

Inspection Report for B-03-038 (USH 8)

USH 53 NB over USH 8 May 16,2017



Туре	Prior	Frequency (mos)	Performed
Routine	05-13-15	24	X
Interim	02-19-07	0	
SIA Review	06-11-13	48	X

Latitude 45°23'42.38"N	
Longitude 91°45'27.10"W	

Owner STATE HIGHWAY DEPT
Maintainer STATE HIGHWAY DEPT

Time Log		Team members	
Hours		Wjk	
0	55		

Name	Number	Signature	Date
Inspector		William / Lovaleski	
Kovaleski, William J	8007	E-signed by Bill(dotwjk)	08-07-17

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Identification & Location

Feature On: USH 53 NB	Section Town Range: S29 T34N R11W	Structure Number:
Feature Under: USH 8	County: BARRON	B-03-038
Location 8.5M N JCT CTH I TO E	Municipality: STANLEY	Structure Name: USH 8

Geometry Traffic

measurements in feet, except v	where noted		
Approach Roadway Width: 56	Bridge Roadway Width: 74.0	Total Length: 244.2	0
Approach Pavement Width:	Deck Width:	Deck Area (sq ft):	Unde

	Lanes	ADI	ADT year	Traffic Pattern
On	3	5400	2014	ONE WAY TRAFFIC
Under	4	7400	2014	TWO WAY TRAFFIC

Capacity Load Rating

- apacity			
Inventory rating: HS21	Overburden depth (in): 2.0	Last rating date: 07-29-13	Controlling: INTERIOR DECK GIRDER Moment
Operating rating: HS36	Deck surface material: INTEGRAL CONCRETE	Re-rate for capacity (Y/N):	Control location: 1.0 SPAN 1, 118.5
Posting:	Re-rate notes:		

Hydraulic Classification

Scour Critical Code(113): (N) NO WATERWAY	Q100 (ft3/sec): 0	
High water elevation (ft):	Velocity (ft/sec):	Sufficiency #:
0.0	0.0	_

Span(s)

Span #	Material	Configuration	Depth (in)	Length (ft)	Main	
1	CONT STEEL	DECK GIRDER		118.5		
2	CONT STEEL	DECK GIRDER		121.5	Y	İ

Expansion joint(s) Temperature: File: New:

Clearance

Item	File Measurement (ft)	File Date	New Measurement (ft)
		Tile Date	New Measurement (it)
Highway Min Vertical Under Cardinal	16.67		
Highway Min Vertical Under Non-Cardinal	17.29	16-Dec-1999	
Horizontal Under Cardinal	97.5		
Horizontal Under Non-Cardinal	97.5		
Highway Min Vertical On Cardinal			
Horizontal On Cardinal			

Special Components

Component	Year	Work Performed	Note
DECK - IOWA MIX	1994	OVERLAY - CONCRETE	

Construction History

Year	Work Performed	FOS id
1998	PAINTING	1197-10-71
1994	OVERLAY - CONCRETE	1190-22-60
1972	NEW STRUCTURE	1197-06-72

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Maintenance Items History

Item	Recommended by	Status	Status change	Year completed
Deck - Patching	Bjorklund, Allan M (8003)	COMPLETE	12/17/15	2015
Patch both ends of deck along strip	seal joints. Estimate 25lf on mainline south jt.	North joint mainlin	e 15lf, and 3lf or	ramp.
Deck - Patching	Harrington, Daniel J (8004)	COMPLETE	01/17/13	
patch spalls in top of backwalls 2 lf	N and 10 lf S.			
Deck - Patching	Harrington, Daniel J (8004)	COMPLETE	01/17/13	
repair spalls on deck and backwalls	approx. 40 SF.			1
Deck - Patching	Bjorklund, Allan M (8003)	COMPLETE	12/17/15	2015
Patch paving blocks, est 60 sf, north Polymer patch concrete.	n 40sf south 20sf. Also, repour median end wa	l all on north abutme	l nt to stabilize ste	eel extrusion.

Maintenance Items

Item	Priority	Recommended by	Status	Status change
Substructure - Other Work	MEDIUM	Bjorklund, Allan M (8003)	IDENTIFIED	06/24/15
		, , ,	i	
Seal pier columns with a concrete sealer from the	approved list, 5	columns.		

