

GENERAL NOTES

Reinforcement bars designated (E) shall be epoxy coated.

Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

The existing aluminum handrail that is to be removed shall be salvaged and delivered to the Illinois Department of Transportation Maintenance Yard at 1101 Biesterfeld Road, Elk Grove Village, IL 60007. Attention Shaker Asfour Phone 847-956-1501.

Protective Coat shall be applied to the top surface and entire traffic face of the proposed parapet.

BILL OF MATERIAL

Item	Unit	Total
Bridge Rail Removal	Foot	259
Concrete Superstructure	Cu. Yd.	34.4
Protective Coat	Sq. Yd.	123
Reinforcement Bars, Epoxy Coated	Pound	5580
Bridge Fence Railing	Foot	259
* Parapet Railing	Foot	519
Structural Repair of Concrete (Depth equal to or less than 5 inches)	Sq Ft.	45

* Total includes quantity on approach roadway barrier, See Roadway Plans.

DESIGN STRESSES
FIELD UNITS

$f'_c = 4,000$ psi
 $T_y = 60,000$ psi (Reinforcement)

DESIGN SPECIFICATIONS

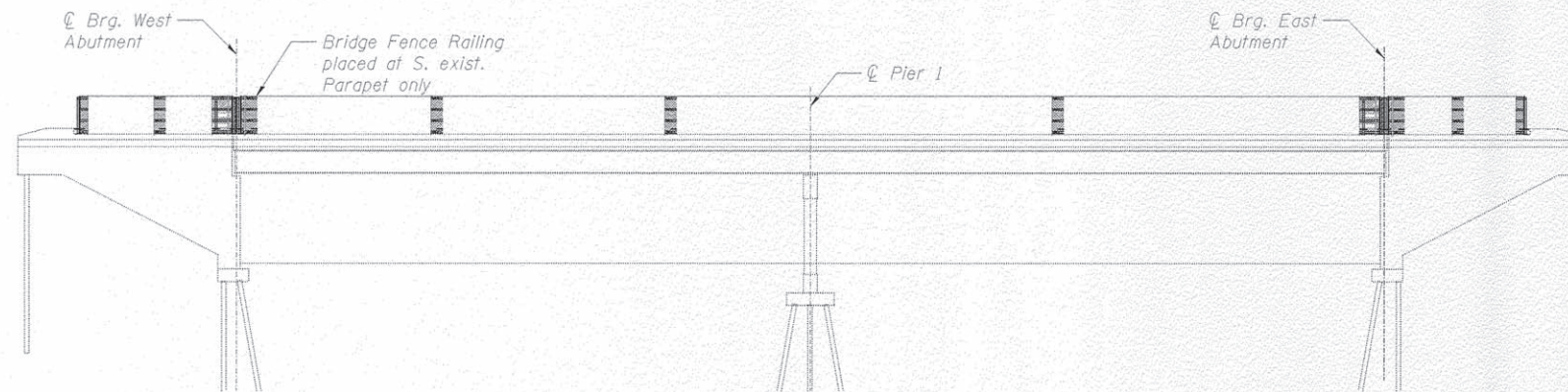
2002 AASHTO

LOADING HS20-44

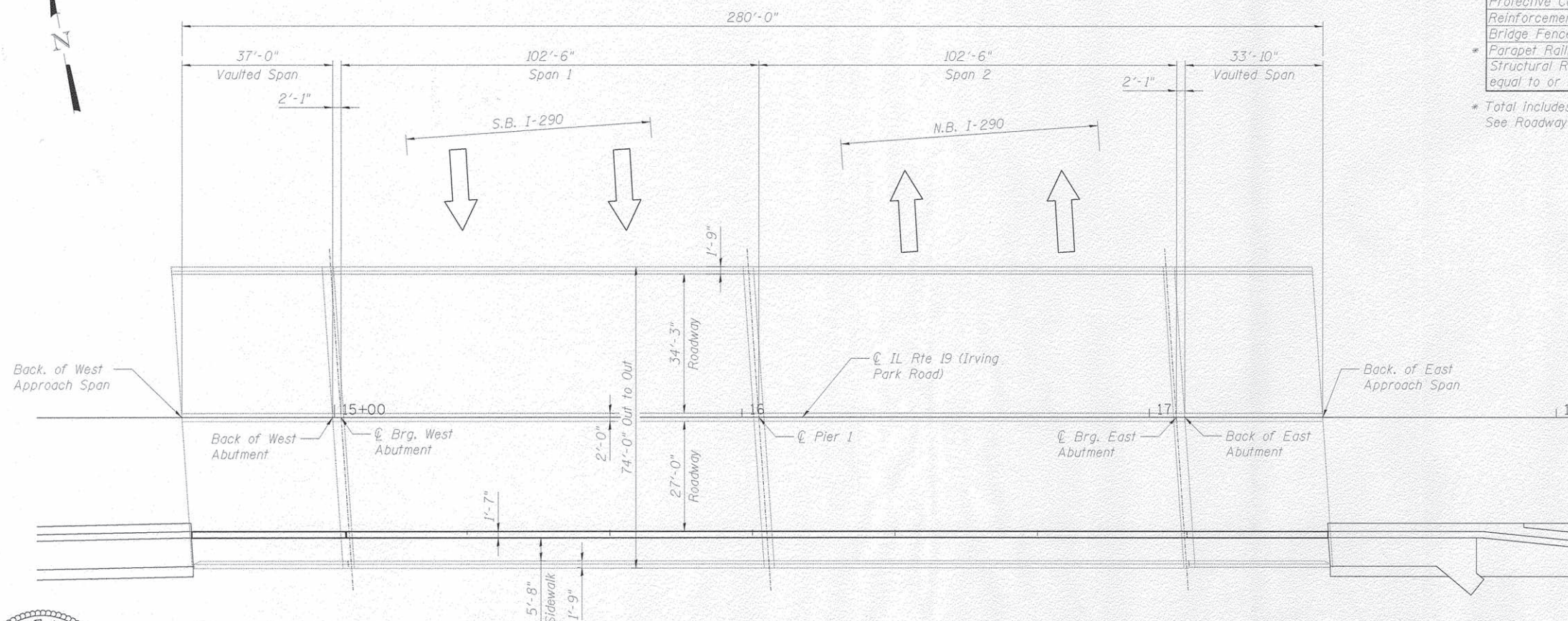
SCOPE OF WORK

Remove existing aluminum rail atop S. parapet and install Bridge Fence Railing on existing S. parapet.

