

Along I-72 E.B. Outside EOP		Along I-72 E.B. Inside EOP		Along I-72 W.B. Outside EOP		Along I-72 W.B. Inside EOP	
Station	Elevation	Station	Elevation	Station	Elevation	Station	Elevation
595+79.47	612.63	595+80.93	611.96	595+86.82	612.52	595+85.28	613.24
596+28.78	614.16	596+30.57	613.21	596+37.79	613.87	596+35.90	614.70
596+78.14	615.62	596+80.27	614.73	596+88.82	615.37	596+86.58	615.75

I-72 PAVEMENT ELEVATIONS

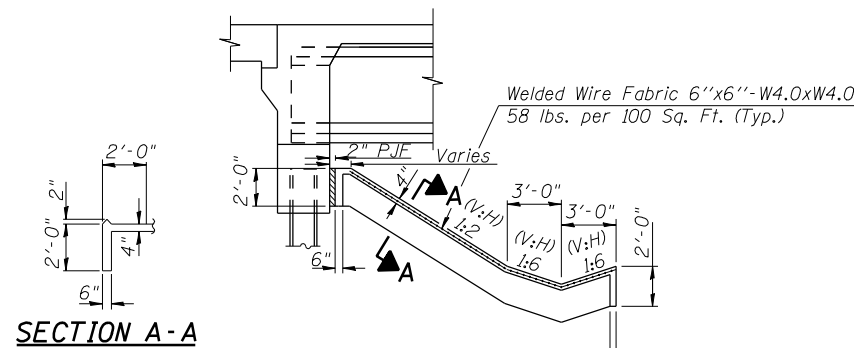
(The I-72 EB & WB pavement elevations shown were adjusted from surveyed elevations to account for a future mill of 1/4" and an overlay of 3 3/4")

INDEX OF SHEETS

1.	General Plan and Elevation
2.	General Notes and Bill of Material
3.-7.	Top of Slab Elevations
8.	Superstructure
9.	Superstructure Details
10.	Superstructure Details
11.	Diaphragm Details
12.	Framing Plan
13.	63" PPC Bulb T-Beam - Span 1
14.	63" PPC Bulb T-Beam - Span 2
15.	63" PPC Bulb T-Beam Details
16.	North & South Abutments
17.	North & South Abutment Details
18.	Pier
19.	Pier Details
20.	Bar Splicer Assembly Details
21.	Anchor Bolt Details
22-24	Borings

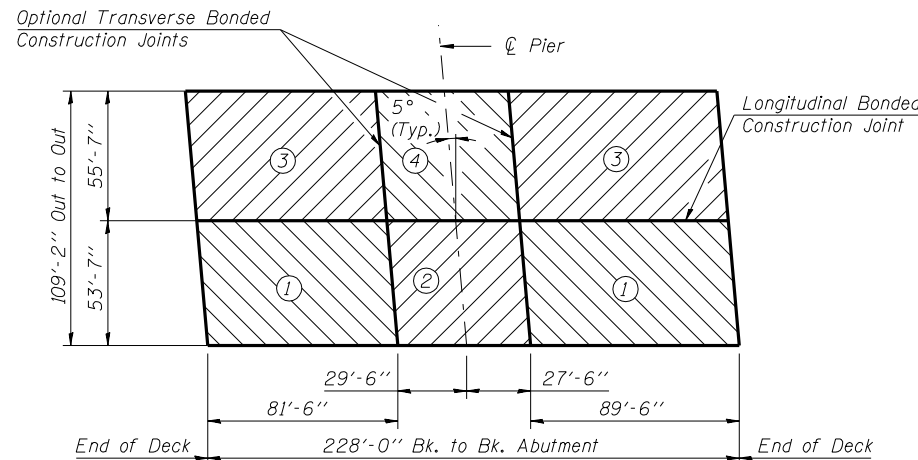
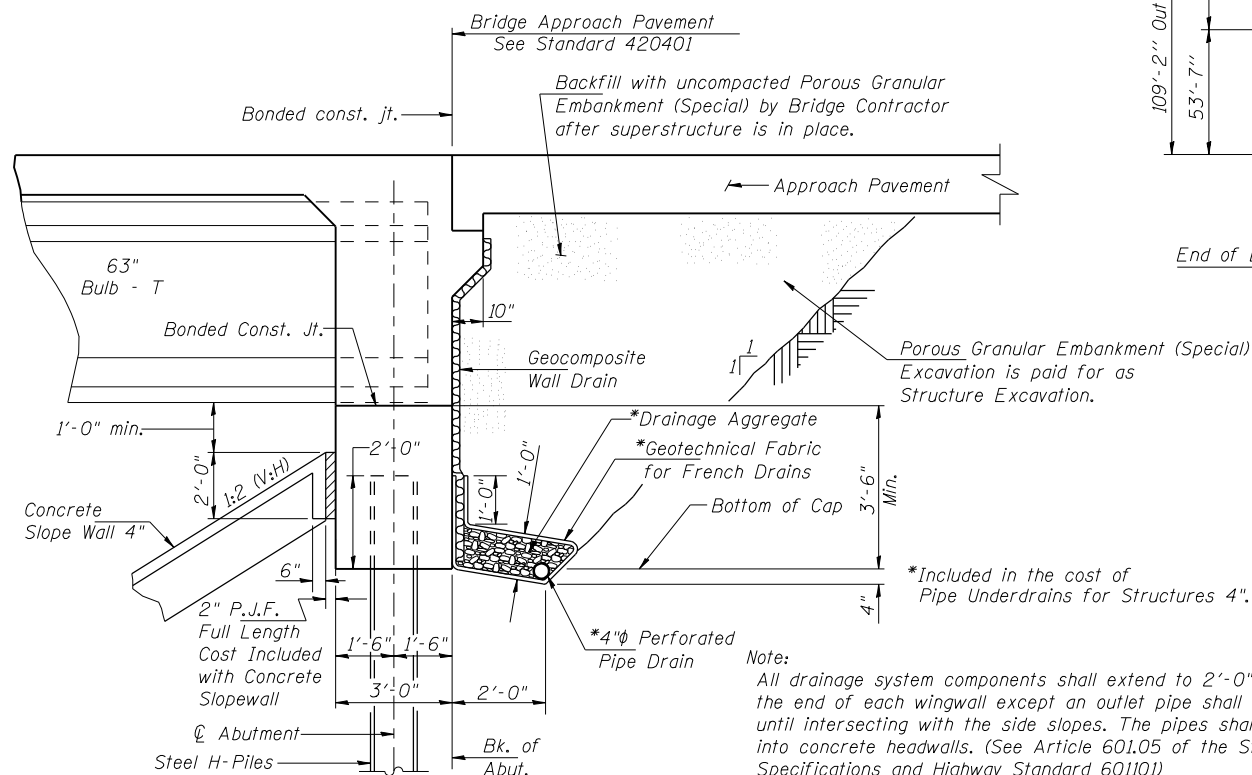
GENERAL NOTES

