GENERAL NOTES

1. COVER PLATES AND STEEL RETAINER RAILS SHALL CONFORM TO AASHTO M270 GRADE 250 OR GRADE 345W STEEL. COVER PLATE BOLTS SHALL CONFORM TO ASTM F593 TYPE 304 STAINLESS STEEL. WASHERS SHALL CONFORM TO ASTM F844 EXCEPT THEY SHALL BE MADE FROM ALLOY 304 STAINLESS STEEL. STUD ANCHORS SHALL CONFORM TO ASTM A193 GRADES D1, D2, E1, AND E2. ALL CONCRETE INSERTS SHALL BE CLOSED-END AND SHALL CONFORM TO AASHTO T32A. TENSILE CAPACITY SHALL BE 13.3 kN MIN.

2. Joints shall be continuous throughout the joint.

3. Shop drawings shall include details of the shop welded splice of the steel retainer rail at the upturn in the barrier rail.

4. Closed-end formed and stud anchors shall be shop welded and all welding done prior to setting in the joint. All welding shall conform to AASHTO M270, Grade 250 or Grade 345W, as applicable.

5. Surfaces coming in contact with neoprene shall be ground smooth prior to metallizing.

6. Upon completion of shop fabrication, the steel parts shall be metallized as shown in "Strip Seal Assembly." See special provisions for thermal sprayed coatings for detail 8.

7. At field shop locations, the ends of the steel retainer rails shall be cut parallel to the joint centerline. For field shop-welded splice, the ends shall be cut to a minimum length of 800 mm greater than joint end. The finished field welds shall be ground smooth and coated with a minimum film thickness of 0.0014 in. of zinc-rich paint in accordance with the standard specifications.

8. Field shop-welded steel parts shall be applied to a minimum film thickness of 0.0014 in. of zinc-rich paint in accordance with the standard specifications.

9. Installed steel retainer rails shall follow the roadway slope.

10. After the concrete has been cast on both sides of the joint, remove any excess concrete that comes out of the weep holes. Any damaged steel shall be coated with 0.100 mm (dry) of zinc-rich paint in accordance with the standard specifications.

11. Field shop-welded steel parts shall be applied to a minimum film thickness of 0.0014 in. of zinc-rich paint in accordance with the standard specifications.

12. For strip seals, see special provisions.

13. The contractor may, at his option, use adhesively anchored anchor bolts in place of concrete inserts for cover plates. The yield load of the 19.05 mm dia. bolt is 44.5 kN. Field testing of the adhesive bonding system is not required.

UPON COMPLETION OF SHOP FABRICATION, THE STEEL PARTS SHALL BE METALLIZED AS SHOWN IN "STRIP SEAL ASSEMBLY." SEE SPECIAL PROVISIONS FOR THERMAL SPRAYED COATINGS (METALLIZATION).