Elements

							Quantity in Co	ondition State				
Chk	Element	Defect	Description	UOM	Total	1	2	3	4			
Χ	12		Reinforced Concrete Deck	SF	19,634	4,633	15,000	1	0			
			Delamination - Spall - Patched Area	SF		0	0	1	0			
		1080	Full depth failure along south joint in west flow lin	е.		-						
		1120	Cracking (RC)	racking (RC) SF 0 15,000 0 ine surface map cracking throughout - adjacent to girders. Few fine/hrline transverse cracks.								
		1130	Fine surface map cracking throughout - adjac	ent to g	iraers. Few	/ tine/nriir	ie transvers	se cracks.				
	8514		Concrete Overlay	Concrete Overlay SF 19,634 0 19,591								
			 Debonding/Spall/Patched Area/Pothole	SF		0	24	43	0			
		3210	Spalled along joints. North joint has 12lf of repaired and 18 lf of unrepaired spalls. South joint har repaired and 25lf of unrepaired spalls.									
			Crack (Wearing Surface) SF 0 19,567						0			
		3220	Random map cracking through out - approx. 80% Few fine longitudinal cracks at ends.	6. Fine t	o hrline tra	insverse (cracking at	Pier - app	orox. 30ft			
			Steel Open Girder	LF	2,198	1,558	640	0	0			
Χ	107		Girders appear straight and plumb with no ob 8 span 1 over EB USH 8 ground out Mag-particle t	vious in ested ar	dications on dications of dicat	of out-of- ∤ 2-19-07.	olane move	ement. Hit	on Girder			
			Corrosion	LF		0	640	0	0			
		1000	Spot locations on fascia girders of top-coat fla Spot freckle rust at ends - approx. 1%. Approx flaking.	aking. A	Approx. 70° all girds ov	% of pin-s er driving	ize frckle r lanes have	ust on btm e bubbling	flange. and It			
			Painted Steel	SF	30,628	10,720	15,314	3,063	1,531			
	8516		Painted overcoat 9/98.									
			Effectiveness (Steel Protective Coatings)	SF		10,720	15,314	3,063	1,531			
		3440	Spot locations on fascia girders of top-coat fla Spot freckle rust at ends - approx. 1%. Approx flaking. Estimate: 35% CS1 50% bleached CS2	11% of a	all girds ov	er driv ing	lanes have	ust on btm bubbling	flange. and It			

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4							Structure No.	D-03-03
205		Reinforced Concrete Column	EA	5	4	1	0	0
	4000	Delamination - Spall - Patched Area			0	1	0	0
	1080	Column 5 btm west spall w/ exposed rebar - po	oor cov	er.				
		Reinforced Concrete Abutment	LF	170	148	19	3	0
215								
		Delamination - Spall - Patched Area	LF		0	0	3	0
	1080	NORTH: Edge spalls at end - poor cover/ west of NORTH: CS3 spall w/ rust staining at Bays 5, 7,	end two & 8 / top	o 6in popou o edge spa	it spalls wills at G5,	// exposed 6, and 7	I rusty reba	ar.
		Cracking (RC)	LF		0	19	0	0
	1130	SOUTH: Few CS3 vert cracks w/ staining and b staining / CS3 vert cracks at G3 and Bay 5 / sur	egin de face ma	iam. NOR p cracking	TH: Hrln vo at east e	ert cracks a	at G2 and 6. 50%.	4 w/ It ru
		Reinforced Concrete Cap	LF	78	75	3	0	0
234		Consists of 2 units, Col 1 and 2 supports G 1-4, C	G 5-9.	'	•	!		
		Cracking (RC)	LF		0	3	0	0
	1130	Vry fine diag crack from col 5 in cantilever. Fine	diag cra	cks from co	l 1&2 towa	ard center of	of cap	
		Strip Seal Expansion Joint	LF	160	0	160	0	0
300							•	
		Adjacent Deck or Header Damage	LF		0	160	0	0
	2360	South mainline joint has 25lf repaired spall. South repaired spall by repaired median end, and 15lf uni	ramp jt epaired	has 12lf re spalling. S	paired spa teel extrus	III. North joi ions are ru	int mainline isted entire	has 2lf length.
		Moveable Bearing	EA	18	14	4	0	0
311		At abutments						
		Corrosion	EA		0	4	0	0
	1000	Rust forming on exterior bearings.		•		'	•	ļ.
		Fixed Bearing	EA	9	7	2	0	0
313		At Pier				!	1	
		Corrosion	EA		0	2	0	0
	1000	Rust forming on exterior bearings.						•
		Reinforced Concrete Bridge Rail	LF	731	481	250	0	0
331								•
			LF		0	6	0	0
	1080	Fair. Spall w/ exposed rebar center parapet @ S a	abut.					
		Cracking (RC)	LF		0	244	0	0
	1130	Median parapet random map cracking thru out.						•
8400		Integral Wingwall	EA	4	1	3	0	0
0400								
		Wall Deterioration	EA		0	3	0	0
	8903	NW - hrln vert crack at mid w/ small edge spall at mid.	top. NI	= - small s _l	pall top so	outh SW -	· tine vertic	al crack
	205 215 234 300 311	205 1080 215 1080 234 1130 300 2360 311 1000 313 1000 331 1080 331 1130 400 1130 8400 1000	Reinforced Concrete Column	Reinforced Concrete Column	Reinforced Concrete Column	Reinforced Concrete Column	Reinforced Concrete Column	Reinforced Concrete Column

