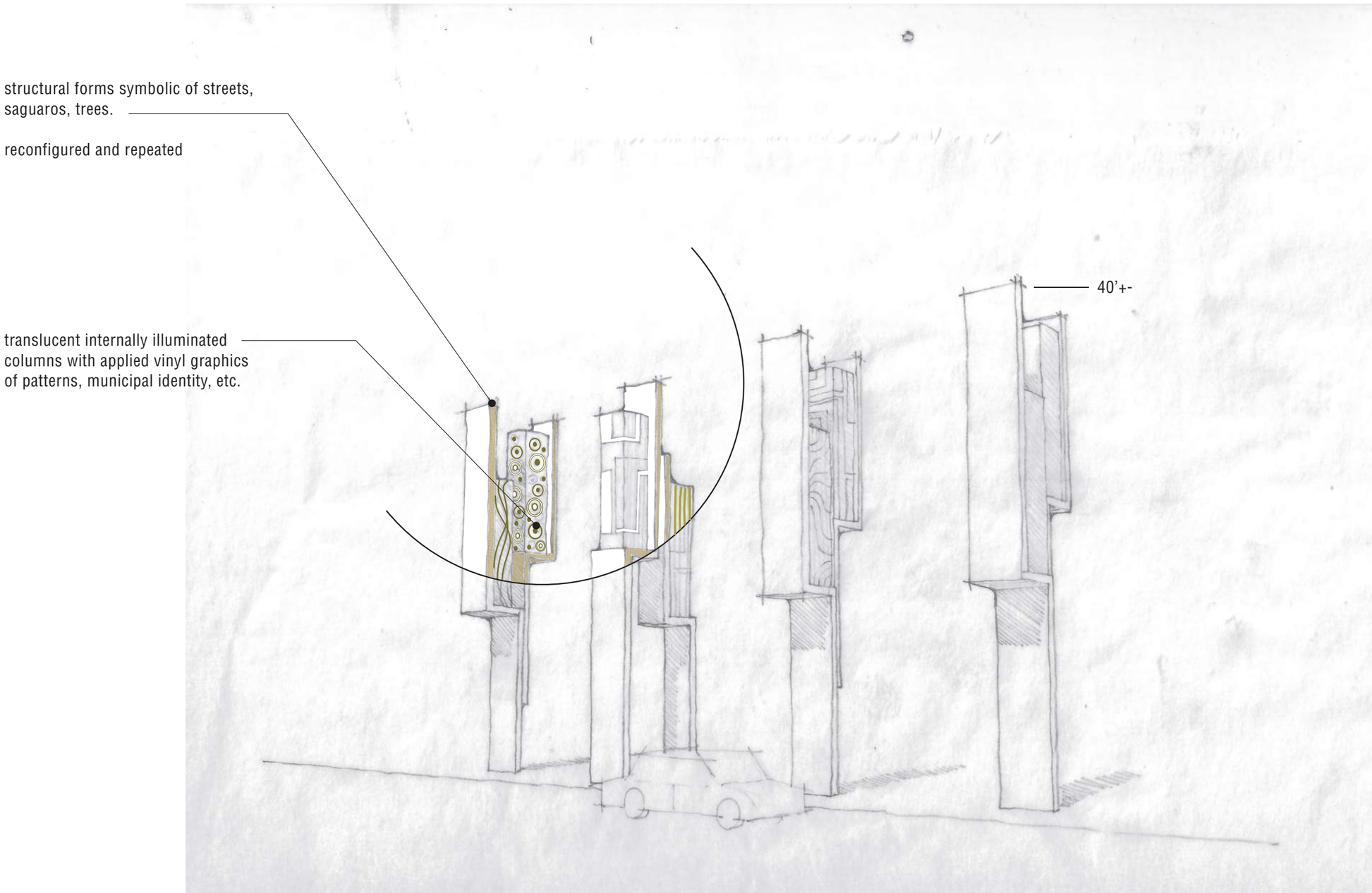
VERTICAL STATEMENT

Figure 6-1 | Wayfinding Monument Concepts



PASSAGE

Figure 6-2 | Wayfinding Monument Concepts



MULTIPLES IN MOTION

Figure 6-3 | Wayfinding Monument Concepts

Figure 7-1

Northern Parkway | 25% Opinion Of Probable Cost | 8.21.2020

Segment 1 - Agua Fria to 112th

Item	Description	Unit	Quantity	Unit Cost	Extended Amount
430.01000	Landscape / Planting and Irrigation	LS	1	$ 751,272.00	$ 751,272.00
505.19000	8' Tall Decorative CMU Soundwall - ADOT SD-8.02	SF	0	$ 20.00	$ -
804.01000	Bridge Aesthetics - Decorative Fencing, Enhanced Decorative Concrete Columns	LF	0	$ 160.00	$ -
804.02000	Internally Illuminated Entry Monument	EA	1	$ 250,000.00	$ 250,000.00
				Subtotal Agua Fria to 112th Ave.	$ 1,001,272.00

Segment 2 - 112th to 103rd

Item	Description	Unit	Quantity	Unit Cost	Extended Amount
430.01000	Landscape / Planting and Irrigation	LS	1	$ 753,516.00	$ 753,516.00
505.19000	8' Tall Decorative CMU Soundwall - ADOT SD-8.02	SF	32,016	$ 20.00	$ 640,320.00
804.01000	Bridge Aesthetics - Decorative Fencing, Enhanced Decorative Concrete Columns	LF	0	$ 160.00	$ -
804.02000	Internally Illuminated Entry Monument	EA	0	$ 250,000.00	$ -
				Subtotal Agua Fria to 112th Ave.	$ 1,393,836.00

Segment 3 - Western 103rd Limits to Eastern Limits

Item	Description	Unit	Quantity	Unit Cost	Extended Amount
430.01000	Landscape / Planting and Irrigation	LS	1	$ 662,940.00	$ 662,940.00
505.19000	8' Tall Decorative CMU Soundwall - ADOT SD-8.02	SF	0	$ 20.00	$ -
804.01000	Bridge Aesthetics - Decorative Fencing, Enhanced Decorative Concrete Columns	LF	1,850	$ 160.00	$ 296,000.00
804.02000	Internally Illuminated Entry Monument	EA	1	$ 250,000.00	$ 250,000.00
				Subtotal Agua Fria to 112th Ave.	$ 1,208,940.00

Segment 4 - Augusta Ave.

Item	Description	Unit	Quantity	Unit Cost	Extended Amount
430.01000	Landscape / Planting and Irrigation	LS	1	$ 25,806.00	$ 25,806.00
505.19000	8' Tall Decorative CMU Soundwall - ADOT SD-8.02	SF	0	$ 20.00	$ -
804.01000	Bridge Aesthetics - Decorative Fencing, Enhanced Decorative Concrete Columns	LF	0	$ 160.00	$ -
804.02000	Internally Illuminated Entry Monument	EA	0	$ 250,000.00	$ -
				Subtotal Agua Fria to 112th Ave.	$ 25,806.00

Total Base Bid Segment 1 - 4	$ 3,629,854.00
20% Construction Contingency	$ 725,970.80
Total 25% Opinion of Probable Cost	$ 4,355,824.80

Implementation and Phasing

Background:

The MCDOT and MAG funding plans have a single project number for the design and construction of the Northern Parkway improvements from the Agua Fria River to 99th Avenue. If the improvements continue to be combined into a single project number, the right-of-way, utility, environmental and permitting clearances will be tied together. ***Table 1*** lists some of the risks and benefits of leaving the improvements within a single project or separating into multiple projects.

Table 1 – Implementation Risks and Benefits

Option	Benefits	Risks/Questions to be answered
Single Project	• Single design project. • Single construction project and contractor. • May be easier to obligate funding within the time constraints.	• Keeps all schedule related risk in a single contract. For example, right-of-way acquisition and clearance related to construction of walls or relocating condominium access could prevent the construction of Orangewood Avenue or the New River bridge. Conversely, prolonged permitting from the Army Corp of Engineers related to construction within the New River and its levy system could prevent the project from being let.
Multiple Projects	• Decouples risk between clearances and permitting requirements with improvements that do not require said permits and clearances. • May allow the advancement of some improvements that offer independent utility.	• How many projects should there be? • What are the limits of each project? • In what order should the projects be constructed? • Should the projects be designed under a single contract or through multiple contracts? • How will the letting of the projects for construction be managed to ensure that adjacent contractors and traffic control are not in conflict?

Impacts: No action is required if the improvements remain in a single project. If multiple projects are advanced, decisions will need to be made regarding project limits and phasing and MAG and MCDOT will need to create multiple federal project numbers. A potential multi-project approach is included within the draft Scoping and Design Report.

Additional Information:

None.

Action Requested:

1. Discuss in greater detail with funding experts Kim Richards and Chuck Williams to better understand decision implications and to answer any questions that may arise.
2. Determine if all Northern Parkway Program improvements between the Agua Fria River and 99th Avenue should remain as a single project.

Attachments:

None.

IGA Items for Consideration

Background:

In December 2008, an intergovernmental agreement (IGA) was established between Maricopa County, city of El Mirage, city of Glendale, and city of Peoria for improvements to Northern Parkway from Loop 303 to Grand Avenue. The purpose of the IGA is to identify and define the responsibilities of the County and cities for cost sharing, design, construction, construction management, rights-of-way acquisition, utility relocation, and maintenance of the project. The IGA was developed for the fiscally constrained interim concept from the Northern Parkway DCR (2008) and right-of-way protection for the entire corridor.

Through discussions as part of MCDOT Project TT0600 Northern Parkway Agua Fria River to 99th Avenue, additional items to be considered for an IGA have been identified. These include:

- MCDOT and the cities of Glendale and Peoria regarding design standards for and implementation of aesthetics, landscaping, and lighting;
- MCDOT and the cities of Glendale and Peoria regarding maintenance of landscaping features and entry monumentation;
- FHWA, MAG, MCDOT, ADOT, Arizona Department of Public Safety, and the cities of El Mirage, Glendale, and Peoria, regarding ITS conduit allocation, maintenance and operation;
- MCDOT and the cities of Glendale and Peoria regarding maintenance and right-of-way and roadway improvement requirements for private developers;
- the cities of Glendale and Peoria regarding operations and maintenance responsibilities for cross jurisdictional drainage infrastructure such as curb inlets, pipes and basins;
- MAG and MCDOT for each project segment as MAG policies and procedures require an agreement be in place before any reimbursements can be made; and
- MCDOT and the cities of Glendale and Peoria regarding design standards, funding, and maintenance of privacy walls.

Impacts: The existing IGA will need to be amended to document agreements on topics above.

Additional Information:

None.

Action Requested:

1. Identify addendums for existing IGA or items to be included in existing IGA from list above.

Attachments:

- **Attachment A:** Northern Parkway Approved IGA
- **Attachment B:** Proposed Operations and Maintenance Responsibilities Exhibits

Attachment A

CLERK OF THE BOARD

HOLD FOR BASKET PICK UP

31-25

OFFICIAL RECORDS OF
MARICOPA COUNTY RECORDER
HELEN PURCELL
2008-1088049 12/26/08 02:26 PM
2 OF 2
ACUNAR

INTERGOVERNMENTAL AGREEMENT

BETWEEN MARICOPA COUNTY, THE CITY OF EL MIRAGE,

THE CITY OF GLENDALE AND THE CITY OF PEORIA

FOR IMPROVEMENTS TO NORTHERN PARKWAY

FROM SR 303 TO US 60 (GRAND AVENUE)

C. 91.09.081.M.00

This Intergovernmental Agreement ("Agreement") is between the County of Maricopa, a body politic, acting through the Maricopa County Department of Transportation ("County"), the City of El Mirage ("El Mirage"), the City of Glendale ("Glendale"), and the City of Peoria ("Peoria"), all Arizona municipal corporations. The County, El Mirage, Glendale and Peoria are collectively referred to as the "Parties" and individually as "Party", County, El Mirage, Glendale or Peoria.

This Agreement shall become effective as of the date it is filed with the Maricopa County Recorder pursuant to Arizona Revised Statutes (A.R.S.) §11-952, as amended.

STATUTORY AUTHORIZATION

1. A.R.S. §§ 11-251 and 28-6701 *et seq.* authorizes the County to layout, maintain, control and manage public roads within the County, and enter into this Agreement.

2. A.R.S. § 11-951 *et seq.* authorizes public agencies to enter into Intergovernmental Agreements for the provision of services or for joint or cooperative action.

3. A.R.S. § 11-951 *et seq.* and their respective Charters authorize El Mirage, Glendale and Peoria to enter into this Agreement.

L CON 15808

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L CON 15808

BACKGROUND

4. The planned Northern Parkway (the "Project") is 12.5 miles long, extending from 67th Avenue, at its intersection with Grand Avenue, to SR 303. The Project passes through or adjacent to the Cities of Glendale, Peoria, and El Mirage and unincorporated portions of Maricopa County. Other governmental entities potentially impacted by this Project are the Arizona Department of Transportation ("ADOT"), Luke Air Force Base ("Luke AFB") and the Flood Control District of Maricopa County ("FCDMC"). For the purposes of this agreement, the "Project" is defined as the limited, fiscally constrained interim concept included within the overall scope of the DCR and described in Appendix C of the DCR. The "Project" does not include the elements of the ultimate Northern Parkway concept that are envisioned in the DCR but unfunded at the time of this Agreement. Right-of-Way protection for the entire corridor is part of the project.

5. The proposed Project will be a principal arterial roadway with controlled and partially controlled access including grade-separated intersections at major cross streets as provided in the DCR.

6. The proposed Project will be a principal arterial that will have more traffic carrying capacity than a typical arterial and will enable traffic to travel faster compared to typical arterials. The Project will provide a much needed higher speed, higher capacity east-west route in the central portion of the West Valley where there are no east-west freeways currently planned. The Project will link El Mirage, central Glendale, unincorporated portions of Maricopa County, and southern Peoria to the rapidly developing far West Valley. Northern Parkway will also provide improved access from Peoria, El Mirage, unincorporated Maricopa County, and Glendale to downtown Phoenix via the Northern Parkway - Grand Avenue route.

7. The primary purpose of the Project is to increase east-west mobility in the West Valley. The principal features of the Project are grade separation at major intersections and controlled access to enhance mobility. Local access and local circulation will be provided in a controlled manner compatible with the primary goal of increased east-west mobility.

PURPOSE OF THE AGREEMENT

8. The purpose of this Agreement is to identify and define the responsibilities of the County and the Cities of El Mirage, Glendale, and Peoria for cost sharing, design, construction, construction management, rights-of-way acquisition, utility relocation, and maintenance of the Project.

LEAD AGENCY

9. a. Maricopa County is hereby designated as the Lead Agency for the Project. As Lead Agency the County will be responsible for leading planning and programming efforts, facilitating coordination with the Maricopa Association of Governments ("MAG"), as well as issuing and managing design and construction contracts, including field engineering and inspection work at the direction of the Executive Committee.

b. The Maricopa County Department of Transportation ("County") will provide the principal staffing support for the participants in the Northern Parkway IGA. Consultants may be retained to meet some staffing needs. The Cities or ADOT staff may also provide support as needed. Reimbursable staffing or consultant costs are subject to approval of the Executive Committee.

c. County staff will lead in providing the analysis and documentation needed by the Executive Committee to develop the Life Cycle Program, the Five-Year Program and the Annual Budget.

d. County staff costs and other necessary expenses (direct costs) will be considered as a local match.