Construct new parapet with parapet railing along south shoulder in EB lanes.



ELEVATION



PLAN



Signed *[Signature]*
Spiros Pantazis, S.E. Il. Lic. No. 081-006448
Expires 11-30-2016.
Date 5/20/16

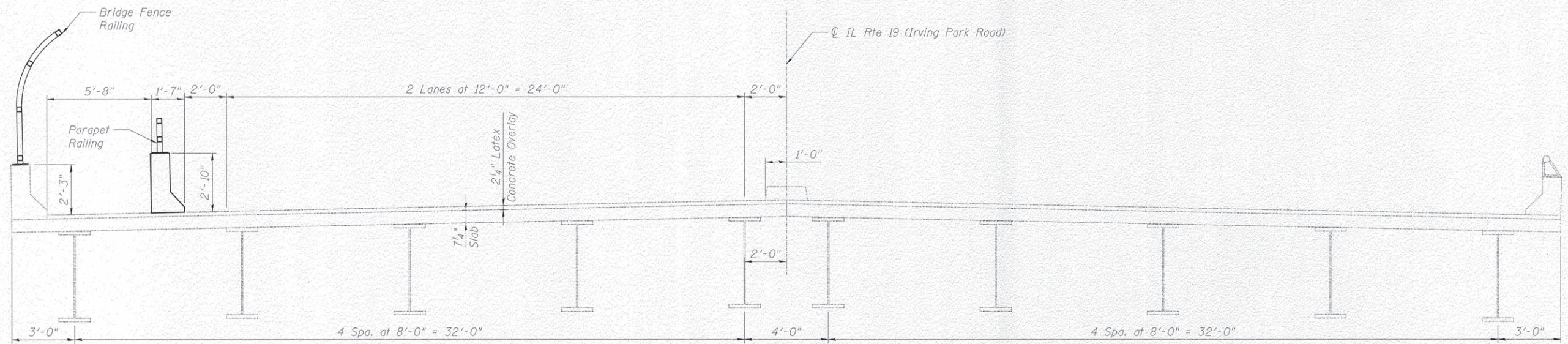
I certify that to the best of knowledge, information and belief, this bridge design is structurally adequate for the design loading as shown on the plans. The design is an economical one for the style of structure and complies with the requirements of the current AASHTO Standard Specifications for Highway Bridges.



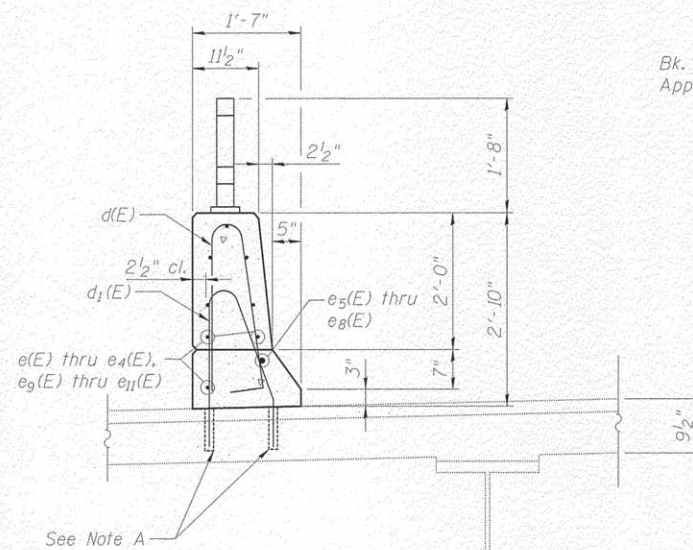
GENERAL PLAN AND ELEVATION
IL. ROUTE 19 (IRVING PARK ROAD)
OVER I-290
SECTION 10-00059-01-SP
DUPAGE COUNTY
STRUCTURE NO. 022-0091

FILE NAME = TYLININTERNATIONAL	USER NAME =	DESIGNED - SP	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	F.A.I. RTE. 1321	SECTION 10-00059-01-SP	COUNTY DUPAGE	TOTAL SHEETS 77	SHEET NO. 64
	CHECKED - PDF	REVISED			SHEET NO. OF SHEETS	CONTRACT NO. 61C82		ILLINOIS FED. AID PROJECT	
	DRAWN - SP	REVISED							
	CHECKED - PDF	REVISED							

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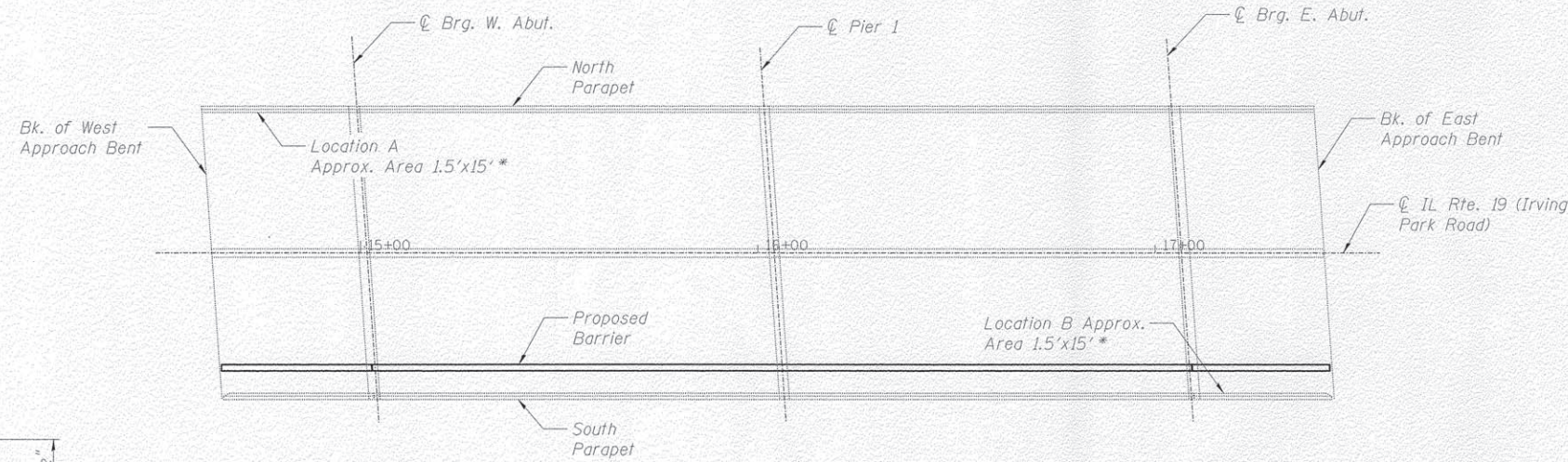