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Assessments

							Quantity in C	ondition State	
Chk	Element	Defect	Description	UOM	Total	1	2	3	4
	0004		Drainage - Approach	EA	4	4	0	0	0
X	9001								
			Signs - Object Markers	EA	2	2	0	0	0
X	X 9030								
			Slope Protection- Crushed Aggregate with Bit.	EA	2	2	0	0	0
X	9043		Most tightly adhered with It bleaching and veg	etation	on edges.				
			Steel Diaphragm	EA	16	16	0	0	0
Х	9167		At abutments. Lt freckle rust on all edges.						
			Cross Bracing or Struts	EA	56	24	32	0	0
X	9250		32 over roadways with It freckle rust.						
			Approach Roadway - Concrete (non-structural)	EA	4	2	2	0	0
X	9322		NE & SW center slab broke. Nw shldr slab is brok	en with s	spall full w	dth.			

NBI Ratings

	File	New
Deck	5	5
Superstructure		7
Substructure	6	6
Culvert	N	Ν
Channel	N	Ν
Waterway	N	Ν

Structure Specific Notes

OLD: (01) Structure is in very good condition. Deck has some small cracks serious. Paint applied in 1998 is weathering well except for a few peels in span 2. Slopes need to be resprayed. Other elements in very good condition. Hit on lower flange repaired 2/19/07. Swallows present 2009, 2011.

Inspection Specific Notes

Inspector Site-Specific Safety Considerations

Structure Inspection Procedures

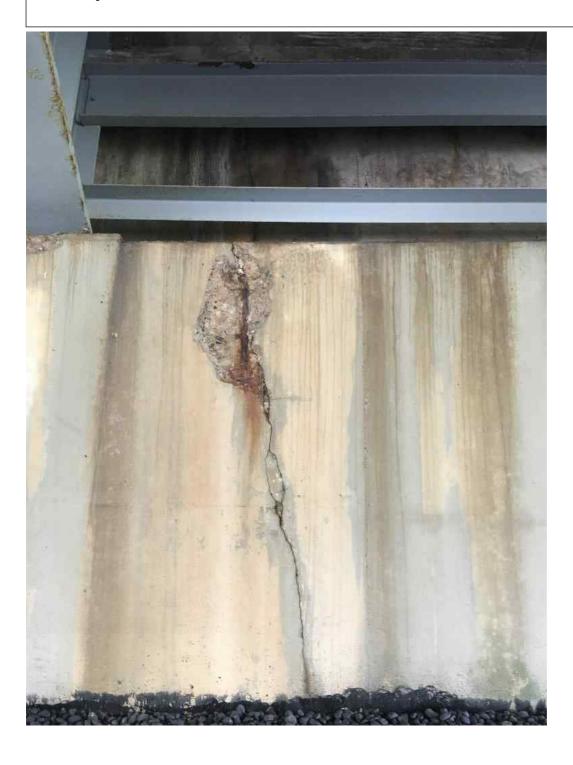
Walk-thru

Special Requirements

Chk Hours Cost Comments

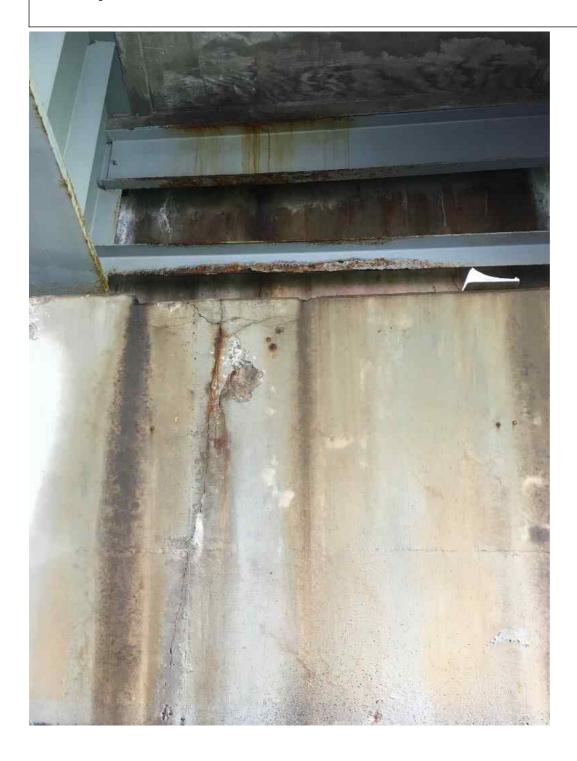
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Routine Document Comment/Description N abut Bay 5



