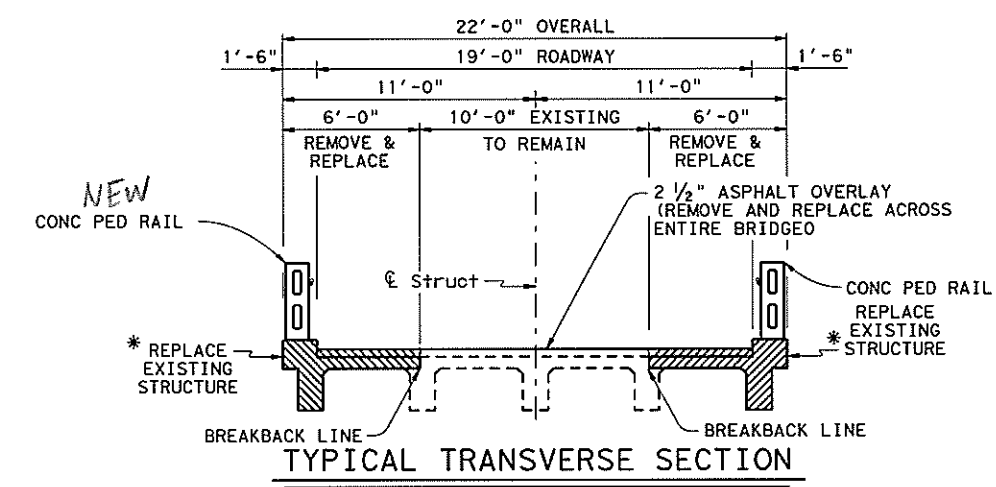
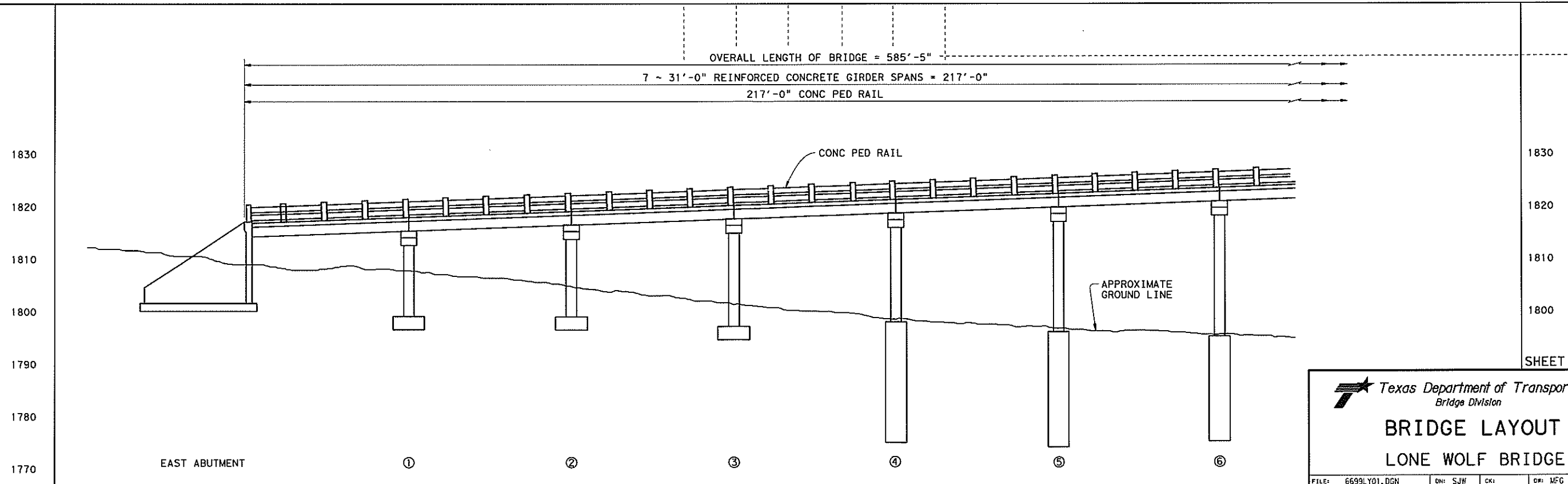


PLAN

*Remove cross-hatched portion of Exist Structure to Breakback Line and replace with new materials as shown elsewhere in plans.



TYPICAL TRANSVERSE SECTION



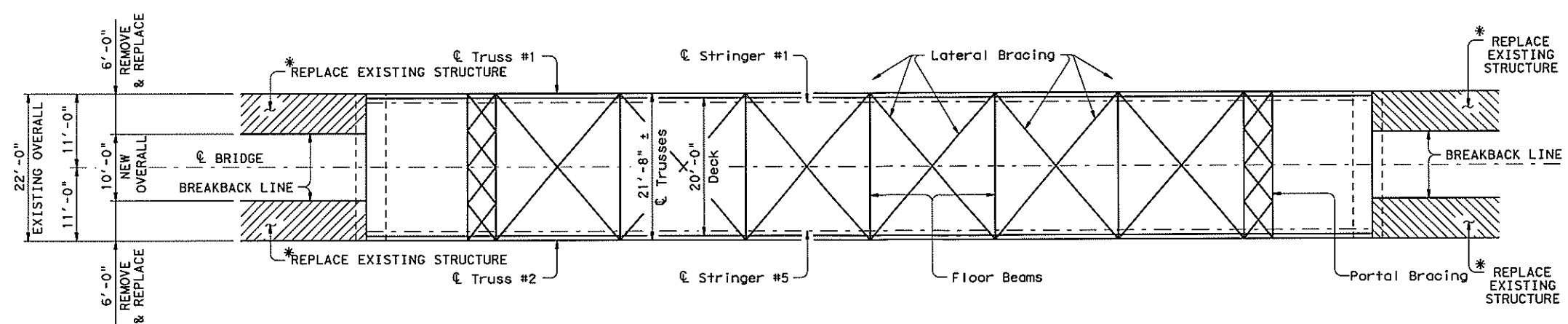
ELEVATION

LEVELS DISPLAYED
 PATH:
 1 2 3 4 5 16 17 18 19 10111 21 31 41 51 6
 71 81 9202 12 23 34 45 56 67 78 89 90 10
 11 12 13 14 15 16 17 18 19 20 21 22 23
 24 25 26 27 28 29 30 31 32 33 34 35
 36 37 38 39 40 41 42 43 44 45 46 47
 48 49 50 51 52 53 54 55 56 57 58 59
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 96 97 98 99 100

Texas Department of Transportation
 Bridge Division

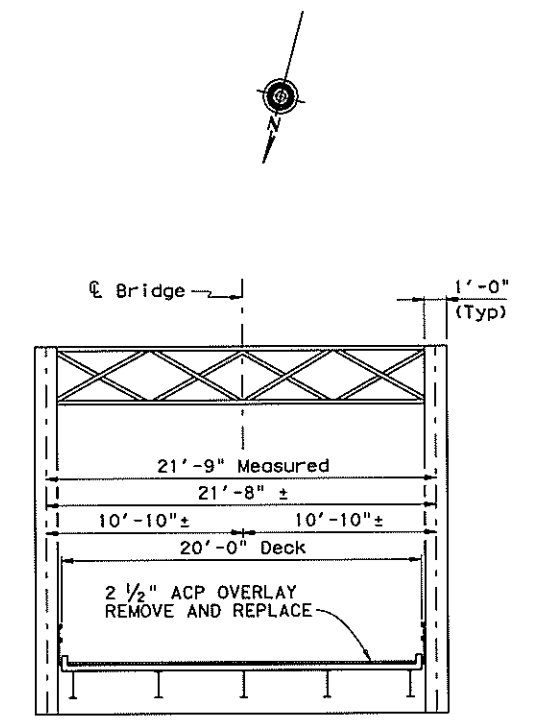
BRIDGE LAYOUT LONE WOLF BRIDGE

FILE: 6699LY01.DGN	DN: SJW	CK:	DR: MFG	CR: SJW
© TXDOT	JUNE 2006	DISTRICT	FEDERAL AID PROJECT	SHEET
REVISIONS		07		
COUNTY	CONTROL	SECT	JOB	HIGHWAY
TOM GREEN	0907	24	028	