CROSS SECTION
(Looking West)

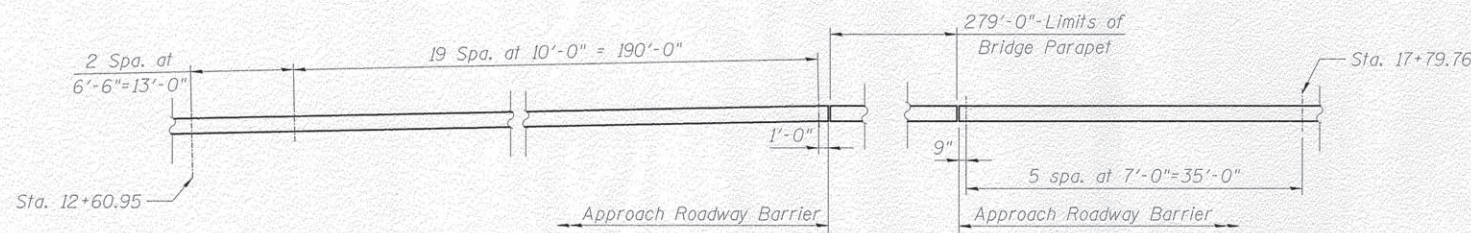


SECTION THRU PARAPET
(Steel main spans shown, detail similar in 36" PPC I-Beam Approach Spans)

Note A:
Core and set #5 d₁(E) bar according to Article 509.06 of the Standard Specifications. Cored holes shall be roughened or scored per manufacturer's recommendations. Maximum depth of hole shall not exceed 6". Cast included in Reinforcement Bars, Epoxy Coated.



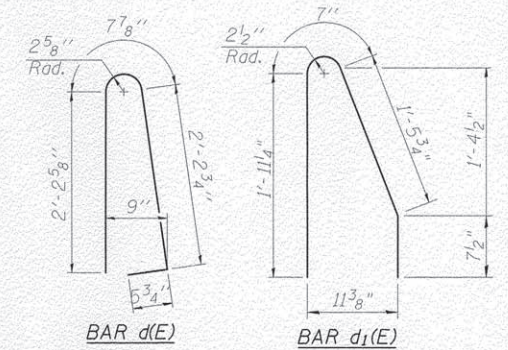
PLAN - LOCATIONS OF EXISTING PARAPET REPAIRS



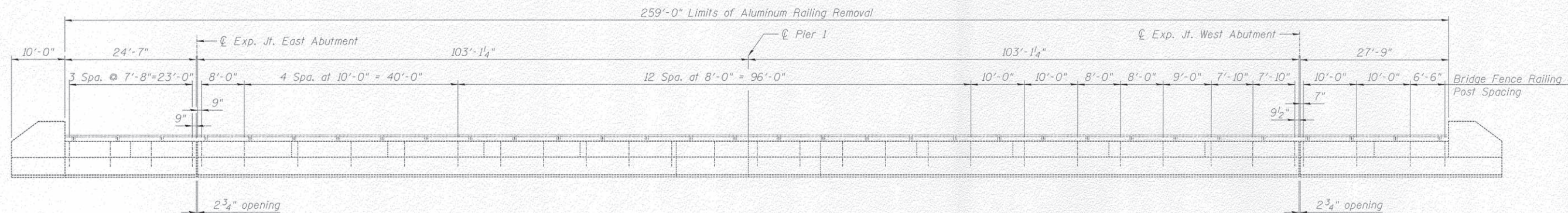
PLAN - PARAPET RAILING SPACING ON APPROACH ROADWAY

BILL OF MATERIAL

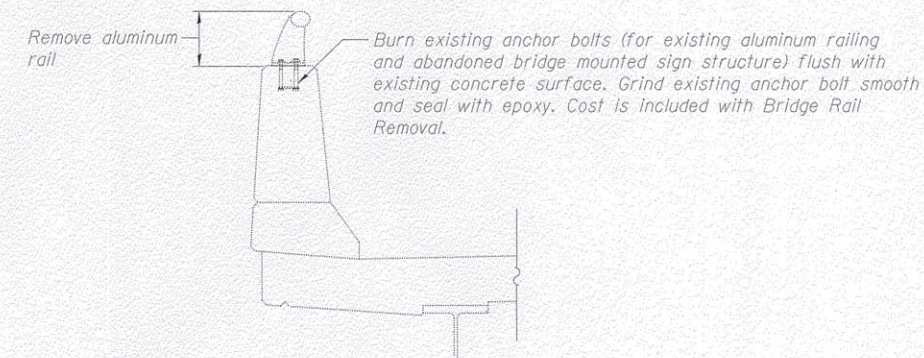
Bar	No.	Size	Length	Shape
d(E)	305	#5	5'-7"	U
d ₁ (E)	305	#5	4'-7 1/2"	U
e(E)	70	#4	16'-9"	—
e ₁ (E)	16	#4	17'-8"	—
e ₂ (E)	7	#4	14'-3"	—
e ₃ (E)	14	#4	19'-8"	—
e ₄ (E)	7	#4	17'-5"	—
e ₅ (E)	8	#8	25'-9"	—
e ₆ (E)	2	#8	17'-8"	—
e ₇ (E)	1	#8	34'-3"	—
e ₈ (E)	1	#8	37'-5"	—
e ₉ (E)	8	#4	23'-4"	—
e ₁₀ (E)	1	#4	34'-3"	—
e ₁₁ (E)	1	#4	37'-5"	—
Concrete Superstructure			Cu. Yd.	34.4
Reinforcement Bars, Epoxy Coated			Pound	5580



