

**GENERAL NOTES:**

1. Reinforcement bars designated (E) shall be epoxy coated.
2. Slip forming of the barrier rails is not allowed.
3. Protective Coat shall be applied to the designated areas of Anchor Slabs, Barrier Rails, and MSE Coping.
4. Stations and Offsets are measured from the Baseline of Ramp NW to the Front Face of MSE wall panels.
5. MSE Supplier to design load transfer systems within reinforced soil mass to accommodate drainage structures and abutment foundations.
6. MSE Wall lengths measured along front face of precast panels unless noted otherwise.
7. See special provision for Mechanically Stabilized Earth Retaining Wall, Special for design and construction requirements.
8. Proposed Siphon reconstruction to occur prior to Ramp NW construction by others in Contract 60W29.
9. Anchor Slab and Barrier Rail concrete shall be paid for as Concrete Superstructure.
10. For Drainage Structure location, type, and size, see Drainage sheets.
11. Quantity for Lightweight Cellular Concrete Fill includes reinforced soil mass for Retaining Wall 3 and fill area beneath roadway and beneath reinforced soil mass for Retaining Wall 4 (SN 016-1723). See Retaining Wall 4 plans for Lightweight Fill quantity for Retaining Wall 4 reinforced soil mass. Type is specified as Class II Lightweight Fill.
12. 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 buildings and utilities. See Special Provision for Construction Vibration Monitoring.

**TOTAL BILL OF MATERIAL:**

DESCRIPTION	UNIT	TOTAL
STRUCTURE EXCAVATION	CU. YD.	870
CONCRETE SUPERSTRUCTURE	CU. YD.	245
BRIDGE DECK GROOVING (SPECIAL)	SQ. YD.	29
PROTECTIVE COAT	SQ. YD.	590
REINFORCEMENT BARS, EPOXY COATED	POUND	35,800
SLOPE WALL 4"	SQ. YD.	9
NAME PLATES	EACH	1
LIGHTWEIGHT CELLULAR CONCRETE FILL	CU. YD.	5,902
AGGREGATE COLUMN GROUND IMPROVEMENT	L. SUM	0.32
MECHANICALLY STABILIZED EARTH RETAINING WALL, SPECIAL	SQ. FT.	6,512

**INDEX OF SHEETS:**

- RW3-01 General Plan and Elevation
- RW3-02 Total Bill of Material, Index of Sheets & General Notes
- RW3-03 Typical Sections
- RW3-04 Barrier Rail and Anchor Slab
- RW3-05 MSE Wrap Around Details
- RW3-06 Details
- RW3-07 Architectural Details
- RW3-08 Aggregate Column Ground Improvement Details
- RW3-09 Boring Logs - I
- RW3-10 Boring Logs - II
- RW3-11 Boring Logs - III
- RW3-12 Boring Logs - IV