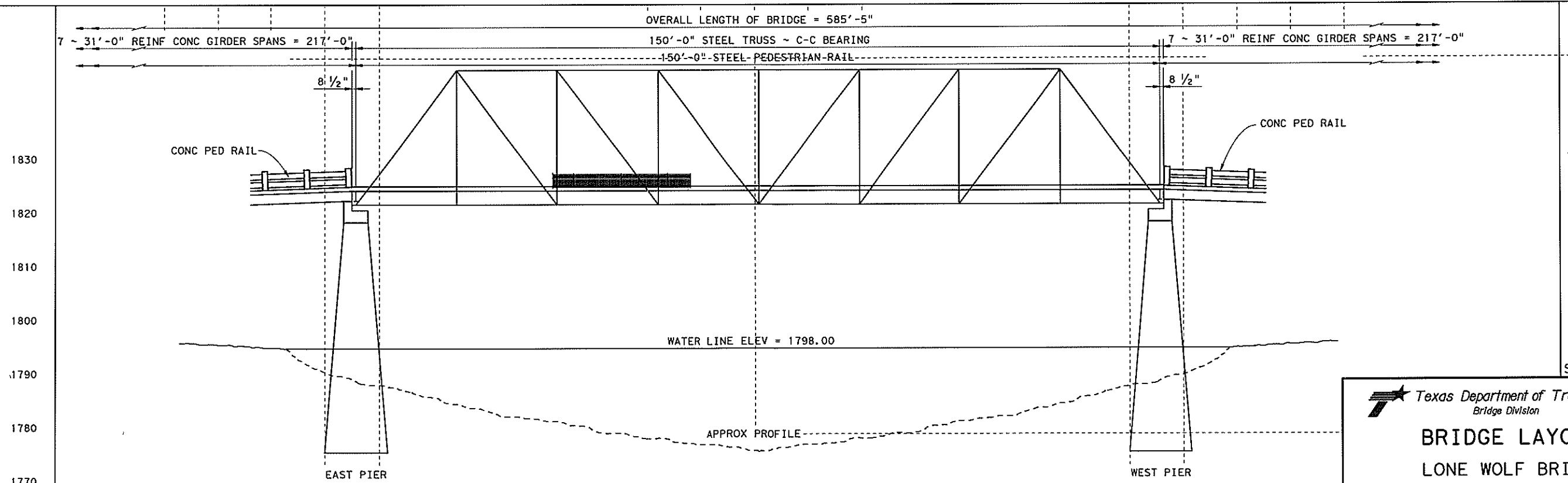


PLAN

*Remove cross-hatched portion of Exist Structure to Breakback Line and replace with new materials as shown elsewhere in plans.



TYPICAL TRANSVERSE SECTION



ELEVATION

LEVELS DISPLAYED

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
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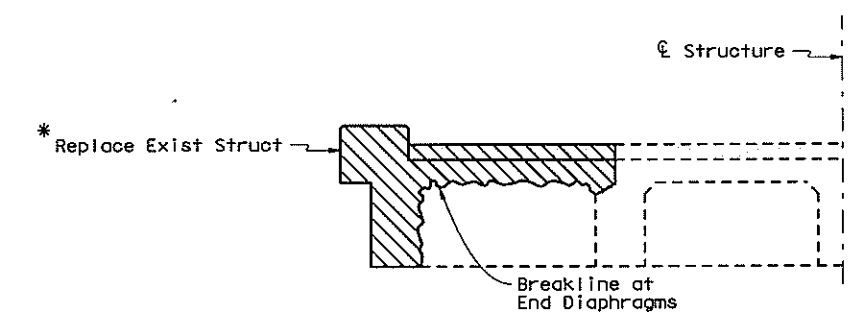
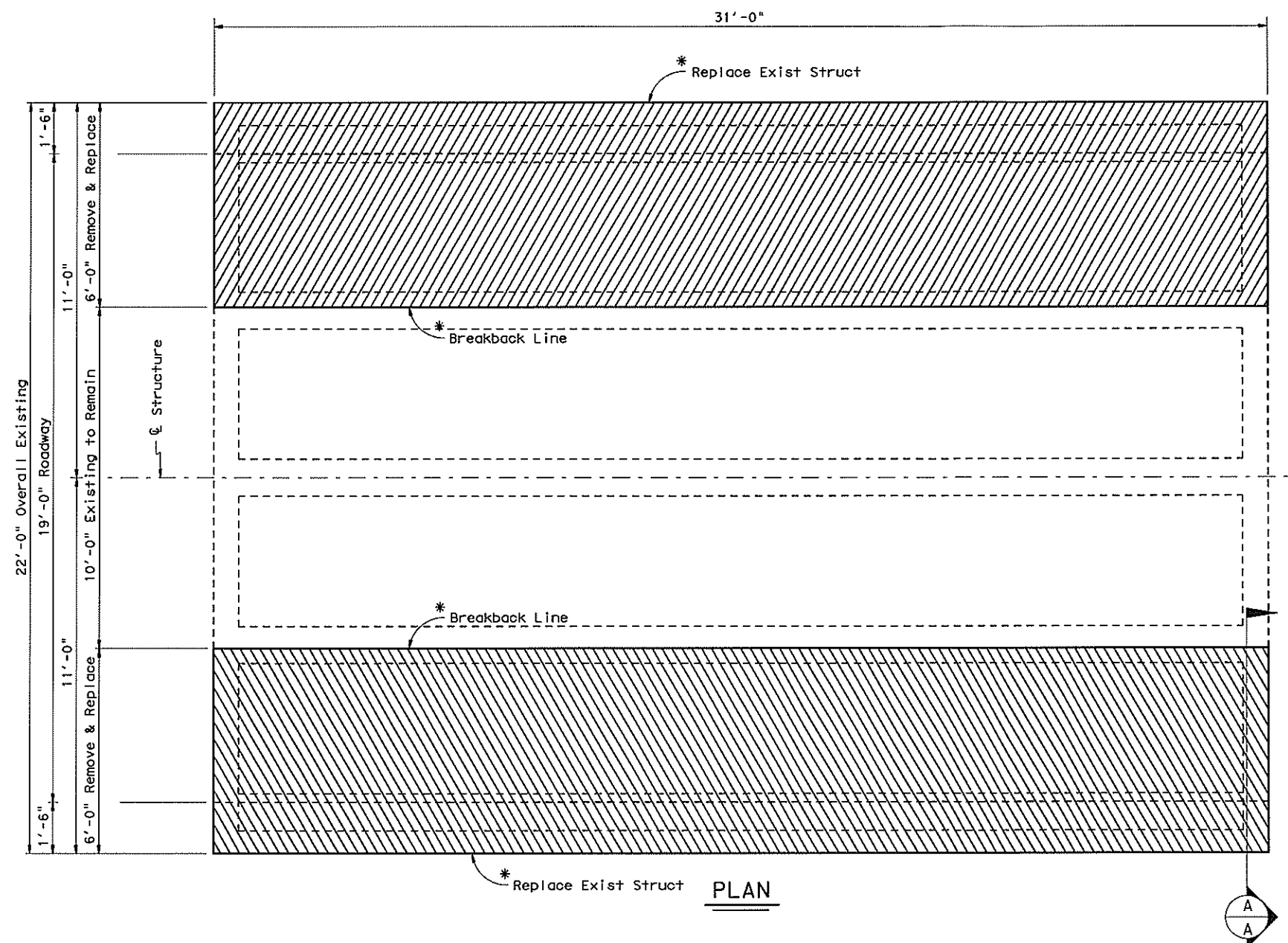
SHEET 2 OF 3

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Bridge Division

BRIDGE LAYOUT

LONE WOLF BRIDGE

FILE: 6699LY01.DGN	DN: SJW	CK: MFG	CK: SJW
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REVISIONS		COUNTY	CONTROL SECT JOB HIGHWAY
		TOM GREEN	0907 24 028

