

4'-0"

[►] PCĆ

— Tie Bars

T/Leveling Pad-

7'-10"

SECTION Thru WALL

Approach Pavement

MSF Wall

Select Backfill

Back of Abut.

Slopewall/Ground

5 /-Drive piles. Install liners around

piles and backfill pile liners with sand before constructing MSE wall.

—Existing

--- Concrete Piles

SECTION AT ABUTMENT

(Dimensions @ Rt. L's)

Embankment

-Soil Reinforcement

limits of

Reinforced

Soil Mass

-Aggregate Column

#8 at 2'-0"

Concrete

Parapet

b" P.J.F. on Top and

Breaker on Front Side.

PCC - A

Embkmt.

Limits of

Reinforced

Soil Mass -

(Incidental to MSE Wall)

Ground-

Exist.—

Front Face — MSE Wall

Backside of Panel. Bond

21-2"

Soil Reinforcement -

0.7 x H

Bridge Omission

1'-8" 1'-9" 1'-0" 2'-0"

4'-9"

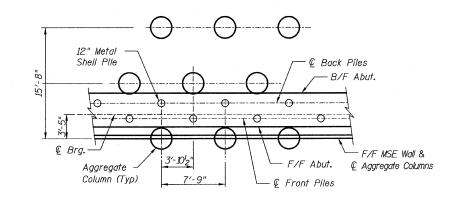
Brg.→

Select

Backfill

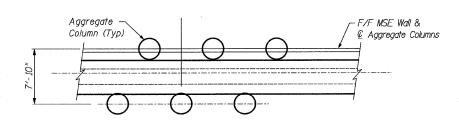
EQUIVALENT UNIFORM SERVICE BEARING PRESSURE

(At Top of Ground Improvement)



TYPICAL AGGREGATE COLUMN GROUND IMPROVEMENT/PILE LAYOUT (SHOWN AT ABUTMENT)

Contractor shall alternate aggregate column and pile spacing as shown.



TYPICAL AGGREGATE COLUMN GROUND IMPROVEMENT LAYOUT
(SHOWN AT RAMP WALL)

INDEX OF SHEETS R-01 General Plan I R-02 General Plan II R-03 Index of Sheets, General Notes, BOM, Wall Sections & Aggregate Column Ground Improvement Layout R-04 Parapet Elevations & Shoulder Plans Ramp B Parapet Elevations & Shoulder Plans R-05 Ramp B Parapet Elevation & Shoulder Plan R-06 Ramp B Parapet Elevations & Shoulder Plans R-07

SECTION

STA.

COUNTY

TO STA.

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

MADISON 420 303

CONTRACT NO. 76709

R-08 Parapet Elevations & Shoulder Plans
Ramp C
R-09 Parapet & Anchorage Slab Details Ramp B & C

R-10 Boring Logs R-11 Boring Logs R-12 Boring Logs

R-13 Boring Logs

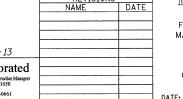
Ramp C

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Concrete Structures	CU YD	549
Protective Coat	SQ YD	876
Reinforcement Bars, Epoxy Coated	POUND	58,730
Name Plates	EACH	1
Mechanically Stabilized Earth Retaining Wall	SQ FT	16,000
Aggregate Column Ground Improvement	CU YD	4,045

GENERAL NOTES:

- 1. Reinforcement bars designated (E) shall be Epoxy Coated.
- 2. All edges shall have a $\frac{3}{4}$ " chamfer unless otherwise noted.
- Sawed construction joints, and construction joints in shoulders, and grooved joints and expansion joints in parapets, shall be collnear with sawed construction joints in PCC pavement (jointed).
- Reinforcement bars shall conform to the requirements of ASTM A 706 Grade 60
- 5. All construction joints shall be bonded.



ILLINOIS DEPARTMENT OF TRANSPORTATION
IL ROUTE 162 OVER I-55/70 IN TROY
F.A.I ROUTE 70 SECTION 60-10K-1, 60-10HB
MADISON COUNTY STA. 17+40 TO STA. 22+50
STRUCTURE NO. 060-W006

IINDEX OF SHEETS, GENERAL NOTES, BOM WALL SECTIONS & AGGREGATE COLUMN GROUND IMPROVEMENT LAYOUT RAMP B & C DRAWN BY KM

DATE: 05/2006 CHECKED BY BJG

Sht. R-03 of R-13

STV Incorporated
Engineer/Architect/Planner/Construction Managers
On Monroe Shreet, Suite 1650
Chicago, It. 66606-5015
312553-0655, Rod. 312553-0661