

NDOT OVER DIMENSIONAL PERMITS INSTRUCTION 8-08

Date: November 14, 2008

Subject: Special Procedures and Conditions for Vehicles and Loads Exceeding Legal Weights

Reference: (a) NRS 484.737
(b) NRS 484.745
(c) NAC 484.440
(d) NAC 484.460 – NAC 484.580
(e) NRS 484.752
(f) NRS 408.214

Enclosure: (1) Purple and Bonus Overloads Weight Chart
(2) Green and Bonus Overloads Weight Chart
(3) Orange and Bonus Overloads Weight Chart
(4) NDOT Weight Restricted Bridges and Routes 8-08 (with Maps)

1. **Purpose.** Pursuant to Nevada Revised Statute (NRS) 484 and Nevada Administrative Code (NAC) 484, specifically references (a) through (d), the State of Nevada Department of Transportation (NDOT) permits vehicles and loads when axle and gross weights exceed legal limits. NDOT herein restricts the routing of overweight vehicles and loads on select bridges and routes in accordance with references (e) and (f).
2. **Background.** Weight restrictions based on the Federal Bridge Formula [references (c) and (e)] are established in order to protect and preserve Nevada's transportation infrastructure, to ensure public and commercial traffic safety, and to ensure compliance with federal funding guidelines established in Title 23, Code of Federal Regulations (CFR). NDOT axle weight standards are as described in enclosures (1), (2) and (3). These instructions apply to all overweight vehicles and loads operating with either a single-trip or an annual NDOT over-dimensional permit, including self-propelled cranes, concrete pumpers, farm equipment and special mobile equipment. Self-propelled cranes and concrete pumpers because of their unique characteristics are required to abide by the additional procedures described herein. Because the State's bridge inventory is inspected regularly and continually, resulting in periodic changes to the restrictions described, this letter of instruction will be reviewed and revised at least annually and updates provided to those affected.
3. **Procedures and Conditions**
 - a. **General (Applies to all Overweight Permits)**
 - (1) All overweight permits are subject to the general conditions and restrictions as described in NAC 484.535 and the restrictions identified in enclosure (4). Permittees

will be provided a copy of enclosure (4), and all permits will be annotated as follows:
“Bridge and Route Restrictions 8-08 Apply.”

- (2) Overweight vehicles or loads must also meet the standard width, height, length and overhang criteria for either the annual permit or single-trip permit, as applicable.
- (3) Periodically as revisions occur to the bridge and route restrictions, updated information will be broadcast to annual permittees via electronic mail, the NDOT web site, facsimile, and/or ground mail. When applying, annual permittees are responsible for providing current contact information to NDOT to allow for timely notification of these updates. These revisions will also be posted on the NDOT web site at www.nevadadot.com/business/trucker/.
- (4) Additional permit restrictions and conditions may apply if a vehicle or load is oversized, or due to special situations, maintenance, construction, acts of nature, or spring thaw conditions. See the standing NDOT letters of instruction posted on the above web site and the temporary restrictions posted on the NDOT Travel Information System (dial 511) and the Road Conditions web page at www.nevadadot.com/traveler.
- (5) To allow the permittee maximum flexibility, permitted weight will be for the maximum allowable according to either enclosure (1) or (2).
- (6) On all steering and fixed axles and based on the tire sidewall information, the tire loads on a permitted vehicle cannot exceed 800 pounds per inch of tire width (PPITW) or the load limit established by the tire manufacturer, whichever is less.
- (7) A vehicle not meeting the criteria as described herein for either an annual or single-trip permit cannot be self-propelled and must be trailered to and from its destination on any highways of the state. If oversized or overweight, the appropriate over-dimensional permit is required for the trailered load.
- (8) Overweight fines double on the restricted bridges and routes pursuant to NRS 484.757.
- (9) Overweight vehicle combinations with a tridem axle combination and overweight Super Load vehicle combinations are also subject to the current NDOT letters of instruction on those subjects.
- (10) Permitting of oversized and overweight farm equipment and special mobile equipment will be further addressed in separate letters of instruction to be published in the near future.

b. Annual Permits

- (1) An overweight vehicle or load with up to 7-axle configuration may be considered for an annual permit with purple bonus weight loading (single-wide, non-bonus and bonus loading), according to enclosure (1).
- (2) An overweight vehicle or load with up to a 12-axle configuration may be considered for an annual permit with green bonus weight loading (single-wide, non-bonus and bonus loading), according to enclosure (2).
- (3) Vehicles with tridem axles are not allowed any bonus weight tridem axles; see the current NDOT letter of instruction on that subject.
- (4) Overweight vehicles that do not meet the above criteria for an annual permit must apply for a single-trip permit.