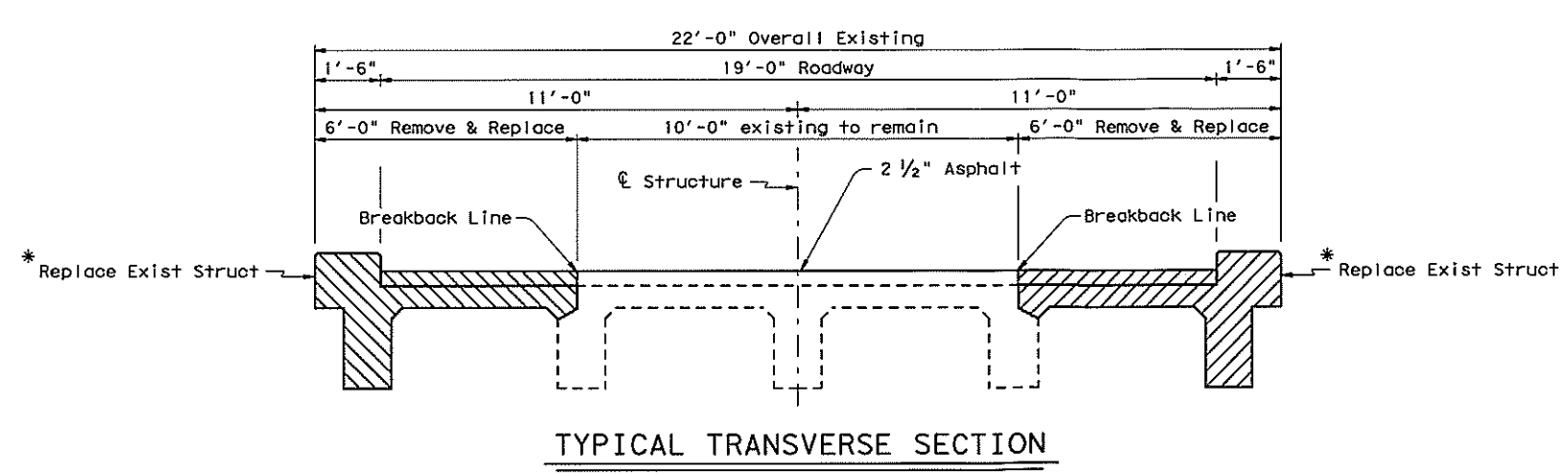


NOTE
 Care shall be taken not to damage end diaphragms when removing exterior beams. Clean and bend existing reinforcement into new concrete.

SECTION A-A

* Remove and replace portion of Existing Structure to Breakback Line. Clean and straighten Existing Reinforcing a minimum of 1'-0" into new construction

NOTE
 Remove existing concrete to the breakback line shown. After removing the asphalt overlay, the breakback line shall be saw cut (scored) to a depth of 1". After scoring, remove existing concrete to the breakback line shown, leaving concrete surface below the sawcut line intentionally roughened. The contractor shall be responsible for making sure all debris is captured and removed. Care shall be taken so that existing reinforcement extending from the portion of the existing structure to remain is not damaged. Clean and bend this existing, exposed reinforcement a minimum of 1' into new construction. Clean the remaining portion of all joints and resal as needed, in accordance with Item 438, "Cleaning and Sealing Joints and Cracks."



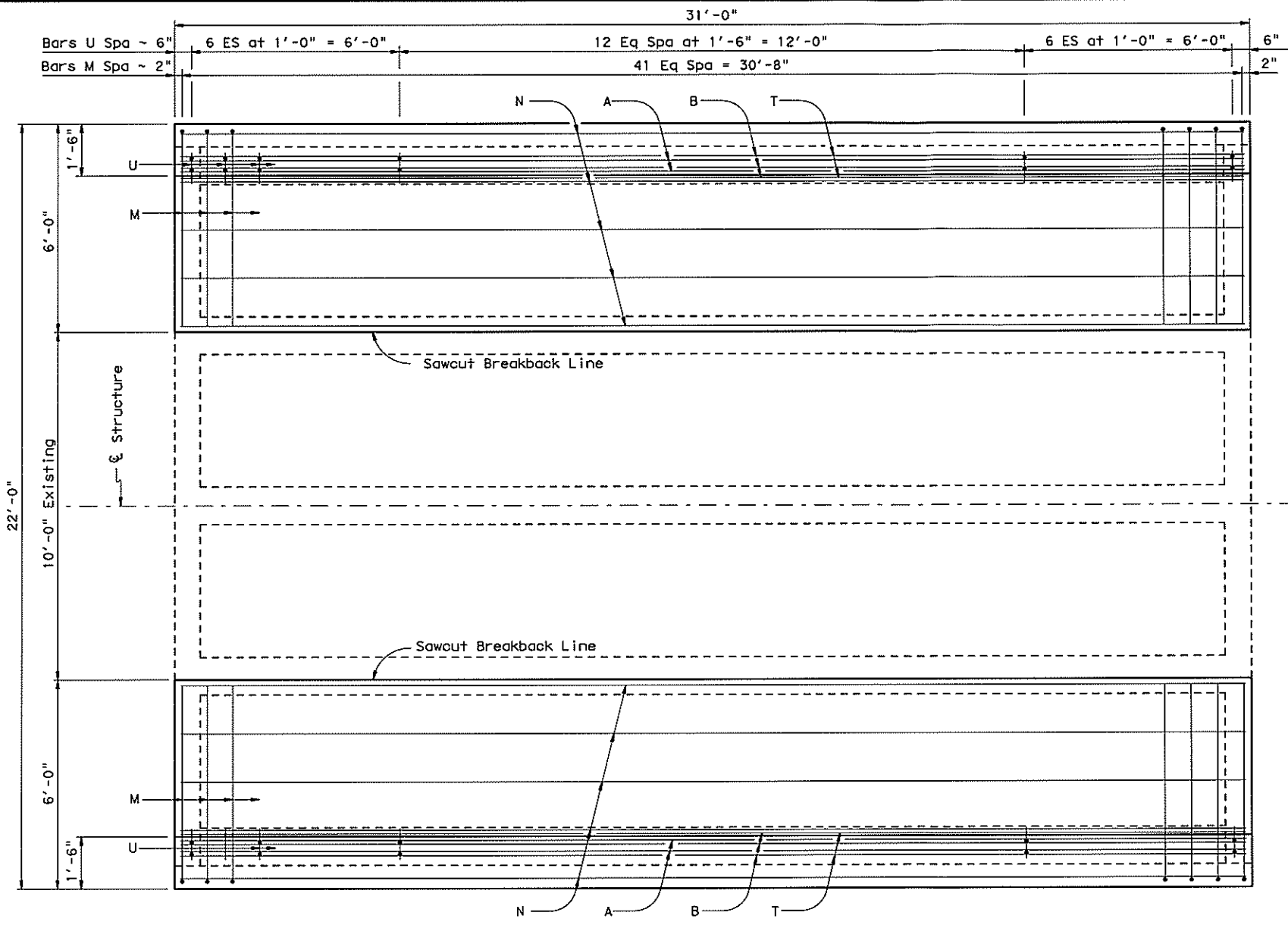
P.E. SEAL
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 Bridge Division

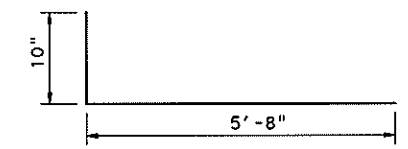
31'-0" REINFORCED CONCRETE GIRDER SPAN

LONE WOLF BRIDGE

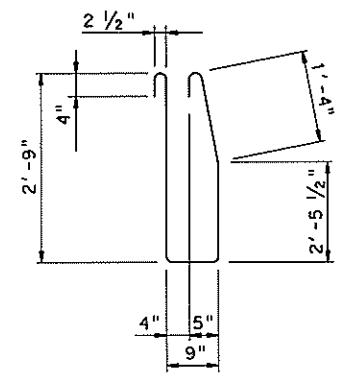
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REVISIONS		07							
	COUNTY	CONTROL	SECT	JOB	HIGHWAY				
	TOM GREEN	0907	24	028					



