#### STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

### GENERAL NOTES

Fasteners shall be high strength bolts. Bolts  ${}^7_B$ " $\phi$ , open holes  ${}^{15}_{16}$ " $\phi$ , unless otherwise noted.

Calculated weight of M270 Gr. 36 (ASTM A709 Gr. 36) Structural Steel = 168,160 Pounds.

Calculated weight of M270 Gr. 50 (ASTM A709 Gr. 50) Structural Steel = 435,300 Pounds.

Field welding of construction accessories will not be permitted to beams or girders.

Anchor bolts shall be set before bolting diaphragms over supports.

The main load carrying member components subject to tensile stress shall conform to the Supplemental Requirements for Notch Toughness Zone 2. These components are the wide flange beams.

Reinforcement bars shall conform to the requirements of AASHTO M-31, M-322 Grade 60.

All Construction joints shall be bonded.

The back face of closed abutments and their wingwalls shall be waterproofed according to Article 503.18 of the Standard Specifications.

Bridge Seat Sealer shall be applied to the seat area of the abutments and pier.

Reinforcement bars designated (E) shall be epoxy coated.

The organic zinc rich primer/epoxy/urethane paint system shall be used for painting of new structural steel except where otherwise noted. The entire system shall be shop applied, with exception that masked off connection surfaces, field installed fasteners and damaged areas shall be touched up in the field. The color of the final finish coat for all interior steel surfaces shall be gray, Munsell No. 5B 7/1. The color of the final finish coat for the exterior and bottom flange of the fascia beams shall be reddish brown, Munsell No. 2.5YR 3/4. See Special Provision for "Cleaning and Painting New Metal Structures".

Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

The Contractor shall provide all calculations required for Braced Excavation. See Special Provision for Braced Excavation.

See Typical Sections sheet of roadway plans for Commonwealth Edison duct bank facility under north sidewalk immediately adjacent to location of proposed north abutment and sidewalk retaining wall.

SHEET NO.

Porous Granular E

**GENERA** Date 3/27/06 Designed T Revisions Drawn B Checked D Approved KV Prepared By: URS

R	DUTE NO.	SECTION	COUNTY COOK		TOTAL SHEETS	SHEET NO.		
F	.A.P. 351	3277R			66	20		
FE	D. ROAL	D1S1. NO. 7	ILLINOIS	FED.	AID PROJE	ст-		
C	Contract No. 62206							

## INDEX OF SHEETS

#### DESCRIPTION

GENERAL PLAN AND ELEVATION GENERAL NOTES & TOTAL BILL OF MATERIAL STAGE CONSTRUCTION SEQUENCE BRACED EXCAVATION DETAILS SUBSTRUCTURE LAYOUT SUPERSTRUCTURE SUPERSTRUCTURE DETAILS JOINT DETAILS HANDRAIL DETAILS FRAMING PLAN BEAM DETAILS BEARING DETAILS CONCRETE REMOVAL DETAILS CONCRETE DECK REMOVAL DETAILS NORTH ABUTMENT DETAILS SOUTH ABUTMENT DETAILS PIER DETAILS BAR SPLICER DETAILS DRAINAGE & BACKFILL DETAILS SOIL BORINGS

# TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
mbankment, Special	Cu. Yd.		814	814
	Cu. Yd.		182.0	182.0
moval	Sq. Ft.		468	468
íon	Cu. Yd.		490	490
9 <i>5</i>	Cu. Yd.		820.9	820.9
ucture	Cu. Yd.	170.1		170.1
ecting Structural Steel	L Sum	1		1
<i>'S</i>	Pound		18,850	18,850
rs, Epoxy Coafed	Pound	24,660	160,010	184,670
ecial	Foot	208		208
	Each		1	1
oofing (Special)	Sq. Ft.	5773		5773
r	Sq. Ft.		634	634
For Structures 6"	Foot	· · · · · · · · · · · · · · · · · · ·	170	170
) Disposal	Cu. Yd.		179	179
Drain	Sq. Yd.		222	222
)	Cu. Yd.		678	678
	E.ach	198	128	326
oil 36"	Foot		241.5	241.5
oil 48"	Foot		89.5	89.5
oil 54"	Foot		390.0	390.0
ock 30"	Foot		42.0	42.0
ock 42"	Foot		18.0	18.0
ock 48"	Foot		72.0	72.0
Sheet Piling	Sq. Ft.		2280	2280
Retainer (Installed)	Foot	66		66
Retainer (Installed and Removed)	Foot	104		104
	Each	11		11
	Each	2		2
in Structure, 3" Dia., Galvanized Steel	Foot	104		104
Galvanized Steel	Foot	104		104

٩L	NOTES	&	TOTAL	BILL	0F	MATE	RIAL
"DN	0		' RAILROAD U.S. 6 (159)				Sheet No.
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KWB			UCTURE NO.		54		of <b>30</b>
	40 N. University catur, IL.	Ave.,	Suite 1				URS Job No. 36430825