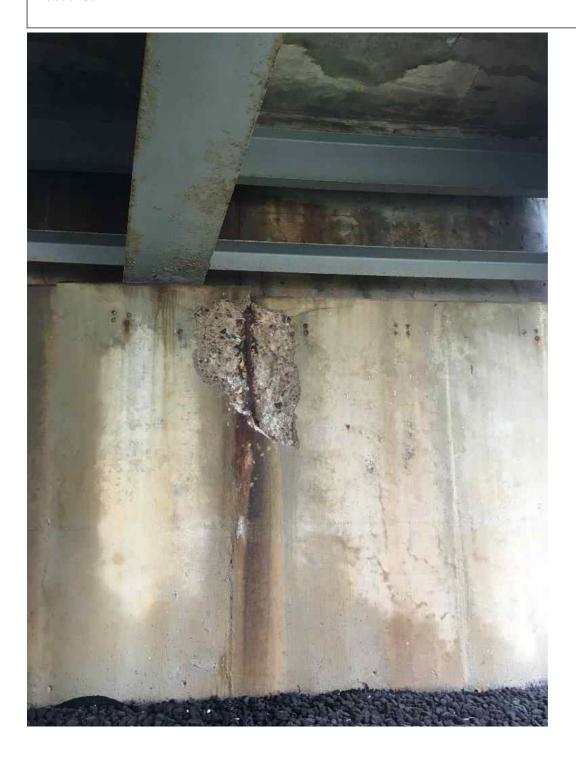
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Routine Document Comment/Description N abut Bay 7

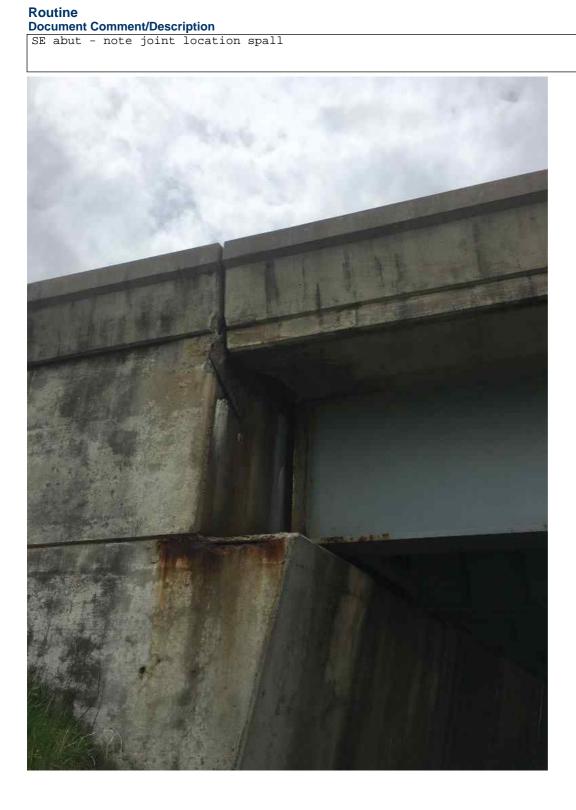


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Routine Document Comment/Description N abut G8



