

Manual No

Division No

## MCDOT POLICY / PROCEDURE MANUAL

Type  Part of Another Document

Title

Statement

Category

Division

Owner / Contact

Effective Date

Revised on

Sunset Date

Additional Information

**RESOLUTION**

**A RESOLUTION OF THE BOARD OF SUPERVISORS OF MARICOPA COUNTY, PROVIDING FOR THE ISSUANCE OF OVERSIZE/OVERWEIGHT PERMITS TO MOVE OR OPERATE CERTAIN VEHICLES OVER THE HIGHWAYS AND STREETS UNDER ITS JURISDICTION.**

WHEREAS, it is necessary in the public interest that all uses of public highways and streets, by individuals, corporations, associations, and political subdivisions, be regulated and controlled so that the public safety and welfare can be served; and

WHEREAS, the Arizona Revised Statutes, Section 28-1009, specifies the weight and load of vehicles which may be moved or operated upon any public highway or street throughout the state; and

WHEREAS, the Board of Supervisors of Maricopa County, realizes that public necessity may require certain vehicles or combination of vehicles to be moved or operated over public highways or streets under the Board's jurisdiction that exceed the maximum specified as to legal size, weight or load of said vehicles; and

WHEREAS, the Board of Supervisor is authorized by the Arizona Revised Statutes Section 28-1011, at its discretion, to issue a Oversize/ Overweight permit in writing authorizing an applicant to operate or move a vehicle or combination of vehicles upon any highway or street under its jurisdiction, of a size, weight or load exceeding said legal limits;

NOW, THEREFORE, BE IT RESOLVED by the Board of Supervisors of Maricopa County, that no person shall move or operate, or cause to be operated, any vehicles or combination of vehicles upon any public highway or street under the jurisdiction of the Board of Supervisors of Maricopa County, of a size, weight or load exceeding the maximum specified in Title 28, Chapter 6, Article 18 of the Arizona Revised Statutes, without first applying for and receiving a Oversize/Overweight permit issued by the Board of Supervisors through its County Engineer or his authorized agent; and

FURTHERMORE, that the County Engineer be, and is hereby authorized to issue such Oversize / Overweight permits, in his discretion, only upon his receiving application in writing, showing good cause therefore, specific description of the vehicles and load to be operated or moved and the particular highways or streets for which permit is requested, subject to the following regulations:

## APPLICATION FOR OVERSIZE / OVERWEIGHT PERMIT

- A. A permit shall be required in such a manner and form as prescribed by the County Engineer and signed by the registered owner of the moving equipment or his authorized agent.
- B. All applications shall be made in writing to the County Engineer for approval or disapproval. Any costs associated with the County's review of the permit application shall be borne by the applicant.
- C. An applicant desiring to move any vehicle which exceeds the weight limits established in A.R.S. 28-1009 shall, if requested, present to the County an engineering analysis from an engineer, licensed to practice in the State of Arizona, to indicate to the satisfaction of the County that no damage will occur from overstressing of bridges, pavement or other County property involved in the movement of the vehicle or load covered by permit.
- D. The application for OVERSIZE / OVERWEIGHT permits may be required to be accompanied by drawings clearly showing the vehicle, axle spacings, axle weights, vehicle length, height, width, width out to outside of axles, tire sizes and number of tires per axle(s), payload weight, tare weights and loaded position of payload. The application shall also include a detailed description of the route or a suitable map showing the route to be used clearly marked.

## 2. RESTRICTIONS AND FEES OF PERMITS

- A. A permit shall be issued for a single trip and single load over the route designated. If the route designated originates on a street or highway under the jurisdiction of the Maricopa County Board of Supervisors, the fee for such permit shall be Fifteen Dollars (\$15.00) for a single trip and one load.
- B. A permit may be issued for a specified number of trips over the same route with identical loads and the same equipment for a period of Thirty (30) days where the route designated originates on streets or highways under the jurisdiction of the Maricopa County Board of Supervisors, the fee for such a permit shall be Thirty Dollars (\$30.00).
- C. An annual Oversize permit may be issued for an unspecified number of trips over the same route with identical loads and the same equipment for a period of one calendar year and shall expire one year after such permit was issued when the route designated originates on streets or highways under the jurisdiction of the Maricopa County Board of Supervisors, the fee for such permit shall be Three-Hundred-Sixty Dollars (\$360.00) .