DESIGN CONCEPT AND ENVIRONMENTAL ASSESSMENT

10. The County will perform its Lead Agency functions with the Project in accordance with the Design Concept Report ("DCR") and Environmental Assessment ("EA"). The design and priorities reflected in the DCR & Environmental Assessment may be modified by the Northern Parkway Executive Committee.

RIGHT OF WAY AND PERMITTING

11. a. The jurisdiction in which the Project segment resides will be responsible for obtaining and protecting necessary right-of-way, to the extent provided in their adopted budgets. In most cases, local jurisdictions will purchase right-of-way in their jurisdiction and where they are actively pursuing annexation. If a local jurisdiction fails to protect and purchase the right-of-way, then that jurisdiction authorizes the County to purchase, and if necessary, condemn required properties within their corporate limits for the purposes of this project. The County will be reimbursed for all reasonable and necessary costs associated with procuring the right-of-way within another jurisdiction, as prescribed in the 5 Year Program adopted by the Executive Committee.

b. All Parties shall issue a "No Cost" permit to the Lead Agency for any work being done within their incorporated boundaries relating to the Project.

c. All Parties shall submit any utility permits within the project limits to the County for review and comment. Parties shall not issue such utility permits until the County provides its comments.

FINAL DESIGN

12. The County will be responsible for final design of this Project based on the approved DCR. Funding responsibility shall be as prescribed in Paragraph 15 of this Agreement.

CONSTRUCTION

13. The County will be responsible for arranging and overseeing the construction of the Project facilities including field engineering and inspection of work. Funding

responsibility shall be as prescribed in Paragraph 15 of this Agreement.

MAINTENANCE AND OPERATION

14. a. Upon completion, the Project will be maintained and operated by the jurisdiction in which it is located, that is, Glendale, Peoria and Maricopa County, except as provided in Paragraph 14.b, below. When a City boundary divides the Project (with a portion to the north and a portion to the south) the Party to the north will maintain the structures and the mainline to the south curb line unless other agreements are made. When only a small portion of the Project rests in a jurisdiction, the jurisdiction with the larger adjacent portion will maintain the smaller portion of the Project.

b. The County will be responsible for Intelligent Transportation System (ITS) operations and maintenance. The Parties will develop an ITS Concept of Operations Plan for the corridor. This plan will be evaluated on an annual basis or if required by changes in traffic patterns. The Traffic Engineering Departments of the Parties agencies will meet on a monthly basis to discuss ITS operations along the corridor.

c. The County's department of transportation will operate the ITS system and maintain the ITS equipment. Operation and maintenance costs will be shared between the Party cities based on the percentage cost share depicted in paragraph #19. MCDOT will provide annual budget estimates to the cities for inclusion in their budget cycles and will invoice the cities on an annual basis for ITS services provided.

FUNDING

15. a. The principal source of funding for this Project is regional funding, and the Parties are required to collectively supply a minimum match of 30%. Jurisdictional responsibility for the local match portion of total Project costs will be 40% Glendale, 30% Maricopa County, 20% Peoria, and 10% El Mirage. Actual dollar amounts per year per jurisdiction are subject to the Parties governing body's Council/Board budget approvals. Minimum match shares for the Project and from each Party are due to the County 60 days before the funds are committed for any services to be rendered.

b. Any Party may volunteer to provide more funding to the project than the minimum match requirements, and these funds can be used to accelerate portions of the Project of interest to the Party if approved by the Executive Committee.

c. The County in coordination with MAG will maintain a financially balanced life cycle program to complete the Project. The program will be by year and will reference anticipated annual funding contributions by the contributing jurisdictions.

d. It is recognized that based on current cost estimates and projected funding, the ultimate design concept for the Project is under funded in the remaining years of the regional half cent sales tax. All Parties will explore and support opportunities to ensure adequate funding to complete the Project in a timely manner.

e. The Project will be constructed in accordance with the Design Concept Report (DCR). Glendale will be responsible for completing the Design Concept Report and the Environmental Assessment.

EXECUTIVE COMMITTEE

16. a. **Members.** A Northern Parkway Executive Committee (the "Executive Committee") shall be established consisting of four voting members and four nonvoting members ("Members"). Maricopa County, Glendale, Peoria and El Mirage will each have one vote. ADOT, MAG, Luke AFB, and FCDMC will have a seat on the Committee, but will be nonvoting Members.

b. **Representatives**. Each member jurisdiction shall appoint one representative to act on its behalf on all matters considered by the Executive Committee. Each member jurisdiction shall appoint two or more alternate representatives to serve when the appointed representative is unable to attend.

c. A Member jurisdiction may appoint a representative or alternate representatives that member jurisdiction may lawfully be appointed to act on its behalf. It is anticipated that the representatives and alternatives will be knowledgeable employees of the member jurisdictions Each voting member jurisdiction will be bound by the lawful actions of its representative to the Executive Committee.

d. **Quorum**. A quorum shall consist of the duly appointed representatives of three (3) of the voting members. The Executive Committee shall take no formal action unless a quorum is present.

e. **Decision-Making**. The Parties agree that the actions of the Executive Committee in bringing the Project to fruition significantly and profoundly affect the interests of the entire Executive Committee. To fully realize the goals, objectives and community benefits of the Project, approval from each Member is required. The Parties intend to develop and deliver the Project under mutually agreeable and beneficial terms. Formal decisions shall be made by unanimous vote of those voting. If a member is unable to attend an Executive Meeting, at which will be considered an element that concerns that member's jurisdiction, with proper notification to the Chairman, unless special circumstances (e.g., emergency) make notification impractical, consideration of this element will be tabled until the next Executive Committee Meeting. In lieu of a regularly scheduled meeting, the Committee Chairman may schedule a special meeting to consider the deferred agenda item.

f. **By-Laws, Policies and Procedures**. The voting Members of the Executive Committee shall adopt by-laws, policies, procedures, and protocols as deemed appropriate and as needed for issues that require a vote.

g. **Subcommittees.** The Executive Committee may establish subcommittees as deemed necessary to provide technical information and guidance.

BUDGET

17. a. **Life Cycle Program.** Each year the Executive Committee will adopt a Life Cycle Program to detail the total cost and funding needed to complete the Project.

b. **Five-Year Program.** By September 30th of each year, the Executive Committee will adopt a Five-Year Program budget for the five-year period to commence with the beginning of the next fiscal year. The Five Year Program budget shall be consistent with the Life-Cycle Program.

c. **Annual Budget**. By September 30th of each year the Executive Committee will adopt an annual budget for the next fiscal year. The Annual Budget shall be consistent with the Five Year Program and the Life-Cycle Program.

d. The Executive Committee will provide the Life Cycle Program, the Five-Year Program and the Annual Budget to each member jurisdiction at the respective time of adoption to inform them of the projected amount of expenditures required of each member in the upcoming year, over the next five years and over the life of the Project. The long lead-time will facilitate incorporation of the Project funding needs into the budget of the Parties.

e. **Expenditures**. The Executive Committee will:

- Adopt the annual budget, and
- Approve budget adjustments during the course of the year

REGIONAL REIMBURSEMENTS

18. a. The Project is 12.5 miles of principal arterial roadway with controlled or partially controlled access including grade-separated intersections at major cross streets. The Project is in the Regional Transportation Plan (RTP) adopted by the Maricopa Association of Governments (MAG).

b. A twenty year Arterial Life Cycle Program (ALCP) has been created, which includes the Project and the other arterial projects designated in the RTP. The ALCP is accomplished by a set of Policies and Procedures to guide the program and projects in the life cycle program.

c. To receive regional funding through the Arterial Life Cycle Program, Projects must meet the eligibility criteria established in the approved ALCP Policies and Procedures ("Policies"). Reimbursements will not be provided for the costs for any pre-existing, programmed or planned element or improvement that is not part of the specific improvement Project described or included in the RTP as of November 25, 2003 or later.

d. Improvements eligible for regional funding are limited to those specified in Section 320(D) of Project Eligibility in the ALCP Policies and Procedures approved on December 13, 2006. Prior right-of-way acquisitions and/or work that are part of a designated ALCP

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Project are eligible for reimbursement if:

1. the design, environmental and related planning studies and right-of-way acquisition was purchased/completed after November 1, 2002; or,

2. the construction and related activities was completed after November 25, 2003.

e. The cost of Project elements not eligible for reimbursement may be applied as a credit toward local matching contributions if certain conditions established in the Policies are met. These conditions include, but are not limited to, Project work included in the Parties' local jurisdiction or Lead Agency CIP or in the MAG TIP approved after the July 1, 2000.

✓ f. The total Regional funds budgeted for the Project are $221,074,000 (in 2007 dollars) and are programmed in the ALCP as follows: $45,873,000 in Phase I (FY 2008-2010); $2008-2010); $11,909,000 in Phase II (FY 2011-2015); $80,895,000 in Phase III (FY 2016–2020); and $82,397,000 in Phase IV (FY 2021-2026). These regional funds are to be used to reimburse the Parties undertaking RTP improvements and will be inflated by MAG to the date reimbursement is scheduled in the ALCP.

19. a. The Parties will cooperate in developing a MAG Project Agreement for the Project, pursuant to the RTP and the ALCP Policies and Procedures. The MAG Agreement may develop in phases. The MAG Project Agreement will establish the total amount of regional funds available for this Project and when those regional funds will become available to reimburse funding Parties in this Agreement, over the 20 year span of the RTP.

b. Under the terms of the RTP and the ALCP Policies and Procedures, reimbursements are limited to the amount specified in the RTP for the project or 70% of total eligible project expenditures, whichever is less.

✓ c. Based on the present (2007 dollars) MAG RTP budgeted amount of $221,074,000 in regional funding, and considering the percentage cost shares of each of the Parties, the respective minimum local contributions are as follows:

	Glendale	County	Peoria	El Mirage	Total
Projected Share (Percent)	40%	30%	20%	10%	100%
Projected Share (Dollars)	$37,898,400	$28,423,800	$18,949,200	$9,474,600	$94,746,000

COST SHARE RESPONSIBILITY

The table above illustrates the minimum match concept for funding the Project. In this

concept, 70% of the costs are regional and 30% are local. The local share will be provided as 40% Glendale, 30% County, 20% Peoria, and 10% El Mirage. Local contributions may be developer contributions or previous contributions in accord with MAG Arterial Life Cycle Policies and Procedures. Additional outside funding such as grants, ADOT funding, and MCFCD contributions will be applied to reduce overall costs and will not change percentage shares.

Any contributions or advancements above minimum match requirements are acceptable, but not required. Local contributions are due at the time of regional reimbursement. All funding contributions and advancements are subject to approval by the respective governing bodies.

SUMMARY OF RESPONSIBILITIES

20. **The County agrees to:**

a. Act as the lead agency for this project, as well as issue and manage design and construction contracts, including field engineering and inspection work, at the direction of the Executive Committee, after Glendale has completed the DCR and EA.

b. Protect and purchase necessary right-of-way needed for the project within its jurisdictional boundaries.

c. Purchase, and if necessary, condemn required properties within a Party's corporate limits for the purposes of this Project if a Party fails to protect and purchase necessary right-of-way for the Project. The County will be reimbursed as prescribed in the 5 Year Program adopted by the Executive Committee.

d. Maintain and operate the Project within its jurisdictional boundaries, unless other agreements have been made by the partners of this agreement.

e. Except as provided in Paragraph 17, contribute 30% of the local share of the Project cost, however, at no time, unless the Party so elects, shall the total cost share exceed that listed under Paragraph 19(c).

f. Re-negotiate and amend the existing IGA if Project costs increase by 10% or more.

g. Except as provided in Item h of this Paragraph, invoice the affected Parties for appropriate budgeted amounts of their minimum match shares, as prescribed in Paragraph 15, 90 days before the funds are to be committed for any services to be rendered. An alternate payment schedule may be arranged if determined necessary by the Executive Committee.

h. Operate and maintain the ITS system along the corridor. The County will provide partnering cities with annual budget estimates for ITS operating and maintenance costs and invoice the cities for ITS operating and maintenance cost on an annual basis.

21. **The City of Glendale agrees to:**

a. Act as the lead agency for the completion of the DCR and EA.
b. Issue a "No Cost" permit to the County for any work being done within the City's incorporated boundaries relating to this Project.
c. Authorize the County to purchase, and if necessary, condemn required properties within its corporate boundaries for the purposes of this Project, if the city fails to protect or purchase the necessary right-of-way for this Project.
d. Reimburse the County for all reasonable and necessary costs associated with procuring the right-of-way within its corporate boundaries, as prescribed in the 5 Year Program adopted by the Executive Committee.
e. Except as provided in Paragraph 17, contribute 40% of the local share of the Project cost, however, at no time, unless the Party so elects, shall the total cost share exceed that listed under Paragraph 19(c).
f. Maintain and operate the Project, excluding the ITS system, within its jurisdictional boundaries unless other agreements have been made by the Parties to this agreement.
g. Re-negotiate and amend the existing IGA if Project costs increase by 10% or more.
h. Except as provided in Item i of this Paragraph, remit payment to the County for appropriate budgeted amounts of their minimum match shares, as prescribed in Paragraph 15, within 30 days of receiving a proper invoice. An alternate payment schedule may be arranged if determined necessary by the Executive Committee.
i. Remit payment to the County for ITS operations expenses within 30 days of receiving a proper invoice.

22. **The City of Peoria agrees to:**

a. Issue a "No Cost" permit to the County for any work being done within the City's incorporated boundaries relating to this Project.
b. Authorize the County to purchase, and if necessary, condemn required properties within its corporate boundaries for the purposes of this Project, if it fails to protect or purchase the necessary right-of-way needed for this Project.
c. Reimburse the County for all reasonable and necessary costs associated with procuring the right-of-way within their corporate boundaries, as prescribed in the 5 Year Program adopted by the Executive Committee.
d. Except as provided in Paragraph 17, contribute 20% of the local share of the Project cost, however, at no time, unless the Party so elects, shall the total cost share exceed that listed under Paragraph 19(c).
e. Maintain and operate the Project, excluding the ITS system, within its jurisdictional boundaries, unless other agreements have been made by the Parties to this agreement.
f. Re-negotiate and amend the existing IGA if Project costs increase by 10%

or more.

g. Except as provided in Item h of this Paragraph, remit payment to the County for appropriate budgeted amounts of their minimum match shares, as prescribed in Paragraph 15, within 30 days of receiving a proper invoice. An alternate payment schedule may be arranged if determined necessary by the Executive Committee.

h. Remit payment to the County for ITS operations expenses within 30 days of receiving a proper invoice.

23. **The City of El Mirage agrees to:**

a. Issue a "No Cost" permit to the County for any work being done within the City's incorporated boundaries relating to this Project.

b. Authorize the County to purchase, and if necessary, condemn required properties within its corporate boundaries for the purpose of this Project, if it fails to protect or purchase the necessary right-of-way needed for this Project.

c. Reimburse the County for all reasonable and necessary costs associated with procuring the right-of-way within their corporate boundaries, as prescribed in the 5 Year Program adopted by the Executive Committee.

d. Except as provided in Paragraph 17, contribute 10% of the local share of the Project cost, however, at no time, unless the Party so elects, shall the total cost share exceed that listed under Paragraph 19(c).

e. Acknowledge that El Mirage will not have any cost incurred for maintenance and operations unless other agreements have been made by the partners of this agreement.

f. Re-negotiate and amend the existing IGA if Project costs increase by 10% or more.

g. Except as provided in Item h of this Paragraph, remit payment to the County for appropriate budgeted amounts of their minimum match shares, as prescribed in Paragraph 15, within 30 days of receiving a proper invoice. An alternate payment schedule may be arranged if determined necessary by the Executive Committee.

h. Remit payment to the County for ITS operations expenses within 30 days of receiving a proper invoice.