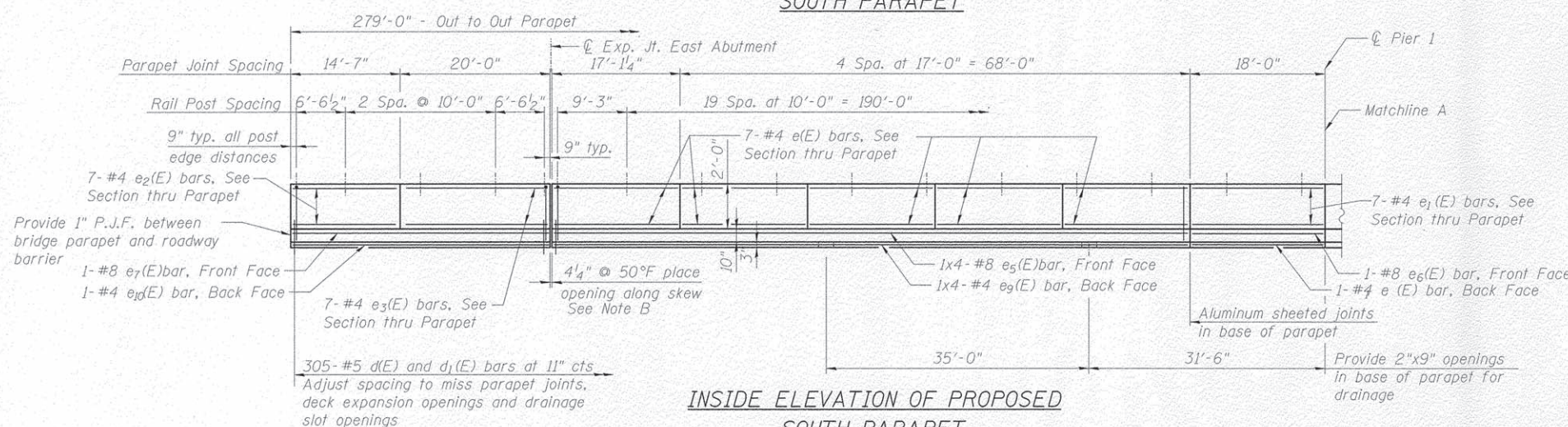
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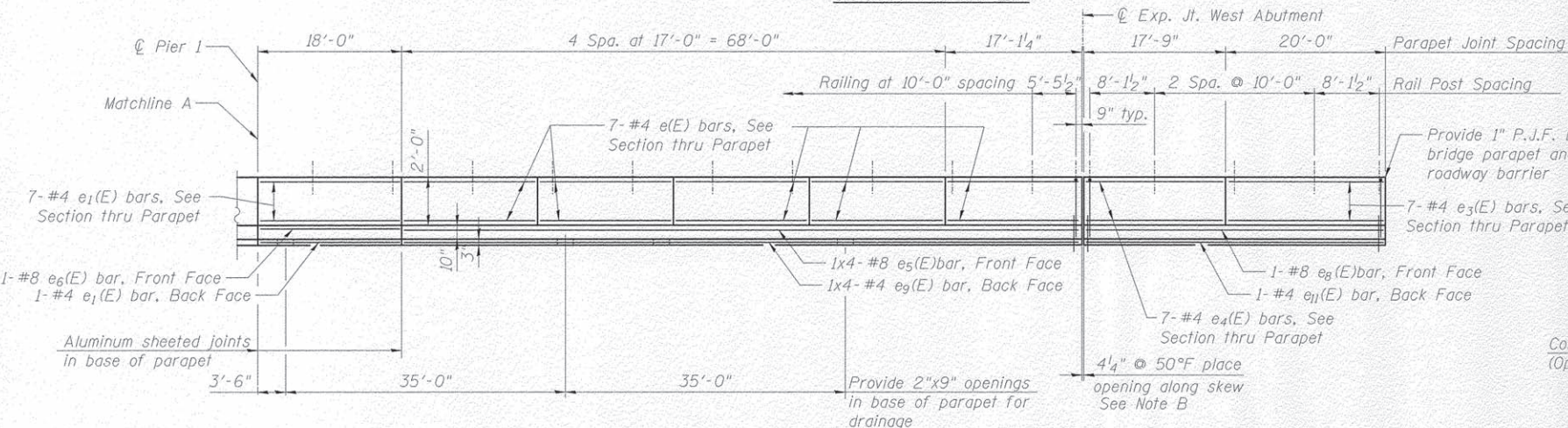
INSIDE ELEVATION OF EXISTING SOUTH PARAPET



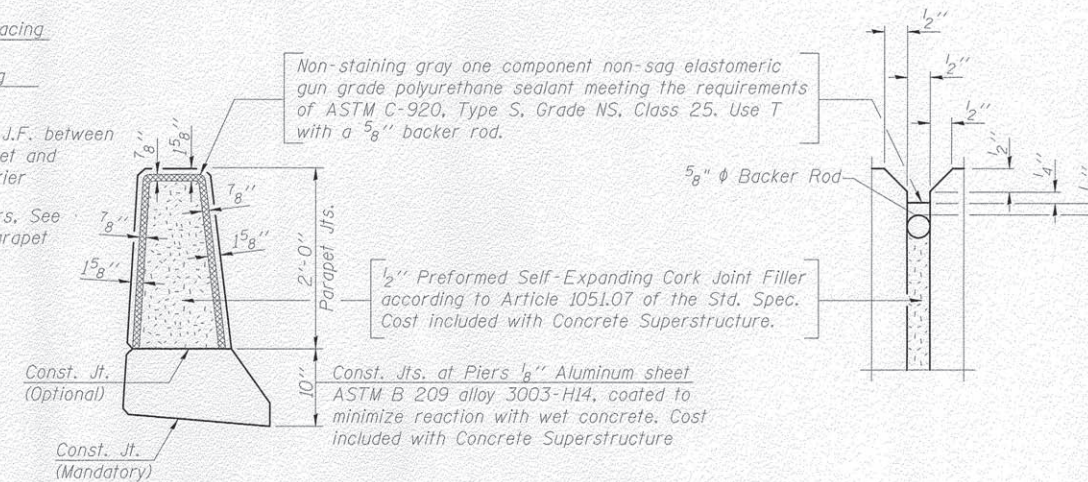
REMOVAL DETAILS SECTION EXISTING SOUTH PARAPET



INSIDE ELEVATION OF PROPOSED SOUTH PARAPET



INSIDE ELEVATION OF PROPOSED SOUTH PARAPET



PARAPET JOINT DETAILS

MINIMUM BAR LAP
(Parapet)
#4 bar = 2'-8"
#8 bar = 5'-11"

Note B:
Provide gap in parapet to clear expansion joint steel plates.

