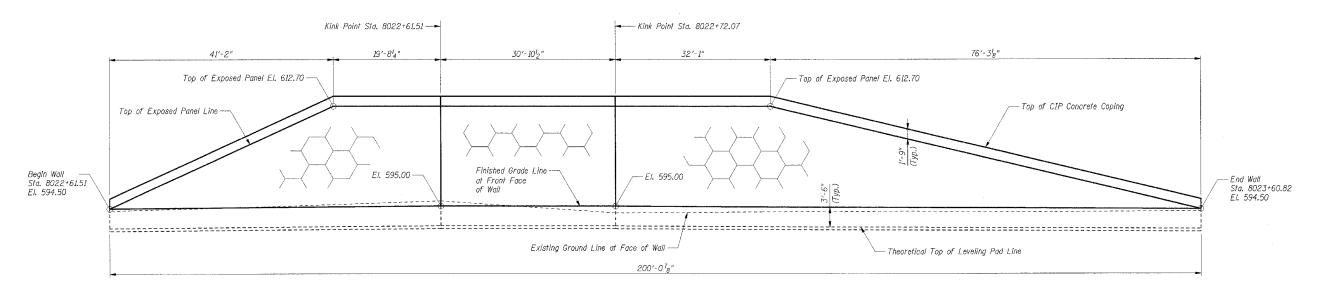


SOUTH M.S.E. WALL



NORTH M.S.E. WALL

FOR INFORMATION ONLY

Notes:
1. Work this sheet with Sht. S-22.
2. For plans of walls, see Sht. S-1.
3. Wall alignment offsets and stations are referenced to Front Face of wall. See Typical MSE wall Sections, Sht. S-22.
4. Unsuitable material shall be removed from within the limits

shown at a minimum and as directed by the Engineer; and backfilled with Porous Granular Embankment, Subgrade. Removal and Disposal of Unsuitable Material will be measured in its original position by taking cross-sections after removal has been completed and then computing volume in cubic yards by average end area method.

Porous Granular Embankment, Subgrade will be pald for at the same volume as Removal and Disposal of Unsuitable Material.

Removal and backfill beyond IV:2H exacavation slope will not be measured for payment. Pavement removal will be measured and paid for separately, and shall not be included for payment with Removal and Disposal of Unsuitable Material.

SHT. S-21 OF S-24 REVISIONS NAME

ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.P. ROUTE 338 (ILLINOIS ROUTE 59) IL ROUTE 59 OVER F.A.I, 55 (I-55) SECTION (26, 26HB-1 & 114) R-2 STRUCTURE NUMBER 099-4642 STATION 8021+17.13, WILL COUNTY

MSE WALL ELEVATIONS

DATE: 03/14/08

CHECKED BY: TMH

TENG

TENG & ASSOCIATES, INC. BNGUNER BEABCH (TECTS) FLANNERS 205 N MICHIGAN AVB. CHICAGO, EL 60601

COUNTY

TO STA.

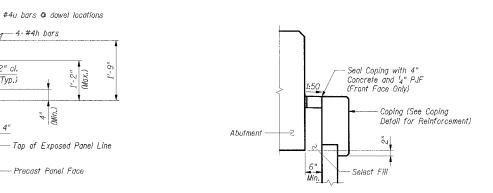
WILL

608 367

SECTION

FOR INFORMATION ONLY

SECTION COUNTY WILL 59 TO STA. FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT



COPING DETAIL

-4-#4h bars

(Typ.)

Finished Ground Surface -

Type "B" gutter (See roadway plans,

> 1-#4h bar parallel to top of panel

> > #4 dowels embedded

in panel at 2'-0" cts.

The cost of concrete and reinforcement for coping shall be included with Mechanically Stabilized Earth Retaining Wall.