GENERAL TERMS AND CONDITIONS

24. The Parties hereby agree that to the extent permitted by law, each Party will indemnify, save and hold the other Parties harmless, including any of the Party's departments, agencies, officers, employees, elected officials or agents, from and against all loss, expense, damage or claim of any nature whatsoever, which is caused by any activity, condition or event arising out of the performance or nonperformance by the indemnifying Party of any of the provisions of this Agreement. Each Party hereby indemnifies the other against all liability, losses and damages of any nature for or on account of any injuries or death of persons or damages to or destruction of

property arising out of or in any way connected with the performance or nonperformance of this Agreement, except to the extent that any loss, damage, expense, and/or liability is attributable to the negligent or willful acts and misconduct of that other Party. The damages, which are the subject of this indemnity shall include, but not be limited to the damages incurred by any Party, their departments, agencies, officers, employees, elected officials or agents. In the event of an action, the damages which are the subject of this indemnity shall include court costs, expenses for litigation and reasonable attorney's fees.

25. This Agreement shall be effective as of the date it is filed with the Maricopa County Recorder pursuant to A.R.S. § 11-952 and remain in full force and effect until all stipulations previously indicated have been satisfied except that it may be amended upon written agreement by the Parties. Any Party may terminate this Agreement upon furnishing the other Parties with a written notice at least thirty (30) days prior to the effective termination date.

26. Pursuant to A.R.S. § 11-952, as amended, attached to this Agreement are copies of appropriate action by ordinance, resolution or otherwise authorizing the respective Parties to enter into this Agreement.

27. This Agreement shall be subject to the provisions of A.R.S. § 38-511.

28. This Agreement shall not be construed to imply authority to perform any tasks, or accept any responsibility, not expressly set forth herein.

29. This Agreement shall be strictly constructed against the creation of a duty or responsibility unless the intention to do so is clearly and unambiguously set forth herein.

30. This Agreement shall not be modified or extended except by written instrument adopted in accordance with the requirements for adopting a new Agreement.

31. This Agreement does not grant authority to control the Project, except to the extent necessary to perform the tasks expressly undertaken pursuant to this Agreement.

32. Any funding provided for herein, other than in the current fiscal year, is contingent upon being budgeted and appropriated by the Parties' governing bodies in such fiscal year.

33. This Agreement has been arrived at by negotiation of all the Parties and shall not be construed against any Party or against the Party who prepared the last draft.

34. This Agreement may be executed in multiple counterparts, each of which shall constitute one and the same instrument.

IN WITNESS WHEREOF, the Parties hereto have executed this Agreement.

MARICOPA COUNTY, a political subdivision of the State of Arizona

Recommended by:

12-22-08

John B. Hauskins, P.E. Date
Transportation Director

Approved and Accepted:

By:
Chairman, Board of Supervisors

Attest:

By: DEC 26 2008
~~Clerk of~~ the Board 121708 Date

APPROVAL OF COUNTY COUNSEL

I hereby state that I have reviewed the proposed Intergovernmental Agreement, between the County of Maricopa, the City of El Mirage, the City of Glendale, and the City of Peoria and declare the Agreement to be in proper form and within the powers and authority granted to their respective governing bodies under the laws of the State of Arizona.

12-17-08

Deputy County Counsel Date

IN WITNESS WHEREOF, the Parties hereto have executed this Agreement.

CITY OF EL MIRAGE, an Arizona Municipal Corporation

Recommended By:

6/27/08

William Cornwall Date
City Manager

Approved and Accepted:

By: 6-26-08
Mayor Fred Waterman Date

Attest:

By: 6/27/08
City Clerk Date

APPROVAL OF CITY COUNSEL

I hereby state that I have reviewed the proposed Intergovernmental Agreement between the County of Maricopa, the City of El Mirage, the City of Glendale, and the City of Peoria and declare the Agreement to be in proper form and within the powers and authority granted to their respective governing bodies under the laws of the State of Arizona.

6-23-08
City Attorney Date

IN WITNESS WHEREOF, the Parties hereto have executed this Agreement.

CITY OF GLENDALE, an Arizona Municipal Corporation

Recommended By:

Pam Kavanagh for 9/30/08
Ed Beasley Date
City Manager

Approved and Accepted by:

Elaine M. Scruggs 10/6/08
Mayor Elaine M. Scruggs Date

Attest:
By: Pamela Hanna 10/08/08
Pamela Hanna, City Clerk Date

APPROVAL OF CITY COUNSEL

I hereby state that I have reviewed the proposed Intergovernmental Agreement between the County of Maricopa, the City of El Mirage, the City of Glendale, and the City of Peoria and declare the Agreement to be in proper form and within the powers and authority granted to their respective governing bodies under the laws of the State of Arizona.

City Attorney Date

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IN WITNESS WHEREOF, the Parties hereto have executed this Agreement.

CITY OF PEORIA, an Arizona Municipal Corporation

Recommended by:

David A. Moody, P.E. Date
Transportation Planning Director

Approved and Accepted:

By: Bob Barrett 8/30/08
Bob Barrett, Mayor Date

Attest:

By: Mary Jo Kief 9-2-08
Mary Jo Kief, City Clerk, Date

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Steve Kemp, City Attorney

L CON 15808

Attachment B

12:29:34 PM 10/30/2020

NOTES:

1. ALL PAVEMENT, SIDEWALK, CURB, CURB & GUTTER, PAVEMENT MARKINGS, SIGNING, LIGHTING, AND LANDSCAPING WITHIN PUBLIC RIGHT-OF-WAY TO BE MAINTAINED BY AGENCY SHOWN IN SHADED AREA
2. ALL DRAINAGE INLETS TO BE MAINTAINED BY AGENCY RESPONSIBLE FOR PAVEMENT
3. ITS MAINTENANCE RESPONSIBILITIES TO BE DETERMINED BY PROJECT PARTNERS
4. ALL PRIVACY WALLS TO BE MAINTAINED BY PRIVATE LAND OWNERS

LEGEND

EL MIRAGE

NOTE: UNSHADED AREAS ARE UNINCORPORATED MARICOPA COUNTY

10/30/20

MARICOPA COUNTY
DEPARTMENT OF TRANSPORTATION

NORTHERN PARKWAY
AGUA FRIA RIVER TO 99TH AVE
PROJECT NO. TT0600

PROPOSED O&M RESPONSIBILITIES (DRAFT)
SHEET 1 OF 12

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SCALE IN FEET

NOTES:

1. ALL PAVEMENT, SIDEWALK, CURB, CURB & GUTTER, PAVEMENT MARKINGS, SIGNING, LIGHTING, AND LANDSCAPING WITHIN PUBLIC RIGHT-OF-WAY TO BE MAINTAINED BY AGENCY SHOWN IN SHADED AREA
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LEGEND

NOTE: UNSHADED AREAS ARE UNINCORPORATED MARICOPA COUNTY

10/30/20

MARICOPA COUNTY
DEPARTMENT OF TRANSPORTATION

NORTHERN PARKWAY
AGUA FRIA RIVER TO 99TH AVE
PROJECT NO. TT0600

PROPOSED O&M RESPONSIBILITIES (DRAFT)
SHEET 2 OF 12

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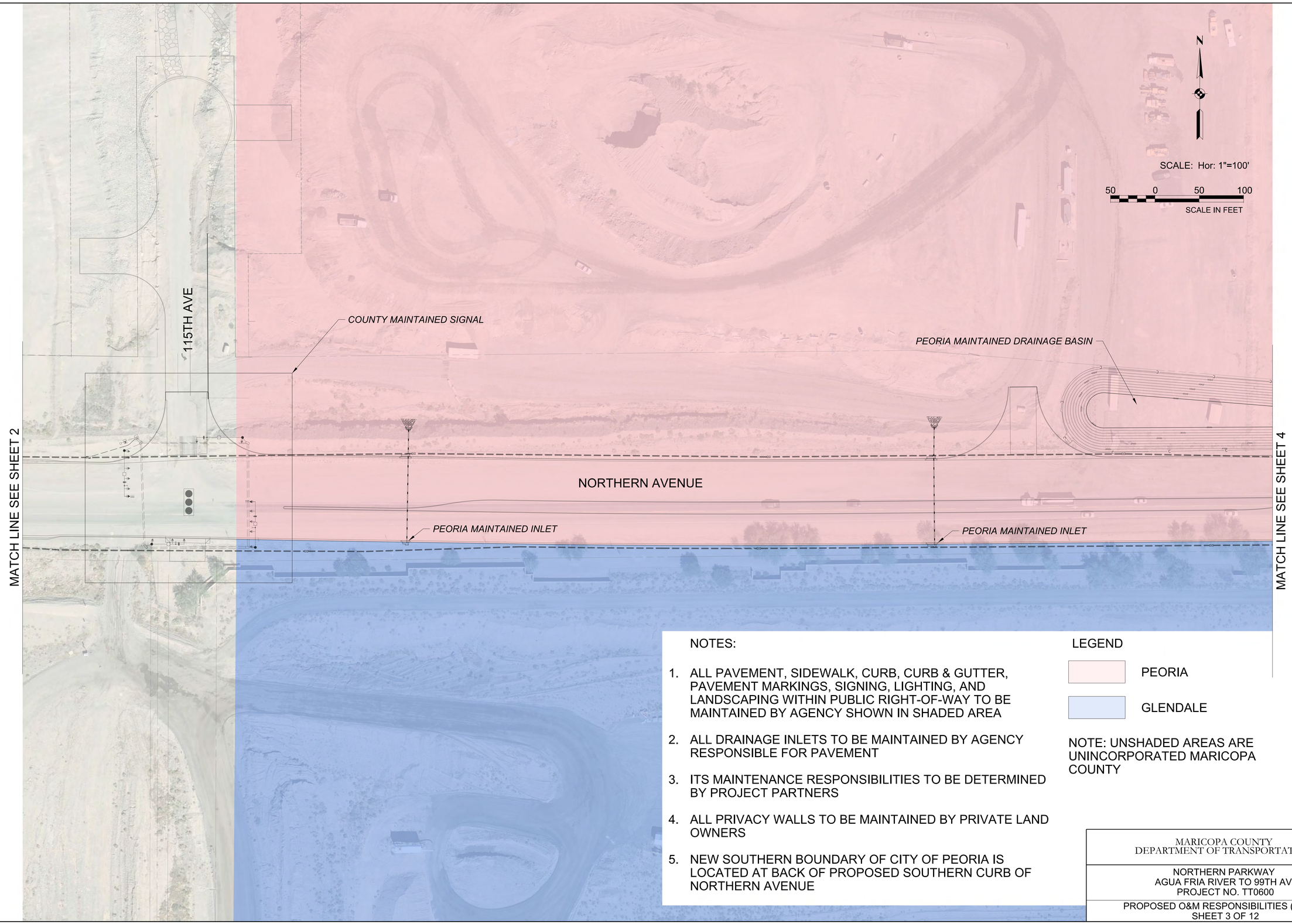

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5. NEW SOUTHERN BOUNDARY OF CITY OF PEORIA IS LOCATED AT BACK OF PROPOSED SOUTHERN CURB OF NORTHERN AVENUE

LEGEND

PEORIA

GLENDALE

NOTE: UNSHADED AREAS ARE UNINCORPORATED MARICOPA COUNTY

10/30/20

MARICOPA COUNTY
DEPARTMENT OF TRANSPORTATION

NORTHERN PARKWAY
AGUA FRIA RIVER TO 99TH AVE
PROJECT NO. TT0600

PROPOSED O&M RESPONSIBILITIES (DRAFT)
SHEET 3 OF 12

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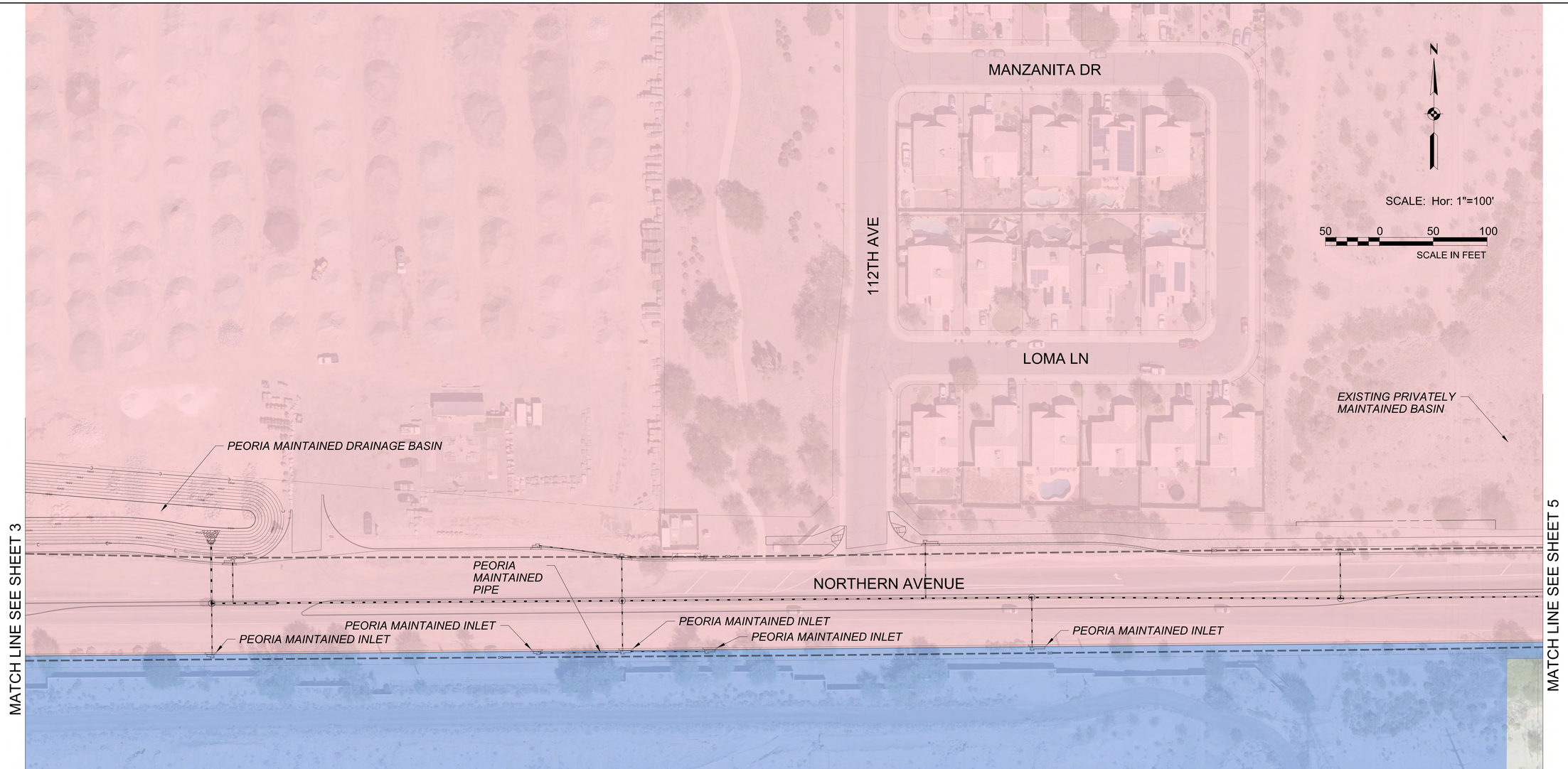

