

GENERAL NOTES

Fasteners shall be ASTM A325 Type 1, mechanically galvanized bolts in painted areas and ASTM A325 type 3 in unpainted areas. Bolts 7/8" O, holes 1 1/16" O, unless otherwise noted.

Calculated weight of Structural Steel = 188,850 lb (AASHTO M270 Gr. 50W)

All structural steel shall be AASHTO M270 Gr. 50W except expansion joints which shall be AASHTO M270, Grade 50.

No field welding is permitted except as specified in the contract documents.

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 inch (0.01 ft.). Adjustment shall be made either by grinding the surface or by shimming the bearings.

Concrete Sealer shall be applied to the bearings, backwall and front face of each abutment.

All structural steel and exposed surfaces of bearings within a distance of 9 feet from each way from the deck joints shall be painted as specified in Section 506 of the Standard Specifications.

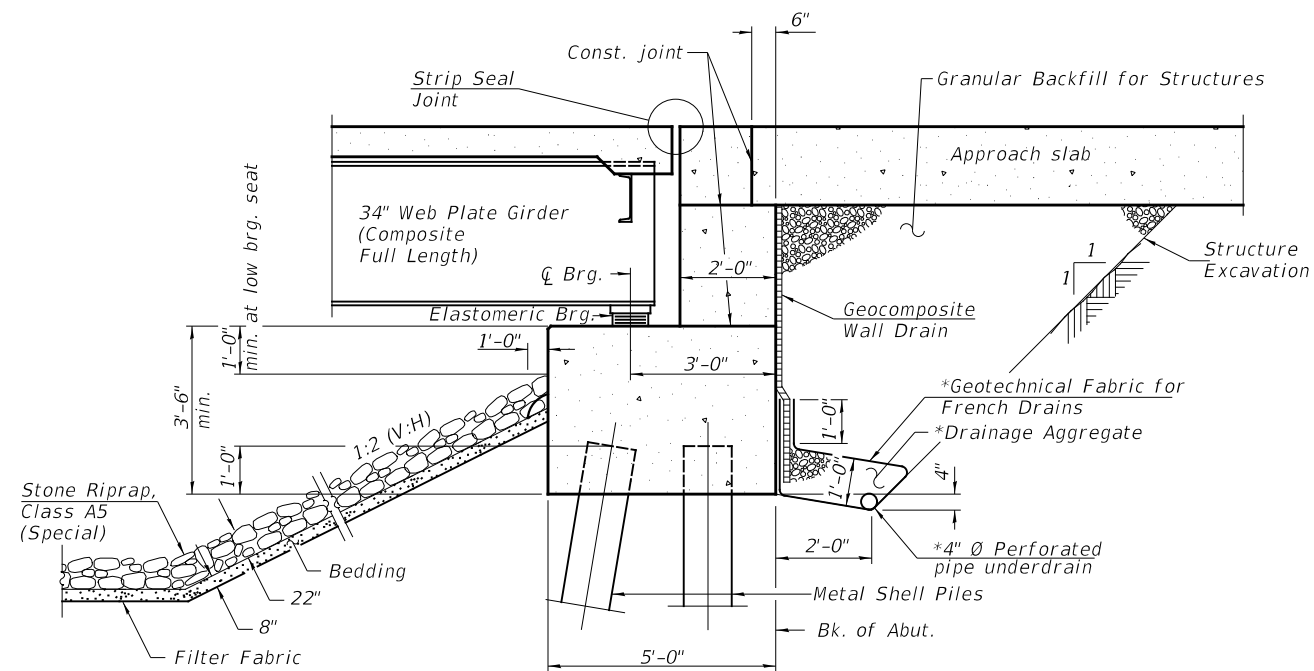
Layout of slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

The embankment configuration shown shall be the minimum that must be placed and compacted prior to construction of the abutments.

For Soil Boring Logs, See Special Provisions.

Bridge Deck Grooving is figured 1'-0" from the face of the parapets. It shall be applied to the bridge deck & approach slabs.

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 surfaces shall be Reddish Brown, Munsell No 2.5YR 3/4.



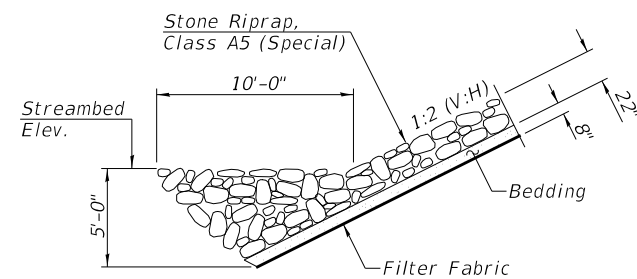
*Included in the cost of Pipe Underdrains for Structures. (See Special Provisions)