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STRUCTURE INVENTORY AND APPRAISAL FIELD REVIEW FORM

B-03-038 USH 53 NB over USH 8

LOCATION STANLEY (3) Municipality: (16) Latitiude(° ' "): 45°23'42.38"N 91°45'27.10"W (17) Longitude(° ' "): TRAFFIC SERVICE (28A) Lanes On: 3 (28B) Lanes Under: 4 (102) Traffic Pattern On: -NO TRAFFIC X-ONE WAY TRAFFIC -TWO WAY TRAFFIC (102) Traffic Pattern Under: -NO TRAFFIC -ONE WAY TRAFFIC X-TWO WAY TRAFFIC (19) Detour Length(mi): **GEOMETRY** (49) Structure Length(ft): 244.2 (50) Sidewalk Width(ft): Left: 0.0 Right: 0.0 (50) Curb Width(ft): (52) Culvert Barrel Length(ft): (34) Skew: Angle(°): 11 Direction: -RIGHT FORWARD X-LEFT FORWARD Cardinal Non-Cardinal (51) Bridge Roadway Width(ft): (52) Deck Width(ft): 80.4 80.4 Right Wingwall Length(ft): Left Wingwall Length(ft): (32) Approach Roadway Width(ft): 56 40 Cardinal Under Clearance Non-Cardinal Under Clearance (47) Minimum Horizontal(ft): 97.5 97.5 (55) Minimum Right Lateral(ft): 33.0 33.0 (56) Minimum Left Lateral(ft): 40.5 40.5 RAILING APPRAISAL (36A) Bridge Rail Adequacy: -SUB-STANDARD X-STANDARD -NOT APPLICABLE -SUB-STANDARD X-STANDARD -NOT APPLICABLE (36B) Transition Adequacy: (36C) Approach Guardrail Adequacy: -SUB-STANDARD X-STANDARD -NOT APPLICABLE (36D) Guardrail Termination Adequacy: -SUB-STANDARD X-STANDARD -NOT APPLICABLE Right Type TYPE F (TWO SQUARE TUBES) - STEEL(8) **Outer Rail:** Left TYPE F (3 SQUARE TUBES) - STEEL(65) TYPE F (4 SQUARE TUBES) - STEEL(72) TYPE M-STEEL 3 SQUARE TUBES(93) SLOPED FACE PARAPET LF(91) X SLOPED FACE PARAPET HF(92) VERTICAL FACE PARAPET TYPE A(74) TYPE W-THRIE BEAM(79) TYPE H ON VERTICAL PARAPET(80) TIMBER(38) OTHER(99) (Please specify) CONT GUARD RAIL **Transition Type:** NO APP GRDRL NO ATTACHMENT 22 MM(7/8") BOLT (Please enter quantity) 25 MM(1") BOLT (Please enter quantity) OTHER (Please specify) **Approach Attachment Rail Note: Guardrail Termination Type:** (01) ENERGY ABSORBING TERMINAL/EAT (02) TURN DOWN

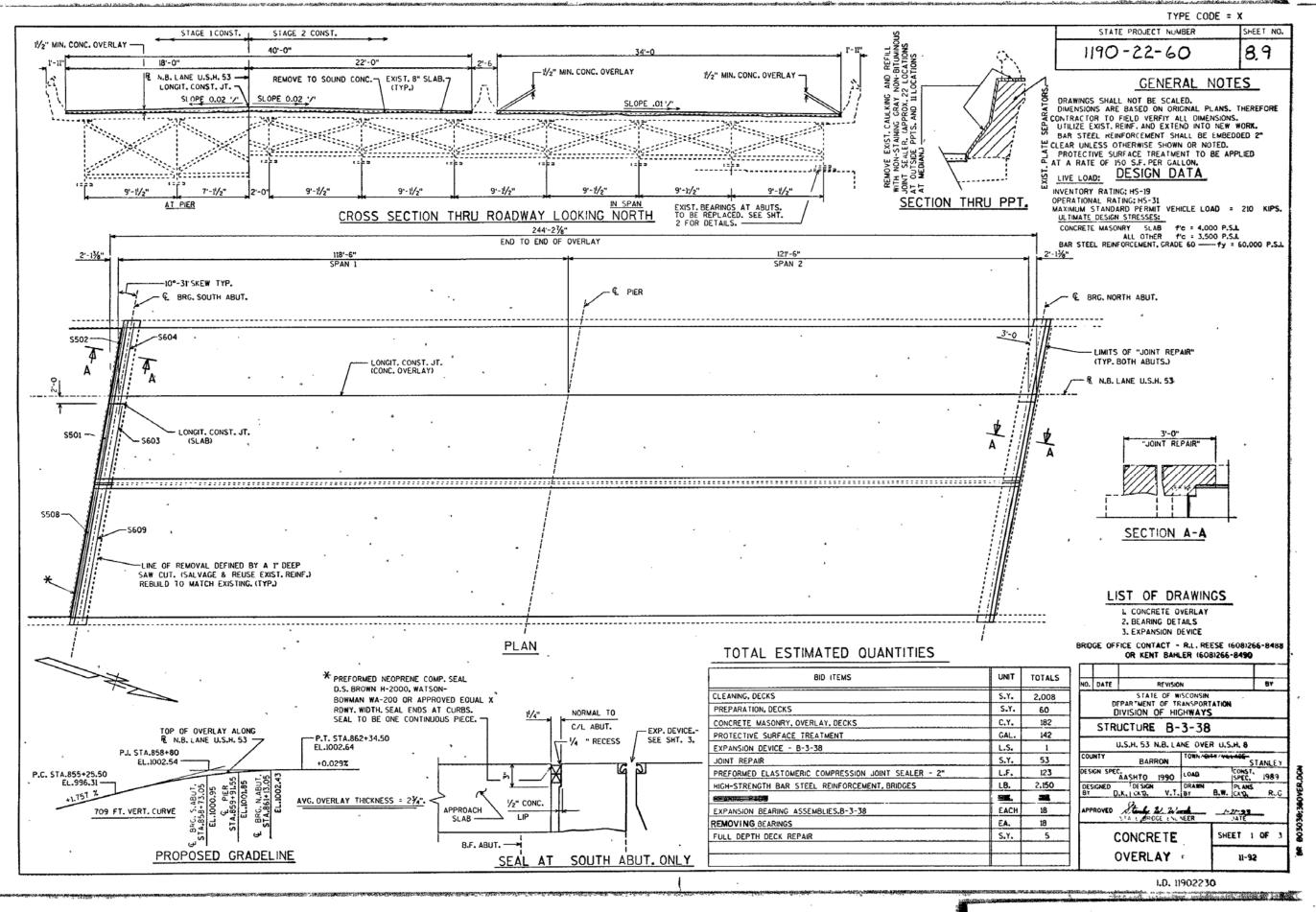
Guardrail Termination Note:

(72) Approach Alignment Appraisal:

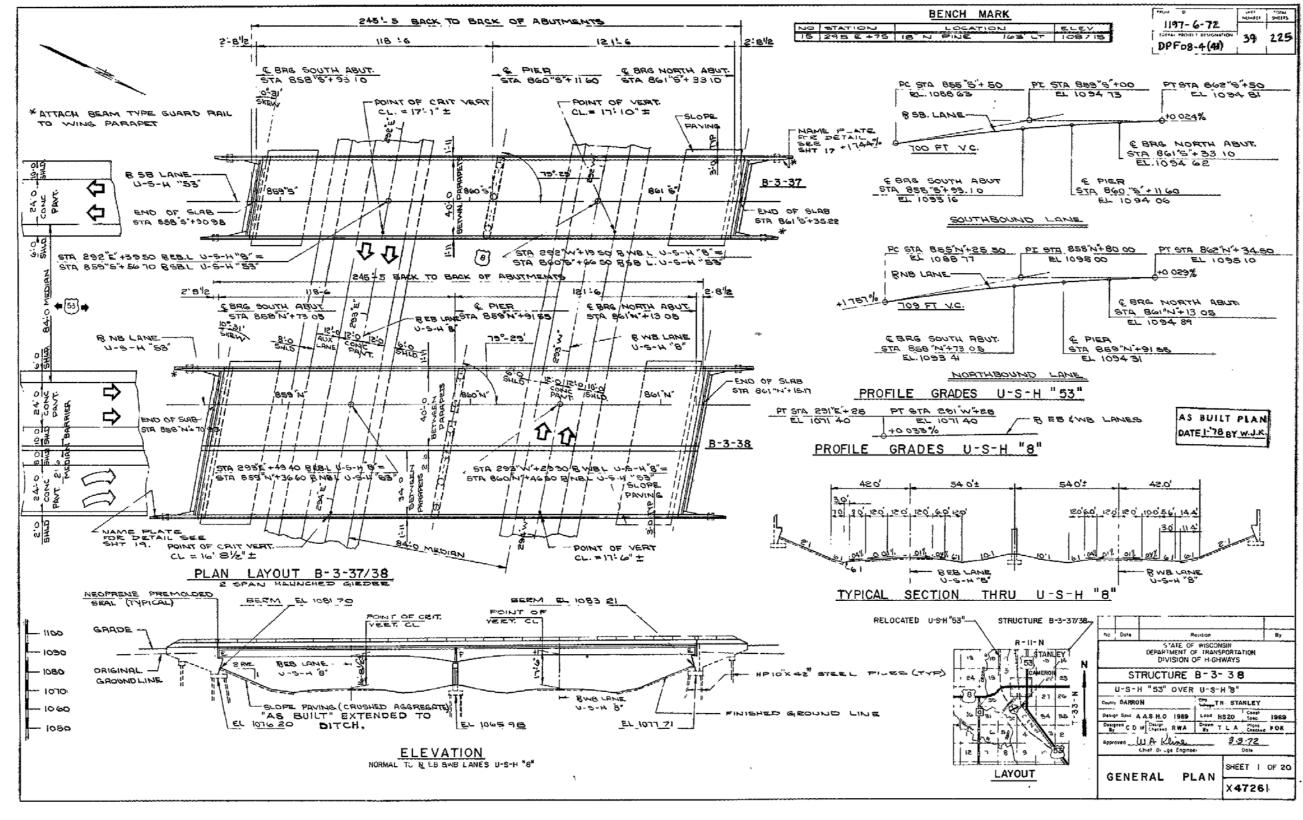
DO A DIMAY ALLONIMENT A DDD ALOAL

(99) OTHER (Please specify)