- D. Where a permit has been issued by another authority other than Maricopa County and the owner desires to operate the vehicle on the streets and highways under the jurisdiction of Maricopa County, such permit shall be validated by the County Engineer at no cost when in compliance with all GENERAL RESTRICTIONS as noted in this RESOLUTION.
- E. Where a permit has been issued by another authority in a state other than Arizona and the owner desires to operate each towing vehicle on streets and highways under the jurisdiction of Maricopa County, he may, at his option, register each towing vehicle annually with the County Engineer for a fee of Twenty Dollars (\$20.00) for each towing vehicle which will validate all permits issued by other authorities so that the towing vehicle can operate on streets and highways under the jurisdiction of the Maricopa County Board of Supervisors. This permit shall be known as a "cab" card.
- F. The County Engineer may within his opinion, if an emergency exists, issue a permit for movement at any time when no undue hazards to the other users of the highway exists or be created by such movement.
- G. A permit shall not be issued for a material or commodity haul which can be reduced or loaded within the size and weight limits as set forth in Sections 28-1002, 28-1004, 28-1008, and 28-1009 of the Arizona Revised Statutes.

3.



- A. No OVERSIZE / OVERWEIGHT permit shall be issued for use of any highway, road or other public way under the jurisdiction of the Board of Supervisors of Maricopa County, when any vehicle or combination of vehicles and loads exceeds the following single or tandem axle weights ( tandem axles referred to in this restriction shall be a group of 2 or 3 axles spaced 4 feet apart measured from the center of the axles ) :

- (1) Routes on which structures or bridges are designed for heavy loading and in good condition:

Single axle -----	28,000 lbs.
2 axle tandem 8' wide (4 tires per axle)	46,000 lbs.
2 axle tandem 8' wide (8 tires per axle)	53,000 lbs.
2 axle tandem 10' wide (8 tires per axle)	58,000 lbs.
3 axle tandem 8' wide (4 tires per axle)	50,000 lbs.
3 axle tandem 8' wide (8 tires per axle)	58,000 lbs.
3 axle tandem 10' wide (8 tires per axle)	63,000 lbs.

- (2) Routes on which structures or bridges are designed for light loading and in good condition:

Single axle -----	24,000 lbs.
2 axle tandem 8' wide (4 tires per axle)	40,000 lbs.
2 axle tandem 8' wide (8 tires per axle)	46,000 lbs.
2 axle tandem 10' wide (8 tires per axle)	50,000 lbs.
3 axle tandem 8' wide (4 tires per axle)	44,000 lbs.
3 axle tandem 8' wide (8 tires per axle)	50,000 lbs.
3 axle tandem 10' wide (8 tires per axle)	55,000 lbs.

- B. Maximum loads outlined in tables 1 and 2 above, will not be permitted to cross substandard structures.
- C. Maximum axle and tandem axle weights outlined will be decreased for any axle grouping spaced 18 feet or less apart, as determined by the County Engineer.
- D. The load shall be placed on the vehicle so as to insure that the above limits are not exceeded on any axle or tandem group.
- E. If there is a reasonable doubt as to the weights shown on the application, the County Engineer may require the load be weighed by a certified weigh-master prior to issuance of the permit.
- F. Any falsification of weights shall be cause for rejection of the application or the revocation of a permit already granted.
- G. All vehicles being operated under the conditions of a Overweight permit shall abide by the restrictions as set forth in Section 5 of these rules and regulations or under special speed restrictions when, in the opinion of the County Engineer, special speed restrictions are indicated.

4.



- A. A permittee shall not cross a bridge with a load in excess of the posted load limit of such bridge. An applicant (permittee) desiring to use a route involving a posted bridge, or bridges, shall detour the bridge, or bridges, by the best available means or shall submit an alternate route for approval.
- B. The maximum permitted load, on any bridge, shall not exceed 1-3/4 times the gross load set forth in Section 28-1009, Arizona Revised Statutes, nor shall the maximum axle or axle group loadings exceed 25 percent of the limits set forth in Section 28-1009, Arizona Revised Statutes.
- C. An auxiliary (jeep) axle or axles may be used in combination with a semitrailer unit to increase the gross capacity but the axle group load shall not exceed that set forth in paragraph 3 above, except under special conditions to be determined by the County Engineer.

5.