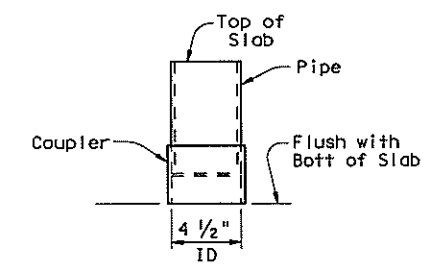
PLAN



BARS M



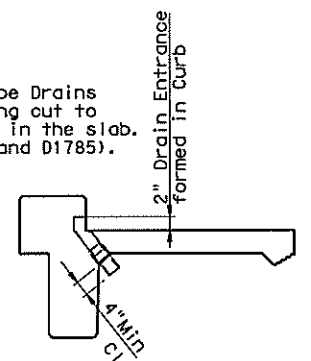
BARS U



C.I.P. DRAIN DETAIL

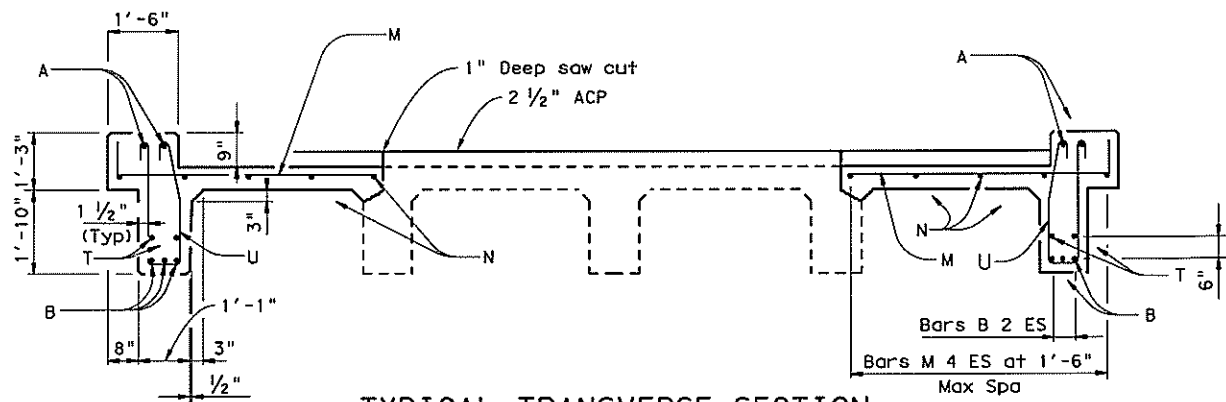
NOTE: Roughen outside of PVC with coarse rasp or equal to ensure bond with cast-in-place concrete.

4" Dia (Sched 40) PVC Pipe Drains solvent welded to coupler out to required length and cast in the slab. (Conforms to ASTM D2466 and D1785).



DRAIN DETAILS

NOTE: All drain pipe and fittings to be 4" diameter (Sch 40) PVC. Bend reinforcing steel to clear PVC 1". Drain length and location shall be as directed by the Engineer. No drains shall be permitted 10'-0" of Bent Caps. Variations of the above designs, as required for the type of rail used and its location on the structure, shall be installed with the approval and direction of the Engineer. No water shall be discharged onto girders.



TYPICAL TRANSVERSE SECTION

① TABLE OF ESTIMATED QUANTITIES

Bar	No.	Size	Length	Weight	
A	4	# 4	30' - 8"	82	
B	6	# 9	30' - 8"	626	
M	82	# 4	6' - 5"	351	
N	10	# 4	30' - 8"	205	
T	4	# 5	30' - 8"	128	
U	50	# 4	8' - 0"	267	
Reinforcing Steel				Lb	1659
Class "C" Concrete				CY	14.4

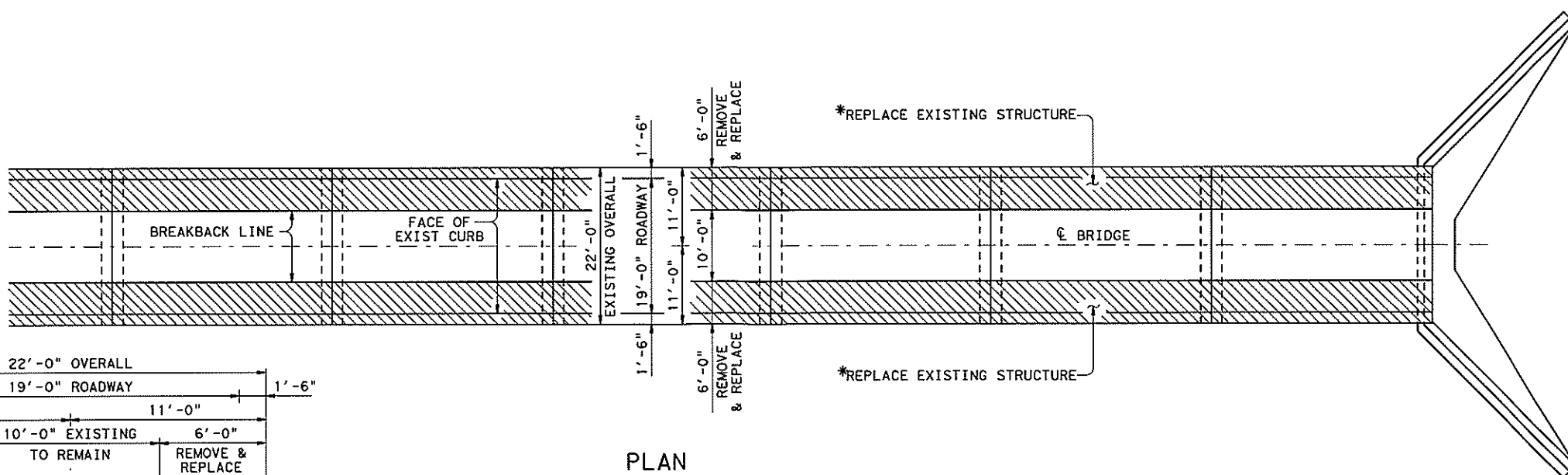
31'-0" REINFORCED CONCRETE GIRDER SPAN

LONE WOLF BRIDGE

FILE: 6699TB01.DGN	DW: SJW	CK:	DM: MFG	CK: SJW
© TXDOT	JUNE 2006	DISTRICT	FEDERAL AID PROJECT	SHEET
REVISIONS		07		
	COUNTY	CONTROL SECT	JOB	HIGHWAY
	TOM GREEN	0907	24	028

