

GENERAL NOTES:

1. Reinforcement bars designated (E) shall be epoxy coated.
2. Slip forming of the barrier rails is not allowed.
3. The Contractor shall exercise extreme caution during construction to make certain that construction activities, live load surcharge and other loads applied to the structures will not have detrimental effects on the adjacent building and retaining wall foundations. See Special Provision for Construction Vibration Monitoring.
4. Protective Coat shall be applied to the designated areas of Anchor Slabs, Barrier Rails, and MSE Coping.
5. Stations and Offsets are measured from the Baseline of Ramp NW to the Front Face of MSE wall panels.
6. MSE Supplier to design load transfer systems within reinforced soil mass to accommodate drainage structures and abutment foundations.
7. MSE Wall lengths measured along front face of precast panels unless noted otherwise.
8. Contractor shall field verify location of existing footings and underground utilities and shall take all precautions to protect them during ground improvement, construction of the wall, and final condition of the ramp. Any damages to the existing structures shall be the responsibility of the Contractor.
9. Quantity for Lightweight Cellular Concrete Fill includes reinforced soil mass and fill area beneath roadway. Type is specified as Class II Lightweight Fill.
10. See Special Provision for Mechanically Stabilized Earth Retaining Wall, Special for design and construction requirements.
11. Anchor Slabs and Barrier Rails shall be paid for as Concrete Superstructure.
12. For drainage structure location, type, and size, see Drainage Sheets.
13. Repairs to existing Retaining Wall 2 (SN 016-Z024) shall be completed prior to installation of MSE fill ramp.

TOTAL BILL OF MATERIAL:

DESCRIPTION	UNIT	TOTAL
CONCRETE REMOVAL	CU. YD.	53
STRUCTURE EXCAVATION	CU. YD.	1,108
CONCRETE SUPERSTRUCTURE	CU. YD.	402
BRIDGE DECK GROOVING (SPECIAL)	SQ. YD.	44
PROTECTIVE COAT	SQ. YD.	960
REINFORCEMENT BARS, EPOXY COATED	POUND	60,520
SLOPE WALL 4"	SQ. YD.	39
NAME PLATES	EACH	1
LIGHTWEIGHT CELLULAR CONCRETE FILL (CLASS II)	CU. YD.	9,460
AGGREGATE COLUMN GROUND IMPROVEMENT	L. SUM	0.58
MECHANICALLY STABILIZED EARTH RETAINING WALL, SPECIAL	SQ. FT.	8,279

INDEX OF SHEETS:

- RW1-01 General Plan and Elevation
- RW1-02 North and East Elevations
- RW1-03 Total Bill of Material, Index of Sheets and General Notes
- RW1-04 Existing Structural Removal
- RW1-05 Typical Sections
- RW1-06 West Barrier Rail and Anchor Slab
- RW1-07 East Barrier Rail and Anchor Slab
- RW1-08 MSE Wrap Around Details
- RW1-09 Details
- RW1-10 Architectural Details - I
- RW1-11 Architectural Details - II
- RW1-12 Aggregate Column Ground Improvement Details
- RW1-13 Boring Logs - I
- RW1-14 Boring Logs - II
- RW1-15 Boring Logs - III
- RW1-16 Boring Logs - IV
- RW1-17 Boring Logs - V

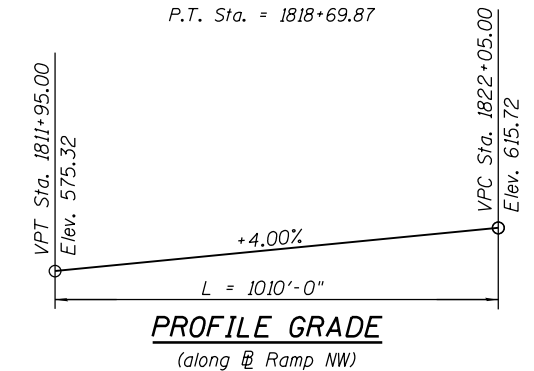
SUGGESTED SEQUENCE OF CONSTRUCTION:

1. Modify existing Retaining Wall 2 (SN 016-Z024) foundation as directed.
2. Install piles for South Abutment of NW Flyover (SN 016-1705).
3. Repair front face of existing Retaining Wall 2 (SN 016-Z024) as required on plans.
4. Excavate for construction of proposed Retaining Wall 1 (SN 016-1720).
5. Remove portions of existing Taylor St. Exit Ramp wall as directed.
6. Install Aggregate Column Ground Improvement.
7. Begin installing and filling West and North Elevations of Retaining Wall 1 (SN 016-1720) up to elevation of leveling pad of East Elevation. Backfill and replace roadway of Taylor St. Exit Ramp.
8. Complete South Abutment of NW Flyover (SN 016-1705).
9. Complete West Elevation and install East Elevation of Retaining Wall 1 (SN 016-1720) simultaneously. Fill between wall faces.
10. Install Anchor Slabs and Barrier Rails on West and East faces.
11. Complete roadway on NW Flyover Ramp (SN 016-1705).

CURVE DATA

(Ramp NW)

Prop. Curve P-CIR-NW-4
 P.I. Sta. 1817+80.05
 $\Delta = 2^{\circ}30'39''$ (Rt.)
 $D = 1^{\circ}23'51''$
 $R = 4,100.00'$
 $T = 89.85'$
 $L = 179.68'$
 $E = 0.98'$
 $e = -2.00\%$
 P.C. Sta. = 1816+90.20
 P.T. Sta. = 1818+69.87



STATION 1813+60.00
 BUILT BY
 STATE OF ILLINOIS
 F.A.I. RTE. 90/94/290-SEC. 2013-010R
 LOADING HL-93
 STRUCTURE NO. 016-1720

NAME PLATE
 See Std. 515001

0161720-60W28-503-CenNote



USER NAME = dunkerleyb	DESIGNED - DEV	REVISED
	CHECKED - ATB	REVISED
PLOT SCALE = N.T.S.	DRAWN - BRD	REVISED
PLOT DATE = 4/28/2014	CHECKED - EJO	REVISED

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TOTAL BILL OF MATERIAL, INDEX OF SHEETS & GENERAL NOTES
 STRUCTURE NO. 016-1720

SHEET NO. RW1-03 OF RW1-17 SHEETS

F.A.I. RTE. 90/94/290	SECTION 2013-010R	COUNTY COOK	TOTAL SHEETS 747	SHEET NO. 521
CONTRACT NO. 60W28			ILLINOIS FED. AID PROJECT NUMBER-	