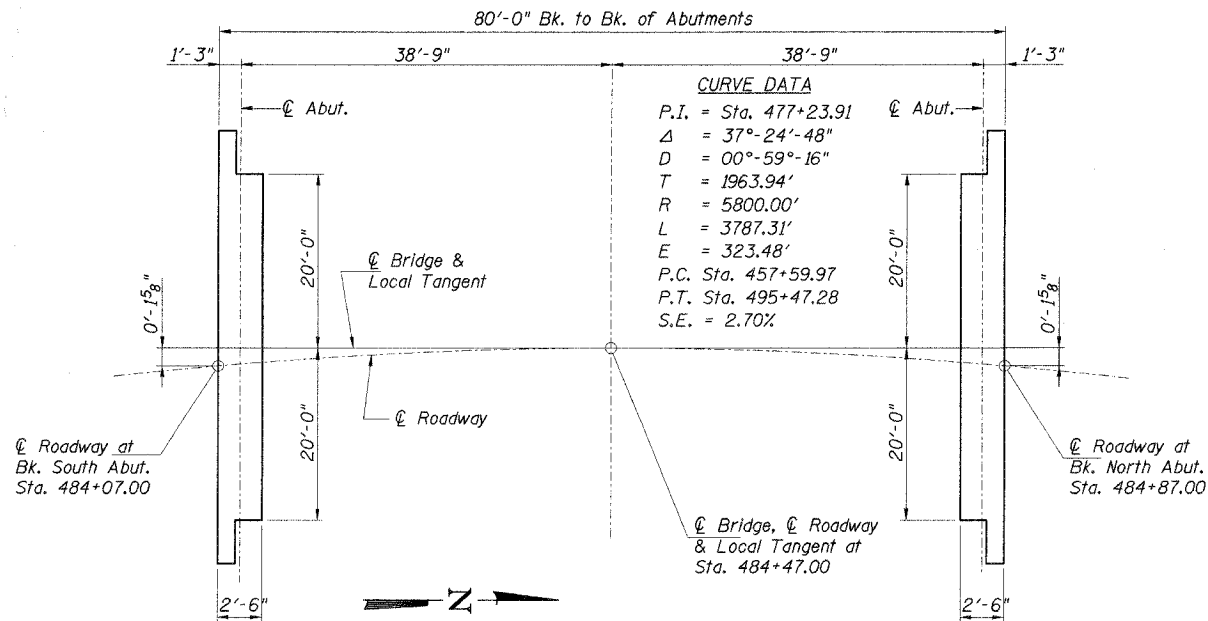


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8075	03-00167-04-FP	SANGAMON	109	66
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

