

**GENERAL NOTES**

1. Fasteners shall be AASHTO M164 Type 1, mechanically galvanized bolts. Bolts 7/8", holes 15/16", unless otherwise noted.
2. Calculated weight of Structural Steel = 44,030 lbs. AASHTO M270 Grade 50  
4,400 lbs. AASHTO M270 Grade 36
3. No field welding is permitted except as specified in the contract documents.
4. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.
5. Prior to pouring the new concrete deck, all heavy or loose rust, loose mill scale, and other loose or potentially detrimental foreign material shall be removed from the surfaces in contact with concrete. Tightly adhered paint may remain unless otherwise noted. Removal shall be accomplished by methods that will not damage the steel and the cost will be included in the pay item covering removal of the existing concrete.  
  
As directed by the Engineer, existing construction accessories welded to the top flange of beams and girders shall be removed. The weld areas shall be ground flush and inspected for cracks using magnetic particle testing (MT) or dye penetrant testing (PT) by qualified personnel approved by the Engineer. Any cracks that can not be removed by grinding 1/4" deep shall be identified and reported to the Bureau of Bridges and Structures for further disposition. The cost of removing welded accessories, grinding and inspecting weld areas and grinding cracks will be paid for according to Article 109.04 of the Standard Specifications.
6. Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction 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 scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
7. Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8 in. (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.
8. The existing structural steel coating contains lead. The Contractor shall take appropriate precautions to deal with the presence of lead on this project.
9. The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.
10. All new structural steel shall be shop painted with an inorganic zinc-rich primer per AASHTO M300, Type 1.
11. Slipforming of the parapets is not allowed.
12. Current Ratings on File for Existing Structure (SN 045-0003):  
Inventory: HS 20.1  
Operating: HS 33.4  
Live Load Restrictions: No

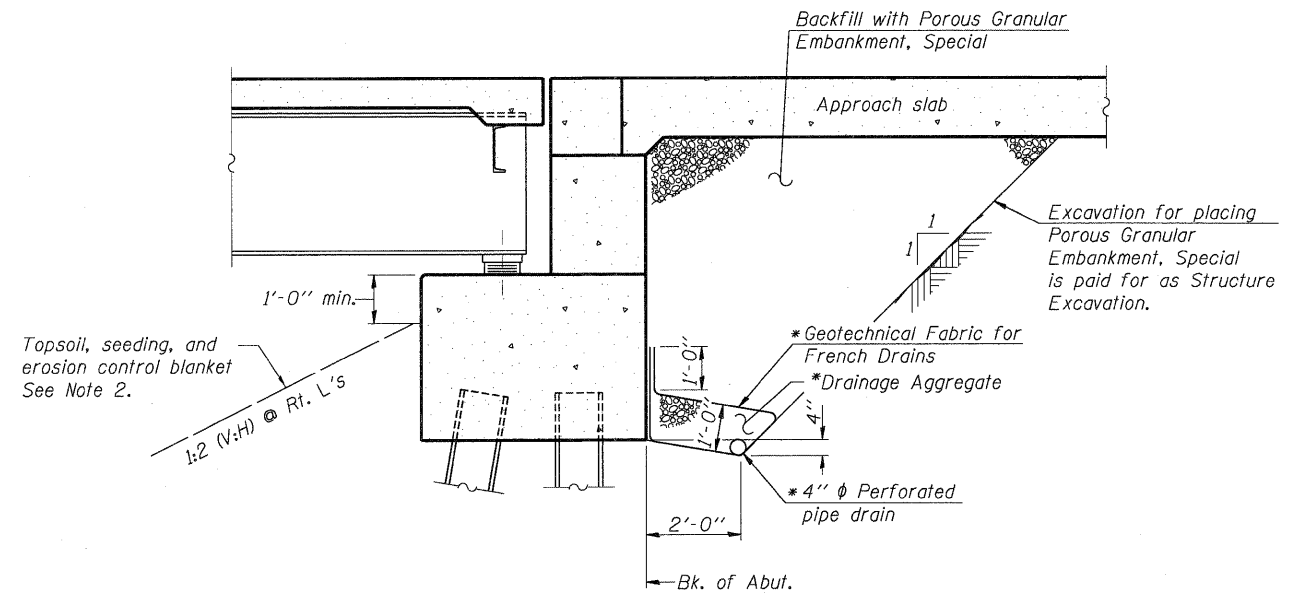
Inventory Ratings and Live Load Restrictions are provided for information only. Inventory and Operating Ratings are based on HS loading and configuration. Live Load Restrictions are based on Illinois legal loads and configurations. The Ratings and Live Load Restrictions are not necessarily representative of capacities to support the Contractor's equipment.

**INDEX OF SHEETS**

- S-1 General Plan and Elevation
- S-2 General Notes, Index of Sheets, and Total Bill of Material
- S-3 Construction Staging
- S-4 Removal Details
- S-5 Temporary Concrete Barrier, For Stage Construction
- S-6 Substructure Layout
- S-7 Steel H-Pile Details
- S-8 Top of Slab Elevation Plan
- S-9 Top of Slab Elevations
- S-10 Top of Approach Slab Elevations
- S-11 Deck Plan and Cross Section
- S-12 Deck Details and Bar List
- S-13 Approach Pavements
- S-14 Expansion Joint Details
- S-15 Framing Plan
- S-16 Girder Elevation and Details
- S-17 Steel Details
- S-18 Bearing Details, 1 of 2
- S-19 Bearing Details, 2 of 2
- S-20 West Abutment, Plan and Elevation
- S-21 West Abutment, Details and Bar List
- S-22 East Abutment, Plan and Elevation
- S-23 East Abutment, Details and Bar List
- S-24 Pier 1
- S-25 Pier 2
- S-26 Bar Splicer Details
- S-27 Cantilever Forming Brackets for Superstructures, with W27 Beams and Smaller
- S-28 Soil Boring Logs, 1 of 2
- S-29 Soil Boring Logs, 2 of 2