#### SPEED RESTRICTIONS

- A. No vehicle or vehicles being operated under the conditions of a Oversize permit shall be operated at a speed in excess of 40 miles per hour. Speed shall be reduced to conform to lower posted speed or legal speed limits.
- B. No vehicle or vehicles being operated under the conditions of a Overweight permit shall exceed the following speed restrictions:
  - (1) Thirty-five miles per hour when posted or legal speed limits in excess of 35 miles per hour. Reduce speed to posted or legal limits in all other areas and to that required under special restrictions imposed by the County Engineer.
  - (2) The County Engineer may restrict the speed of any vehicle or vehicles being operated on a permit when, in his opinion, conditions exist or are indicated, which make it necessary to restrict operation to specific speed in order to prevent hazards or damage to the highway.
  - (3) Where specifically noted on the permit, a vehicle or vehicles operating under the conditions of a Oversize permit shall make a full stop before entering any bridge, and proceed across the bridge at a restricted speed. No changing of gears shall be permitted on any bridge.

Where specifically noted on permit, no other vehicles shall be allowed on the bridge at the same time as the overweight vehicle or vehicles. Overweight vehicle or vehicles must travel in the center of the bridge roadway, and traffic in each direction must be stopped by flagman and all necessary safety measures must be taken.

6.

#### TIME LIMITATIONS

- A. No vehicle or vehicles being operated under the conditions of a OVERSIZE / OVERWEIGHT permit shall use any highway, road or other public way during the following time periods:
  - (1) NO NIGHT MOVES : from a half hour after sunset to a half hour before sunrise. Except under building and structure moving regulations.
  - (2) When special hazards exist that may require more light for reasonable public safety.
  - (3) NO RUSH HOUR MOVES: 7:00 AM TO 9:00 AM, 4:00 PM TO 6:00 PM.
  - (4) From Twelve o'clock noon on any Saturday through Sunday.
- B. No permit shall be issued for movement on any legal bank holiday. If the holiday falls on a Monday, the movement shall stop before noon the Friday preceding the bank holiday.

7.

**BUILDING AND STRUCTURE MOVING REGULATIONS**

- A. **OVERSIZE / OVERWEIGHT** permits to move buildings and structures will be issued only when the required zoning and building permits have been obtained from the Maricopa County Planning and Development Department and the equipment used is suitable for the purpose of moving buildings and structures. Every **OVERSIZE / OVERWEIGHT** permit issued shall be governed the following restrictions:
- (1) Where a **OVERSIZE / OVERWEIGHT** permit is given to move any building or structure or any part thereof, the permit shall contain the conditions under which the load shall be moved, and the load shall be moved along the extreme right-hand side of the roadway, including the shoulder, leaving a clear passing lane on the left-hand side of the roadway, provided that where the width of the roadway is such that traffic cannot move in any direction, the permittee shall not tie up traffic in any direction more than five minutes. If it becomes necessary, because of a narrow bridge, or structure to temporarily block the passing lane, the permittee shall use extreme caution in flagging the traffic from both directions. After passing the structure, the load shall be immediately moved to the extreme right-hand side of the roadway and proceed as provided herein.
  - (2) Any building or structure being transported on dollies or trailers shall be of sufficient height above the roadway level to allow for clearance of guard rails, bridge railings, and other highway installations.
  - (3) Upon completion of the moving work, all timbers, and equipment shall be removed from the right-of way, and the highway and related facilities shall be restored to original condition with the permittee required to pay for any damage and the cost of repair to restore to the original condition.
  - (4) Permittee shall notify the owner or utility company of all overhead lines subject to disturbances or damage by moving operation. Permittee shall be held responsible for the restoration of overhead lines disturbed or damaged by moving operation.
  - (5) Building and structure moving shall require a single permit for each trip.
  - (6) Permits issued for moving buildings or structures, in addition to those contained herein, are subject to all regulations for excessive size and weights of vehicles and loads.
  - (7) Permits for moving buildings or structures are based upon the premise that when such oversize loads are moved, the permittee will be held to the strictest compliance with the permit regulations and maintenance of the clear passing lane.

B.

**BUILDING AND STRUCTURE NIGHT MOVES :**

An applicant may request to have a permit issued for the move a building or structure at night. This application shall be reviewed on a case by case basis by the County Engineer or his assigned representative and approved or denied at his discretion. If approved, the following requirements must be met;