Sheet 2 of 11

GENERAL NOTES

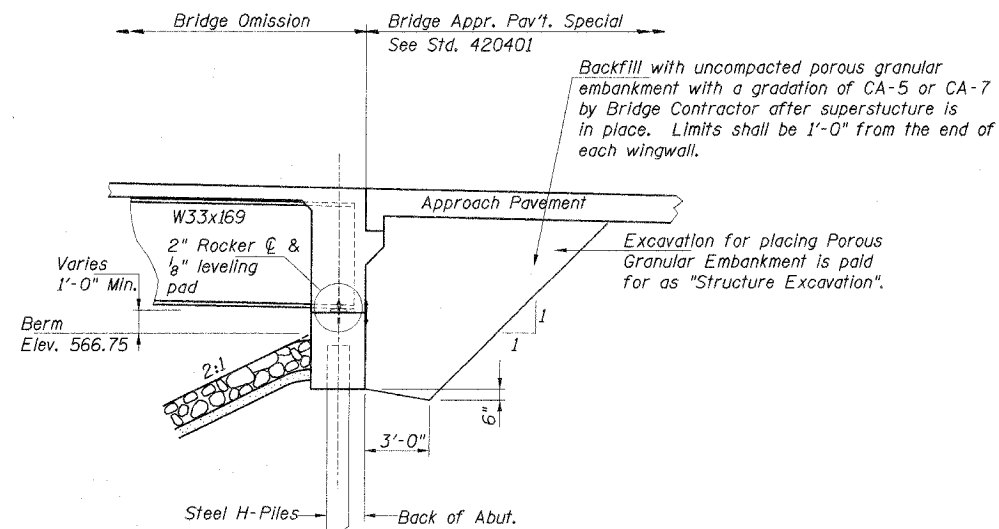
- Fasteners shall be high strength bolts AASHTO M164, Type 3 in unpainted areas and mechanically galvanized AASHTO M164, Type 1 or 2 in painted areas. Bolts 3/4" φ, open holes 13/16" φ, unless otherwise noted.
- Calculated weight of Structural Steel: AASHTO M270 Grade 36 = 80 lbs.
AASHTO M270 Grade 50W = 87104 lbs.
- All Structural Steel shall be AASHTO M270 Grade 50W, Except for Anchor Bolts.
- Field welding of construction accessories will not be permitted to beams.
- Anchor bolts shall be set before bolting cross frames over supports.
- The main load carrying members shall conform to the Supplemental Requirements for Notch Toughness Zone 2.
- Reinforcement bars shall conform to the requirements of AASHTO M 31 or M 322 Grade 60.
- Layout of slope protection system may be varied in the field to suit ground conditions as directed by the Engineer.
- The embankment configuration shown shall be the minimum embankment that must be constructed prior to construction of the abutments.
- 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.
- The Contractor shall drive two HP12x53 test piles in a permanent location, one at each abutment 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 interior surfaces of the exterior beams and the interior beams need not be painted except as noted in General Note No. 14.
The color of the final finish coat for the exterior and bottom flange of the fascia beams shall be Gray, Munsell No. 5B 7/1. See special provisions for "Cleaning and Painting New Metal Structures".
- AASHTO M 270 Grade 50W structural steel shall only be painted, at the ends of the beams, for a distance equal to the depth of embedment into the concrete cap plus 3 inches. Those areas shall be primed in the shop with an inorganic zinc rich primer per AASHTO M 300, Type 1. No field painting shall be required. All structural steel shall be cleaned as specified in the special provision for "Surface Preparation and Painting Requirements for Weathering Steel".



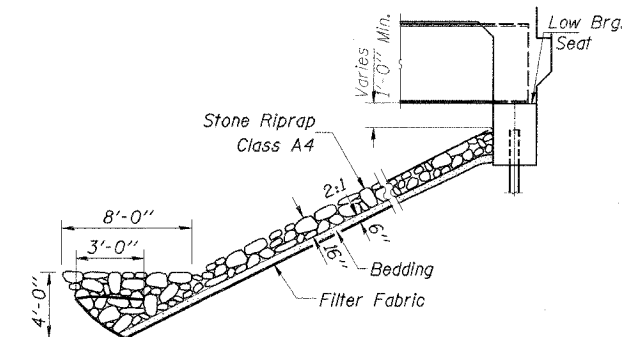
FOOTING LAYOUT

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment	Cu. Yd.	-	173	173
Stone Riprap, Class A4	Tons	-	595	595
Protective Coat	Sq. Yd.	377	-	377
Structure Excavation	Cu. Yd.	-	242	242
Concrete Structures	Cu. Yd.	-	37.7	37.7
Concrete Superstructure	Cu. Yd.	107.9	-	107.9
Bridge Deck Grooving	Sq. Yd.	356	-	356
Furnishing and Erecting Structural Steel	L.S.	1	-	1
Stud Shear Connectors	Each	1152	-	1152
Reinforcement Bars, Epoxy Coated	Lbs.	22110	4790	26900
Steel Bridge Rail, Type SM (Special)	Ft.	160	-	160
Furnishing Steel Piles HP12x53	Ft.	-	510	510
Driving Steel Piles	Ft.	-	510	510
Test Pile Steel HP12x53	Each	-	2	2
Name Plates	Each	1	-	1
Bar Splicers	Each	82	-	82



SECTION THRU INTEGRAL ABUTMENT



STONE RIPRAP ANCHOR DETAIL

BLACK BRANCH CREEK
BUILT 20... BY
SANGAMON COUNTY
FAU RTE 8075 SEC. 03-00167-04-FP
STATION 484+47.00
STR. NO. 084-3640 LOADING HS20-44
NAME PLATE
See Std. 515001

GENERAL NOTES & BILL of MATERIAL
CARDINAL ROAD over BLACK BRANCH CREEK
SECTION 03-00167-04-FP
SANGAMON COUNTY
STATION 484+47
STRUCTURE NO. 084-3640

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JOB NO. 03S2035B

DATE 6/21/06

07/27/2006 10:49:13 AM
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 LAYOUT M.M.M. 3/13/04
 DRAWN R.R. 3/16/04
 REVIEWED G.B.A. 3/20/04