	ROADWAY ALIGNMENT APPRAISAL
	3 Intolerable- Substantial speed reduction
	6 Fair- Minor speed reduction
X	8 Good- No speed reduction



B-3-38



y* **≠**

GENERAL NOTES

DEAVINGS SHALL NOT BE SCALED,

DED BAK STEEL PEINFORCEMENT SHALL BE ENGLED.

DED CHE STEEL PEINFORCEMENT SHALL BE ENGLED.

DED CHE SCHOOL OF HE FILL IN FRONT OF THE ABUTTENTS.

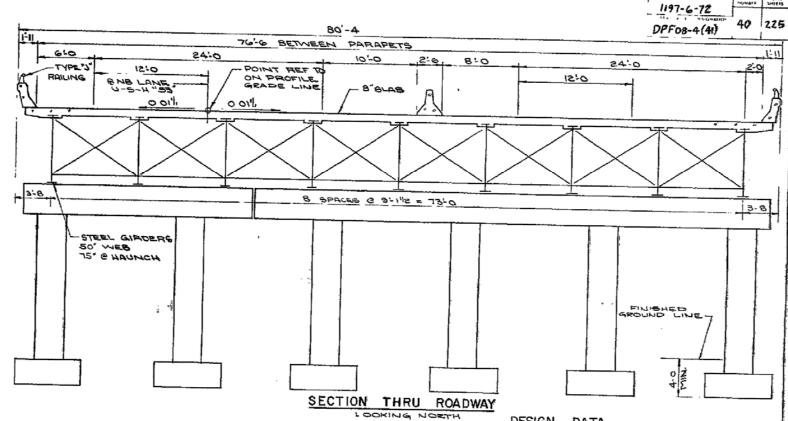
SHALL BE COVERED WITH SLOPE PAVING (TINTUE ABUTTENTS)

GATE) TO THE EXTENT SHOWN ON SHIT, (TINTUE ABUTTENTS ABUTT.

MENT DETAILS

AT THE ABUTMENTS. AT THE ABUTMENTS.

THE FINISHED STEADEDSECTION WAS USED AS THE UPPER UMITS OF EXCAVATION FOR COMPUTATION OF EXCAVATION FOR COMPUTATION OF EXCAVATION FOR COMPUTATION OF EXCAVATION FOR COMPUTATION OF EXCAVATED VOLUME NOT COCCUPIED BY ABUTMENT SHALL BE FILLED WITH GRANULAR STATE NEW ABUTMENT SHALL BE FILLED WITH GRANULAR STATE OF THE NEW ABUTMENT SHALL BE MADE WITH SATURE SHAME FRUIT ON THE SHALL BE MADE WITH SATURE SHAME FRUIT ON THE SHALL BE THE SATURED OF THE SATURED SHAWN OR NOTED OTHERWISE