- c. Application Requirements. Overweight vehicle/load permit applicants must provide:
 - (1) Maximum desired weight per each axle not to exceed enclosures (1) or (2).
 - (2) Distances between each axle to the nearest inch.
 - (3) Axle length (distance between the exterior sidewalls of the outer tires).
 - (4) Tire sizes and the load limit established by the tire manufacturer on the tire sidewall.

- d. One-Time Special Use of Restricted Bridges. A special single-trip permit for overweight vehicles and loads may be issued by NDOT for the use of the restricted bridges and routes described in enclosure (4), when the departure or arrival site cannot be accessed using a non-restricted bridge or route. Vehicle combinations and loads may have to be reconfigured to minimize axle weights and special conditions may apply to movement on the restricted bridge or route. Structural Design Division will review all such overweight requests.

- e. Additional Procedures for Self-propelled Cranes and Concrete Pumpers
 - (1) Application Requirements. In addition to the items described in paragraph 3c, a description and schematic of the vehicle in the proposed configuration for movement is required.
 - (2) Definition of Non-reducible. To qualify for an over-dimensional or overweight permit, self-propelled cranes and concrete pumpers must be non-reducible (i.e., non-divisible) as defined in NAC 484.476 and 23 CFR Part 658.17 which states:

“... non-divisible means any load or vehicle exceeding applicable length or weight limits which, if separated into smaller loads or vehicles, would:

- (i) Compromise the intended use of the vehicle, i.e. , make it unable to perform the function for which it was intended;*
- (ii) Destroy the value of the load or vehicle, i.e. , make it unusable for its intended purpose; or*
- (iii) Require more than 8 work hours to dismantle using appropriate equipment. The applicant for a non-divisible load permit has the burden of proof as to the number of work hours required to dismantle the load.”*

As described above, “work hours” means “man-hours” and “8 work hours” does not include the time to rebuild. To meet the non-reducible requirement and the bridge weight requirement, the vehicle’s gross weight and/or axle weights must be minimized if feasible, by removing, reconfiguring or shifting the counterweights, the boom, and other devices. This may be accomplished with the use of a dolly for the boom or, if not in excess of 70 feet in overall length, a trailer to transport a portion of the weight.

- (3) Scale Weights. Proof of exact scale weight from an authorized Nevada or other state station is preferred. For an unpermitted vehicle to obtain a scale weight off-site, the vehicle must be trailered. If over-sized or overweight when trailered, it must be permitted for any movement within the state. If there is no other viable alternative, a one-time, single-trip permit without proof of scale weight may be authorized for a round-trip of up to 100 miles within the state. In lieu of commercial or state scale

weight, NDOT will accept a signed letter from the owner or manufacturer certifying the actual axle weights and the other information required in paragraph 3c above. When available, the Nevada Highway will also provide scale weight service for a fee; contact (775) 687-5300 and allow at least four weeks for scheduling.

- (4) Vehicle File. NDOT will maintain an individual vehicle file so the above information need be submitted only the first time a permit is requested under these new guidelines. If the configuration and scale weights have not been modified from a previously approved permit, subsequent applications will be evaluated based on the desired route and travel dates/times only. If a vehicle is modified in any significant way from its permitted configuration, the owner is obligated to apply for a new permit and provide current data.
 - (5) Phase-out of Past Semi-annual Permits. Until December 16, 2008, the Nevada Highway Patrol will honor any current area-restricted, semi-annual permits for the duration listed on the permit. Thereafter, the permitted vehicle must be reevaluated and qualify for either an annual or single-trip permit using the new guidelines.
 - (6) New Equipment Purchases. NDOT recommends that for any new equipment orders, and prior to any actual purchase, potential permittees submit the complete descriptions, schematics and weights to NDOT for evaluation of the new equipment's feasibility under Nevada laws. Feedback on such requests will be provided as soon as feasible.
4. **Action**. All Permit Agents will comply with this instruction and make a copy available to permittees as required or when requested.
 5. **Supersedes**. N/A.