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PEORIA

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MARICOPA COUNTY
DEPARTMENT OF TRANSPORTATION

NORTHERN PARKWAY
AGUA FRIA RIVER TO 99TH AVE
PROJECT NO. TT0600

PROPOSED O&M RESPONSIBILITIES (DRAFT)
SHEET 4 OF 12

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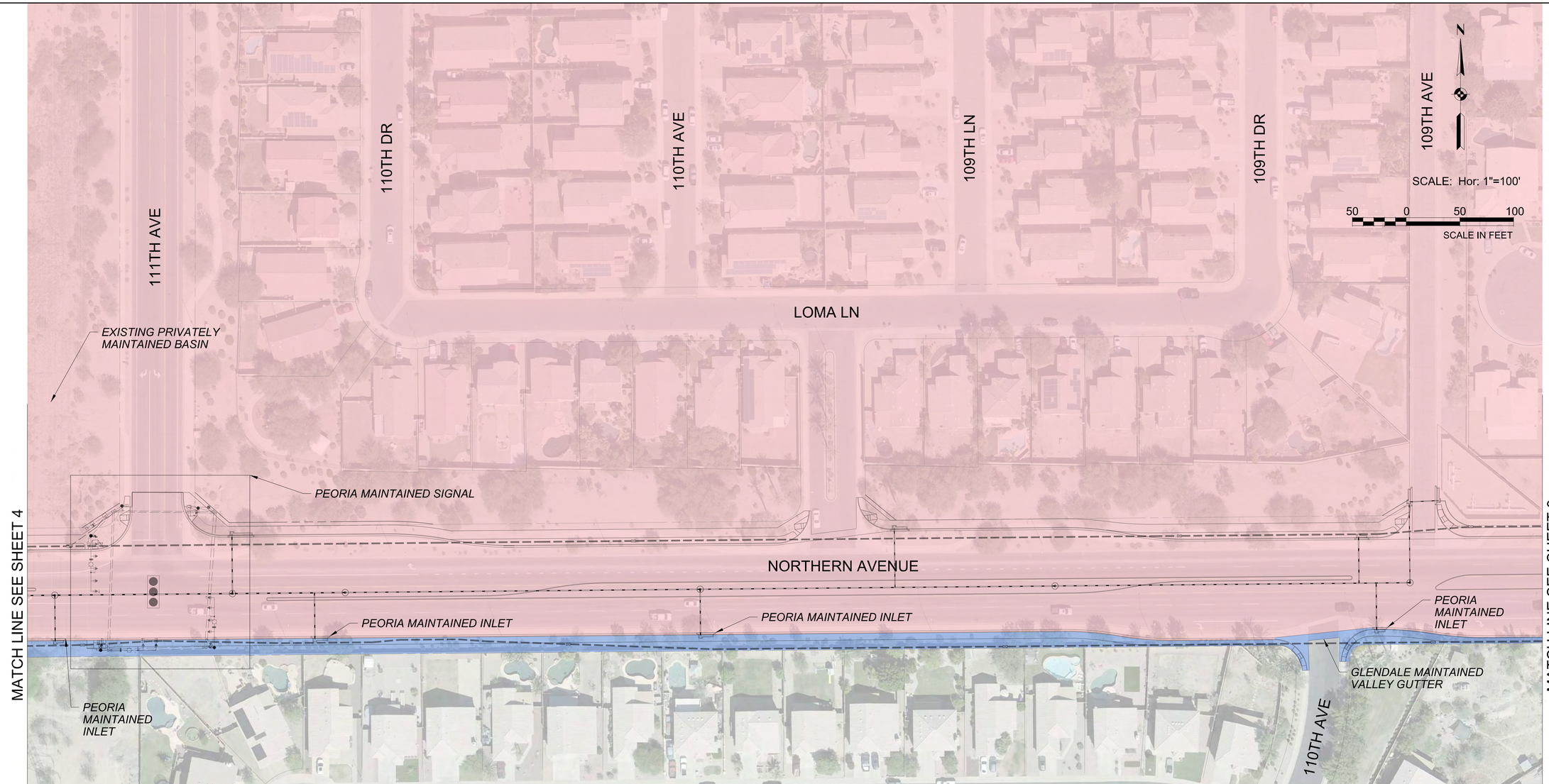

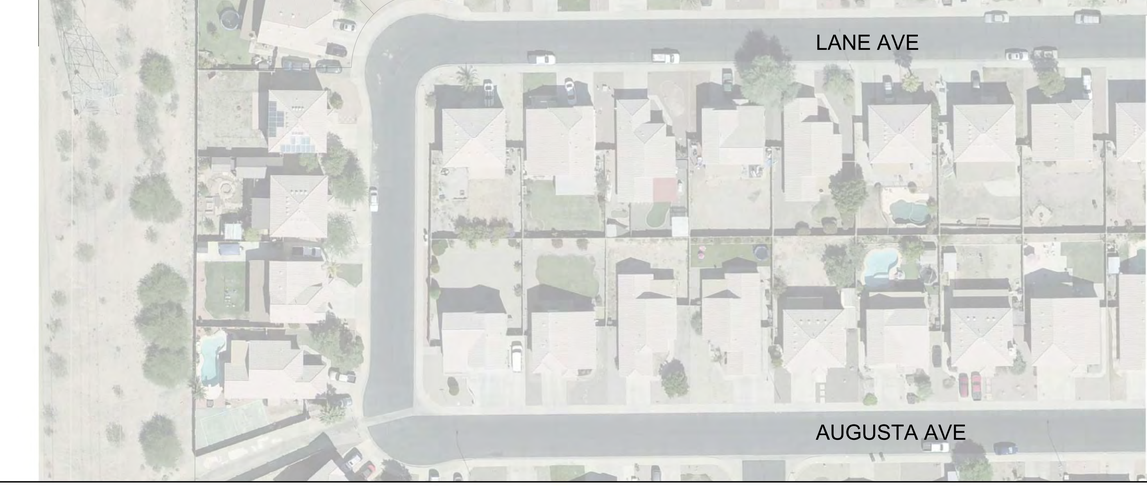

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LEGEND

PEORIA

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MARICOPA COUNTY
DEPARTMENT OF TRANSPORTATION

NORTHERN PARKWAY
AGUA FRIA RIVER TO 99TH AVE
PROJECT NO. TT0600

PROPOSED O&M RESPONSIBILITIES (DRAFT)
SHEET 5 OF 12

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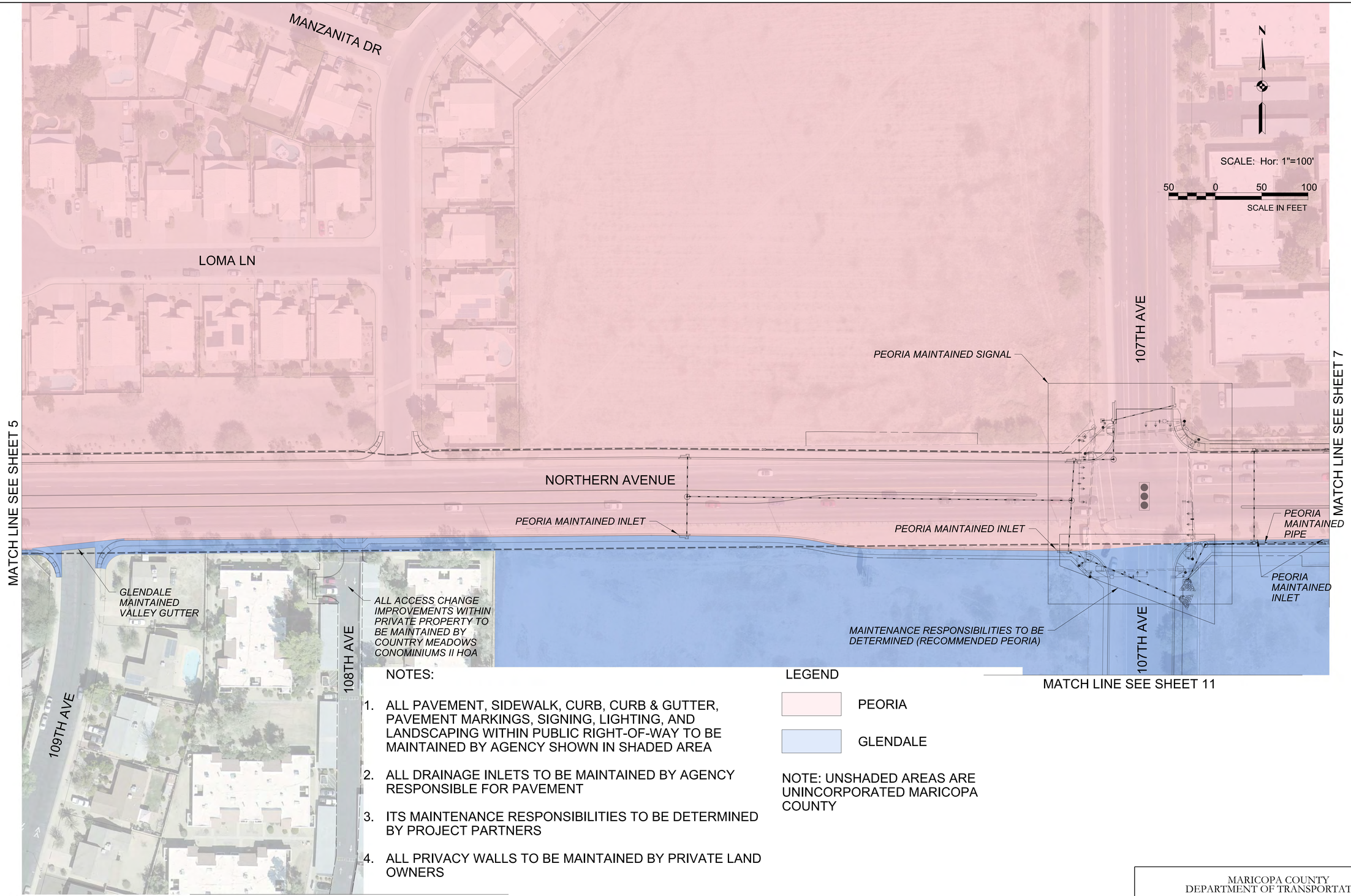

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MARICOPA COUNTY
DEPARTMENT OF TRANSPORTATION

NORTHERN PARKWAY
AGUA FRIA RIVER TO 99TH AVE
PROJECT NO. TT0600

PROPOSED O&M RESPONSIBILITIES (DRAFT)
SHEET 6 OF 12

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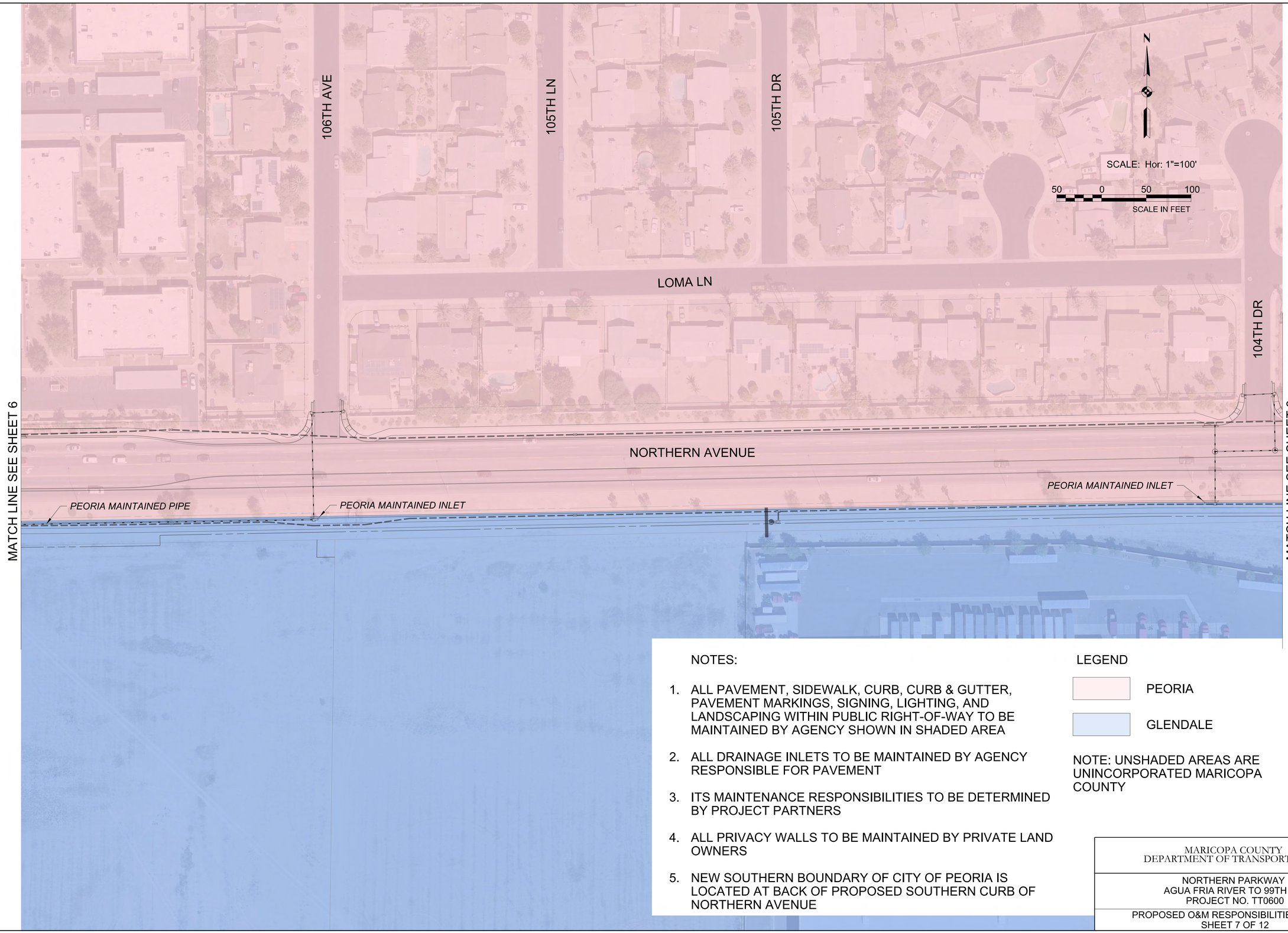

