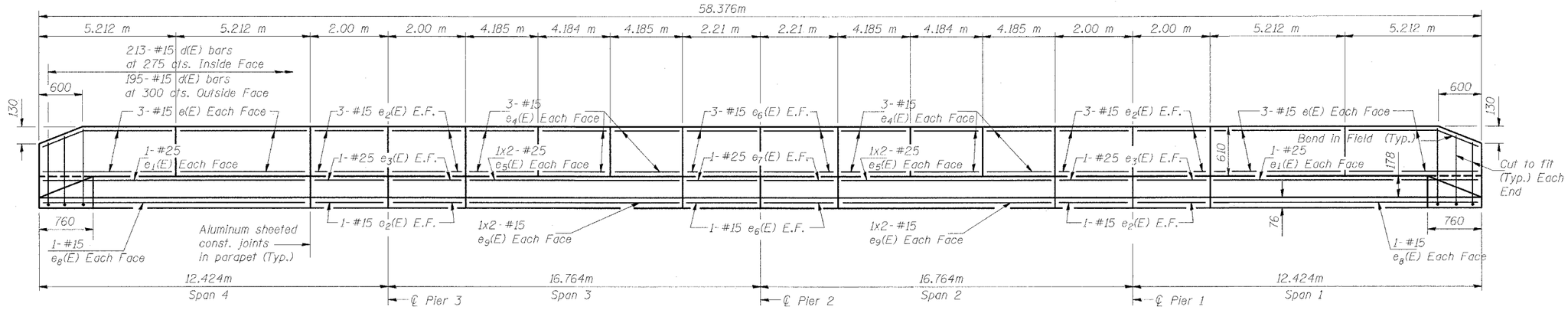
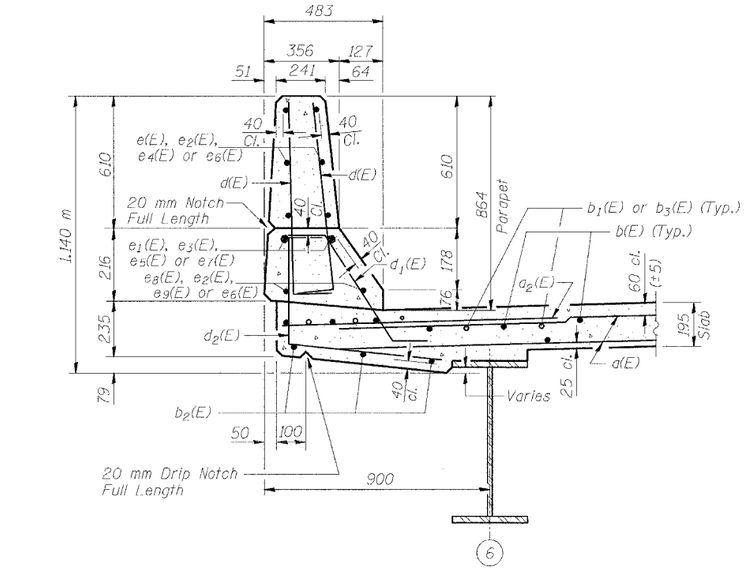
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F.A.P. Rt. 305	28R-2-RS-1	McHenry	53	25
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NUMBER: 60756

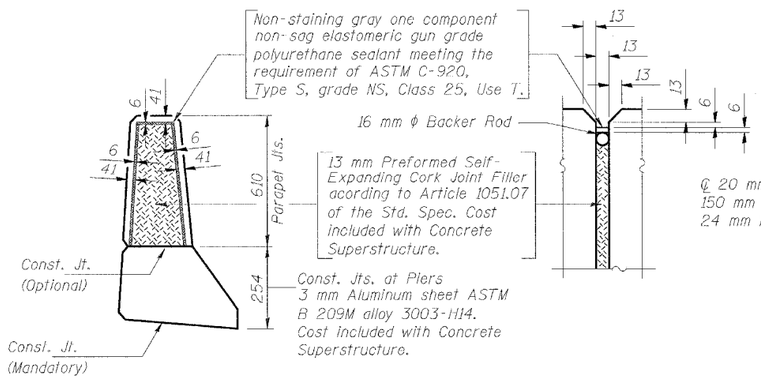


INSIDE ELEVATION OF SOUTH PARAPET

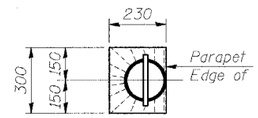


SECTION THRU SOUTH PARAPET

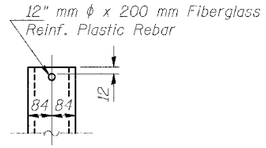
(LOOKING WEST, NEAR PIER)



