

GENERAL NOTES:

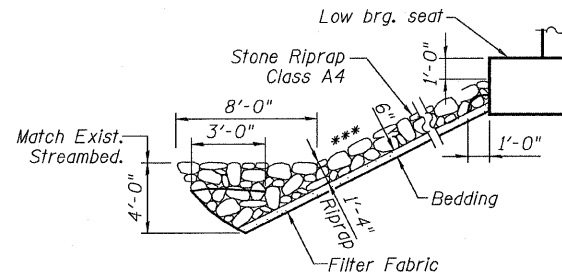
- Fasteners shall be AASHTO M164 Type 1, Mechanically Galvanized Bolts in painted areas and M164 Type 3 in unpainted areas. Bolts 7/8" φ, open holes 15/16" φ, unless otherwise noted.
- Calculated weight of Structural Steel = 980,460 Pounds, Gr. 50W.
- All structural steel shall be AASHTO M270 Grade 50W except expansion joints which shall be AASHTO M270 Grade 50. All structural steel shall be cleaned as specified in the special provision for "Surface Preparation and Painting Requirements for Weathering Steel".
- No field welding is permitted except as specified in the contract documents.
- Reinforcement bars shall conform to the requirements of ASTM A 706 Gr. 60. See Special Provisions.
- Reinforcement bars designated (E) shall be epoxy coated.
- Bearing seat surfaces shall be constructed or adjusted to the designated elevations within a tolerance of 1/8" (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearing.
- Concrete sealer shall be applied to the seat area of both abutments.
- All structural steel and exposed surfaces of bearings within a distance of 10 ft. each way from the deck joints shall be painted as specified in the special provision for "Surface Preparation and Painting Requirements for Weathering Steel".
- Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.
- The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.
- The Contractor shall drive one test pile in a permanent location at each pier and abutment as directed by the Engineer before ordering the remainder of piles. The test piles shall be driven to 110 percent of the Nominal Required Bearing indicated in the pile data information.
- The Contractor shall obtain a construction permit from the Illinois Department of Natural Resources (IDNR), Office of Water Resources for any temporary construction activity placed in the water except cofferdams. This shall include the placement of material for run-arounds, causeways, etc. Any permit application by the Contractor shall refer to the IDNR 3704 Floodway Construction permit number allowing permanent construction as shown in the contract plans.
- Seal coat thickness design is based on the Estimated Water Surface Elevation (EWSE). Cofferdam design details and proposed changes in seal coat thickness shall be submitted to the Engineer for approval with the cofferdam design.
- When the deck pour is stopped for the day at one or more of the transverse Bonded Construction Joints in the deck Pouring Sequence as shown, the next pour shall not be made until both of the following requirements are met:
 - At least 72 hours shall have elapsed from the end of the previous pour.
 - The concrete strength shall have attained a minimum flexural strength of 650 psi or a minimum compressive strength of 3500 psi.
- The structural steel plates of the Bearing Assembly shall conform to the requirements of AASHTO M270 Grade 50W.
- All construction joints shall be bonded, unless otherwise noted.
- At bridge expansion joints, if temporary expansion joint bulkheads are attached to adjacent deck slabs or abutments for support, the Contractor shall cut the attachments as soon as the concrete has set to prevent joint damage due to horizontal contraction or expansion.
- Bridge approach slabs will be constructed in a future contract. Drawings for the top of approach slab elevations and bridge approach slab details are included for information only. See Sheet Nos. 9-10 and 16-17.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET INDEX

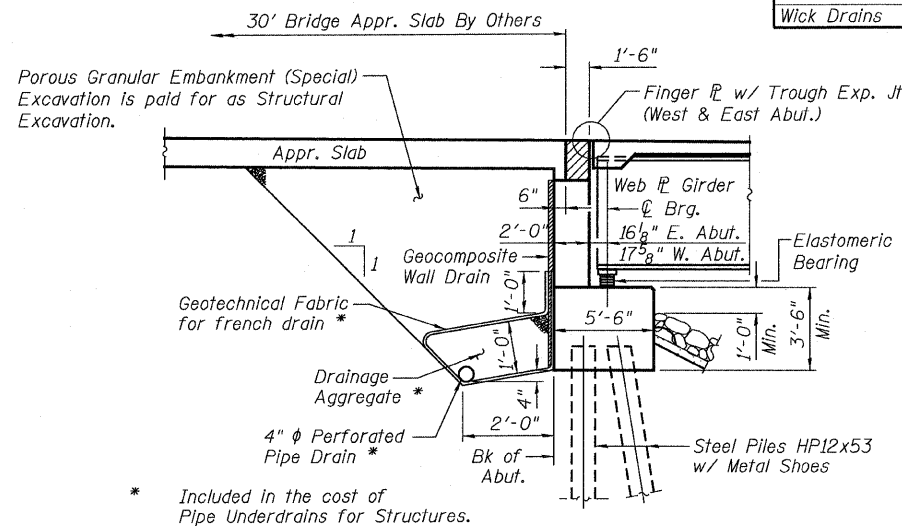
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** FOR INFORMATION ONLY