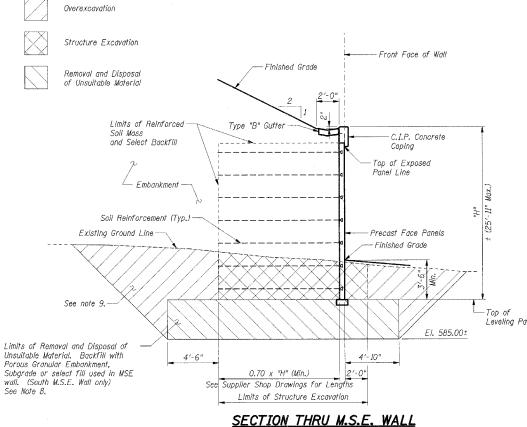
The cost of 4" concrete seal and 4" PJF shall be included with Mechanically Stabilized Earth Retaining Wall.

ABUTMENT DETAIL

ApproacEmBankment --- Front Face of Wall Abutment Soil Reinforcement -See Note 3 -Limits of Reinforced Soil Mass Min. and Select Backfill - Fmbankment (See roadway plans) C.I.P. Concrete Coping -Top of Exposed Panel Line Soil Reinforcement (Typ.) A Load Transfer System will—be necessary around the shafts. Existing Ground Line--Precast Face Panels -Finished Grade -Top of El. 585,00± Limits of Removal and Disposal of Unsuitable Material, Backfill with Porous Granular Embankment, Subgrade or select fill used in MSE wall. (South M.S.E. Wall only) 0.70 x "H" (Min., See Note 8. See Supplier Shop Drawings for Lengths See Note 8. Limits of Structure Excavation

SECTION THRU ABUTMENT

LEGEND



Notes:
1. Work this sheet with Sht. S-21.

2. For plans of walls, see Sht. S-1.

- MSE Wall supplier shall design and supply system to transfer earth pressure of 40 pcf equivalent fluid weight to the back of abument and backwall, plus a longitudinal force of 15.5 k transmitted by the bearings applied to the bridge seats. 4. Finish grade indicated is finished grade line at front face
- of the wall.

 5. Drilled Shafts shall be constructed prior to placement of reinforced select backfill.

 6. MSE Wall supplier to design load transfer system to
- accommodate drilled shaffs.
 7. Wall alignment stations and offsets are referenced to front face of wall. See typical section this sheet.
 8. Unsuitable material shall be removed from within the limits
- shown at a minimum and as directed by the Engineer; and backfilled with Porous Granular Embankment, Subgrade. Removal and Disposal of Unsuitable Material will be measured in its original position by taking cross-sections after removal has been completed and then computing volume in cubic yards by average end area method. Porous Granular Embankment, Subgrade will be paid for at the same volume as Removal and Disposal of Unsuitable Material, Pavement removal will be measured and paid for separately, and shall not be included for payment with Removal and Disposal of Unsuitable Material,
- Overexcavation beyond structure excavation and removal of unsuitable material. This area not measured for payment. Backfill overexcavation with same material used for Porous Granular Embankment, Subgrade or select fill used in MSE wall.

BILL OF MATERIAL

Item	Unit	Total
Removal and Disposal of Unsuitable Material	Cu Yd	898
Porous Granular Embankment, Subgrade	Cu Yd	898
Structure Excavation	Cu Yd	1,104
Mechanically Stabilized Earth Retaining Wall	Sq Ft	6,676

SHT. S-22 OF S-24

REVISIONS NAME

ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.P. ROUTE 338 (ILLINOIS ROUTE 59)
IL ROUTE 59 OVER F.A.I. 55 (I-55) SECTION (26, 26HB-1 & 114) R-2 STRUCTURE NUMBER 099-4642

MSE WALL DETAILS AND BILL OF MATERIAL

DATE: 03/14/08

DRAWN BY: CCE CHECKED BY: TMH

TENG

TENG & ASSOCIATES, INC. ENGINEESSARCHITECTSPLANNERS 2015 N. MICHICAN AVE. CHICAGO, IL 60801