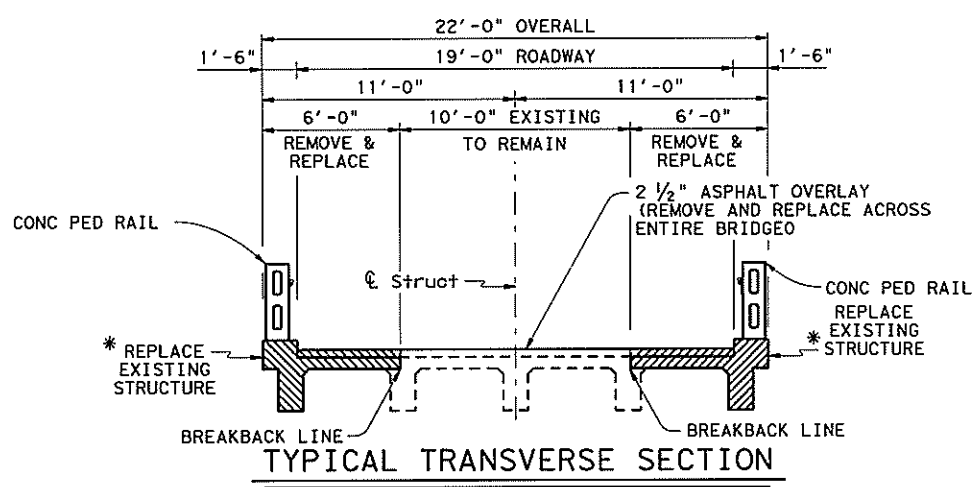
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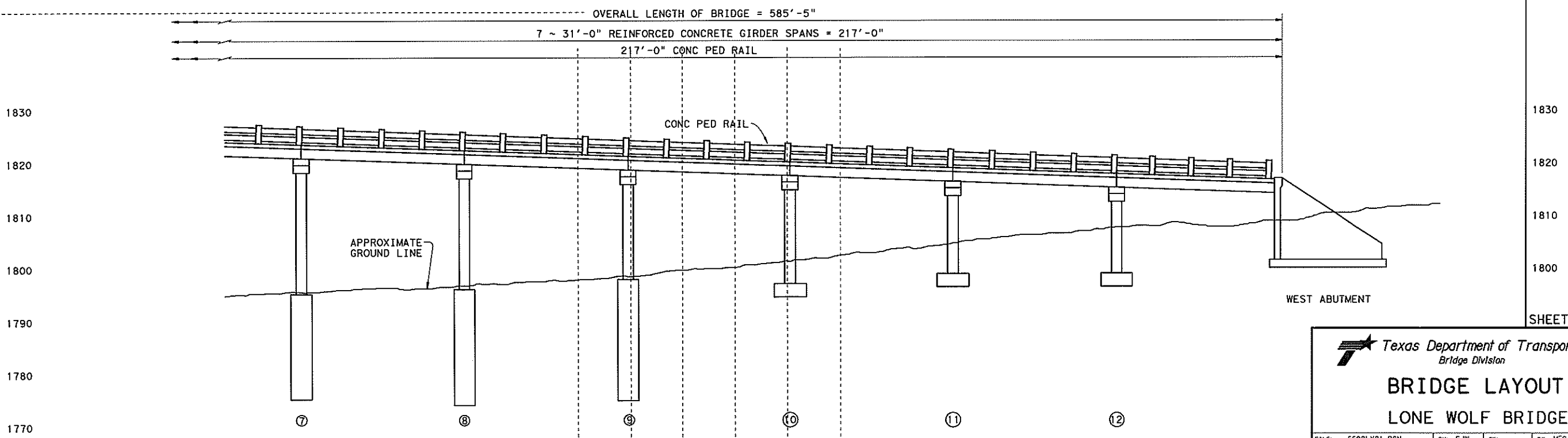


PLAN

*Remove cross-hatched portion of Exist Structure to Breakback Line and replace with new materials as shown elsewhere in plans.



TYPICAL TRANSVERSE SECTION



ELEVATION

LEVELS DISPLAYED

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
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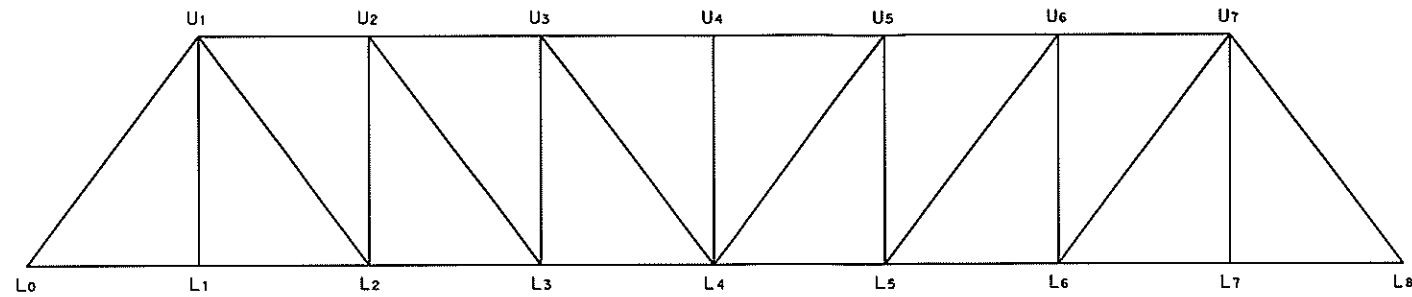
SHEET 3 OF 3

Texas Department of Transportation
Bridges Division

BRIDGE LAYOUT

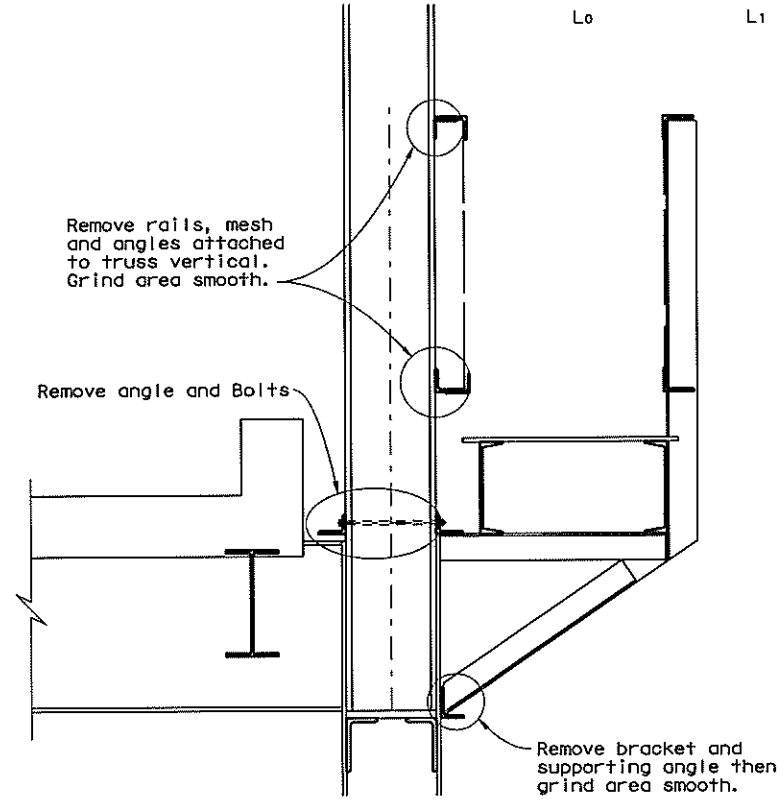
LONE WOLF BRIDGE

FILE: 6699LY01.DGN	DN: SJW	CK: MFG	CK: SJW
© TxDOT JUNE 2006	DISTRICT: 07	FEDERAL AID PROJECT	
REVISIONS			
07			
COUNTY: TOM GREEN	CONTROL: 0907	SECT: 24	JOB: 028

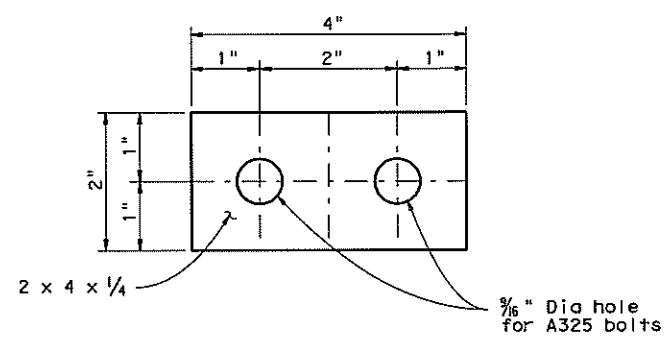


SCHEMATIC OF TRUSS SPAN

TABLE OF STEEL MEMBERS		
END POSTS	L ₀ - U ₁ , L ₈ - U ₇	2 x C12 x 25 & R 18 x 3/8
TOP CHORDS	ALL	2 x C12 x 25 & R 18 x 3/8
BOTTOM CHORDS	L ₀ - L ₁ , L ₁ - L ₂	2 ~ L6 x 4 x 3/8
BOTTOM CHORDS	L ₂ - L ₃	2 ~ L6 x 4 x 3/4 & R 10 x 3/8
	L ₃ - L ₄ , L ₄ - L ₅	2 ~ L6 x 4 x 3/4 & R 10 x 3/4
	L ₅ - L ₆	2 ~ L6 x 4 x 3/4 & R 10 x 3/8
	L ₆ - L ₇ , L ₇ - L ₈	2 ~ L6 x 4 x 3/8
DIAGONALS	U ₁ - L ₂	2 ~ L6 x 4 x 5/8
	U ₂ - L ₃	2 ~ L6 x 4 x 3/8
	U ₃ - L ₄ , U ₅ - L ₄	2 ~ L6 x 4 x 5/8
	U ₆ - L ₅	2 ~ L6 x 4 x 3/8
	U ₇ - L ₆	2 ~ L6 x 4 x 5/8
	U ₁ - L ₂	2 ~ L6 x 4 x 5/8
VERTICALS	U ₁ - L ₂	4 ~ L 3 1/2 x 2 1/2 x 5/8
	U ₂ - L ₂	2 ~ C9 x 13.4
	U ₃ - L ₃ , U ₄ - L ₄ , U ₅ - L ₅	2 ~ C9 x 9.8
	U ₆ - L ₆	2 ~ C9 x 13.4
FLOOR BEAMS	ENDS	B24 x 80
	INTERIOR	B27 x 90



SIDEWALK FOR TRUSS SPAN REMOVAL



BRACKET DETAIL

Truss Member Repair Notes:

Prior to beginning the work, the Contractor shall submit proposed repair procedures to the Engineer of Record for approval. Submission shall include proposed heating patterns, method of providing external force and equipment. The contractor shall also submit proposed work procedures, sequence of work to be followed, and plans for performing the work.