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LEGEND

PEORIA

GLENDALE

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10/30/20

MARICOPA COUNTY
DEPARTMENT OF TRANSPORTATION

NORTHERN PARKWAY
AGUA FRIA RIVER TO 99TH AVE
PROJECT NO. TT0600

PROPOSED O&M RESPONSIBILITIES (DRAFT)
SHEET 7 OF 12

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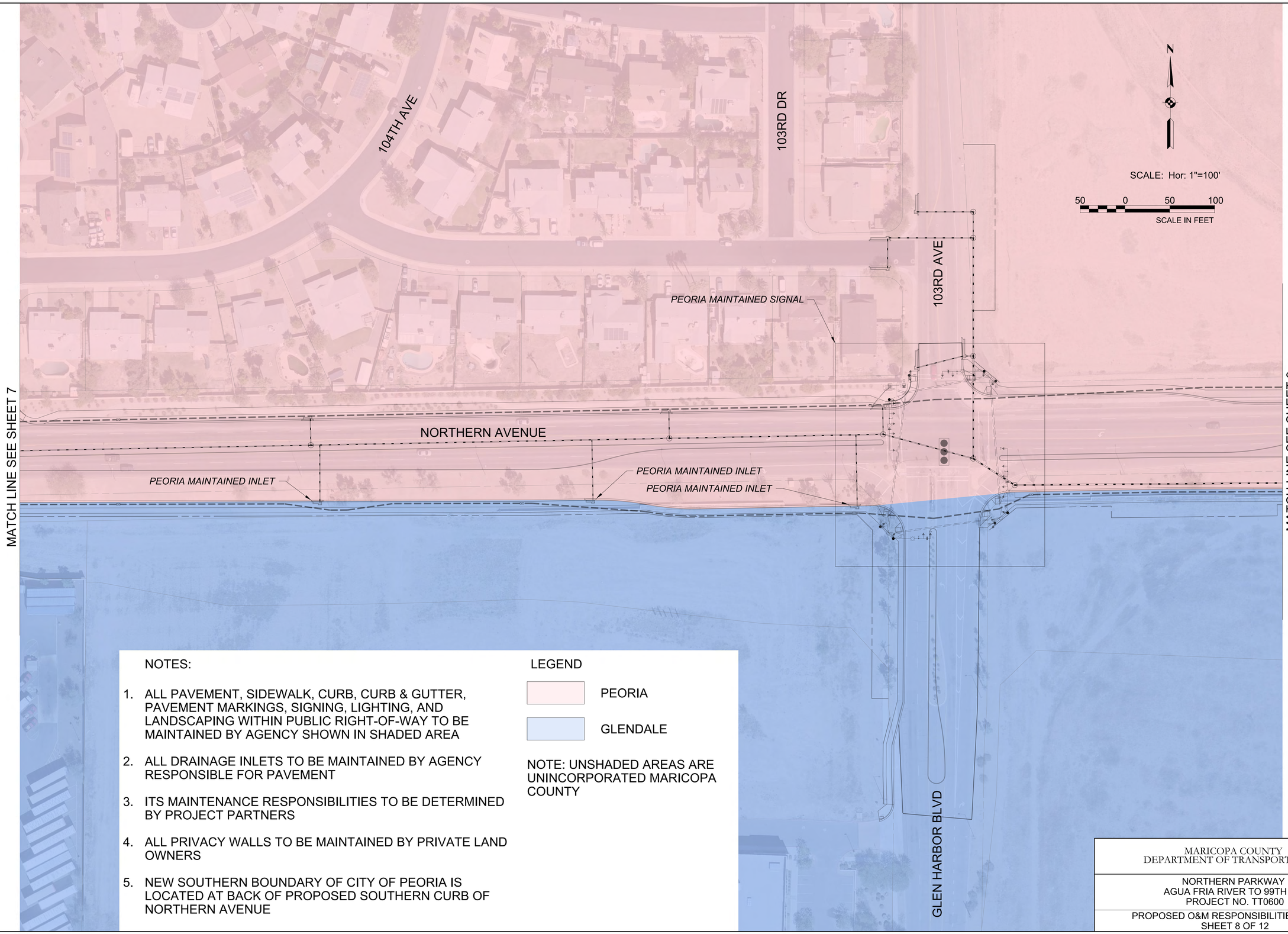

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LEGEND

PEORIA

GLENDALE

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10/30/20

MARICOPA COUNTY
DEPARTMENT OF TRANSPORTATION

NORTHERN PARKWAY
AGUA FRIA RIVER TO 99TH AVE
PROJECT NO. TT0600

PROPOSED O&M RESPONSIBILITIES (DRAFT)
SHEET 8 OF 12

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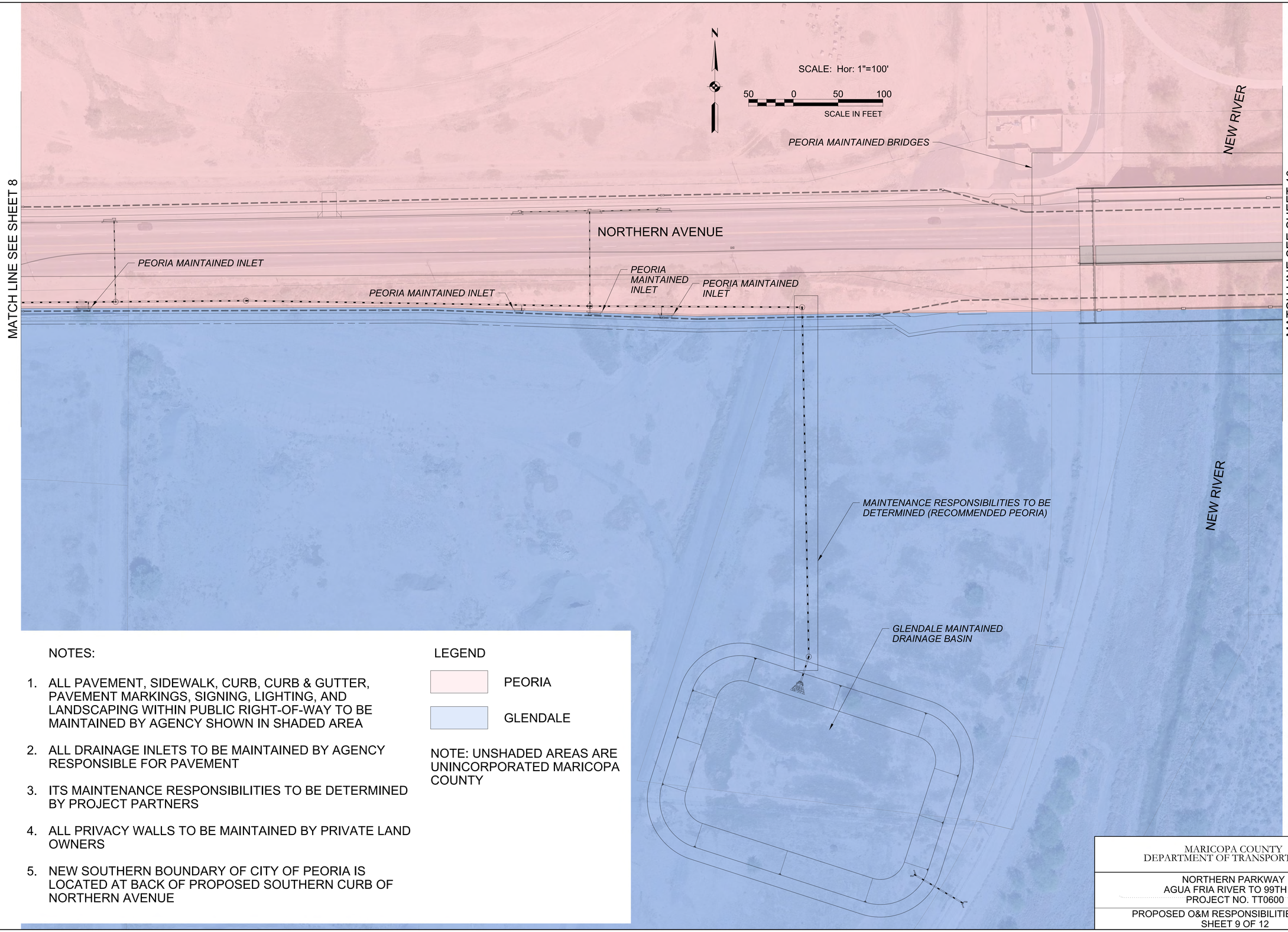

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MARICOPA COUNTY
DEPARTMENT OF TRANSPORTATION

NORTHERN PARKWAY
AGUA FRIA RIVER TO 99TH AVE
PROJECT NO. TT0600

PROPOSED O&M RESPONSIBILITIES (DRAFT)
SHEET 9 OF 12

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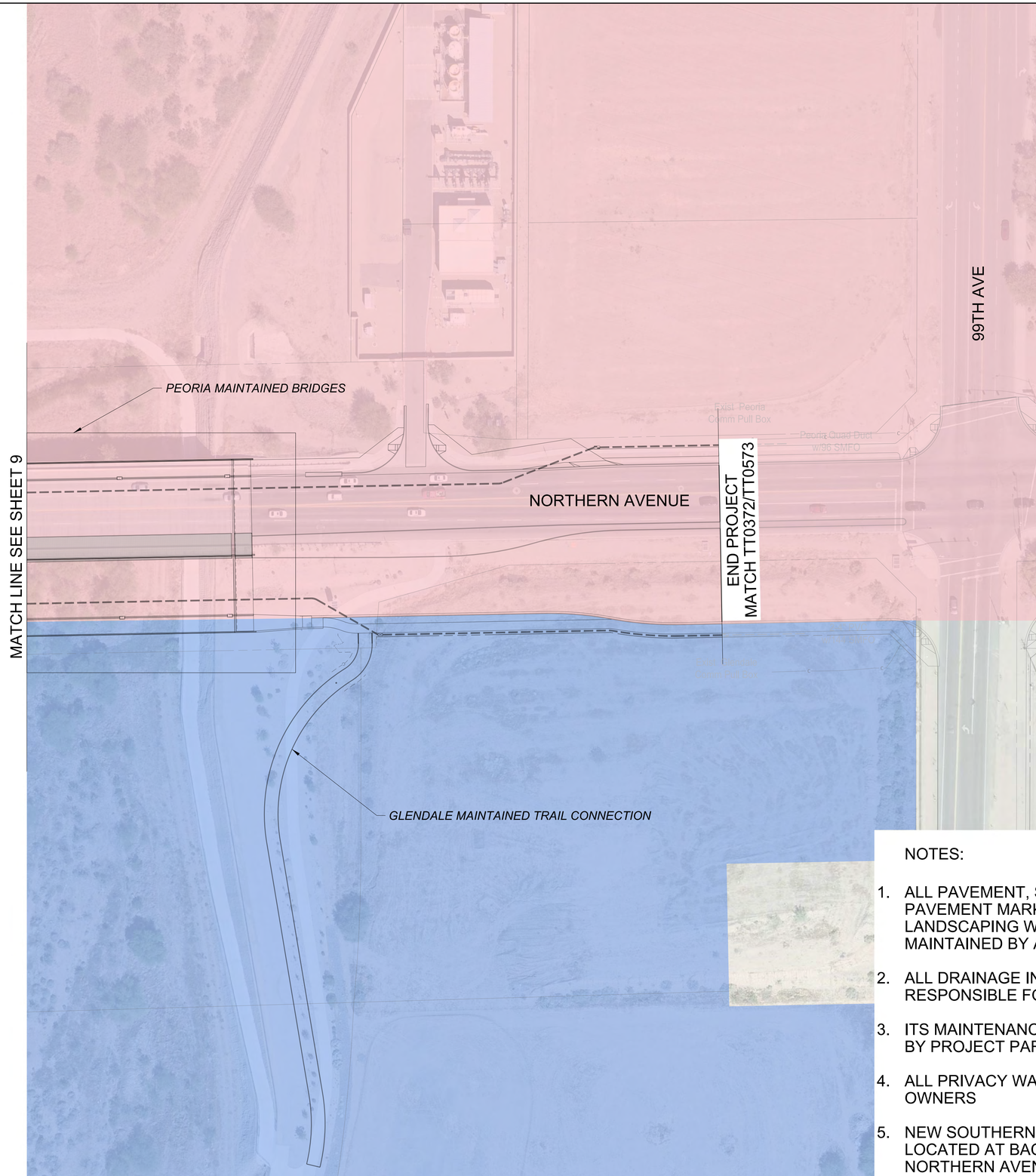

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MARICOPA COUNTY
DEPARTMENT OF TRANSPORTATION

NORTHERN PARKWAY
AGUA FRIA RIVER TO 99TH AVE
PROJECT NO. TT0600

PROPOSED O&M RESPONSIBILITIES (DRAFT)
SHEET 10 OF 12

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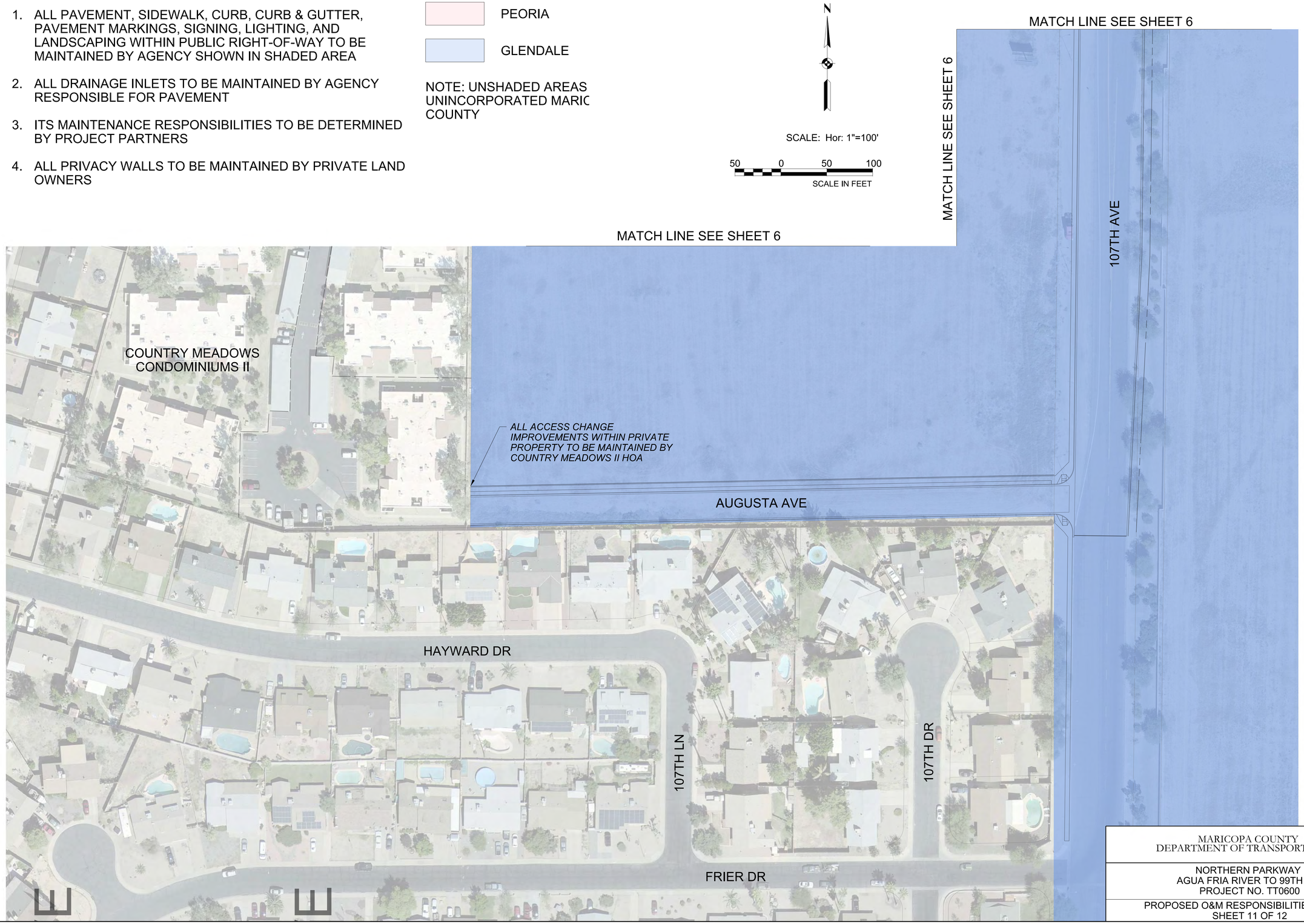

