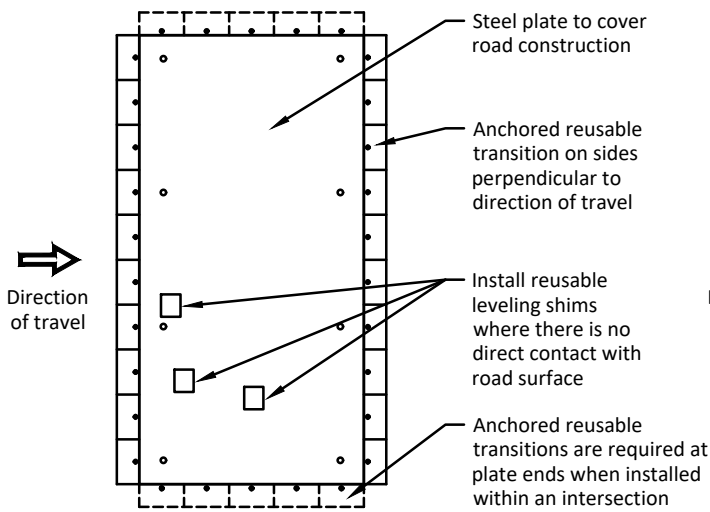
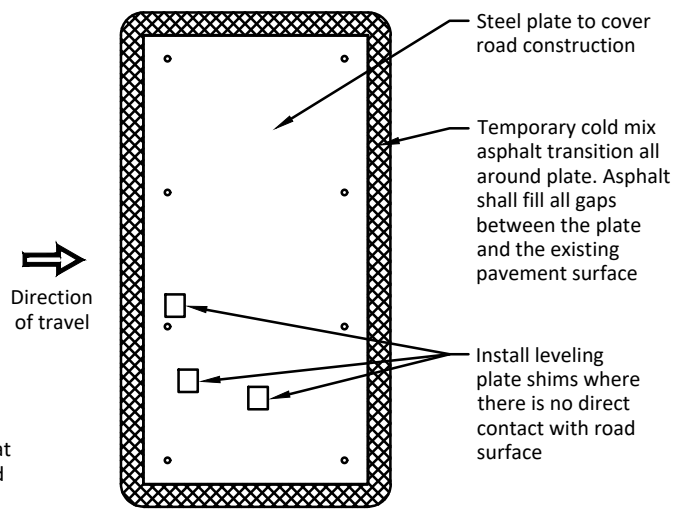


STEEL PLATE INSTALLATION

SCALE: NTS



Reusable Anchored Transitions



Asphalt Transitions

TRANSITIONS

SCALE: NTS

NOTES:

- Steel plates must be able to withstand H-20 traffic loading without any movement.
- Steel plates shall be fabricated to meet ASTM A36 steel requirements.
- Steel plates shall have skid resistant textured surfaces.
- When two or more plates are used, the plates shall be tack welded together at each corner to reduce or eliminate vertical movement.
- Steel plates shall be installed to resist bending, vibrations, etc., under traffic loads and shall be anchored securely to prevent movement.
- All steel plates shall be without deformation. The plates surface shall not deviate more than $\frac{1}{4}$ inch when measured with a 10-foot straight edge along the length of the plate.
- Before steel plates are installed, the excavation shall be adequately shored to support the bridging and traffic loads.
- Anchored reusable transitions to be "Plate Locks Road Plate Securing System" or equivalent.
- Reusable leveling shims to be "Plate Shims" or equivalent.
- Reusable leveling shims and transitions to be anchored using THD $\frac{3}{4}$ " x 4" anchor and washer or equivalent.
- Place W8-24 "STEEL PLATE AHEAD" warning sign 100 feet in advance of the steel plate location.
- Steel plate installation type and minimum plate thickness shall adhere to Road Classifications unless noted otherwise.
- Local Roads with an ADT greater than 5,000 shall use Type 2 installation.
- On all concrete roads, Type 1 installation shall be used with $\frac{1}{4}$ " min. thick plate.
- Prior to placing the steel plates, the applicant shall have a submitted and approved Washington County Steel Plate Alert Form.



W8-24

Steel Plate Installation	Road Classification	Posted Speed	Min. Plate Thickness
Type 1	Local Road	Less than 35 mph	1 inch
Type 2	Collector & Arterial	35 mph and greater	$1\frac{1}{4}$ inch



WASHINGTON COUNTY
DEPARTMENT OF LAND USE &
TRANSPORTATION
ENGINEERING SECTION

TEMPORARY STEEL PLATES

PLOT STAMP: 06/27/24 2:10P NOAHL
CAD: 3080.DWG

EFFECTIVE DATE: 07/01/2024

WASH. CO. #

3080