GENERAL NOTES FOR CONCRETE PAVEMENT SUBDrainage

1. No trench greater than 2 in. depth shall allow in overnight. Trenches shall be backfilled at times.

2. Concrete pavement subdrainage shall be constructed adjacent to the low edge of the roadway pavement and under travel lanes, auxiliary pavement and shoulders, as called for in the plans. When the low edge shifts between outside and inside edges of pavement the concrete pavement subdrainage shall extend 300 beyond and begin 300 before the M.A. posts (100 overlap). Concrete pavement subdrainage shall be placed on the low side of ramps at crossroad terminals.

3. Concrete pavement subdrainage shall be constructed on a plane parallel with the edge of pavement, except on profiles at a grade lower than one-tenth percent (0.100 percent) the concrete pavement subdrainage shall be constructed on a grade of one-tenth percent (0.100 percent).

4. Immediately prior to placing the filter fabric the entire vertical surface of the concrete pavement shall be cleaned to ensure adhering base material and soil.

5. The Contractor shall devise a procedure for holding the filter fabric in position on the vertical surface of the trench. The procedure must be approved by the Engineer prior to placement of the draincrete.

6. The upper end of each separate run of the concrete pavement subdrainage pipe shall be capped.

7. Outlet pipes shall be connected at a maximum of 500' intervals. Easels or 1/2' bends shall be used to connect the outlet pipe to the concrete pavement subdrainage pipe. The elbows or bends shall be of the same material as the outlet pipe but compatible with the pipe.

When directed by the Engineer, outlet pipes shall be stubbed into existing inlets or into existing ditch pavements at an elevation 5' above the inlet baseline or ditch bottom. Concrete apron and bordering sod are not required for stubbed outlets, but replacement sodding will be required at trenches for pipes stubbed into paved ditches.

In sag vertical curves separate outlet pipes for concrete pavement subdrains from opposite directions shall use a single apron unless otherwise shown in the plans or otherwise directed by the Engineer. Backfill around outlet pipe shall be cohesive soils, draincrete will not be permitted.

8. Existing paved shoulder that is removed for the construction of outlet pipe shall be replaced with Type SP asphaltic concrete at the rate of 500 LBS per FT.

9. The contract unit price for Edgiedrain Outlet Pipe (4") I.F. shall be full compensation for removal of existing shoulder pavement, trench excavation, pipe and fitting, concrete apron, hardware cloth, sod, stubbing into existing inlets and paved ditches, restoration of ditch pavement, backfill in place, and disposal of excess materials.
At the Contractor's option this area may be constructed of optional base material or special stabilized subbase. To be paid for under contract unit price for special stabilized subbase.

Concrete Pavement (Depth Varies)

Asphalt Pavement - Optional Base

Sealed Longitudinal Joint

Overlap Filter Fabric 6" x 6" Special Stabilized Subbase

Special Select Soil

Draincrete

Filter Fabric Type D-3 (See Index No. 199)

4" Dia. Special Perforated Pipe (Noncorrugated or Smooth Lined Corrugated Only) (See Sheet 1)

20" Min.

12"  6"

6' Special Stabilized Subbase

6' Special Stabilized Subbase

NEW CONSTRUCTION

20" Min.

12"  6"

Lined Corrugated Only

Type SP Asphallic Concrete

Shoulder Joint Seal

Index No. 305

Laid Tack

Exist Shoulder Pavement

Exist Concrete Pavement

Top Of Filter Fabric

2" Below Bottom Of Pavement

For Cement Stabilized, Soil-Cement

And Econcrete Subbase

2" Above Bottom Of Pavement

For Other Subbases

Draincrete

Filter Fabric Type D-3 (See Index No. 199)

4" Dia. Special Perforated Pipe (Noncorrugated or Smooth Lined Corrugated Only) (See Sheet 1)

12"  6"

6' Special Stabilized Subbase

6' Special Stabilized Subbase

CONCRETE TRAVEL LANES, SHOULDERS, AND AUXILIARY PAVEMENT

NOTES FOR DRAINCRETE PAVEMENT SUBDRAINAGE

1. The edgework sections for DRAINCRETE SUBDRAINAGE are applicable to pavement construction identified on Index No. 503, Sheet 2 and 4.

2. The contractor shall define the construction of draincrete edgework to an area in which the entire operation can be carried out in 5 (5) work days, unless another construction period is called for in the plans, with sufficient time allowed for the draincrete to set before placement of pavement.

METHOD OF PAYMENT

NEW CONSTRUCTION:

1. The contract unit price for Edgework (Draincrete) for shoulder full compensation for trench excavation, disposal of excess materials, filter fabric, draincrete edgework pipe and fittings and draincrete.

Payment for outlet pipe shall be in accordance with General Note 9, Sheet 1 of 4.

FOR REHABILITATION:

1. The contract unit price for Edgework (Draincrete) is full compensation for removal of existing shoulder pavement, trench excavation, disposal of excess materials, filter fabric, draincrete edgework pipe and fittings, and draincrete, necessary for edgework construction.

Payment for outlet pipe shall be in accordance with General Note 9, Sheet 1 of 4.

Shoulder pavement shall be paid for under the contract unit price for Type SP, Asphallic Concrete.

Shoulder joint seal shall be paid for under the contract unit price for Pavement Joint, L.F.
NOTES FOR DRAINCRETE PAVEMENT SUBDrAINAGE

1. The edgdrain sections for DRAINCRETE SUBDrAINAGE are applicable to pavement construction identified as RIGID PAVEMENT on Index No. 505 Sheet 2 and 3.

2. The contractor shall confirm the construction of draincrete edgdrain in an area in which the entire lopperation can be carried out in five (5) work days, unless another construction period is called for in the plans, with sufficient time allowed for the draincrete to set before placement of pavement.

METHOD OF PAYMENT

NEW CONSTRUCTION:

1. The contract unit price for Edgdrain (Draincrete) LF shall be full compensation for trench excavation, disposal of excess material, filter fabric, draincrete edgdrain pipe and fittings and draincrete.

Payment for outlet pipe shall be in accordance with General Note 9, Sheet 1 of 4.

2. Type B-12.5 shall be paid for under the contract unit price for Optional/Base.

3. Shoulder pavement shall be paid for under the contract unit price for Type SP, Asphaltic Concrete.
GENERAL NOTES FOR TREATED PERMEABLE BASE EDGDrain

NEW CONSTRUCTION

1. The contractor shall confine the construction of edgDrain to an area in which the entire operation can be carried out in (3) work days, unless another construction period is called for the plans.

METHOD OF PAYMENT

NEW CONSTRUCTION

1. Payment shall be full compensation for trench excavation, disposal of excess materials, filter fabric, pipe and fittings, necessary for concrete pavement subDrainage construction. Payment shall be included in the cost for Asphalt Treated Permeable Base, C5 or Cement Treated Permeable Base, CY.

Payment for outlet pipe shall be in accordance with General Note 9, Sheet 1 of 4.

2. Shoulder pavement and separation layer shall be paid for under the contract unit price for Type SP, AspHatic Concrete.

CONCRETE TRAVEL LANE, SHOULDERS, AND AUXILIARY PAVEMENT

APhALT SHOULDERS

TREATED PERMEABLE BASE SUBDrAINAGE