Repair, replace, and heat-straighten truss members as shown in "Key to Truss Member Repairs" table in accordance with the provisions of Item 784 "Repairing Steel Bridge Members" and as shown in these plans.

No cold forming or bending of any truss member is permissible. All straightening of bent truss members shall be done by hot mechanical or flame straightening as per Item 784.

Rivets which must be removed or are missing shall be replaced with ASTM A325 High Strength round headed bolts of the same diameter and installed as per Item 447, "Structural Bolting."

Damaged rivets/bolts may be removed by chipping or flame cutting the rivet/bolt heads and then driving the rivet/bolt shank from the hole.

No flame cutting of any steel bridge members shall be allowed. No welding to any steel bridge member shall be allowed. Care shall be taken to avoid damaging any steel members. Any damage caused by the Contractor's operations shall be repaired as directed by the Engineer at the Contractor's expense. All repairs to damaged steel bridge members shall be in accordance with Item 784, "Repairing Steel Bridge Members."

Painting Notes:

Clean and paint all steel members in accordance with the provisions of Item 446, "Cleaning and Painting Steel", System I (Overcoating).

Provide appearance coat for the truss members, floor beams, stringers, brackets and pedestrian railing meeting Federal Color Standard No. _____ which closely matches existing color of bridge.

High-pressure water blast steel to clean and remove any loose and peeling paint (minimum 5000 psi). A zero degree nozzle is required. Contain and collect all water.

Remove debris, mills scale, corrosion, and paint rust from the bearing areas, and floor beam/vertical connections using an approved surface preparation method.

Submit for approval, plans and procedure for cleaning and painting steel, including: water and waste containment plans, painting methods and method to protect traveling public from painting process.

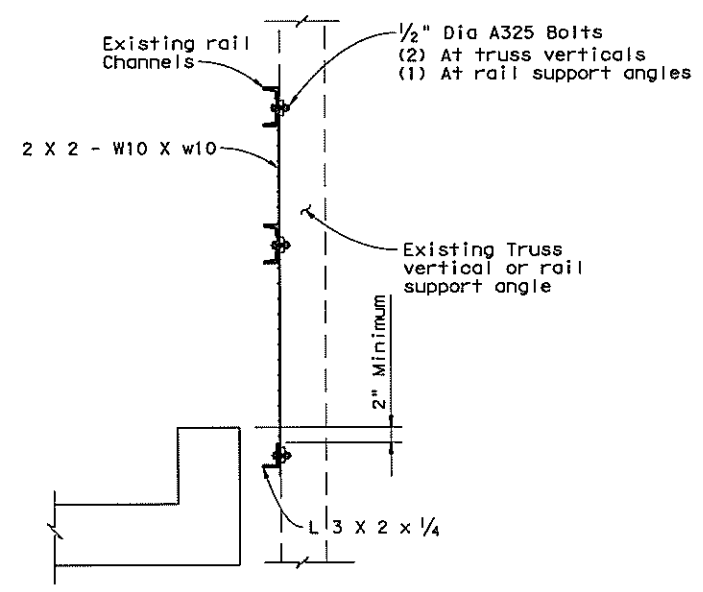
Use oil-free and dry high pressure air to blow all moisture from joints and connection.

Spot clean all areas where primer has failed, primer is missing, existing steel has been repaired, rust is present, and as directed by the Engineer in accordance with Class C Cleaning.

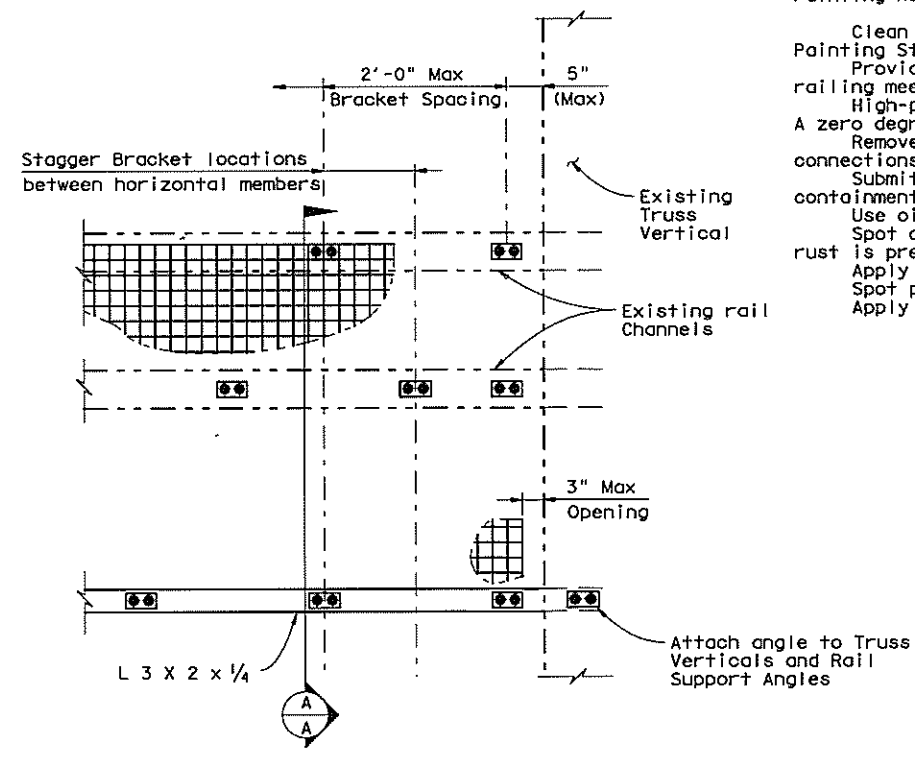
Apply penetrating sealer to all steel surfaces to be painted.

Spot prime all spot cleaned areas and all rivet and bolt heads that are rusted.

Apply urethane appearance coat to all exposed steel surfaces.