- Reinforcement bars shall conform to the requirements of AASHTO M 31 or M 322 Grade 60.
- The embankment configuration shown shall be the minimum embankment that must be constructed prior to construction of the abutments.
- The Contractor shall drive one HP12x74 test pile in a permanent location at each abutment and one HP10x57 test pile in a permanent location at the pier as directed by the Engineer before ordering the remainder of piles.
- Slope wall shall be reinforced with welded wire fabric 6"x6" - W4.0xW4.0 weighing 58 lbs. per 100 Sq. Ft.
- 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.
- All construction joints shall be bonded.
- The piles at the abutments shall be driven through 18" ϕ diameter pre-cored holes extending down to Elev. 602.0 at S. Abut. and 600.0 at N. Abut. or to the present ground elevation whichever occurs first. The annular spacing around the pile shall then be backfilled with dry loose sand. The cost of complying with these requirements shall be included with driving steel piles.
- The Steel H-piles shall be according to AASHTO M270 Grade 50.
- The test piles shall be driven to 110 percent the Nominal Required Bearing indicated in the pile data information.



SECTION THRU SLOPEWALL

(Dimensions @ Rt. <'s to Bk. of Abutment)



DECK POURING SEQUENCE

The concrete deck segments shall be poured in the numerical order shown above. The deck segments on either side of the bonded construction joint may be poured in one continuous operation without the optional transverse joints shown, subject to the Engineer's approval.

A delay of 21 days shall be provided after completion of deck pour (2)

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Porous Granular Embankment, Special	Cu. Yd.	-	662	662
Structure Excavation	Cu. Yd.	-	764	764
Concrete Structures	Cu. Yd.	-	379.4	379.4
Concrete Superstructure	Cu. Yd.	952.5	-	952.5
Bridge Deck Grooving	Sq. Yd.	2248	-	2248
Protective Coat	Sq. Yd.	2910	-	2910
Furnishing and Erecting Precast Prestressed Concrete Bulb-T-Beams 63"	Foot	4065	-	4065
Reinforcement Bars, Epoxy Coated	Pounds	184760	78500	263260
Slope wall 4 inches	Sq. Yd.	-	1187	1187
Furnishing Steel Piles HP10x57	Foot	-	1640	1640
Furnishing Steel Piles HP12x74	Foot	-	2244	2244
Driving Piles	Foot	-	3884	3884
Test Pile Steel HP10x57	Each	-	1	1
Test Pile Steel HP12x74	Each	-	2	2
Name Plates	Each	-	1	1
Bar Splicers	Each	800	-	800
Pipe Underdrains for Structures 4"	Foot	-	303	303
Geocomposite Wall Drain	Sq. Yd.	-	238	238
Concrete Encasement	Cu. Yd.	-	12.6	12.6

STATION 792+77.64
BUILT 20__ BY
STATE OF ILLINOIS
F.A.U. RT. 8071 SEC. (84-9-4)A, HBK, BY, BY-1
LOADING HS20-44
STR. NO. 084-0513

NAME PLATE
See Std. 515001

Corporate License Number 184-001-084

GENERAL NOTES & BILL OF MATERIAL
MACARTHUR BLVD. OVER F.A.I. 72
SECTION (84-9-4)A, HBK, BY, BY-1
SANGAMON COUNTY
STATION 792+77.64
STRUCTURE NUMBER 084-0513

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96S2002B

DATE: 02/02/05

LAYOUT: MMW 10/22/04
DRAWN: DAP 01/04/05
REVIEWED: JMM 02/02/05

\$FILE# 12/16/2006