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MARICOPA COUNTY
DEPARTMENT OF TRANSPORTATION

NORTHERN PARKWAY
AGUA FRIA RIVER TO 99TH AVE
PROJECT NO. TT0600

PROPOSED O&M RESPONSIBILITIES (DRAFT)
SHEET 11 OF 12

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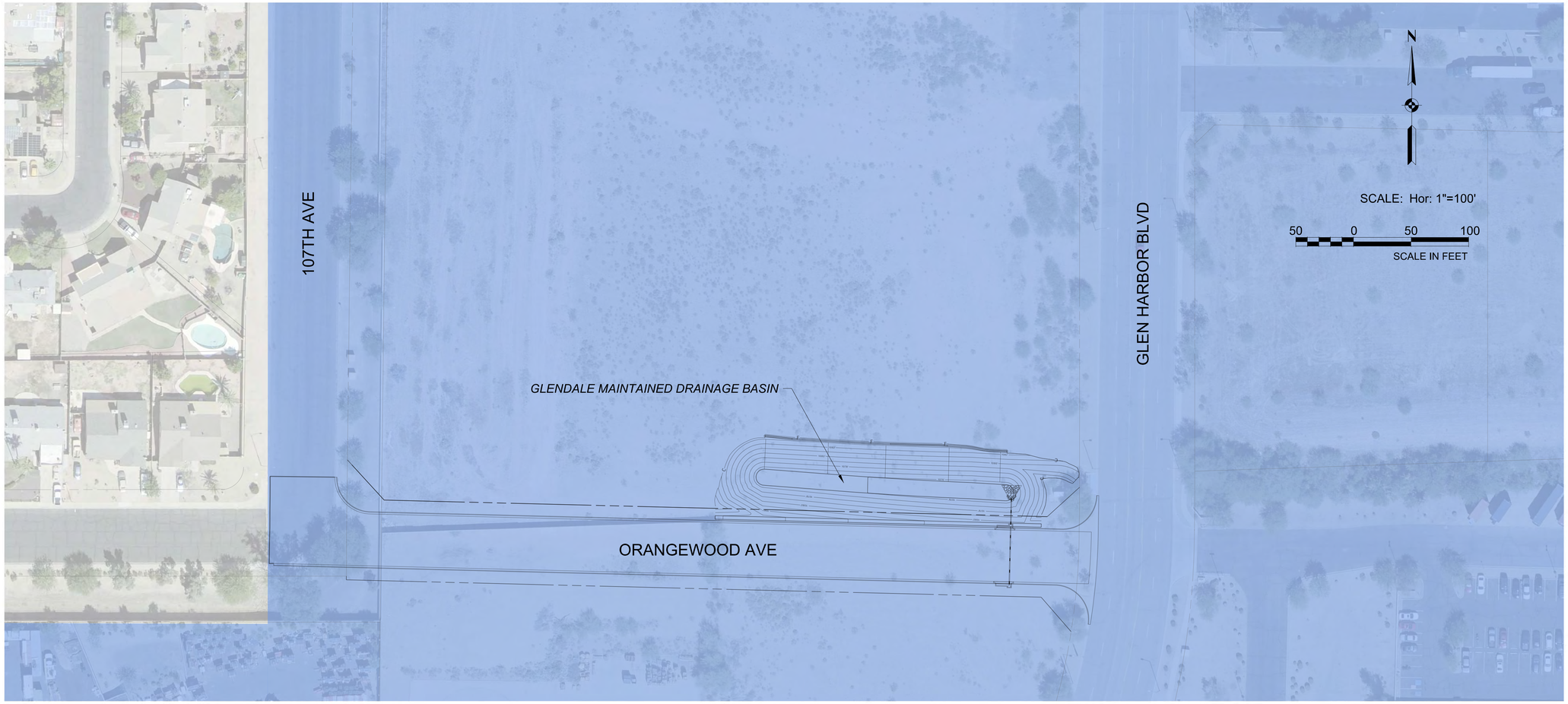

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LEGEND

PEORIA

GLENDALE

NOTE: UNSHADED AREA UNINCORPORATED MAR COUNTY

10/30/20

MARICOPA COUNTY
DEPARTMENT OF TRANSPORTATION

NORTHERN PARKWAY
AGUA FRIA RIVER TO 99TH AVE
PROJECT NO. TT0600

PROPOSED O&M RESPONSIBILITIES (DRAFT)
SHEET 12 OF 12

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Maricopa County
Department of Transportation

2901 W. Durango Street
Phoenix, AZ 85009
Phone: 602-506-8600
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Northern Parkway
Agua Fria River to 99th Avenue
Project No. TT0600/TRACS No. T0188 01L

City of Peoria Meeting Summary

Distribution Date: November 23, 2020

Date of Meeting: November 16, 2020 – 9:30 a.m.

Meeting Location: Virtual Conference

From: Ben Markert, MCDOT

Attendees: **See attached sign-in sheet**

The following meeting notes for the Northern Parkway, Agua Fria River to 99th Avenue, project are for your information, use, and distribution. Please contact Ben Markert at (602) 506-8651 if you have comments or questions. The team list/sign-in sheet is also included following the notes. If there is any missing information or additions to the notes, please let me know. Thank you to everyone who participated in the meeting.

ACTION ITEMS

No.	Action Item	Responsible	Due Date	Completed	Status/Comments
68	Develop utility typical section	B&N	12/4/20		
69	Provide documentation for PUEs and 5G	Dan Nissen	12/4/20		Received PUE documentation on 11/21; awaiting 5G
70	Confirm driveways to 112th Avenue Lift Station	Dan Nissen	12/4/20	11/18/20	Hammerhead to have access to Northern
71	Coordinate with MCRED to determine ownership of land not part of subdivision between 106th and 103rd.	B&N	12/4/20		B&N coordinated with MCRED on 11/23; MCRED to further investigate

DECISIONS

- Public Utility Easements (PUEs) will be excluded from the right-of-way.
- 112th Avenue lift station has a proposed hammerhead as part of a separate Peoria project. The hammerhead shall have a driveway connection to Northern per email from Dan Nissen and Daniel Kiel on 11/18.

NOTES

1. **Welcome | Introductions**
   Team members were welcomed to the Northern Parkway, Agua Fria River to 99th Avenue, PUE/Privacy Wall Meeting. Handouts included an exhibit at 112th Avenue and typical section depicting utility locations.

2. **PUEs**
   Maricopa County Real Estate Department (MCRED) has expressed concerns about the inclusion of PUEs. Since the PUEs are discontinuous on either side of Northern Avenue, it may be difficult to prove the need for the land if the right-of-way acquisition process goes to condemnation.

   Existing utilities will be protected in place. A license agreement will be needed for dry utilities within the Northern Avenue right-of-way. New utilities will be coordinated for locations within the existing right-of-way. B&N will develop a typical section detail which depicts locations of existing utilities and future utility corridors. As vacant lots are developed, the developers will be required to provide an 8-foot PUE. Dan Nissen, city of Peoria, will provide documentation regarding this process. Mr. Nissen indicated that consideration will also have to be given for 5G and related equipment such as conduit, fiber and pull boxes. Mr. Nissen will provide a screen grab of the available GIS data for 5G as well as contact information for 5G providers such as Verizon Wireless and AT&T. Mr. Nissen indicated that current 5G infrastructure is attached to a modified luminaire pole that replaces the existing luminaire pole.

3. **Privacy Walls and Encroachments**
   The existing privacy walls are less than the 8-foot standard and thus will need replacement. Between 106th Avenue and 103rd Avenue on the north side of Northern Avenue, there are privacy walls that are outside of each individual parcel's property and may be encroaching into public right-of-way. If it is determined that the land which is approximately 10' wide is Peoria right-of-way, the city of Peoria will inform homeowners of the situation and will replace the walls to standard 8-foot. After the wall is constructed, MCRED will coordinate with the city of Peoria and homeowners to turn over the land to the adjacent parcel owners. MCRED will coordinate much of the process per the Northern Parkway IGA. It is anticipated that this process may take 2 years. It is also assumed at this stage that the entire wall will need to be replaced. A structural analysis will need to be completed to determine the structural integrity of the existing wall and whether existing courses can just be added. Mr. Nissen added that the city of Peoria has not been able to successfully add courses to existing walls; typically, an adjacent wall is added, or the wall is replaced entirely.

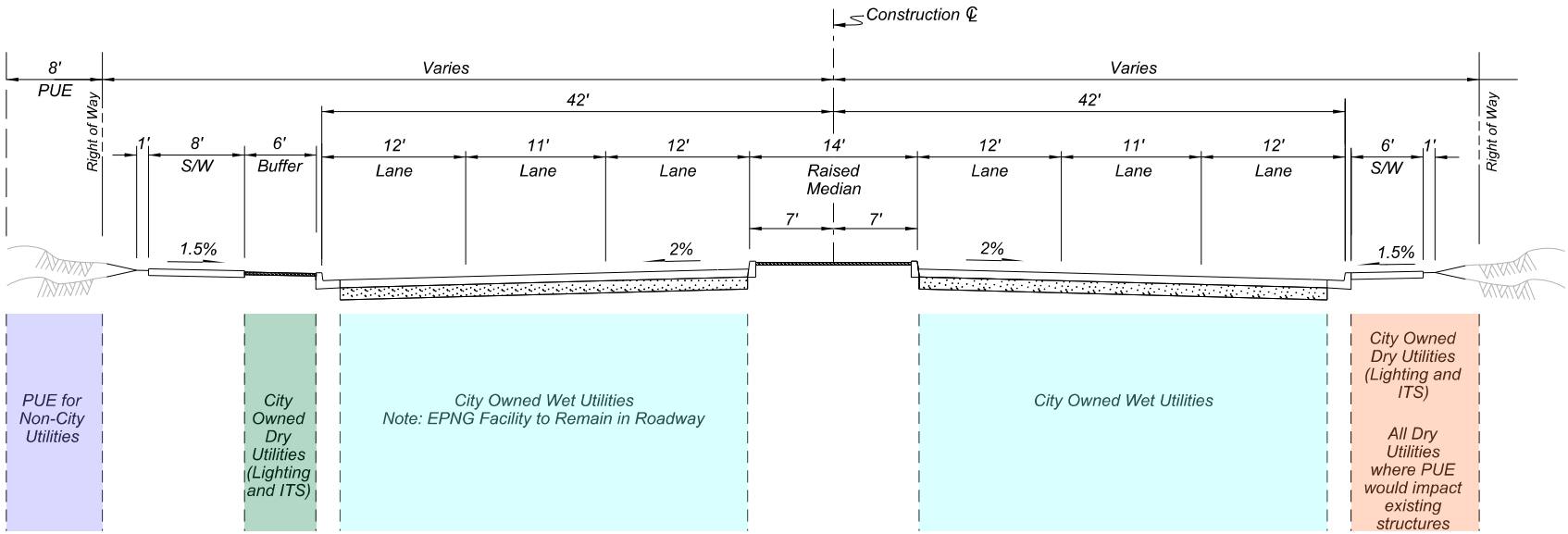
4. **112th Avenue Lift Station**
   The city of Peoria indicated that sidewalk should be shown in both locations along Northern Avenue and adjacent to the access road. Mr. Nissen will obtain input from the city of Peoria Water Services Department to confirm whether a driveway should be included with access to Northern Avenue. Ben Markert, MCDOT, inquired about sight distance issues regarding the HOA sign on the northwest corner of 112th Avenue. David Lenzer, Burgess & Niple, indicated that because there is a raised median, vehicles travelling south would only need to look east to turn onto Northern Avenue. Since the sign is on the west side, it is not within the sight triangle.

TT0600/T0188 01L Northern Parkway
Agua Fria River to 99th Avenue

PUE MEETING SIGN-IN
11/16/2020

Contract No: 2018-036 **Project No: TT0600**

Initials	*Name*	*Company/Section*	*Address with Zip Code*	*Phone*	*email*
BM	Ben Markert	MCDOT PM	2901 West Durango Street Phoenix, AZ 85009	602-506-8651	ben.markert@maricopa.gov
CL	Chris Lemka	City of Peoria	9875 N 85th Avenue Peoria, AZ 85345	623-773-7260	chris.lemka@peoriaaz.gov
DN	Dan Nissen	City of Peoria	9875 N 85th Avenue Peoria, AZ 85345		Dan.Nissen@peoriaaz.gov
BW	Ben Wilson	City of Peoria	9875 N 85th Avenue Peoria, AZ 85345		Ben.Wilson@peoriaaz.gov
JP	Jason Pagnard	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	602-244-8100 x5332	jason.pagnard@burgessniple.com
DL	David Lenzer	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	602-244-8100 x1502	david.lenzer@burgessniple.com
CA	Cynthia Alvarez	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	602-244-8100 x5320	cynthia.alvarez@burgessniple.com



Note: In areas where PUE would impact existing strucures or if PUE's are not secured, non-city utilities to be within Right of Way