SECTION A-A



ELEVATION OF FENCE

P.E. SEAL REQUIRED
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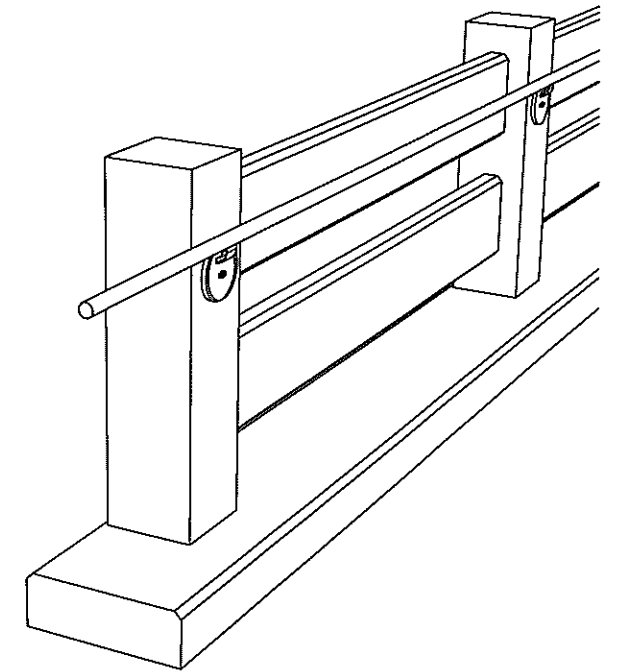
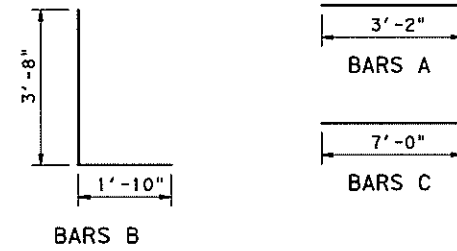
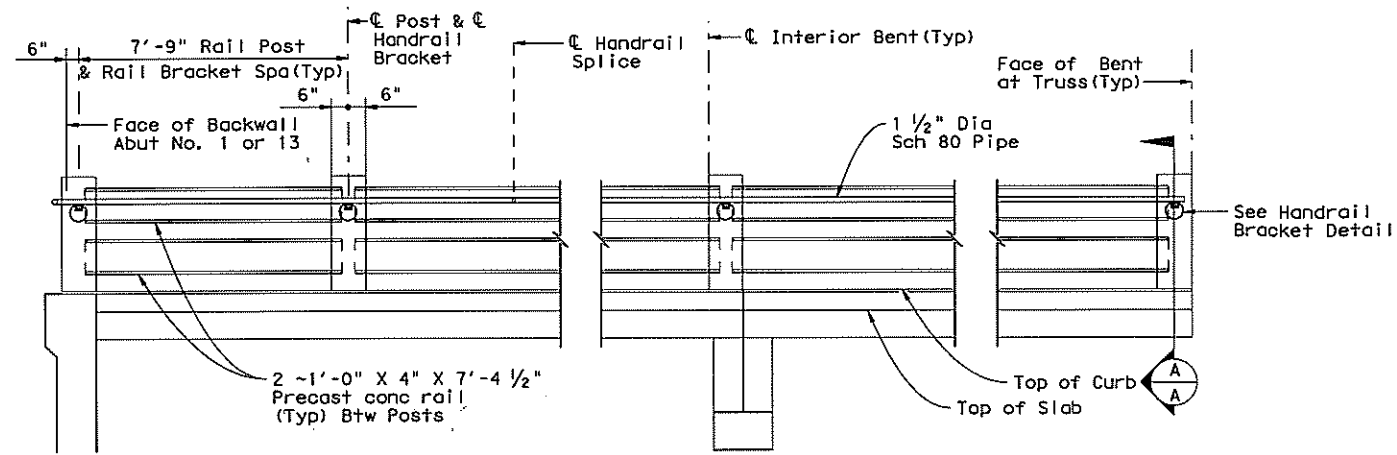
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Texas Department of Transportation
 Bridge Division

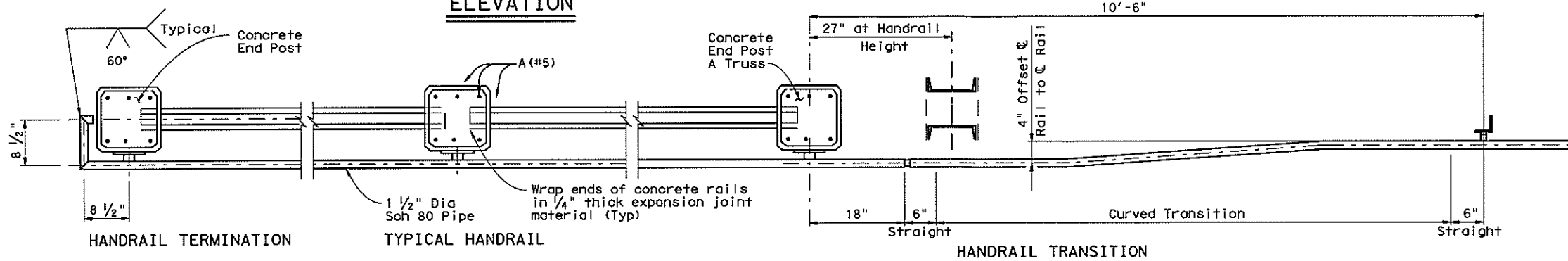
TRUSS REHABILITATION DETAILS

LONE WOLF BRIDGE

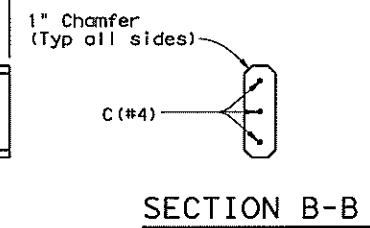
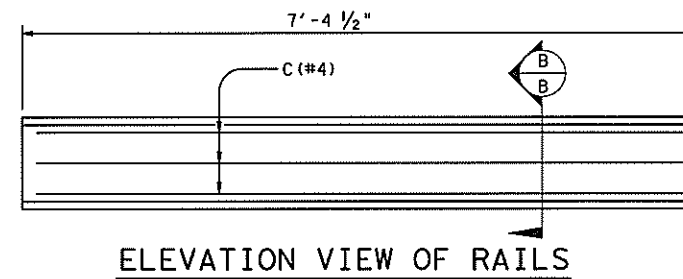
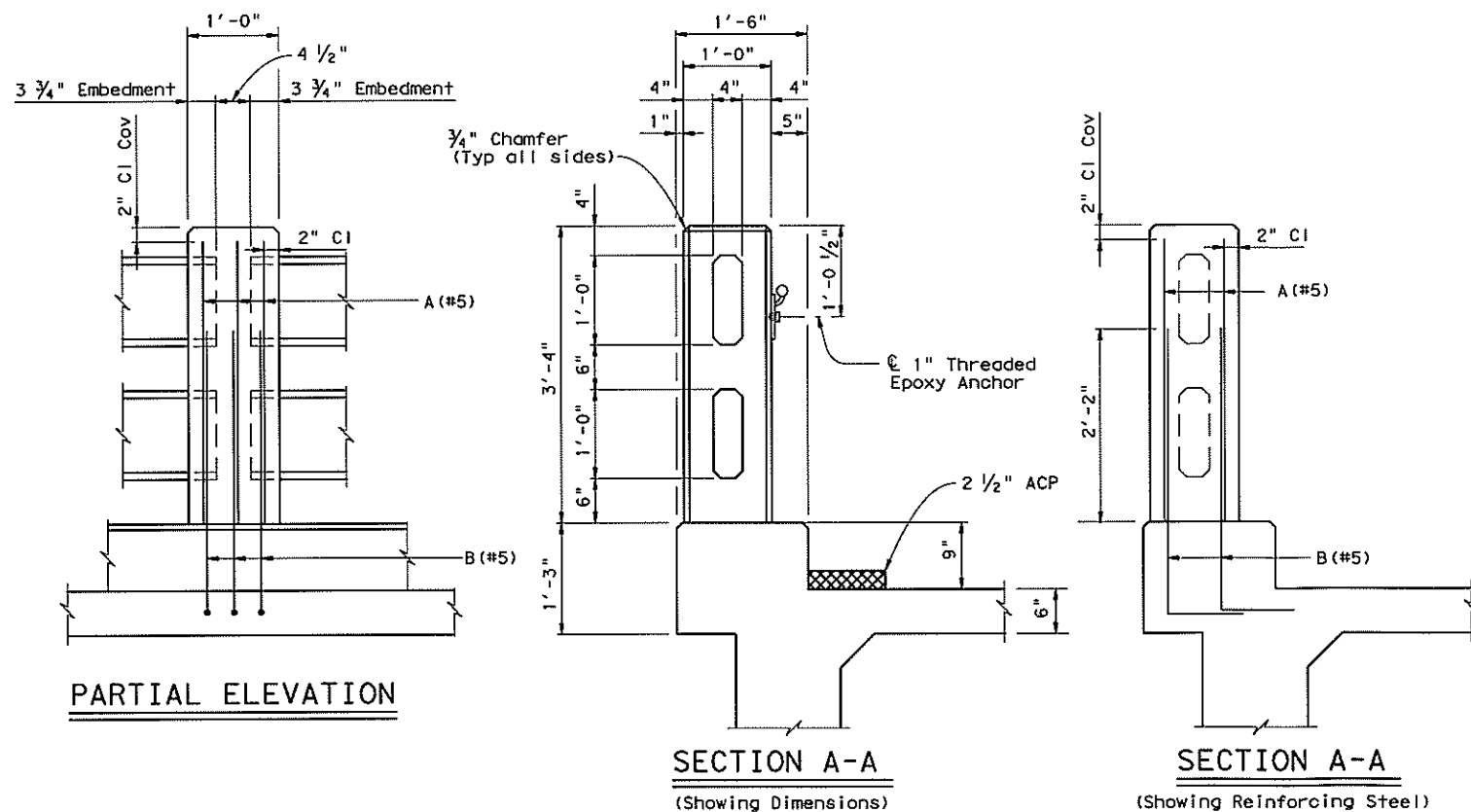
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DISTRICT: JUNE 2006	07	FEDERAL AID PROJECT	SHEET
REVISIONS		COUNTY: TOM GREEN	CONTROL SECT: 0907
		JOB: 24	HIGHWAY: 028