FILE NAME =
TYLIN INTERNATIONAL

USER NAME =	DESIGNED - SP	REVISED
	CHECKED - PDF	REVISED
PLOT SCALE =	DRAWN - SP	REVISED
PLOT DATE =	CHECKED - PDF	REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

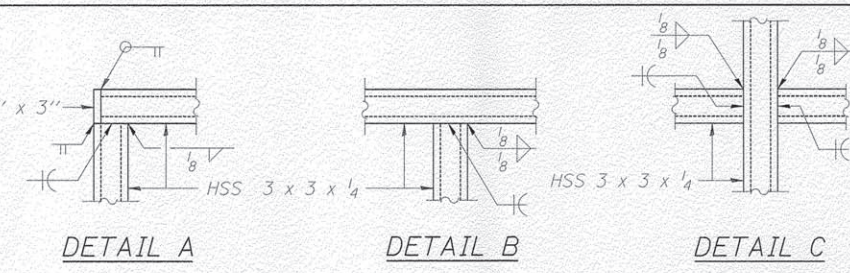
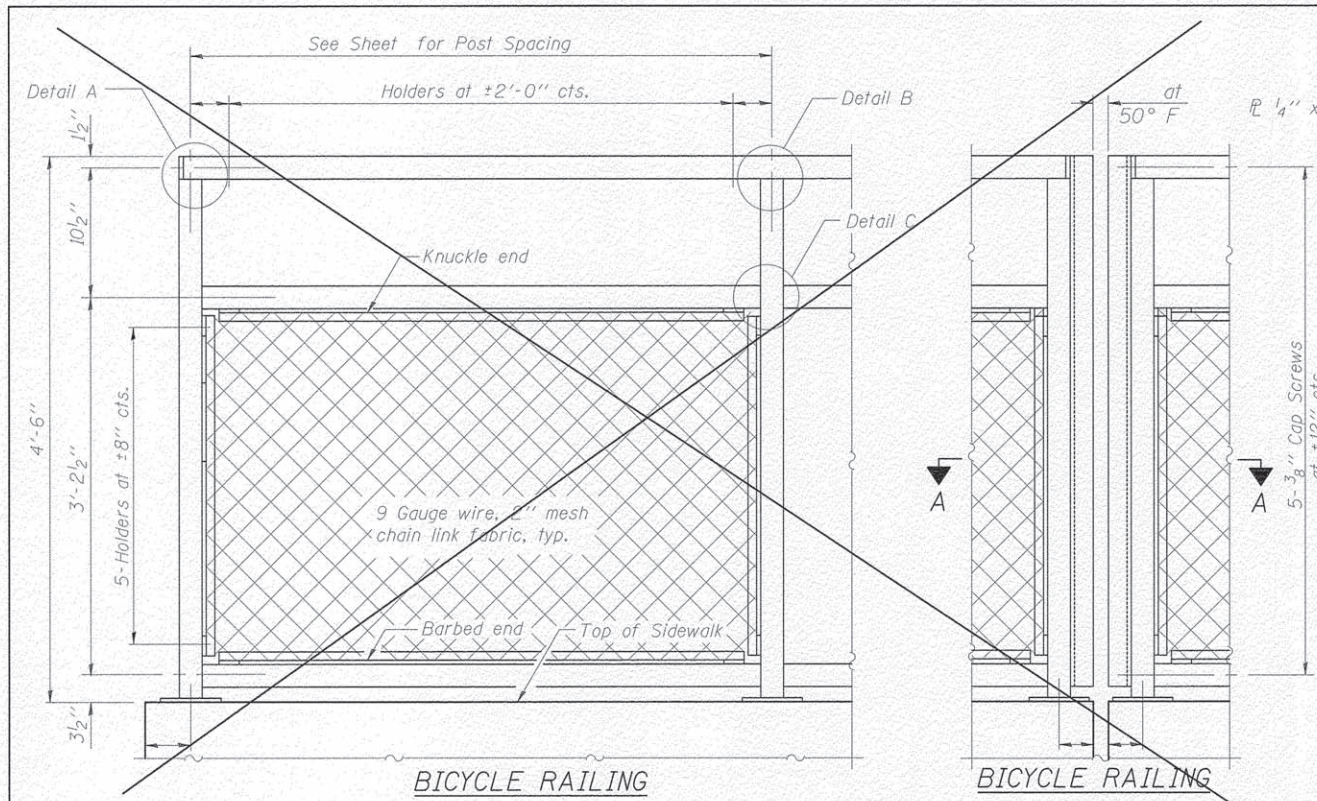
VILLAGE OF ITASCA PEDESTRIAN IMPROVEMENTS
STRUCTURE NO. 022-0091 - PARAPET ELEVATIONS