NORTHERN AVENUE
NTS

MARICOPA COUNTY
DEPARTMENT OF TRANSPORTATION

NORTHERN PARKWAY
99TH AVENUE TO AGUA FRIA
PROJECT NO. TT0600

CONCEPTUAL UTILITY TYPICAL SECTION

SHEET 1 OF 1

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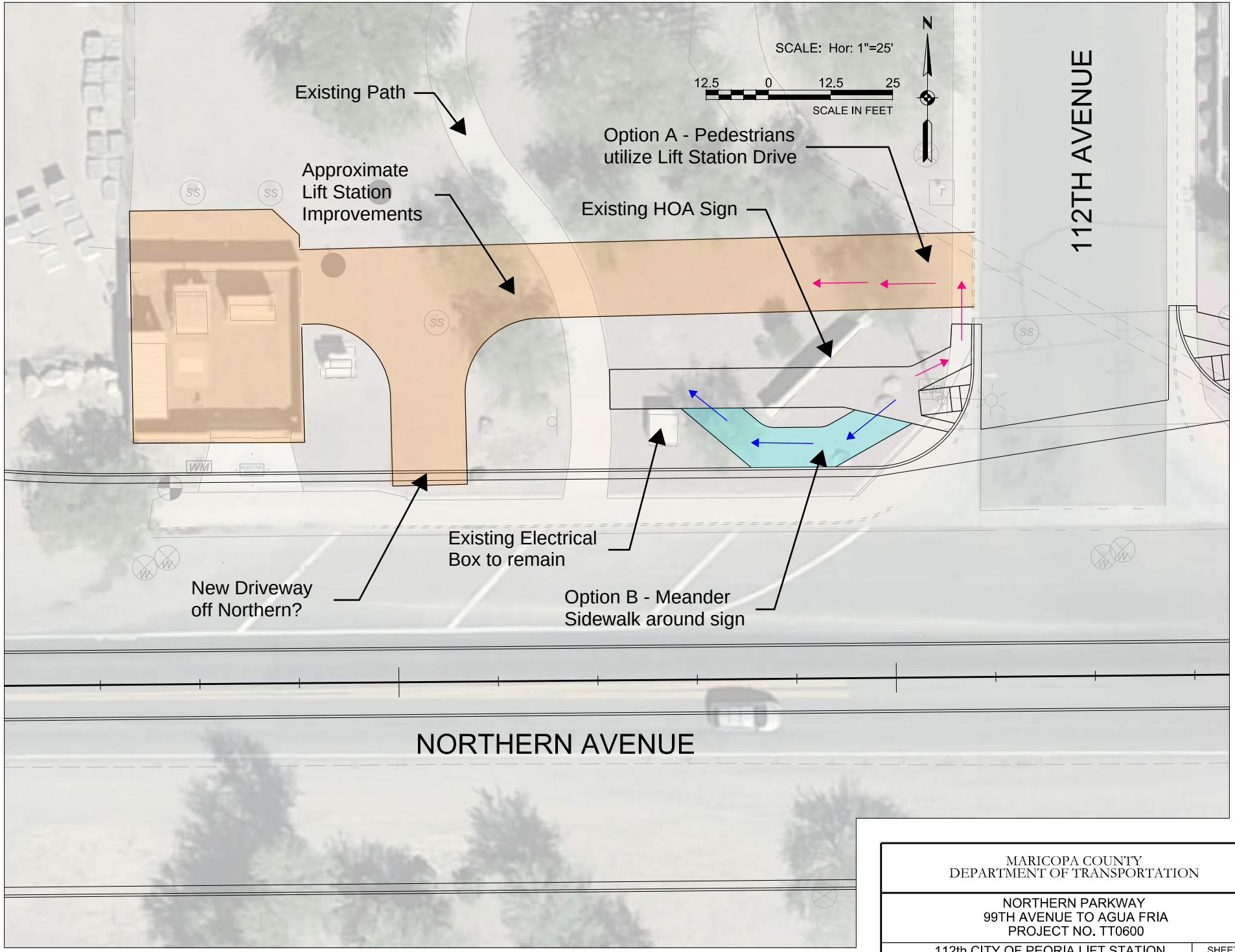

MARICOPA COUNTY
DEPARTMENT OF TRANSPORTATION

NORTHERN PARKWAY
99TH AVENUE TO AGUA FRIA
PROJECT NO. TT0600

112th CITY OF PEORIA LIFT STATION
ACCESS CHANGES

SHEET 1 OF 1

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Northern Parkway
Agua Fria River to 99th Avenue
Project No. TT0600/TRACS No. T0188 01L

Country Meadows Condominiums II HOA Meeting

Distribution Date: March 25, 2021

Date of Meeting: February 1, 2021 – 4:00 p.m.

Meeting Location: Country Meadows Condominiums II

From: Ben Markert, MCDOT

Attendees: **See attached sign-in sheet**

The following meeting notes for the Northern Parkway, Agua Fria River to 99th Avenue, project are for your information, use, and distribution. Please contact Ben Markert at (602) 506-8651 if you have comments or questions. The team list/sign-in sheet is also included following the notes. If there is any missing information or additions to the notes, please let me know. Thank you to everyone who participated in the meeting.

NOTES

1. **Welcome | Introductions**
   Team members were welcomed to the Northern Parkway, Agua Fria River to 99th Avenue, Country Meadows Condominiums II Meeting. Meeting attendees were provided a graphic depicting the proposed access to the condominiums from the proposed Augusta Avenue.

   Mr. Markert provided an overview of the project, explaining that it will generally add an additional travel lane in each direction.

2. **Resident Discussion and Questions**
   Residents voiced questions and concerns for the project team, and the project team provided responses where applicable, as detailed below.

   Resident: Are the property/building removals at the back [south] only and not at the front [north]?
   Project Team: That is correct. The extent of the acquisitions will be determined during final design. At this stage the entire building was identified in order to be conservative. It is possible that only part of the building would be acquired, but that is dependent on building construction, utilities, and other factors.

   Resident: Will there be noise walls, what is the wall height, can additional landscaping and bushes be included, and how will this affect property value?

Project Team: A detailed noise analysis will be prepared during the final design stage, at which point, potential mitigation measures and feasibility will be determined.

Resident: We are interested in noise walls, additional landscaping, and a driveway gate that is more solid for noise and visibility than the current gate
Project Team: There should be a public meeting to discuss noise analysis results and property values with noise.

Additional input submitted by the public:

- We are concerned with safety from the adjacent neighborhood walking along the new access road and ask for an additional gate or opening to Northern Avenue for pedestrians. This new pedestrian gate to Northern Avenue will need to be wheelchair accessible. Interested in street lighting to help address safety.
- Getting a gap in traffic to exit onto Northern Avenue is hard. A new traffic signal at 111th Avenue is good and will help create gaps in traffic.
- With no roundabout or a place to turn at the north end of the condos, how will larger delivery trucks exit?
- What about emergency responders' access from Northern Avenue?

3. <u>ROW Acquisitions</u>

Tangella Diaz, MCDOT, provided an overview of the right-of-way acquisition process. She noted that assistance would be provided for those impacted by the acquisitions.

TT0600/T0188 01L Northern Parkway
Agua Fria River to 99th Avenue

COUNTRY MEADOWS CONDOMINIUMS II COORDINATION MEETING
2/1/2021

Contract No: 2018-036 **Project No: TT0600**

Initials	*Name*	*Company/Section*	*Address with Zip Code*	*Phone*	*email*
BM	Ben Markert	MCDOT PM	2901 West Durango Street Phoenix, AZ 85009	602-506-8651	ben.markert@maricopa.gov
TR	Traci Ruth	MCDOT Communications and Outreach Manager	2901 West Durango Street Phoenix, AZ 85009	602-506-8628	traci.ruth@maricopa.gov
TD	Tangella Diaz	MCRED	2801 West Durango Street Phoenix, AZ 85009	602-506-4883	tangella.diaz@maricopa.gov
JP	Jason Pagnard	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	602-244-8100 x5332	jason.pagnard@burgessniple.com
DL	David Lenzer	Burgess & Niple	1500 N. Priest Drive Suite 102 Tempe, AZ 85281	602-244-8100 x1502	david.lenzer@burgessniple.com
FY	Flint Yale	HOA President, Country Meadows Condos II		602-330-5284	fyale@aol.com
	2 members from the condo's Board of Directors, 8 other Country Meadows Condos II residents				

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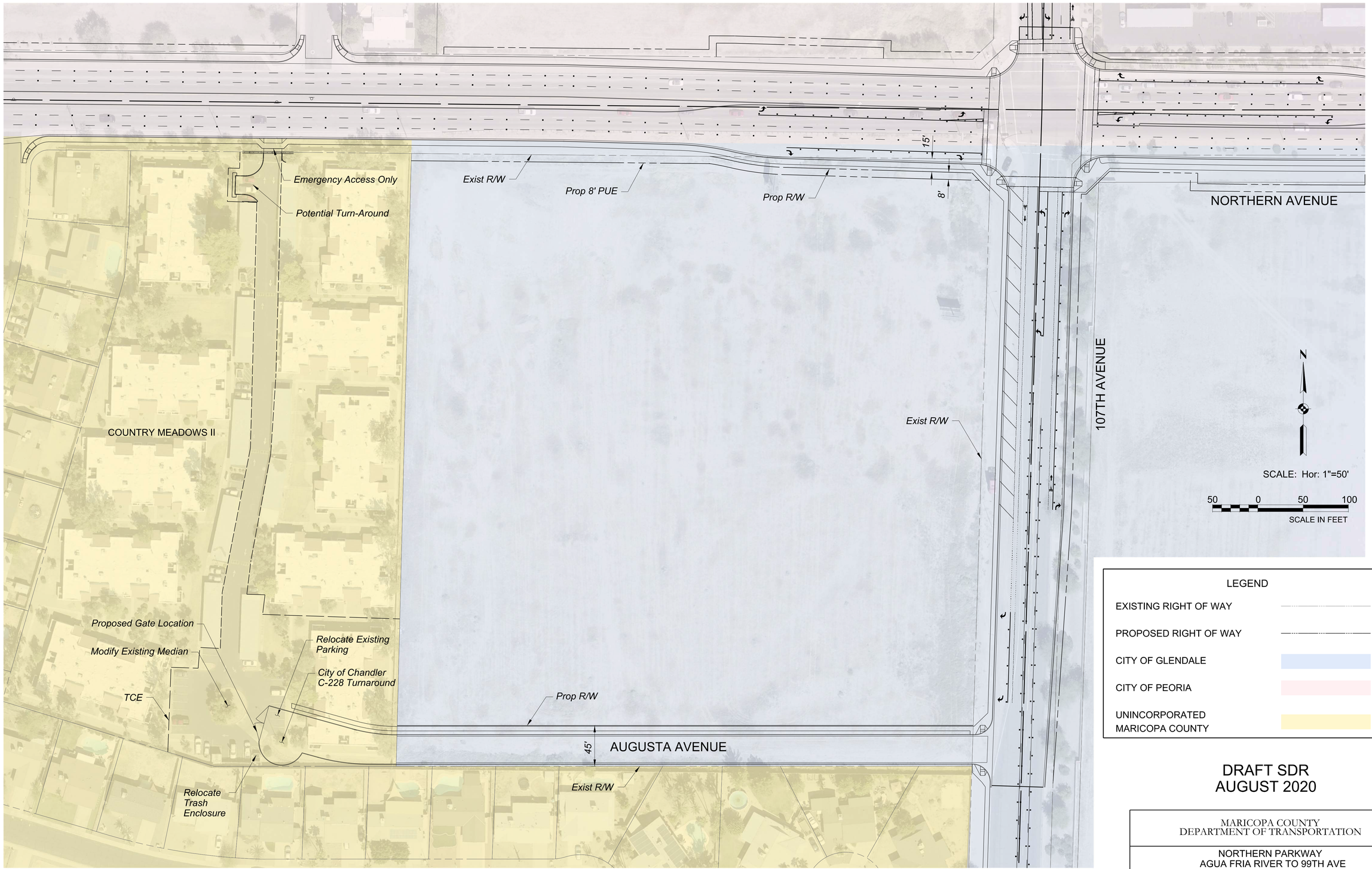

LEGEND

EXISTING RIGHT OF WAY	
PROPOSED RIGHT OF WAY	
CITY OF GLENDALE	
CITY OF PEORIA	
UNINCORPORATED MARICOPA COUNTY	

DRAFT SDR
AUGUST 2020

MARICOPA COUNTY
DEPARTMENT OF TRANSPORTATION

NORTHERN PARKWAY
AGUA FRIA RIVER TO 99TH AVE
PROJECT NO. TT0600

NORTHERN AVENUE AND 107TH AVENUE
2020 DRAFT SDR CONCEPT

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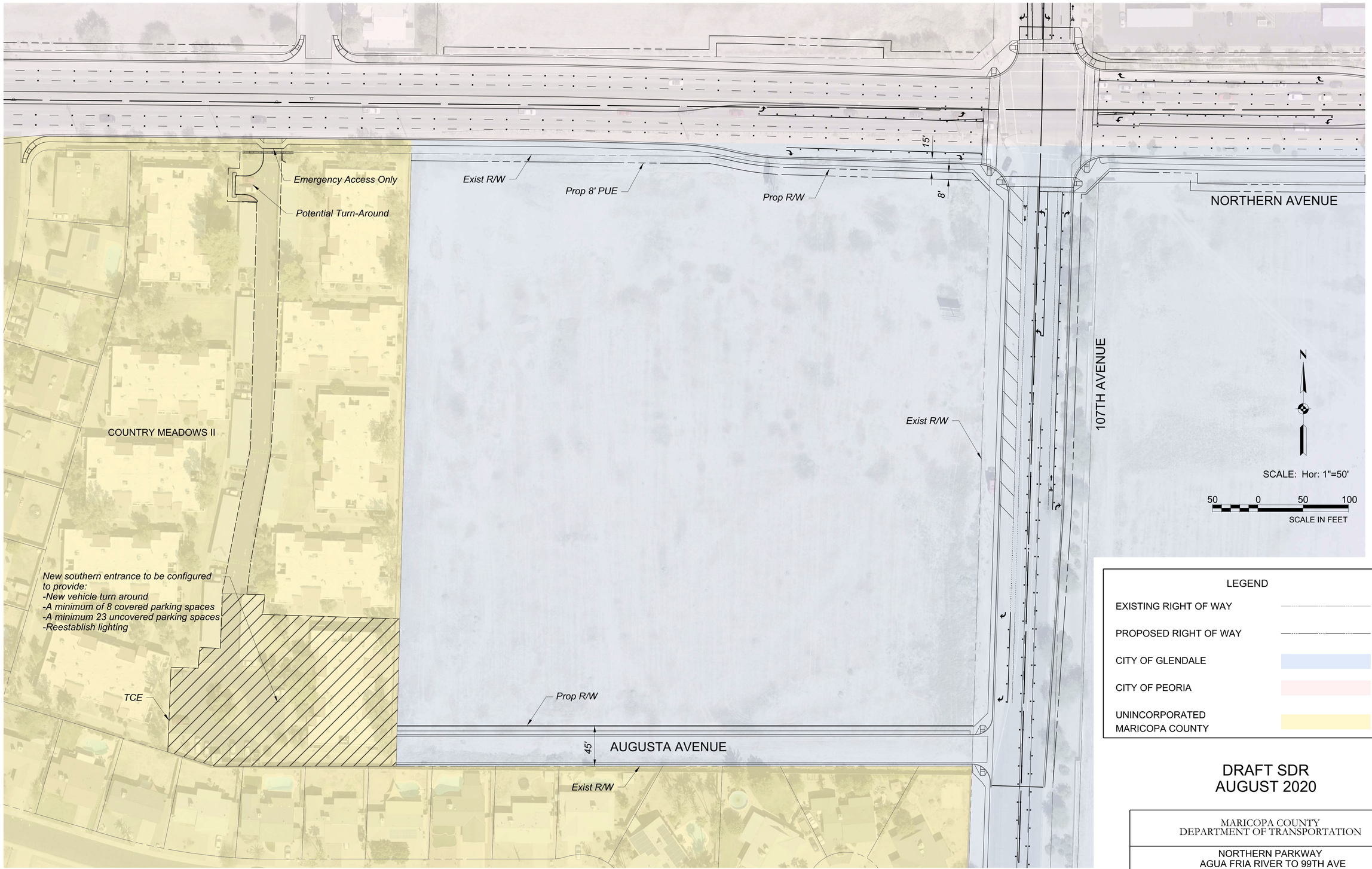

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Maricopa County
Department of Transportation

2901 W. Durango Street
Phoenix, AZ 85009
Phone: 602-506-8600
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www.mcdot.maricopa.gov

Northern Parkway
Agua Fria River to 99th Avenue
Project No. TT0600/TRACS No. T0188 01L

Country Meadows Condominiums II HOA Response Meeting

Distribution Date: March 25, 2021

Date of Meeting: March 8, 2021 – 10:30 a.m.