PARAPET JOINT DETAILS



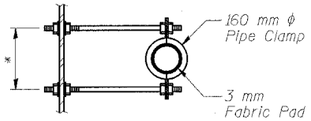
TOP PLAN



FIBERGLASS PIPE

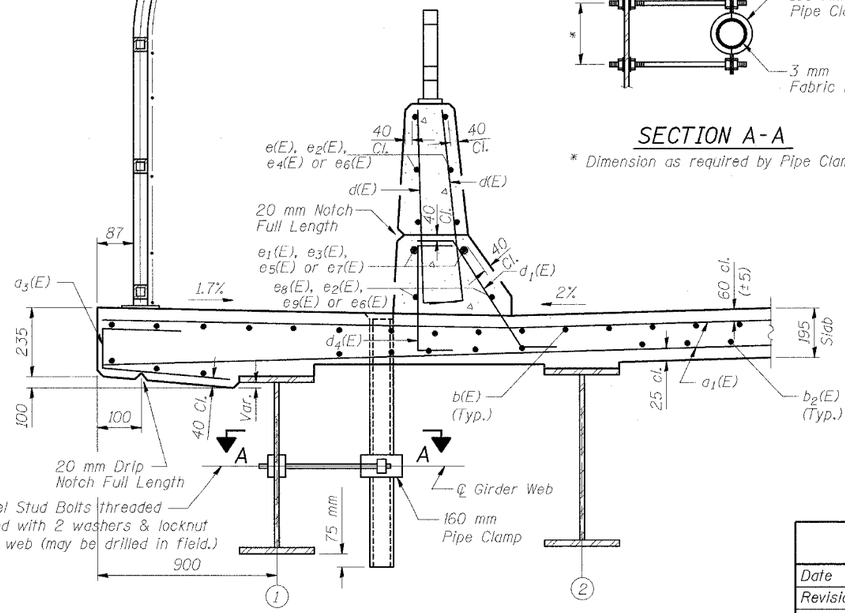
NOTE:

The exterior surfaces of the floor drains shall be painted with the finish coat as specified in the special provisions for Cleaning and Painting New Metal Structures. The exterior surfaces of the drains shall be cleaned according to Steel Structures Painting Council's Spec. SSPC-SPI prior to painting. Fiberglass pipe shall conform to ASTM D 2996, with short-time rupture strength hood tensile stress of 200 MPa minimum.



SECTION A-A

* Dimension as required by Pipe Clamp



SECTION THRU NORTH PARAPET

(LOOKING EAST)

(For dimensions not shown, see Section thru South Parapet

SUPERSTRUCTURE BILL OF MATERIAL

Bar	No.	Size	Length (m)	Shape
d(E)	545	#15	4.73	
a_1(E)	545	#15	5.61	
a_2(E)	154	#20	1.35	
a_3(E)	153	#15	0.96	
b(E)	259	#15	8.89	
b_1(E)	72	#20	8.71	
b_2(E)	324	#15	7.10	
b_3(E)	36	#20	9.30	
d(E)	816	#15	0.91	
d_1(E)	420	#15	0.73	
d_2(E)	195	#15	1.18	
d_3(E)	6	#15	0.82	
d_4(E)	195	#15	0.82	
e(E)	48	#15	5.13	
e_1(E)	8	#25	10.32	
e_2(E)	64	#15	1.90	
e_3(E)	16	#25	1.90	
e_4(E)	72	#15	4.10	
e_5(E)	16	#25	6.55	
e_6(E)	32	#15	2.11	
e_7(E)	8	#25	2.11	
e_8(E)	8	#15	10.32	
e_9(E)	16	#15	6.55	
m(E)	10	#20	4.52	
m_1(E)	12	#20	2.19	
m_2(E)	8	#20	1.67	
m_3(E)	4	#20	0.80	
m_4(E)	10	#20	5.66	
m_5(E)	12	#20	2.49	
m_6(E)	2	#20	0.43	
m_7(E)	2	#20	1.24	
s(E)	72	#15	1.61	
s_1(E)	62	#15	2.56	
v(E)	72	#15	1.23	
Reinforcement Bars, Epoxy Coated		kg	24,680	
Concrete Superstructure		m^3	173	
Bridge Deck Grooving		m^2	426.1	
Protective Coat		m^2	696.5	
Bar Splicers		Each	615	
Floor Drain		Each	6	

NOTES:

1. Bars indicated thus 20 x 3-#15 etc. indicates 20 lines of bars with 3 lengths per line.
2. Reinforcement bars designated (E) shall be epoxy coated.
3. All dimensions are in millimeters (mm) except as noted.
4. See Sheet #13 of 31 for bar bend details

DECK DETAILS & SOUTH PARAPET REINFORCEMENT

Date	Designed MR	SOUTH ST. OVER US 14 FAP ROUTE NO. 305 SECTION 28R-2-RS-1 STATION 29+999.897 COUNTY McHENRY STRUCTURE NO. 056-3015	Sheet No. 12 of 31
Revisions	Drawn MR/RV		
	Checked KSM		
	Approved KSM		

HOH HARRY O. HEFTER ASSOCIATES, INC. DESIGN AND CONSULTING ENGINEERS
55 East Jackson Blvd. Chicago, Illinois 60604 312/346-8131

File Name: 1962S12.DGN | Job No. 1962

$TIME$
$DATE$
$FILE$