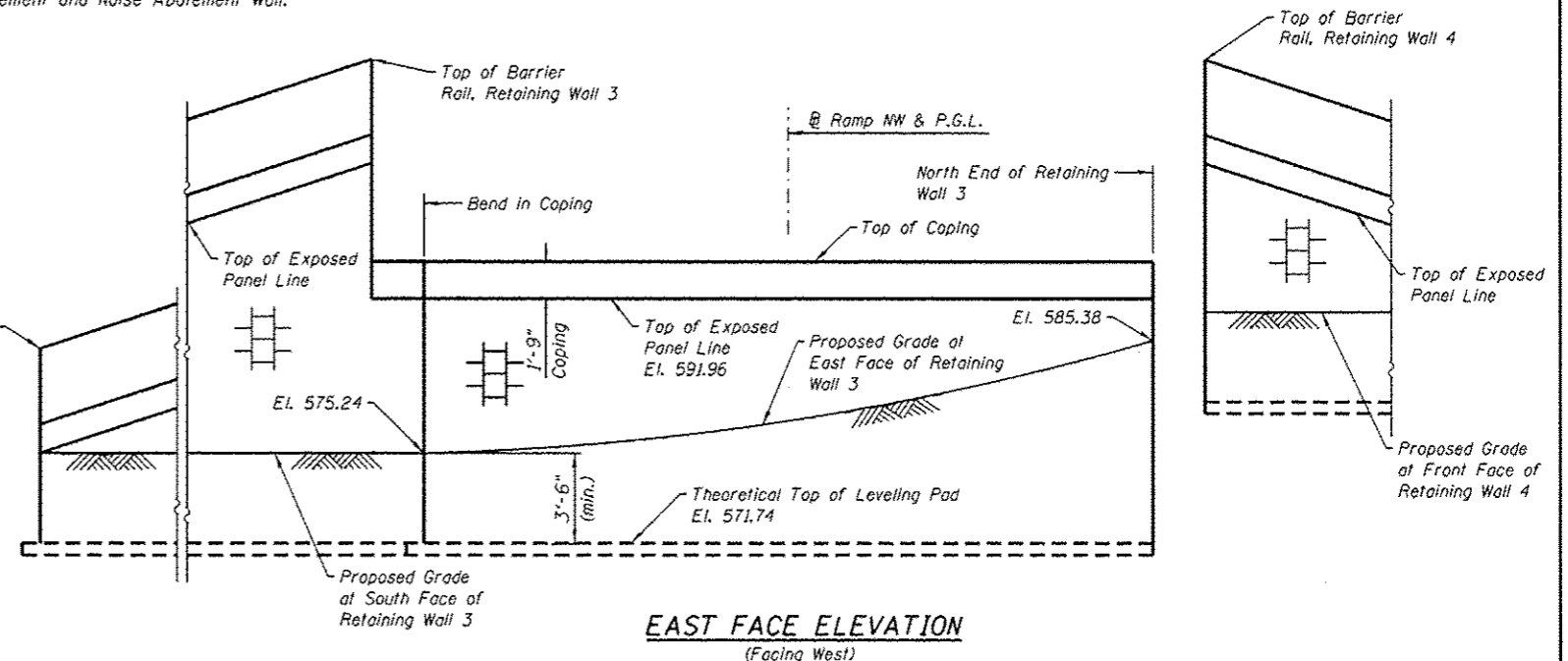
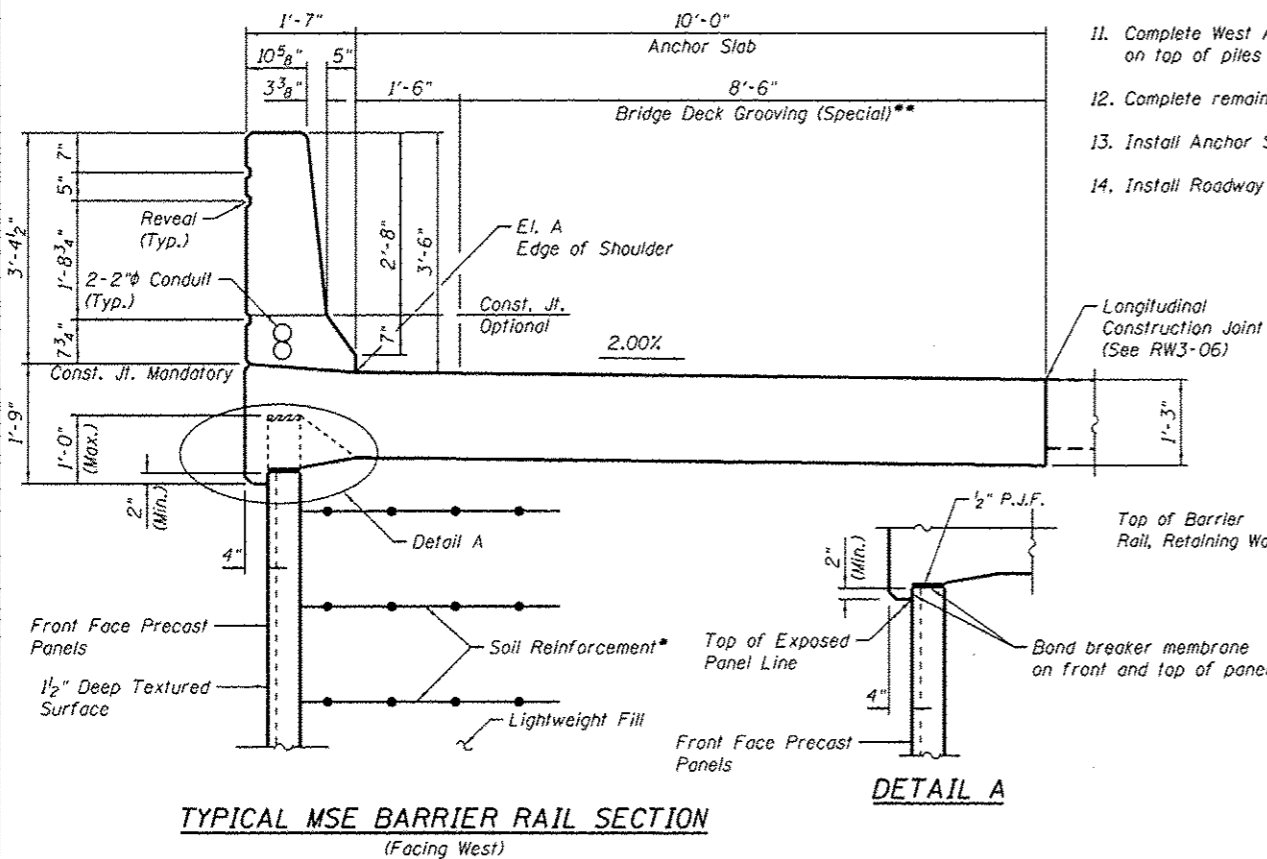
**SUGGESTED SEQUENCE OF CONSTRUCTION:**

