NOTES:

1. The contractor shall take all necessary precautions to protect the sleeper from temperature changes or set condition which could cause movement or uneven settlement to the sleeper slab.

2. To permit unimpeded longitudinal movement of the approach slab accurately, control the width of the sleeper slab to follow up and be parallel to the top layer of all the concrete beam. The top slab of the approach slab, provide bond breaker that is 6 mil thick and provide 2"-4" laps.

3. Class C concrete for the sleeper slab shall be in accordance with section 686 of the specifications.

4. The top of the sleeper slab and approach slab shall follow the cross slope and grade of roadway and finished according to section 706 of the specifications.

5. Selecting steel bars shall be epoxy coated and shall be in accordance with section 706 of the specifications.

6. All joint material shall be in accordance with section 706 of the specifications.

7. Length of the sleeper slab shall be the same as the length of the approach slab plus 6" end if using concrete closure pour for joints.

8. All work associated with the sleeper slab shall be bid incidental to item 502001-001 plus $6 each end if using concrete closure pours for joints.

9. Woven geotextile shall be constructed in accordance with standard specifications section 645 reinforced soil slopes and shall be paid under item 645001-001.

10. Impermeable membrane shall be 28 mil. Min. thickness and shall meet the requirements of standard specifications section 645-004. Membrane or flexible impervious cone shall be incidental to item 645001-001.

11. Concrete for the reinforced soil shall be in accordance with standard specifications section 645-004. The full length and width of the approach slab shall be paid under item 645001-001.

12. Woven geotextile shall be constructed in accordance with standard specifications section 645 reinforced soil slopes and shall be paid incidental to item 645001-001.

13. Excavation shall be incidental to item 645001-001.

DESIGNER NOTES:

1. The designer shall determine whether to use a sealed joint or a joint system. If a joint system is used, the designer shall specify the thickness of the elastomeric expanded polystyrene (EPS) material.

2. The designer shall specify the thickness of the elastomeric expanded polystyrene (EPS) material as it is required.

3. The designer shall provide an approach slab layout and reinforcing detail sheet together with quantity estimates for the various pay items and incidental items.

4. The joint width shall be specified for 68°F along with an adjustment factor for each 1°F.

5. A special provision shall be provided for the joint seal, joint armor, installation instructions and quality control measures which should be taken during construction of the joint system. The special provision shall specify any field splicing of the joint seal armor.

6. Whenever possible the designer should keep utilities, drop inlets, storm drains or other utilities out of bridge reinforced approach fill.

7. Adaptation of this system will require special considerations for curved bridge half-at-a-time bridge replacements and MSE retaining walls.

EXPANSION JOINT

STEEL CLOSURE DETAIL

OPENING WIDTH VARIES, SIZE AND TEMPERATURE TO BE SPECIFIED BY THE DESIGNER

EXPANSION JOINT END COVER PLATE

ADDITIONAL DETAILS NEEDED

GENERAL SLEEPER SLAB JOINT DETAILS

SHEET NUMBER 5000R4