SHEET NO. S-3 OF S-5 SHEETS

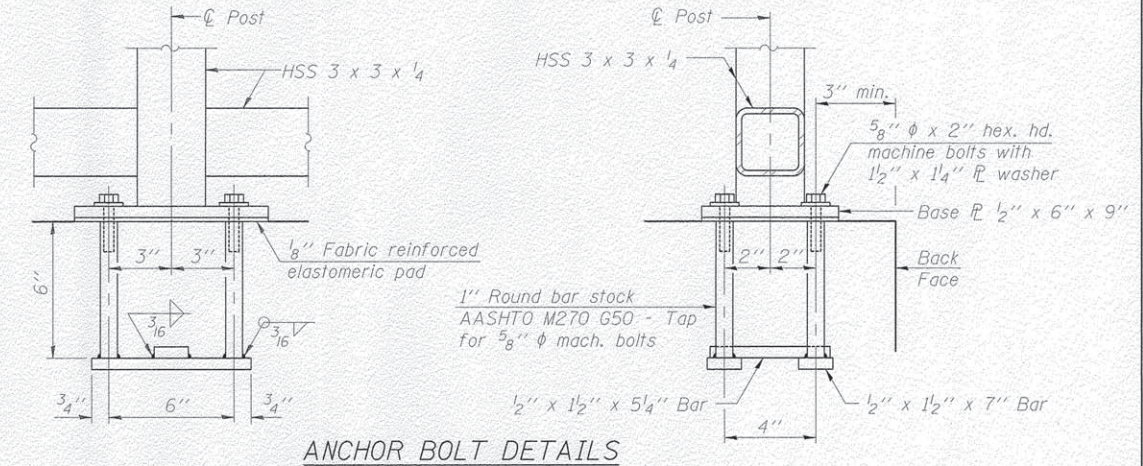
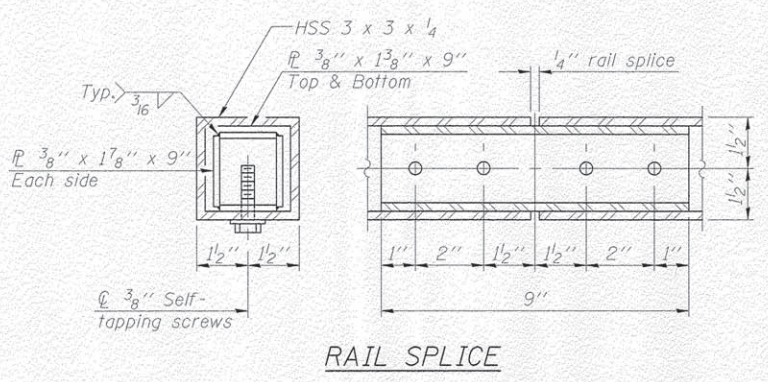
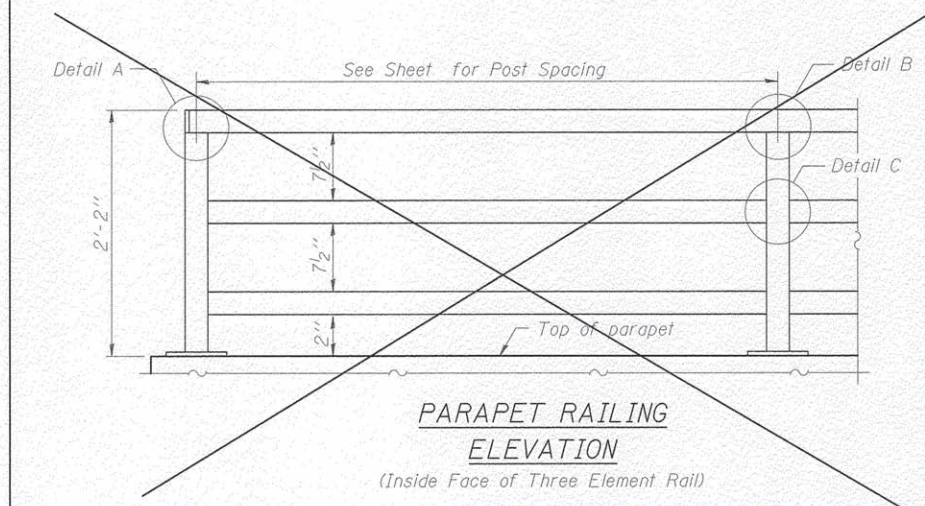
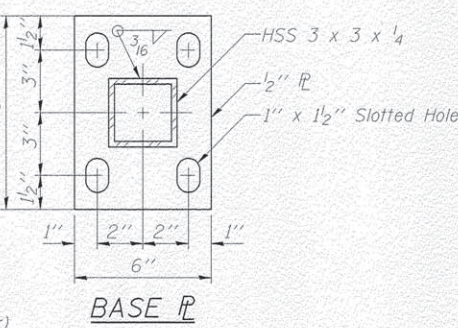
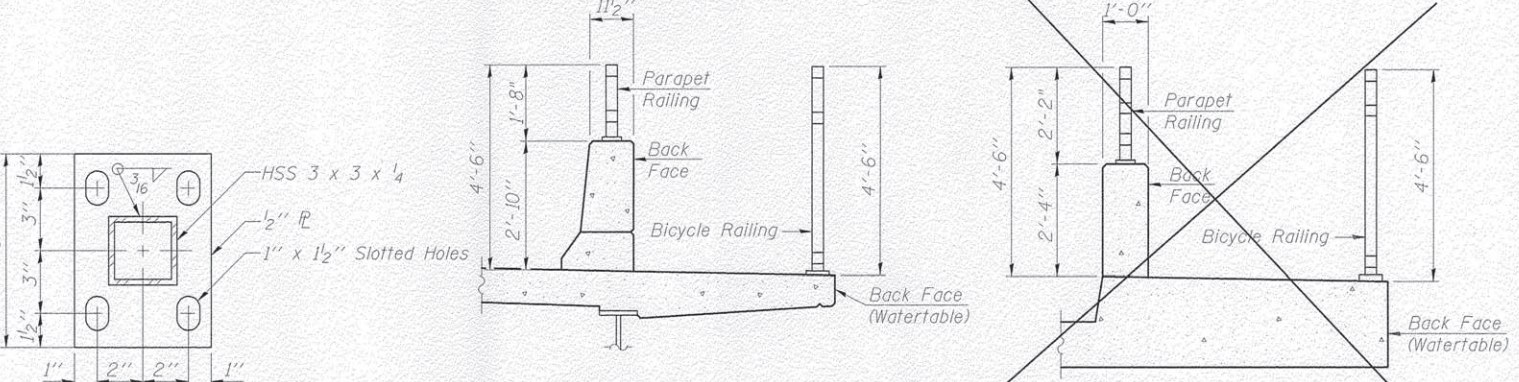
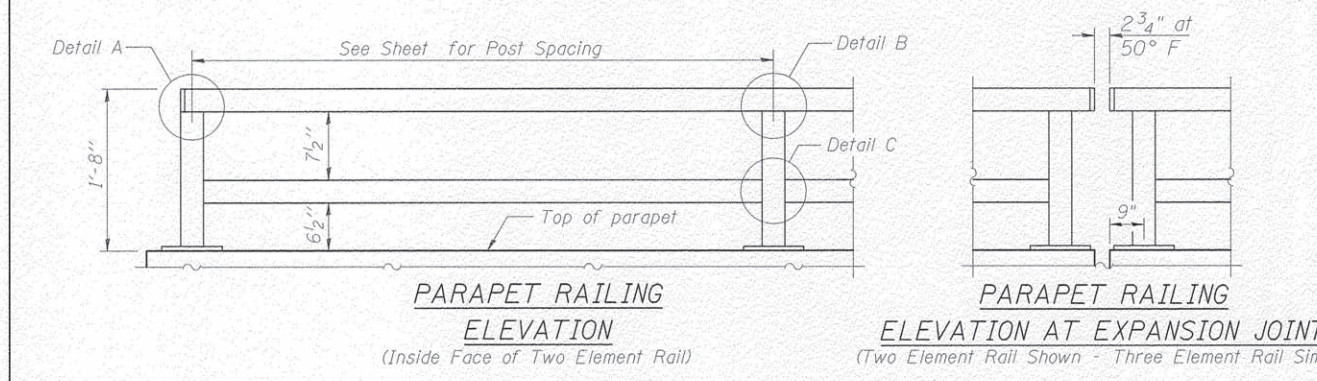
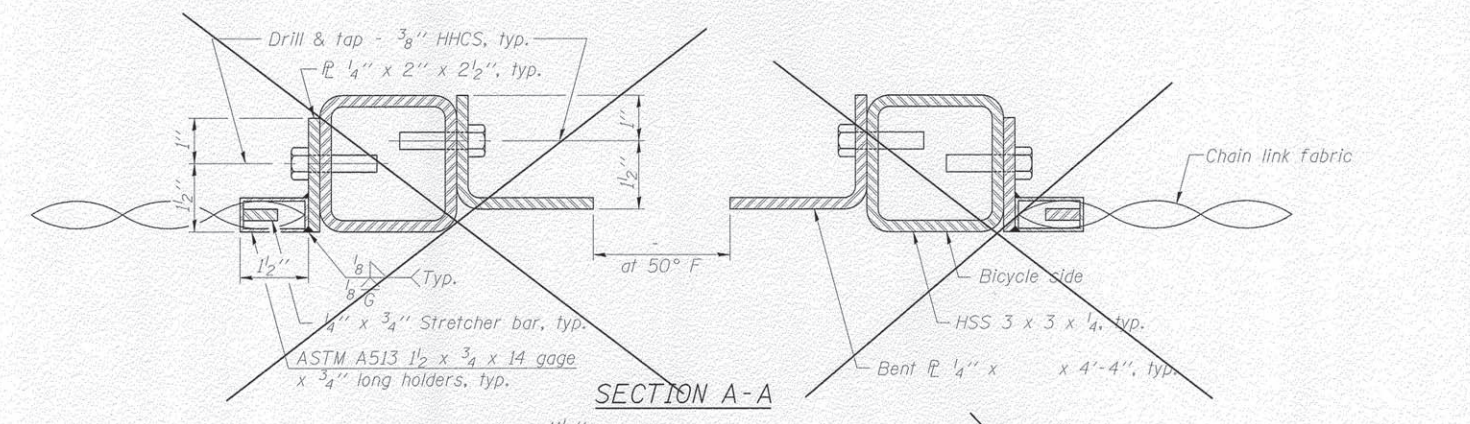
F.A.U. RTE. 1321	SECTION 10-00059-01-SP	COUNTY DUPAGE	TOTAL SHEETS 77	SHEET NO. 66
				CONTRACT NO. 61C82