- (1) The building or structure must be 30 feet in width or wider, except when such move is exiting a city or municipality that allows a smaller width load to be moved at night
- (2) The applicant must have a bond of Ten Thousand Dollars (\$10,000) posted with the Maricopa County Highway Department to be cashed in the event of damage to highways or appurtenances.
- (3) All moves must be made from midnight to 6:00 A.M. as specified on permit.
- (4) White lights shall be prominently displayed on the front of the structure being transported no greater than four feet apart.
- (5) Amber lights shall be prominently displayed on the left and right sides of the structure being transported no greater than four feet apart.
- (6) Red lights shall be prominently displayed on the rear of the structure being transported no greater than four feet apart.
- (7) No permit to move any building or structure shall be granted to any applicant other than to a bona fide owner of such building or structure unless the applicant is properly licensed by the Registrar of Contractors of the State of Arizona and has fully complied with all rules and regulations promulgated by the Registrar of Contractors as required by law.
- (8) The owner shall be responsible to furnish satisfactory evidence of financial responsibility.
- (9) Minimum of four escort vehicles (two pilots and two follow-up) will be required at all times on all moves conducted at night.
- (10) Each escort vehicle shall display a minimum of one flashing amber light visible at least 500 feet in all directions.
- (11) Two (2) Maricopa County Sheriff deputies must accompany the entire move (one deputy in front of the load and one deputy to the rear of the load) on all sections of roadway under jurisdiction of the Board of Supervisors of Maricopa County. Deputies names and badge numbers shall be supplied to the permits section prior to the move. A deputy shall be required to telephone the permits section of Maricopa County Highway Department at 233-8609, as soon as possible after completion

of the move and relay the following; times move started and ended, any problems encountered on move, any damage and location of damage.

- (12) Permits issued for the movement of buildings or structures at night shall be subject to all regulations for permits for excessive size and weight of vehicles and loads.
- (13) Permits MUST be applied for a minimum of two working days prior to scheduled move.

8. **ESCORT VEHICLE REGULATIONS**

A. **EQUIPMENT REQUIREMENTS :**

- (1) **Size of vehicles:** Escort vehicles must be a passenger car or two axle truck not exceeding 20,000 pounds G.V.W. and be capable of displaying required warning devices.
- (2) **Flags and signs:** All escort vehicles shall display red flags (clean and in good condition) twelve (12) inches square on all corners of the vehicle and display an "OVERSIZE LOAD" sign mounted securely to the vehicle at least five feet above the pavement level facing traffic approaching the load. Oversize load signs shall be removed or entirely covered when not in use.

**Warning lights:** Warning lights are required and must be in accordance with 28-947(D) of the Arizona Revised Statutes.

- (4) **Radio equipment:** Each vehicle shall be equipped with a two-way radio capable of transmitting and receiving voice messages over a minimum distance of one-half mile and be compatible with two-way radios in accompanying escort and towing vehicles. Radios and operators shall have all necessary approvals and licensing required by the Federal Communications Commission. Radios designed for use under Federal Communications Commission rules, Part 15, Sub-part E are not acceptable.
- (5) **Emergency equipment:** Escort vehicles shall carry a minimum of eight (8) flares, a first-aid kit and two (2) red flags twelve (12) inches square on a staff. The first-aid kit shall conform to the Federal Motor Carriers Safety Regulations, paragraph 393.96, or as amended.

B. **VEHICLE OPERATION**

- (1) Escort vehicles shall have their headlights and warning lights on and operating at all times when in service.
- (2) When a escort vehicle is operated as a pilot vehicle (preceding an oversize vehicle or a vehicle towing an oversize load) or operating as a rear escort vehicle (following an oversize vehicle or a vehicle

towing an oversize load) the distance between such load and the escort vehicle shall not be less than one hundred (100) feet nor more than five hundred (500) feet, except where visual contact with an escorted load cannot be maintained.

- (3) When traveling on a route where traffic signals control the movement of traffic, if an escort vehicle passes through an intersection and the load being escorted is required to stop, the escort vehicle will stop as soon as possible at the right hand side of the road when the stop can be done in safety and not resume until the escorted load approaches to the required distance to the escort vehicle. When the escort vehicle following an escorted load is required to stop at an intersection, the escorted load shall proceed in the direction as planned and the escort shall resume its normal distance behind the escorted load as soon as possible after being allowed to proceed through the intersection.

9.