ELEVATION



PARTIAL PLAN



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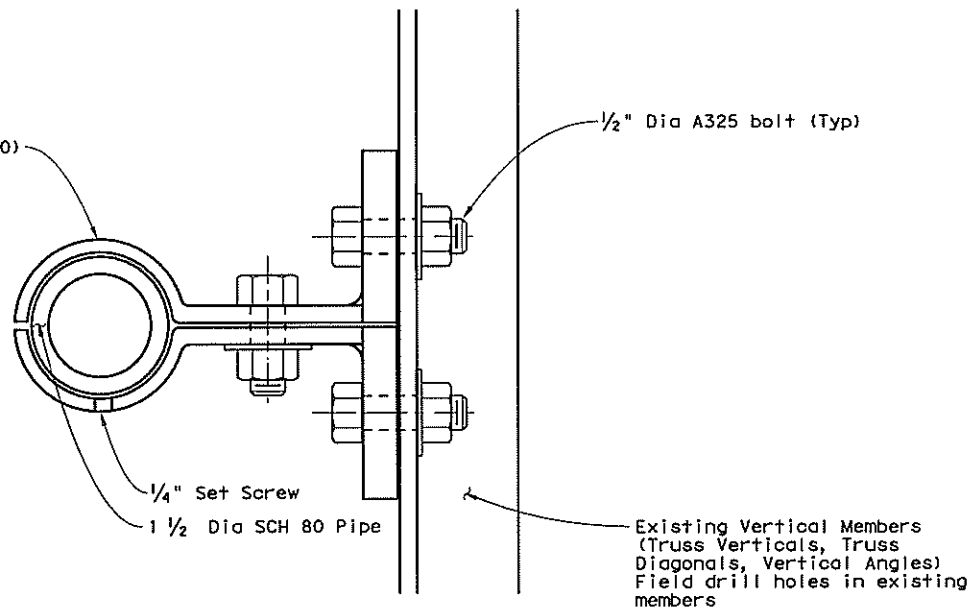
Texas Department of Transportation
Bridge Division

**CONCRETE PEDESTRIAN
RAIL DETAILS**

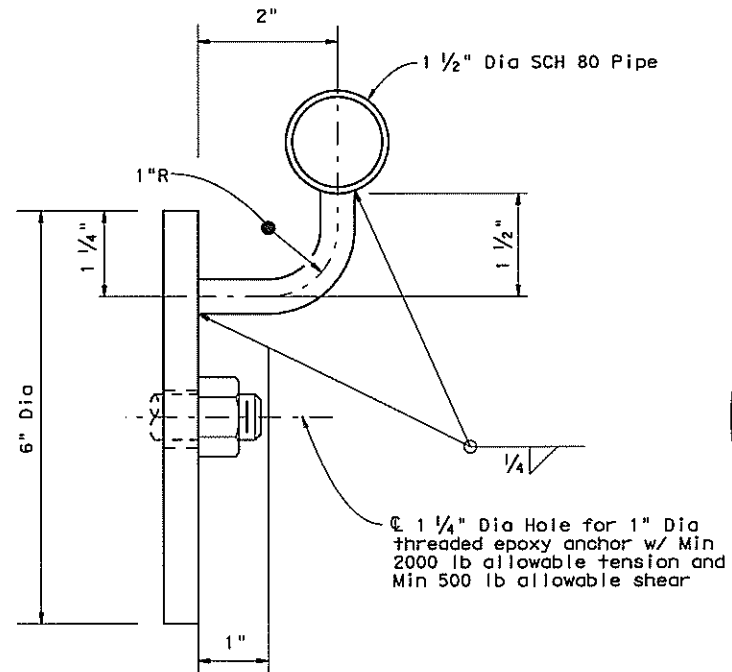
LONE WOLF BRIDGE

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REVISIONS			COUNTY	CONTR#	SECT	JOB	HIGHWAY		
			TOM GREEN	0907	24	028			

2 - 2 1/2 x 1/4 R, Curved to fit rail (1 1/2 Dia SCH 80)



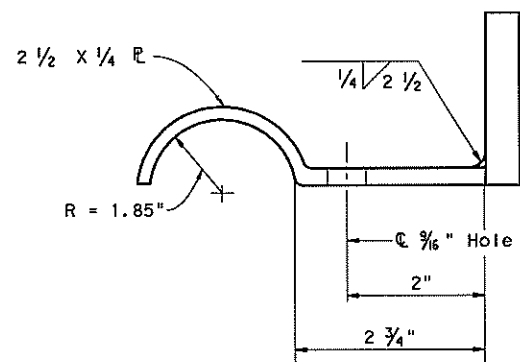
FULL ELEVATION



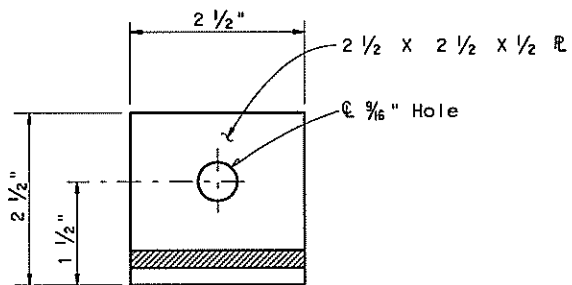
RIGHT SIDE

ELEVATION

HANDRAIL BRACKET DETAIL

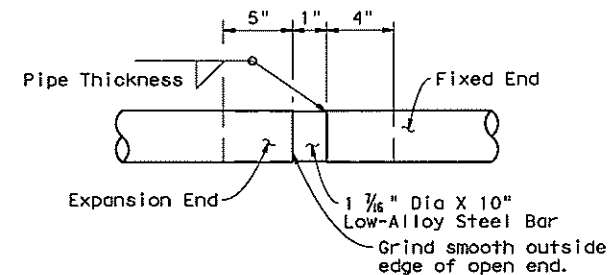


BRACKET ELEVATION

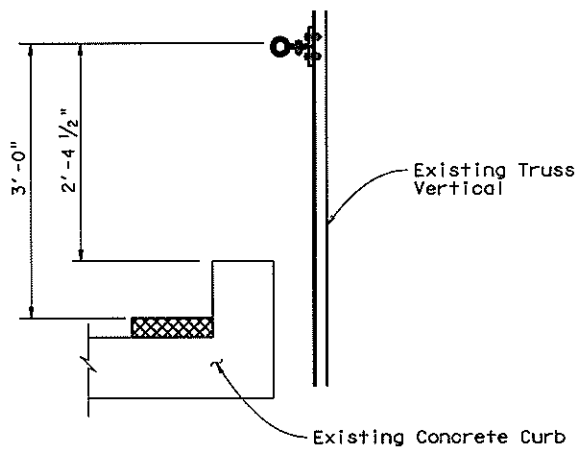


END VIEW

HANDRAIL ATTACHMENT TO TRUSS DETAILS



SPLICE DETAIL



TYPICAL SECTIONAL VIEW

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**HANDRAIL
DETAILS**

LONE WOLF BRIDGE

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