ILLINOIS FED. AID PROJECT

40459 FM



All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.



ANCHOR BOLT DETAILS
In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting 5/8" phi anchor rods according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.

BILL OF MATERIAL

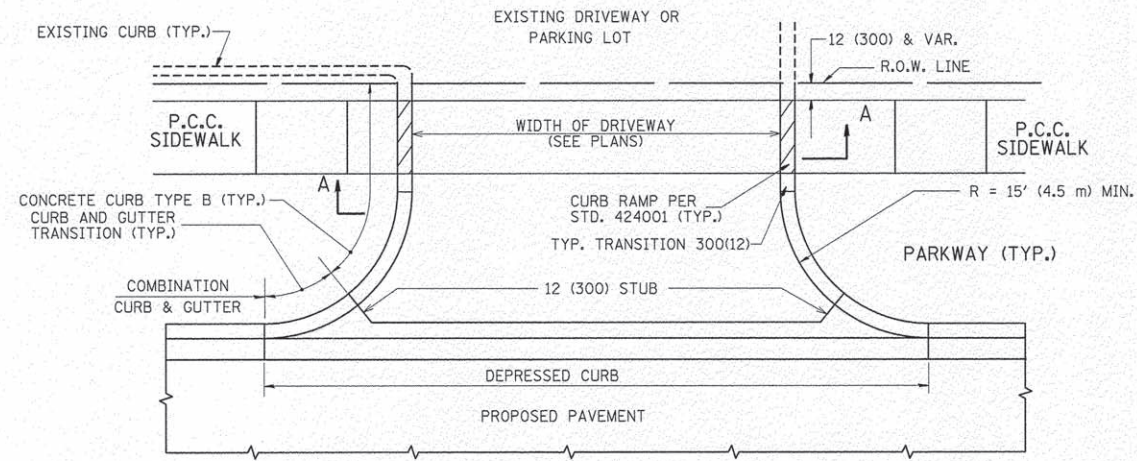
Item	Unit	Quantity
Parapet Railing	Foot	519

(Total includes quantity on approach roadway barrier, see Roadway Plans.)

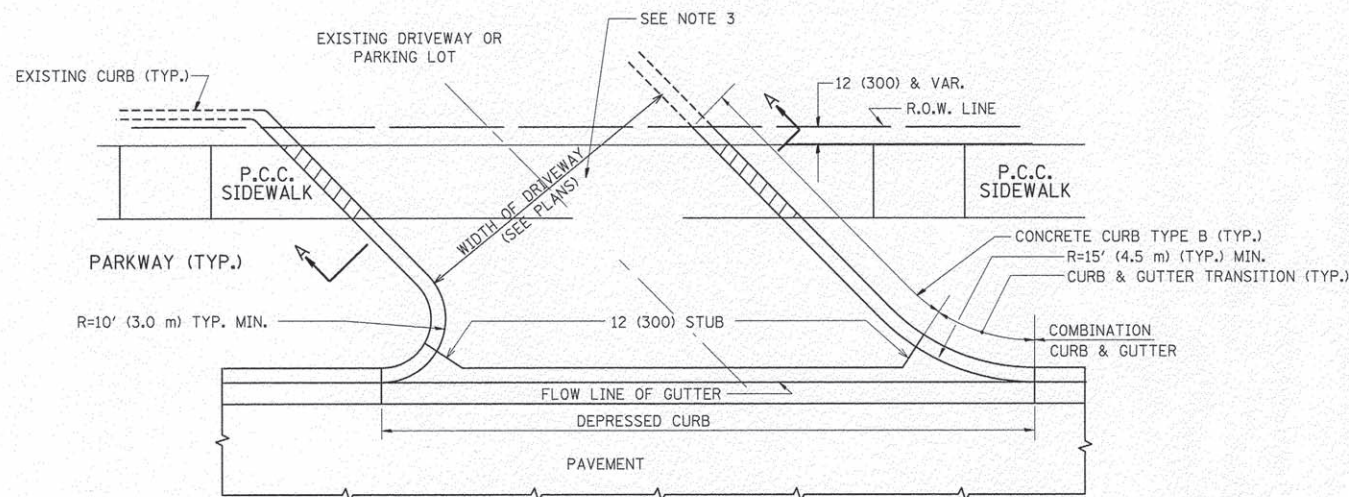
R-29 1-12-15 (10'-0" Maximum Post Spacing)