#### GENERAL RESTRICTIONS

- A. When any vehicle or vehicles are being operated under the provisions of an OVERSIZE / OVERWEIGHT permit, such permit shall be carried in the vehicle or combination of vehicles to which it refers, and the following applicable restrictions shall be shown on the permit. In addition, the County Engineer may impose ANY additional restrictions to reduce traffic hazards.
  - (1) All bulldozer blades and dozer arms which are more than 12 feet 6 inches wide (measured at right angle to the longitudinal axis of the hauling equipment) shall be removed and transported in a manner so that they will not create a traffic hazard.
  - (2) Equipment having dozer type blades at or shorter than those described in sub-paragraph (1) above, may be transported under permit without detaching the blade from the equipment provided, and only when the dozer blade is firmly supported so as to provide a MINIMUM vertical clearance of 6 feet 6 inches from level surface of the roadway.
  - (3) All over-width vehicles or loads, shall display the required "OVERSIZE LOAD" sign both to the front of the foremost vehicle or vehicles, and on the rear or the last vehicle in any combination of vehicles. The OVERSIZE LOAD sign shall comply with the sign specifications shown in Appendix A of this Resolution, except signs from other states are acceptable when in compliance with AASHTO standards.
  - (4) On the vehicle or vehicle combinations upon which the oversize load is loaded, the signs shall be mounted on the forward most part of the towing vehicle and the rear-most part of the load or vehicle on which the load is loaded in such a manner as to be clearly visible.

All over-width loads and vehicles must be flagged with red flags (clean and in good condition) twelve (12) inches square or larger, on

all extremities.

- ) All over-width loads and vehicles 15 feet wide and less than 20 feet wide shall require a pilot escort vehicle.
  - (7) All overwidth loads and vehicles 20 feet wide or over require pilot and follow-up escort vehicles.
  - (8) If vehicle or load is 14 feet high or over, a non-conductive wire guide must be used to guard against overhead wires.
  - (9) All loads or vehicles with an overhang in excess of 6 feet in front or rear must be flagged.
  - (10) All loads or vehicles with an overhang of 20 feet or more in front require a pilot escort vehicle.
  - (11) All loads or vehicles with an overhang of 20 feet or more in rear require a follow-up escort vehicle.
  - (12) Barges to be launched on the Salt River Lakes must be accompanied by a launching permit required by the U.S. Forest Service before a OVERSIZE / OVERWEIGHT permit may be issued.
  - (13) No Overweight permits shall be issued for a two-axle truck or vehicle, two-axle tractor and one or two-axle semitrailer. All Overweight permits require a minimum of three axles for a single vehicle and a minimum of five axles for combination of tractor and semitrailer.
- B. A mover of any item 20 feet or greater in width must provide the proposed route of move a minimum of 24 hrs. (One working day), preferably 48 hrs. (Two working days) prior to the move, to the Traffic Engineering Division of the Maricopa County Highway Department, Attention Traffic Engineering Supervisor, 3325 W. Durango Street, Phoenix, Arizona. The route shall be supplied at the time of application but the permit shall not be valid until 24 hrs. after application has been made.

10.

#### ENFORCEMENT AND LIABILITY

- A. **Enforcement:** The Sheriff of Maricopa County shall enforce the provisions of this resolution a manner he deems necessary under the authority of Title 28, Chapter 6, Article 18, Arizona Revised Statutes, with respect to highways and streets under the jurisdiction of the Board of Supervisors of Maricopa County, but such OVERSIZE / OVERWEIGHT permit shall be open to inspection to any authorized agent of said County. Permits shall be revoked for misuse. Vehicle and load shall be parked clear of traffic and remain standing until such time as all requirements of this resolution are met and a new permit has been issued prior to the resumption of movement. Flagrant violations may cause the permittee to have permit privileges suspended, subject

to review by the County Engineer.

- B. **Liability:** Any damage done to the highways over which a permitted load is transported, including the roadway surface, signs, markers, railings, guards, delineators, overhead wires, structures and appurtenances shall be paid for by the permittee causing said damage upon demand of the owner of the property damaged. To insure payment, the County may require the applicant for the permit to show proof of insurance which will pay for such damage. If no such proof is furnished, a cash deposit or bond in a form approved by the County, of at least \$1,000.00 may be required.
- C. **Saving the County Harmless:** An applicant for a permit under these rules shall agree to hold the County Engineer, agents, any of its departments, divisions, agencies, officers and employees harmless from all sums which the County Engineer, agents and any of its departments, divisions, agencies, officers or employees may be obligated to pay by reason of any liability imposed upon any of the above damages arising out of the issuance of a permit under these Rules or arising out of any movement made pursuant to the permit or caused by any negligent act or failure to act committed by the permittee or any person employed by the permittee or any others for whose action the permittee is legally liable. The above sums shall also include in the event of litigation, court costs, expenses of litigation and a reasonable attorney's fee.