STONE RIPRAP ANCHOR DETAIL

*** 1:2 (V:H) Slope at Rt. L's



Note:
All drainage system components shall extend to 2'-0" from the end of each wingwall except an outlet pipe shall extend until intersecting with the side slopes. The pipes shall drain into concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101)

SECTION THROUGH ABUTMENT

(Horizontal Dimensions @ Rt. L's)

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 301	177-2	STEPHENSON	386	142
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

Contract No. 64799

SHEET NO. 2
47 SHEETS

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment, Special	Cu. Yd.		165	165
Stone Riprap, Class A4	Sq. Yd.		883	883
Filter Fabric	Sq. Yd.		883	883
Structure Excavation	Cu. Yd.		1,020	1,020
Cofferdam Excavation	Cu. Yd.		204	204
Cofferdams	Each		1	1
Floor Drains	Each	38		38
Concrete Structures	Cu. Yd.		838.7	838.7
Concrete Superstructure	Cu. Yd.	962.7		962.7
Bridge Deck Grooving	Sq. Yd.	3,178		3,178
Seal Coat Concrete	Cu. Yd.		103.9	103.9
Concrete Encasement	Cu. Yd.		9.2	9.2
Protective Coat	Sq. Yd.	3,995		3,995
Elastomeric Bearing Assembly, Type I	Each		12	12
Elastomeric Bearing Assembly, Type II	Each		18	18
Elastomeric Bearing Assembly, Type III	Each		12	12
Furnishing and Erecting Structural Steel	L.S.		1	1
Stud Shear Connectors	Each	10,188		10,188
Reinforcement Bars, Epoxy Coated	Pound	258,350	89,030	347,380
Bar Splicers	Each		92	92
Furnishing Steel Piles HP12X53	Foot		8,822	8,822
Driving Piles	Foot		8,822	8,822
Test Pile Steel HP12X53	Each		8	8
Pile Shoes	Each		156	156
Name Plates	Each		1	1
Finger Plate Expansion Joint, 3"	Foot		45.1	45.1
Finger Plate Expansion Joint, 4"	Foot		45.1	45.1
Fabric Reinforced Elastomeric Trough	Foot		90.2	90.2
Anchor Bolts, 1"	Each		24	24
Anchor Bolts, 1 1/4"	Each		12	12
Anchor Bolts, 1 1/2"	Each		60	60
Concrete Sealer	Sq. Ft.		346	346
Geocomposite Wall Drain	Sq. Yd.		76	76
Pipe Underdrain for Structures, 4" φ	Foot		106	106
Drainage Scupper, DS-11	Each	4		4
Underwater Structure Excavation Protection - Location 1	Each		1	1
Underwater Structure Excavation Protection - Location 2	Each		1	1
Underwater Structure Excavation Protection - Location 3	Each		1	1
Underwater Structure Excavation Protection - Location 4	Each		1	1
Underwater Structure Excavation Protection - Location 5	Each		1	1
Wick Drains	Foot		8,000	8,000

STATION 540+65.71
BUILT BY
STATE OF ILLINOIS
F.A.P. RT. 301 SEC. 117-2B-1
LOADING HS20
STR. NO. 089-0082

NAME PLATE
See Std. 515001

GENERAL DATA
F.A.P. ROUTE 301 SECTION 177-2B-1
STEPHENSON COUNTY
STATION 540+65.71
STRUCTURE NO. 089-0082



DESIGNED	S.CHELBIAN
CHECKED	A.HAMMAD
DRAWN	S.CHELBIAN
CHECKED	J.GRAINAWI