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Administrative Services Officer II

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Richard Nelson
Assistant Director, Operations

NDOT Weight Restricted Bridges and Routes 8-08

Reference: NDOT Over Dimensional Permits Instruction 8-08 dated 11/14/08 (see www.nevadadot.com/business/trucker/)

These restrictions apply to all vehicles with overweight permits (purple weight, green weight, annual, single-trip and special) issued by the Nevada Department of Transportation (NDOT) in accordance with the reference and the attached map.

General Restriction: All overweight permittees must minimize use of the shoulder area on all bridges in the state.

Restriction Note #1 (Yellow): Purple Weight Vehicles use slow lane only; do not use shoulders.

Restriction Note #2 (Blue): Purple Weight Vehicles cross at maximum 5 mph; do not use shoulders.

Restriction Note #3 (Green): Green Weight Vehicles only; Purple Weight Vehicles strictly prohibited.

Restriction Note #4 (Red): Purple and Green Weight Vehicles strictly prohibited. Note that these structures are weight-restriction posted.

| <u>Structure #</u> | <u>Location</u> | <u>Route Carried</u> | <u>Feature/RouteUnder</u> | <u>Restriction Note</u> |
|--|---|----------------------|---------------------------|-------------------------|
| <u>Eastern Nevada/Elko, Lander, Eureka, White Pine and Lincoln Counties (North to South)</u> | | | | |
| B-1942 | NE Tuscarora | N Tuscarora Rd | SF Owyhee River | 4 |
| B-1662 | Deeth | CR 701B | Marys River | 4 |
| B-1851 | Battle Mountain | Old River Rd | Reese River OF | 4 |
| B-1839 | NW Eureka | Denay Valley Rd | Henderson Creek | 4 |
| G-411 | Ruth | County Rd | NNRR | 4 |
| B-219 | Caliente | US 93 | Meadow Valley | 2 |
| SR 225 | ID/NV Stateline to Wild Horse Reservoir | | NA | 3 |
| SR 228 | Elko to Jiggs | NA | NA | 3 |
| <u>I-80 (East to West)</u> | | | | |
| G-851EW | W Lovelock | I-80 | SR 396/SR 397 | 1 |
| B-716EW | Wadsworth | I-80 | Truckee River | 1 |
| B-764EW | SW Verdi | I-80 | Truckee River | 1 |
| <u>Western Nevada/Washoe, Pershing, Churchill, Storey, Lyon and Douglas Counties (North to South)</u> | | | | |
| B-570 | N Mill City | Tungsten Rd | Pit Taylor Canal | 2 |
| G-29 | NE Lovelock | FR PE01 | SPRR | 4 |
| G-851EW | W Lovelock | I-80 | SR 396/SR 397 | 1 |
| B-716EW | Wadsworth | I-80 | Truckee River | 1 |
| B-1690 | SW Wadsworth | Painted Rk Rd | Truckee River | 4 |
| B-2187 | Fernley HL | Gustafson Rd | TC Canal | 4 |
| B-1707 | NW Hazen | Rural Rd | TC Canal | 4 |
| B-1706 | S Hazen | Rural Rd | TC Canal | 4 |
| B-468 | SW Fallon | St Clair Rd | AA-Canal | 4 |
| B-1687 | N Verdi | Bridge St | Truckee River | 4 |
| B-764EW | SW Verdi | I-80 | Truckee River | 1 |
| B-1427 | Lockwood | County Rd | Lousetown Creek | 4 |
| B-2476 | W Dayton | Six Mile Canyon Rd | Six Mile Creek | 4 |
| B-375 | S Silver City | County Rd | Gold Canyon Creek | 4 |
| B-1711 | Dayton | Shady Ave | Gold Canyon Creek | 4 |
| B-1607 | E Wabuska | IRR LAPW Rd | Walker River | 4 |
| B-1610 | S Yerington | Nordyke Rd | EF Walker River | 4 |
| B-1611 | S Yerington | Nordyke Rd | WF Walker River | 4 |
| B-576 | S Minden | SR 88 | Brockliss Slough | 2 |
| B-580 | W Gardnerville | SR 88 | Home Slough | 2 |
| SR 722 | Austin to Middlegate | | NA | 3 |
| <u>Southern Nevada/Clark County (North to South)</u> | | | | |
| I-1219 | Las Vegas | SR 573 | US 95 | 2 |
| H-2148 | Las Vegas | Service Rd | Paradise Rd | 4 |
| I-1899 | Henderson | SR 582 | US 95 Off Ramp | 1 |
| SR 157 | US 95 to Charleston Park | | NA | 3 |
| SR 165 | US 95 to North Nelson | | NA | 3 |

Enclosure (4)