1. Locate existing utilities that are to remain. Contractor to coordinate any required improvements to or removals of existing utilities with utility owner(s). See Utility Location Plans and ITS Plans.
2. Locate and remove any abandoned CTA foundations that are in conflict with Retaining Walls 3, 4, 40, or Noise Abatement Wall.
3. Install drilled soldier piles for Retaining Wall 4 soldier pile wall.
4. Install drilled shafts for SN 016-1705 West Abutment.
5. Install foundations for Noise Abatement Wall.
6. Excavate for Retaining Walls 3, 4, and 40. Install temporary lagging between soldier piles of Retaining Wall 4 from top down as excavation proceeds if needed to retain existing soil.
7. Install Aggregate Column Ground Improvement for Retaining Walls 3, 4, and 40.
8. Construct Retaining Wall 40, placing MSE straps to avoid Noise Abatement Wall foundations.
9. Begin placing lightweight fill and installing Retaining Wall 3 up to height of Retaining Wall 4 MSE leveling pad. Install Drainage System.
10. Install Concrete Facing on soldier piles of Retaining Wall 4. Backfill north side of wall.
11. Complete West Abutment of SN 016-1705. Install Retaining Wall 4 soldier pile cap and barrier on top of piles and concrete facing.
12. Complete remainder of Retaining Wall 3 while installing MSE portion of Retaining Wall 4.
13. Install Anchor Slabs and Barrier Rails for Retaining Walls 3 and 4.
14. Install Roadway pavement and Noise Abatement Wall.

STATION 1838+23.17  
 BUILT BY  
 STATE OF ILLINOIS  
 F.A.I. RTE. 90/94/290-SEC. 2013-010R  
 LOADING HL-93  
 STRUCTURE NO. 016-1722

**NAME PLATE**  
 See Std. 515001

- \* The M.S.E. wall supplier's internal stability design shall account for the anchor slab's bearing pressure surcharge of 1.0 ksf and horizontal sliding force of 0.83 kips/ft of wall.
- \*\* Bridge Deck Grooving (Special) extends from start of Anchor Slab at Sta. 1838+23.17 to end of approach slab at Sta. 1838+53.17. For quantity of Bridge Deck Grooving (Special) on approach slab and North Anchor Slab, see structural plans for NW Flyover (SN 016-1705) and Retaining Wall 4 (SN 016-1723), respectively.



0161722-60W28-S02-GenNote



USER NAME = dabezicd	DESIGNED - DEV	REVISION 6/24/2014 DD
PLLOT SCALE = N.T.S.	CHECKED - ATB	REVISION
PLLOT DATE = 4/28/2014	DRAWN - BRD	REVISION
	CHECKED - EJO	REVISION

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

TOTAL BILL OF MATERIAL, INDEX OF SHEETS & GENERAL NOTES  
 STRUCTURE NO. 016-1722

SHEET NO. RW3-02 OF RW3-12 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
90/94/290	2013-010R	COOK	747	546
CONTRACT NO. 60W28				
[ILLINOIS] FED. AID PROJECT NUMBER-				