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	SUPER	SUB	TOTAL
Concrete Removal	Cu Yd	52.7	7.4	60.1
Protective Shield	Sq Yd	66		66
Structure Excavation	Cu Yd		83	83
Concrete Structures	Cu Yd		62.2	62.2
Concrete Superstructure	Cu Yd	179.2		179.2
Bridge Deck Grooving	Sq Yd	462		462
Furnishing And Erecting Structural Steel	L' Sum	1		1
Reinforcement Bars	Pound	37,720	8,580	46,300
Bar Splicers	Each		28	28
Furnishing Steel Piles HP10x42	Foot		292	292
Furnishing Steel Piles HP14x73	Foot		164	164
Driving Piles	Foot		456	456
Pile Shoes	Each		12	12
Preformed Joint Seal 2 1/2"	Foot	19.5		19.5
Preformed Joint Seal 4"	Foot	19.5		19.5
Elastomeric Bearing Assembly, Type I	Each	4		4
Elastomeric Bearing Assembly, Type II	Each	2		2
Anchor Bolts, 1"	Each	16		16
Porous Granular Embankment, Special	Cu Yd		20	20
Deck Slab Repair (Partial), Special	Sq Yd	1.7		1.7
Pipe Underdrain for Structures 4"	Foot		40	40



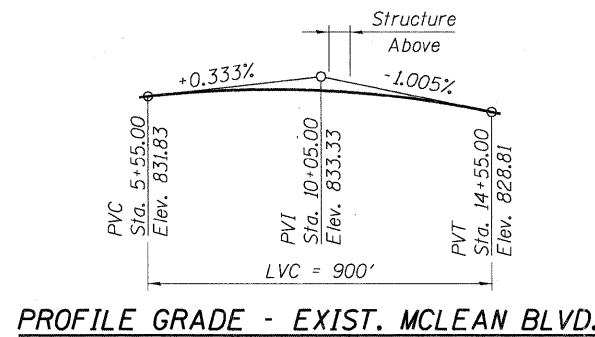
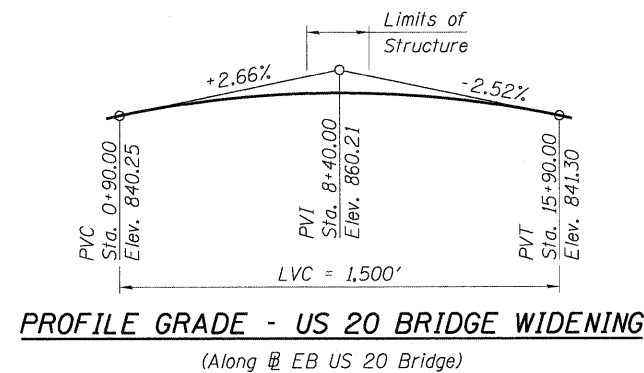
**SECTION THRU PILE SUPPORTED STUB ABUTMENT**

(Horiz. dim. @ Rt. L's)

\*Included in the cost of Pipe Underdrains for Structures.

**Notes:**

1. All drainage system components shall extend parallel to the abutment back wall until they intersect the wingwalls. The pipe shall extend under the wingwall until intersecting the side slopes. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).
2. Topsoil, Seeding, and Erosion Control Blanket to be placed on widened bridge cone to edge of existing concrete slopewall. See Landscaping Plans, Shl. 201.



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
US 20 OVER MCLEAN BOULEVARD

GENERAL NOTES, INDEX OF SHEETS, AND TOTAL BILL OF MATERIAL

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
345	BR-HB-2-BY-1	KANE	434	243
SN 045-0003		CONTRACT NO. 60K90		

SCALE: SHEET NO. S-2 OF S-29 STA. 98+32.18

FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT

\p\5\0003-60K90-001-GENNOTES.DGN, \p\5\0003-60K90-001-BORDER.DGN  
 \p\5\0003-60K90-001-GENNOTES.DGN, \p\5\0003-60K90-001-INDEX.DGN, \p\5\0003-60K90-001-SHEETS\0450003-SHEET 0450003-SHT.DGN  
 \p\5\0003-60K90-001-GENNOTES.DGN, \p\5\0003-60K90-001-INDEX.DGN, \p\5\0003-60K90-001-SHEETS\0450003-SHEET 0450003-SHT.DGN  
 \p\5\0003-60K90-001-GENNOTES.DGN, \p\5\0003-60K90-001-INDEX.DGN, \p\5\0003-60K90-001-SHEETS\0450003-SHEET 0450003-SHT.DGN  
 \p\5\0003-60K90-001-GENNOTES.DGN, \p\5\0003-60K90-001-INDEX.DGN, \p\5\0003-60K90-001-SHEETS\0450003-SHEET 0450003-SHT.DGN  
 \p\5\0003-60K90-001-GENNOTES.DGN, \p\5\0003-60K90-001-INDEX.DGN, \p\5\0003-60K90-001-SHEETS\0450003-SHEET 0450003-SHT.DGN

**TENG** TENG & ASSOCIATES, INC.  
ENGINEERS/ARCHITECTS/PLANNERS  
CHICAGO, ILLINOIS

FILE NAME =	USER NAME = \$USER\$	DESIGNED - PK	REVISED -
#FILE#		DRAWN - PK	REVISED -
PLOT SCALE = \$SCALE\$		CHECKED - MDB	REVISED -
PLOT DATE = \$DATE\$		DATE - 05/18/11	REVISED -