

Contract No. 62098

GENERAL NOTES

- Fasteners shall be high strength bolts. Bolts $7/8$ " dia., Open Holes $15/16$ " dia., unless otherwise noted.
- Calculated weight of M270 Grade 50 Structural Steel = 181,013 lbs.
Calculated weight of M270 Grade 36 Structural Steel = 24,197 lbs.
- Field welding of construction accessories will not be permitted to beams or girders.
- Anchor bolts shall be set before bolting diaphragms over supports.
- The structural steel bearing plates of the Elastomeric Bearing Assembly shall conform to the requirements of AASHTO M270 Grade 50.
- 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 and all splice plate material except fill plates.
- Reinforcement bars shall conform to the requirements of AASHTO M31 or M322 Grade 60.
- Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.
- Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of $1/8$ inch. Adjustment shall be made either by grinding the surface or by shimming the bearing. Two $1/8$ " adjusting shims, of the dimensions of the bottom bearing plate, shall be provided for each bearing in addition to all other plates or shims. For Type 1 Elastomeric Bearings, two $1/8$ " adjusting shims shall be provided for each bearing and placed as detailed.
- The Contractor shall drive 2 (two) steel H-piles in a permanent location, one at each abutment and as directed by the Engineer, before ordering the remainder of piles.
- All construction joints shall be bonded.
- The Inorganic zinc rich primer / Acrylic / Acrylic Paint System shall be used for shop and field painting of new structural steel except where otherwise noted. 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 2.5 YR 3 / 4 Reddish Brown. See special provision for "Cleaning and Painting New Metal Structures".
- The information shown in these plans concerning the type and location of utilities is not guaranteed to be accurate or all-inclusive. The Contractor is responsible for making his own determination as to the existence of type, size and location of all underground and overhead utilities as may be necessary to avoid conflict with construction operations and/or damage to the utility.

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUB	SUPER	TOTAL
POROUS GRANULAR EMBANKMENT	CU. YD.	230	-	230
STONE RIPRAP, CLASS A4	SQ. YD.	1091	-	1091
FILTER FABRIC FOR USE WITH RIPRAP	SQ. YD.	1077	-	1077
REMOVAL OF EXISTING STRUCTURES	EACH	-	1	1
STRUCTURE EXCAVATION	CU. YD.	99	-	99
FLOOR DRAINS	EACH	-	18	18
CONCRETE STRUCTURES	CU. YD.	213.0	-	213.0
CONCRETE SUPERSTRUCTURE	CU. YD.	-	443.0	443.0
BRIDGE DECK GROOVING	SQ. YD.	-	1115	1115
PROTECTIVE COAT	SQ. YD.	-	1464	1464
ELASTOMERIC BEARING ASSEMBLY, TYPE 1	EACH	-	30	30
FURNISHING AND ERECTING STRUCTURAL STEEL	L. SUM	-	1	1
STUD SHEAR CONNECTORS	EACH	-	5985	5985
REINFORCEMENT BARS	LBS.	14,790	-	14,790
REINFORCEMENT BARS, EPOXY COATED	LBS.	22,194	84,528	106,722
ALUMINUM RAILING, TYPE L	FOOT	-	294	294
FURNISHING STEEL PILES HP12x53	FOOT	345	-	345
DRIVING STEEL PILES	FOOT	345	-	345
TEST PILE STEEL HP12x53	EACH	2	-	2
METAL SHOES	EACH	20	-	20
TEMPORARY SOIL RETENTION SYSTEM	SQ. FT.	169	-	169
NAME PLATES	EACH	-	1	1
BAR SPLICERS	EACH	392	1067	1459
DRILLED SHAFT IN SOIL 36"	FOOT	182	-	182
DRILLED SHAFT IN ROCK 30"	FOOT	192	-	192
UNDERWATER STRUCTURE EXCAVATION PROTECTION - LOCATION 1	EACH	1	-	1
UNDERWATER STRUCTURE EXCAVATION PROTECTION - LOCATION 2	EACH	1	-	1

BRIDGE SHEETS

- S-1 GENERAL PLAN AND ELEVATION
- S-2 GENERAL NOTES, INDEX OF SHEETS AND BILL OF MATERIAL
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- S-4 TEMPORARY CONCRETE BARRIER
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- S-7 DECK ELEVATIONS TABLES (1 OF 2)
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- S-9 DECK PLAN
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- S-13 PARAPET ELEVATION AND SUPERSTRUCTURE DETAILS
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- S-19 EAST ABUTMENT PLAN AND ELEVATION
- S-20 PIER 1 PLAN AND ELEVATION
- S-21 PIER 2 PLAN AND ELEVATION
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- S-23 ANCHOR BOLT DETAILS FOR BEARINGS
- S-24 BAR SPLICER ASSEMBLY DETAILS
- S-25 CANTILEVER FORMING BRACKET DETAIL
- S-26 BORING LOGS (1 OF 5)
- S-27 BORING LOGS (2 OF 5)
- S-28 BORING LOGS (3 OF 5)
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- S-30 BORING LOGS (5 OF 5)

DESIGNED	MJM
CHECKED	WHE
DRAWN	EAB
CHECKED	WHE

LOWCO, INC.
CONSULTING ENGINEERS 630 NORTH WASHINGTON ST., SUITE 205
NAPEVILLE, ILLINOIS 60563 (630) 577-9100

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**GENERAL NOTES, INDEX OF SHEETS
BILL OF MATERIAL**
US ROUTE 30 (LINCOLN HIGHWAY)
OVER LILY CACHE CREEK
WILL COUNTY
F.A.P. ROUTE 0575 SEC. 14BR
STATION 28+22.14 NEW STRUCTURE NO. 099-4648
DATE 03/24/05