SECTION THRU PILE SUPPORTED STUB ABUTMENT

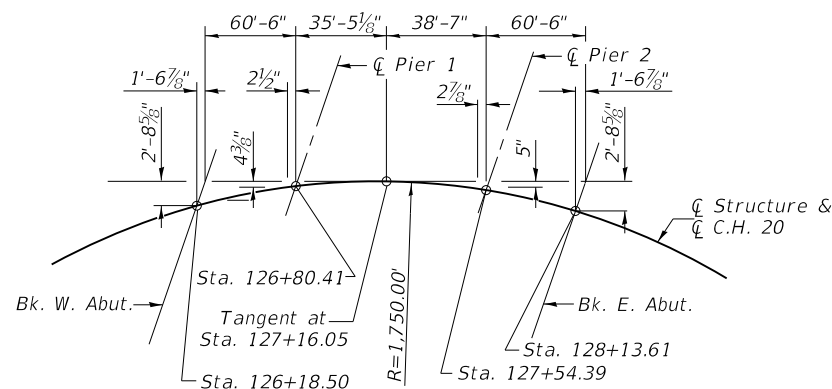
(Horiz. dim. @ Rt. L's)

Note:

All drainage system components shall extend parallel to the abutment back wall until they intersect the wingwalls or 2'-0" from the end of the wingwalls when the wings are parallel to the abutment. The pipe shall extend under the wingwall, if necessary, until intersecting the side slopes. The pipes shall drain into *concrete headwalls. (See Article 601.05 of the Standard Specifications and Highway Standard 601101).



SECTION A-A



OFFSET SKETCH

△ - BAN 01/04/2021

INDEX OF SHEETS

SH. #'s	DESCRIPTION
1	General Plan and Elevation
2	Bill of Material, Details and General Notes
3	Footing Layout
4-6	Top of Slab Elevations
7-8	Top of Approach Slab Elevations
9	Prefomed Joint Strip Seal
10	Superstructure
11-12	Superstructure Details
13	Diaphragm Details
14-17	Approach Slab Details
18	Framing Plan
19-20	Structural Steel Details
21	Bearing Details
22-23	West Abutment
24-25	East Abutment
26	Pier #1
27	Pier #2
28	Metal Shell Pile Details

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Channel Excavation	CU YD	—	1,300	1,300
Filter Fabric	SQ YD	—	1,750	1,750
Stone Riprap, Class A5 (Special)	TON	—	1,570	1,570
Granular Backfill for Structures	CU YD	—	120	120
Removal of Existing Structures	EACH	—	—	1
Structure Excavation	CU YD	—	295	295
Concrete Structures	CU YD	—	273.2	273.2
Concrete Superstructure	CU YD	241.5	—	241.5
Bridge Deck Grooving	SQ YD	890	—	890
Protective Coat	SQ YD	1,150	—	1,150
Prefomed Joint Strip Seal	FOOT	83	—	83
Furnishing and Erecting Structural Steel	L SUM	1	—	1
Reinforcement Bars, Epoxy Coated	POUND	99,300	24,570	123,870
Stud Shear Connectors	EACH	4,542	—	4,542
Anchor Bolts, 1"	EACH	—	48	48
Furnishing Metal Shell Piles 14"x0.312"	FOOT	—	702	702
Furnishing Metal Shell Piles 16"x0.375"	FOOT	—	565	565
Test Pile Metal Shells	EACH	—	4	4
Driving Piles	FOOT	—	1,267	1,267
Name Plates	EACH	1	—	1
Geocomposite Wall Drain	SQ YD	—	60	60
Pipe Underdrains For Structures 4"	FOOT	—	123	123
Concrete Superstructure (Approach Slab)	CU YD	97.8	—	97.8
Concrete Encasement	CU YD	—	8.6	8.6
Cofferdam Excavation	CU YD	—	105	105
Elastomeric Bearing Assembly Type I	EACH	12	—	12
Cofferdam (Type 1) (Location-1)	EACH	—	1	1
Cofferdam (Type 1) (Location-2)	EACH	—	1	1
Concrete Sealer	SQ FT	—	851	851
Floor Drains	EACH	11	—	11

① See Special Provisions

INDEX OF SHEETS,

BILL OF MATERIAL, & GENERAL PLAN DETAILS

F.A.S. 567 (C.H. 20)

OVER QUIVER CREEK

SECTION 07-00022-01-BR

MASON COUNTY

STATION 127+16.05

STRUCTURE NO. 063-3009

QUIVER CREEK
BUILT 20 BY
MASON COUNTY
SEC. 07-00022-01-BR
F.A.S. 567 STATION 127+16.05
STR. NO. 063-3009 LOADING HL-93

NAME PLATE

Locate Name Plate on Wingwall
S.W. Corner of Bridge (See Std. 515001)

SHEET NO. 2	F.A.S. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
28 SHEETS	567	07-00022-01-BR	MASON	75	19
		S.N. 063-3009		CONTRACT NO. 93753	
		FED. ROAD DIST. NO. 7 ILLINOIS		FED. AID PROJECT: ZMBM(399)	