FILE NAME = TYLIN INTERNATIONAL	USER NAME =	DESIGNED - SP	REVISIONS	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	VILLAGE OF ITASCA PEDESTRIAN IMPROVEMENTS STRUCTURE NO. 022-0091 - BICYCLE RAILING	F.A.U. R.T.E. = 1321	SECTION = 10-00059-01-SP	COUNTY = DUPAGE	TOTAL SHEETS = 77	SHEET NO. = 68	
	PLOT SCALE =	CHECKED - PDF	REVISIONS			SHEET NO. OF SHEETS	CONTRACT NO. 61C82	ILLINOIS FED. AID PROJECT			
	PLOT DATE =	DRAWN - SP	REVISIONS								
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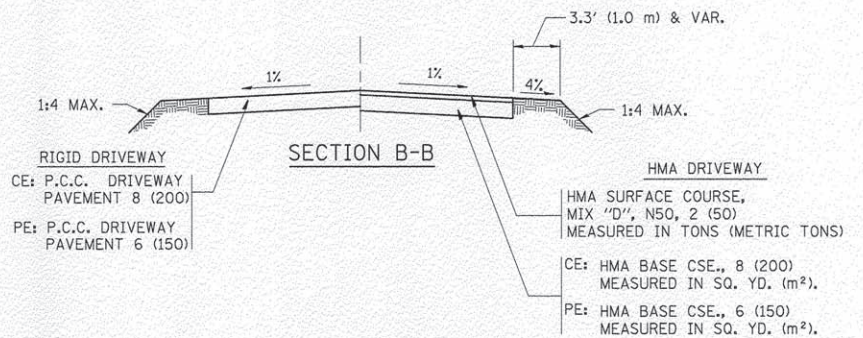
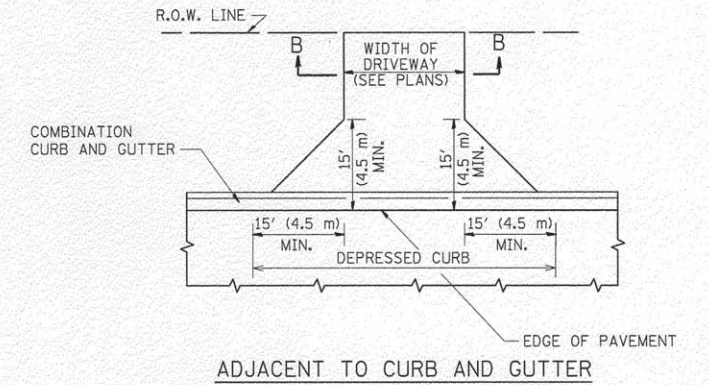
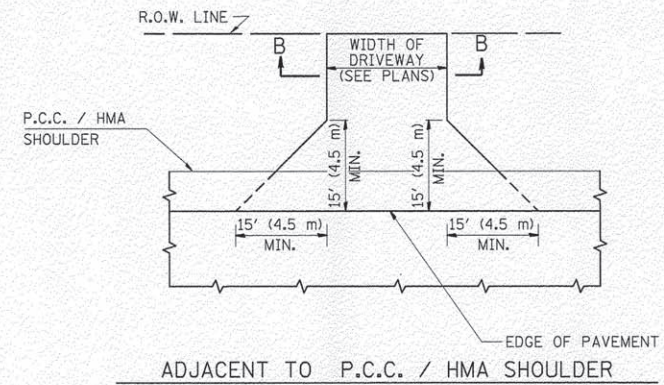
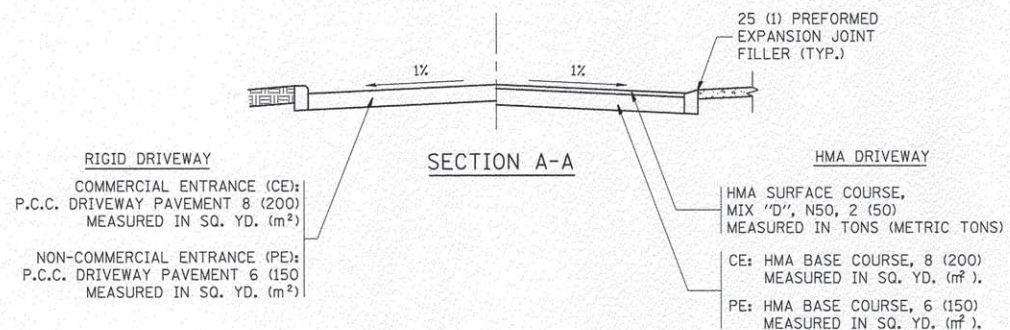
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WITH CONCRETE CURB, TYPE B



WITH CONCRETE CURB, TYPE B



RURAL FIELD ENTRANCE (FE)

HMA SURFACE COURSE, MIX "D", N50, 2 (50) MEASURED IN TONS (METRIC TONS)

AGGREGATE BASE CSE., TYPE B, 8 (200) MEASURED IN SQ. YD. (m²).

GENERAL NOTES:

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

FILE NAME =	USER NAME = lleyso	DESIGNED - R. SHAH	REVISED - P. LofLUER 04-15-03	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
cc:\pw\work\p1dot\lleyso\d0108315\bd01.dwg	PLOT SCALE = 50.0000' / 1"	DRAWN -	REVISED - R. BORO 01-01-07			1321	10-00059-01-SP	DUPAGE	77	69
PLOT DATE = 9/6/2011	CHECKED -	REVISED - R. BORO 06-11-08	BD0156-07 (BD-01)			CONTRACT NO. 61C82				
	DATE - 11-04-95	REVISED - R. BORO 09-06-11	SCALE: NONE			SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		