Meeting Location: Virtual - Teams

From: Ben Markert, MCDOT

Attendees:

- Ben Markert (MCDOT)
- Chad Amos (MCDOT)
- Marinela PapaKonomi (MCDOT)
- Randy Dunsey (MCDOT)
- Tangela Diaz (MCRED)
- Jason Pagnard (B&N)
- David Lenzer (B&N)
- Evan Carbonneau (B&N)

The following meeting notes for the Northern Parkway, Agua Fria River to 99th Avenue, project are for your information, use, and distribution. Please contact Ben Markert at (602) 506-8651 if you have comments or questions. If there is any missing information or additions to the notes, please let me know. Thank you to everyone who participated in the meeting.

ACTION ITEMS

No.	Action Item	Responsible	Due Date	Completed	Status/Comments
74	Coordinate on formal response to letter	MCDOT	March 15, 2021	March 15, 2021	Final response sent on March 19

NOTES

1. **Welcome | Introductions**
   Team members were welcomed to the Northern Parkway, Agua Fria River to 99th Avenue, Country Meadows Condominiums II Meeting. Meeting attendees were provided a PDF sent by the Country Meadows II HOA including a graphic depicting the requested access to the condominiums from the proposed Augusta Avenue.

2. <u>Response Discussion</u>

Ben Markert believes that because the requested improvements would make use of the adjacent property solely for access it may be disallowed for both federal and local funding. Chad believes that MCDOT would not be able to use eminent domain to secure this land. MCDOT to confirm this.

Augusta Avenue will be owned and maintained by City of Glendale and will follow Glendale standards. MCDOT to send Glendale the letter and confirm whether roadway lighting will be included along Augusta.

Marinela stated that a formal response must be sent and both the letter from the HOA and the response need to be documented in the final SDR. The process and steps are an important part of the document.

To: Ben Markert
Maricopa County Dept. of Transportion Project Mgr. and whom it may concern,

Re: Northern Parkway/Country Meadows II

HI Ben and who it may concern,

The community of Country Meadows II HOA are submitting this proposal regarding our community entrance/exit and believe it is the best option for the community for safety, economic, property values and usability purposes.

We request the Northern Parkway project forces out the least amount of residence as possible with the least amount of diminished value to our community. Our proposal estimates a loss of two units, which is the same as Maricopa Counties original proposal. This choice is most beneficial because it only displaces two residence by utilizing vacant land that is adjacent on the east side. In a community of only 80 units, it is critical to lose the least amount of units not only for the residence losing their homes but also for loss of income of HOA dues for the community.

We also feel that the increased noise levels from converting Northern Ave into a higher speed parkway and adding an additional two lanes will greatly effect our property values. The closest lane being within 31ft of the walls of residential living units. Therefore, we are requesting a high and safe continuous block wall to protect our community from vehicles and noise. Preferably the highest possible height for walls under Federal, State or Local regulations/specs. For instance, the Glendale dump west of our property has a high continuous block wall.

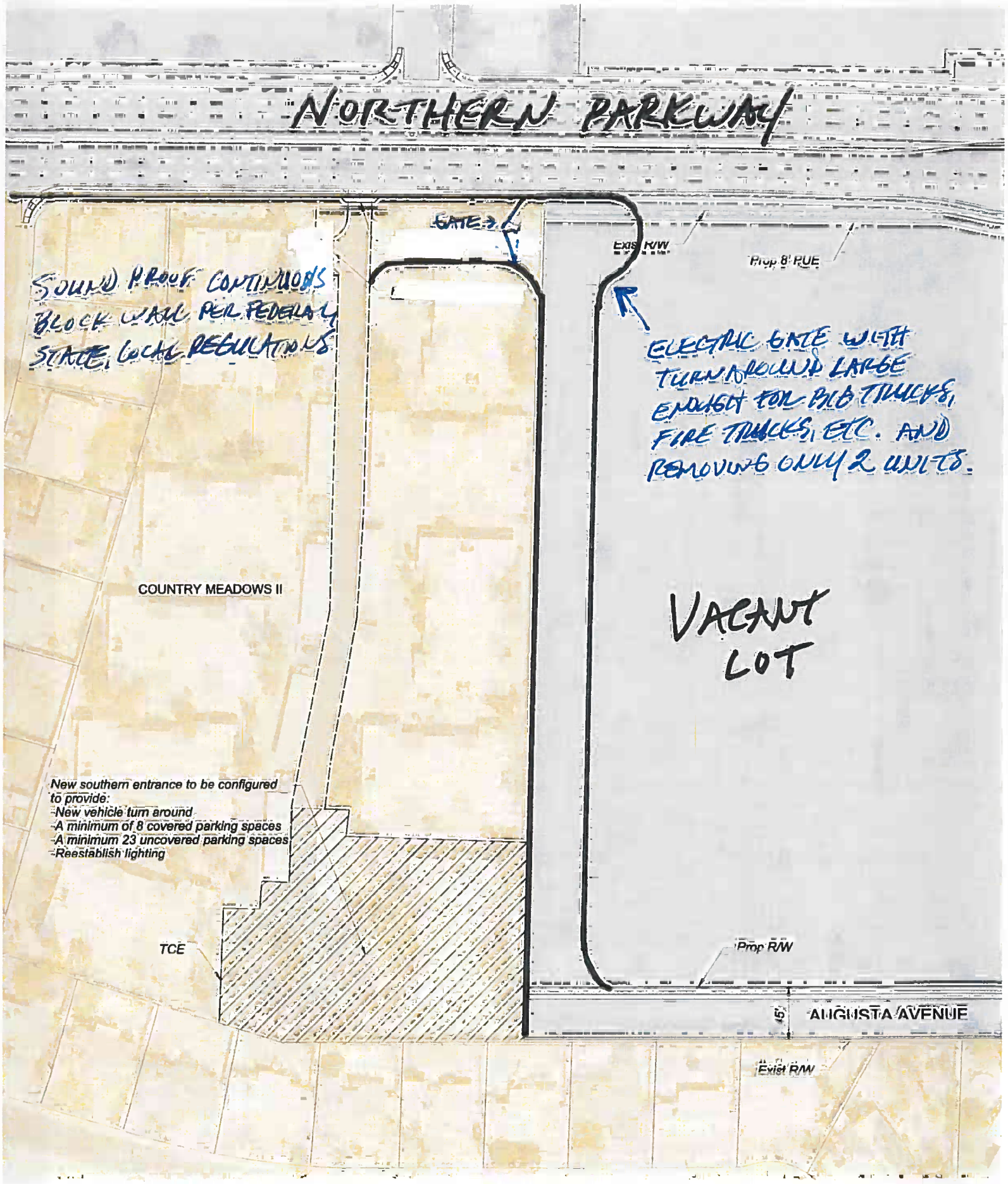
We also feel that the opposite end of our entrance/exit we need a roundabout large enough for large moving trucks and fire trucks to turn around without the danger of damaging other vehicles, carports or endangering pedestrians by having to back up in tight areas. A 3 point turn is not feasible or safe. Therefore, we are requesting that the original plan from a few years back be used for the least amount of economic damage to our community which is also the safest option for our residence and community property.

Attached is a drawing with that proposal which utilizes vacant land adjacent to our property on the east, to build a road that enters our community on the Northeast corner with a gate and turnaround. It will only require the demolition of two residential units instead or the currently proposal of 8 units and it will utilize our current roundabout at the end of the driveway for large vehicles to turn around without backing up.

We will also need any cancelled parking spaces to be replaces since the property was only built with 1.5 parking spaces per unit. Note, our community has 80 total units. If major changes are made are the old parking standards grandfathered in or is the State/County/City required to update to todays requirements?

Sincerely,

Flint Yale
Country Meadows II HOA President
fyale@aol.com
602 330-5284


NORTHERN PARKWAY
GATE
Exist R/W
Prop 8' PUE
SOUND PROOF CONTINUOUS BLOCK WALL PER FEDERAL, STATE, LOCAL REGULATIONS
ELECTRIC GATE WITH TURNAROUND LARGE ENOUGH FOR BIG TRUCKS, FIRE TRUCKS, ETC. AND REMOVING ONLY 2 UNITS.
COUNTRY MEADOWS II
VACANT LOT
New southern entrance to be configured to provide:
-New vehicle turn around
-A minimum of 8 covered parking spaces
-A minimum 23 uncovered parking spaces
-Reestablish lighting
TCE
Prop R/W
45
AUGUSTA AVENUE
Exist R/W

Comments on February 2, 2021 Meeting on Northern Parkway Project TT0600

On February 2, 2021, the Homeowner's Association (HOA) Executive Staff and resident owners of condominiums located within Country Meadows II, on Northern Avenue, met with the design team, the Right of Way Agent, and the Maricopa County Project Manager for this section of the Northern Parkway Project. The meeting, held on the property of Country Meadows II, gave the Project Manager and Country Meadows residents the opportunity, during an open discussion, to name any shortfalls, suggestions, or objections to the proposed plan. The team listened without interruption, but, to me it seemed a predetermined outcome as all suggestions did not meet either a zoning or a financial parameter.

The team walked the property today, met some of the condominium owners, heard firsthand how their proposed design would affect us. Their design, I am assuming, drawn based on aerial photos, and zoning maps did not include visiting the community and incorporating community needs into the design. Just a few cold lines on the paper and the road moves on past our gate. I fear that the Highway section of the Federal Housing Administration (FHAW) will approve their design efforts. But hopefully, for the record, not before the FHAW knows who we are and how they will affect our future.

Who are we? We are a small, gated enclave. We consist of rental units and owner-occupied units that are home to old men and old women, young men and young women, young couples, old couples, widows and widowers and families with little boys and little girls, and dogs, and cats. We have wheelchair bound residents, cancer patients, cancer survivors, elderly parents whose independence is of utmost importance to them. We have nurses, schoolteachers, an electrician, a police officer, members of the United States military and many retired workers all of whom enjoy the safety our community provides. We have a HOA board that works hard to be fair and unobtrusive while supporting our property and keeping us safe and our units sell or rent as soon as they become available.

We all live safe unassuming lives in our condominiums and now the Northern Parkway Project coming to our neighborhood endangers that very safety. Now, we face losing from two to eight units, probable loud unabated parkway traffic noise, an obscure alleyway to gain entrance to and exit from our homes, property values that will surely take a quick downward turn and rental property owners who might have to lower standards to keep their units occupied. It is about the money, spending the money before time expires on the project's funding, according to the Maricopa County Project Manager. I personally feel that spending the funds wisely means the project will deal as cheaply as possible with us and the parkway will move on.

Some of us rent and can and will just move. But some of us have struggled through the upside-down mortgage years and have called this little island home for many years: Some have lived here since the build of Country Meadows in 1984 and some like me for 26 years or longer. While the design gives our community access to and across Northern Parkway, it does not give us back our safety. It gives us an obscure hard to secure backdoor into our homes via an alleyway thru a dark field. The project does not guarantee any sort of noise barrier as Maricopa County does not have an obligation by law to supply such. We are a small community and losing two to eight units will increase our HOA fees because our services are not based on the number of units but on the community.

We are a tiny neighborhood within the huge County of Maricopa. It is my only hope that the project treats us as fairly as any community within its boundaries.

Kathleen Sinclair
Country Meadows II
10815 W Northern Avenue, Unit 129

From: Ben Markert (DOT) <Ben.Markert@Maricopa.Gov>
Sent: Friday, March 19, 2021 4:00 PM
To: Flint Yale <fyale@aol.com>; ggehlert@glendaleaz.com; clarkjv@aol.com; David Lenzer <david.lenzer@burgessniple.com>; Jason Pagnard <jason.pagnard@burgessniple.com>; Tangella Diaz (RED) <Tangella.Diaz@Maricopa.Gov>; Chad Amos (DOT) <Chad.Amos@maricopa.gov>; Traci Ruth (DOT) <Traci.Ruth@Maricopa.Gov>; Evan Carbonneau <Evan.Carbonneau@burgessniple.com>; Cynthia Alvarez <Cynthia.Alvarez@burgessniple.com>; Randy Dunsey (DOT) <Randy.Dunsey@Maricopa.Gov>; Marinela PapaKonomi (DOT) <Marinela.PapaKonomi@Maricopa.Gov>; jclark@glendaleaz.com
Subject: RE: Northern Parkway/Country Meadows II HOA

Hello Mr. Yale and members of Country Meadows II HOA,

Thank you for your March 4, 2021 email correspondence, which follows up on our conversation held at Country Meadows II HOA on February 1, 2021.

The Northern Parkway project team has been coordinating with the residents abutting Northern Avenue continuously since the inception of the project. The Country Meadows II access issue has been addressed in the 2010 Design Concept Report and the Environmental Analysis prepared for the project which were based also on public input. These documents are publicly available at this link: http://apps.mcdot.maricopa.gov/Projects/northern-parkway.aspx

The existing proposed design for the alternative access to Country Meadows II, accessing the property on the south end directly on the east-west route along Augusta Avenue to the 107 Ave, mitigates the loss of left turn access onto Northern Avenue, complies with the Maricopa Association of Governments (MAG) standards, and is based on coordination with the emergency services representatives and impacts the least public ROW which is in keeping with what our state constitution requires.

Your email included an attachment showing a suggested 90-degree turn from the proposed Augusta Avenue alignment, going north toward Northern Avenue with a cul-de-sac configuration just south of Northern Avenue, along the east edge of Country Meadows II. Unfortunately, Maricopa County cannot acquire additional land from the adjacent property to construct the north-south roadway to the north end of the community, when the proposed access route already meets the needs of the alternative access for the residents of the Country Meadows II development. During our discussion on February 1, I noted that I would follow up on the official reasoning. Our legal staff has confirmed that this approach is consistent with the Arizona Constitution, which directs the government agencies to only acquire property that is necessary for a public use.

Your attachment also requests a sound-proof block wall at the location of the community's current access point onto Northern Avenue. Input from first responders has been that the access point should remain, but we can replace the current gate with one that would be a more solid type and we can reduce the use of the gate by curb-configuration for right-out only (and emergency vehicles to come in).

In addition, the project partners for Northern Parkway have committed to mitigate noise impacts to ADOT standards, which are one of the most stringent standards in the Country. A noise study was conducted as part of the Environmental Assessment, which identified noise sensitive areas like residential areas along the proposed Northern Parkway. Existing noise levels were measured and future noise levels were predicted based on forecast 2030 traffic volumes. During final design of Northern Parkway, the noise study would be refined and the need for specific mitigation measures would be determined.

We intend to continue to work with the HOA as we move the Northern Parkway project into the design phase this fall. We will hold another public meeting when the noise analysis has completed, which I anticipate to be approximately Spring of 2022. We will continue to coordinate with the HOA as to the proposed configuration of the Augusta Avenue access to the community.

Ben Markert
Project Manager
Transportation Systems Management
Maricopa County Department of Transportation
2901 W. Durango Street • Phoenix, AZ 85009
Office: 602.506.8651 • Cell: 602.723.5819
Ben.Markert@Maricopa.Gov

Maricopa County
Department of Transportation