11. **VALIDITY OF PERMITS**

- A. An **OVERSIZE / OVERWEIGHT** permit shall be valid only when issued by the County Engineer, or his authorized agent.
- B. **OVERSIZE / OVERWEIGHT** permits granted hereunder are valid **ONLY** on the roads and streets described on the permit, and the right to use State or Federal highways, or city streets is neither granted nor implied. Permits for use of other than routes designated on the permit shall be procured from the proper authority.

12. **APPEAL**

In the event the granting of an **OVERSIZE / OVERWEIGHT** permit under these regulations is refused, the applicant shall have the right to appeal to the Board of Supervisors of Maricopa County, by filing a written petition of appeal, setting forth all facts pertaining to such application. Such appeal shall be made within ten (10) days of the refusal of the permit and shall be heard by the Board as soon thereafter as can be conveniently done.

13. **EMERGENCY**

Adoption of these Rules and Regulations being necessary for the immediate preservation of public peace, health and safety and public procedure thereon being impracticable and unnecessary, the foregoing rules are adopted as emergency rules.

FURTHERMORE, that, except for permits for the movement of vehicles owned by the United States Government, the County Engineer shall collect and account for all fees set forth in this resolution as required by A.R.S. 28-1011(G), and all fees and all fines for the violation of these permit regulations, unless otherwise specialty provided by law, shall be paid immediately to the County Treasurer, who shall credit the amount to the General County Road Fund; and

BE IT FURTHERMORE RESOLVED, that, this resolution be entered in the minutes of the Board of Supervisors of Maricopa County and that the Clerk of said County be, and is hereby directed to give notice to the County Engineer, the County Treasurer, and the Sheriff, of the provisions herein.

ADOPTED AND APPROVED BY THE BOARD OF SUPERVISORS OF THE COUNTY OF MARICOPA

this 10th day of July 1989

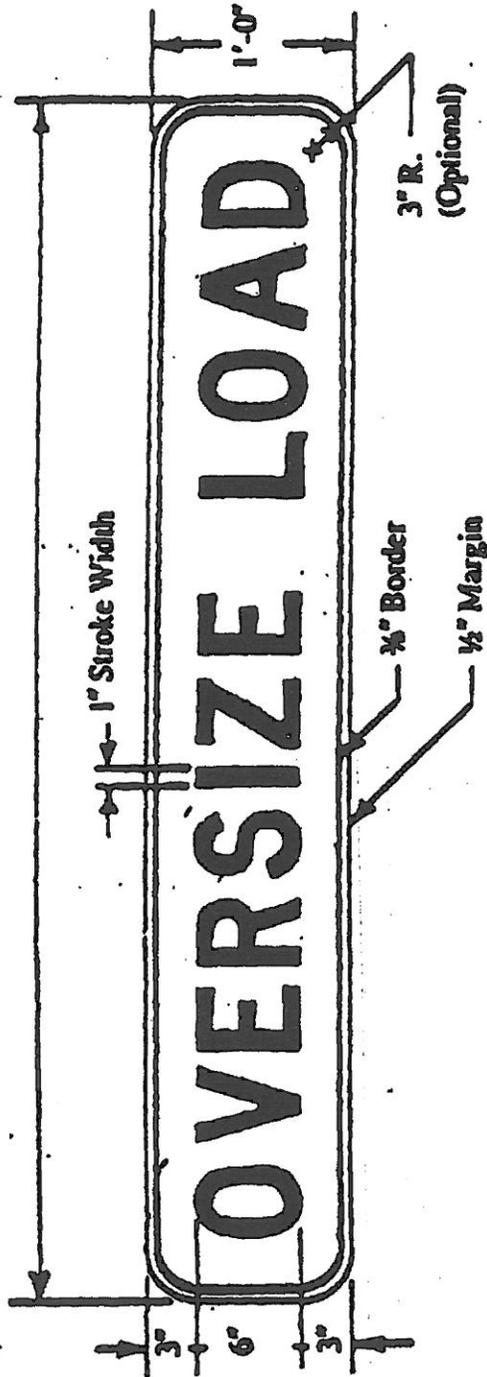
S/Chairman of the Board.

C. Pennington

APPENDIX A

SIGN SPECIFICATIONS FOR OVERSIZE  
LOADS AND ESCORT VEHICLES

5'-0" for Escort Vehicles  
6'-0" for Oversize Vehicles



All dimensions shown are minimum.

Black Letters — 6 Inch Series "D"

Yellow Background — If oversize load is to be transported during hours of darkness, the background of the sign shall be reflectorized, or illuminated.

Any sign in compliance with AASHTO standards is acceptable.