TOTAL ESTIMATED QUANTITIES

GRANULAE BACKFILL CONCRETE MASONEY BAR STEEL REINFORCEMENT STEUCTURAL CARSON STEEL LUBRICATED BRONZE FLATES BEARING PADS REOPERNE PRE- MOLTED REAL STEEL PILING, DELIVERED & DRIVEN HP 10 INCH X 42 POUND	Y Y 0 0 0 0 F F	564 8 159,000 420,710 92,520 313 52	190	86 2	12,980	460 570 1043 (205,160 420,710 97,520 313 52 162
GRANULAE BACKFILL CONVERTE MASONEY CONVERTE MASONEY CONVERTE MASONEY CONVERTE MASONEY CONVERTE MASONEY CONVERTED STEEL CONVERTED STEEL CONVERTED FLATES CONVERTED FADS MEOPRENE PRE- MOLTED GEAL CONVERTED FLIVERED & DRIVEN MEOPRENE PRE- MOLTED GEAL CONVERTED FLIVER DELIVER DELIVER TUBULAE FAILING TOPE """	7 7 0 0 0 0 4	564 B 159,000 420710 92,520 313 52	11,25	86 2	285	570 1043 (205,166 429716 92,526 313 52 162 3,690
CONCRETE MASONRY BAR STEEL REINFORCEMENT STEUCTURAL CARBON STEEL STEUCTURAL COW.ALLOY STEEL LUBRICATED BRONZE PLATES BEAZING PADS NEOPRENE PRE MOLTED SEAL STEEL PILING, DELIVERED & DRIVEN HP IO INCH X 42 POUNTD TUBULAR FAILING TYPE """	Y 8 8 8 8 F	564 B 159,000 420,710 92,520 313 52 162	1,1 2,5	86 2	12,980	205,160 420,710 420,710 92,520 313 52 162 3,640
BAR BIEEL REINFORCEMENT LESTEUCTURAL CARBON STEEL LOW-ALLOY STEEL LUBRICATED BRONZE PLATES LABOR PADS PADS PADS PADS PADS PADS PADS PADS	10 0 C E	159,000 42,0710 92,520 313 52 162	1,125	20,200	12,980	205,160 420,710 92,520 313 52 162
STEUCTURAL CARBON STEEL STEUCTURAL LOW ALLOY STEEL LUBRICATED BRONZE PLATES BEARING PADS MEOPPENE PRE- MOLTED GEAL STEEL PILING, DELIVERED & DRIVEN HP 10 INCH X 4Z POUND TUBULAR FAILING TYPE "1"	B 0 4 F	420710 92,520 313 52 162	1,1 2.5			420710 92,520 313 52 162
STRUCTURAL LOW-ALLOY STREL LUBRICATED BRONZE PLATES BEARING PADS MEOPRENE PRE-MOLTED GEAL L STREL PILING, DELIVERED & DRIVEN HP 10 INCH X 42 POUND TUBULAR FAILING TYPE "1"	000	92,520 313 52 162	1,1 2.5	1440		92,520 313 52 162 3,690
LUBRICATED BRONZE PLATES BEARING PADS NEOPRENE PRE MOLTED SEAL STREE PILING, DELIVERED & DRIVEN HP 10 INCH X 42 POUND TUBULAE KALING TYPE "1"	9 4 4	313	1,125	1440	1,125	313 62 162 3,690
DEARING PADS NEOPRENE PRE MOLTED SEAL IL STEEL PILING, DELIVERED & DRIVEN HP 10 INCH x 4Z POUND TUBULAR FAILING TYPE "4"	F . F	162		1440	1,125	52 162 3,690
MEOPRENE PRES MOLDED GEAL L STEEL PILING, DELIVERED & DRIVEN HP 10 INCH X 42 POUND L TUBULAR FAILING TYPE """	- F	162		1,440	1,125	3,690
STEEL PILING, DELIVERED & DEIVEN L HP 10 INCH X 4Z POUND	- F			1440	1,(25	3,690
TUBULAR RAILING TYPE "4"				1440	1,125	
TUBULAR RAILING TYPE """				1440	1,125	
SLOPE PAVING (CRUSHED AGGE)	· 🗸	957				557
7446)	- Y					
			230		260	490
	1	1				
NON-BID ITEMS			-			
LUMINUM CO						
PLATE 5	-	100				100
POLYVINYL CHLORIDE WATERSTOP	- 1					
THESE WATERSTON	. =	;	85		85	170

TRAFFIC VOLUME

U-S-H "53" U-5-H "8" 005,00 B D 6 --- B D 8 970 ---- 070 DHY ---- 1,320 D 4.Y-1, 180

LIST OF DRAWINGS

LIST OF DRAWING	Ş
GENERAL PLAN	— ——— ×47261
2. GENERAL PLAN	×47262
ひけこのかこのでするへの 白となしのアナイクシー――	VA7263
4 SOUTH ABUTMENT	×47264
S. SOUTH ABUTMENT DETAILS	
	X47266
	——× 4 7267
S. NORTH ABUTMENT DETAILS	X 47268
A MORTH ABUTMENT DETAILS-	x 47269
IO PIER	×47270
I PIER DETAILS	X 47771
IZ SUPERSTRUCTURE	
IS FRAMING PLAN	~~~~/2/2
A GIRDER ELEVATIONS	X 47273
IS SUBSECTION.	X 47274
IS SUPERSTRUCTURE	X 47275
IG BUPERSTRUCTURE	
17 BEARING DETAILS	x 47277
IS NEOPRENE SEAL EXPANSION JOINT	x 47278
19 SLOPED PACE PARAPET "A"	
20 TUBULAR RAILING TYPE "J"	x 47280

DESIGN DATA

1,400 RS1.
1.89 000,08
n=10 20,000 PS.1.
27.000 PS I.

FOUNDATION DATA

ABUTMENTS TO BE SUPPORTED ON HP 10'X 44' STEEL DILES EST 45'.0"

LG I DEIVEN TO A MIN BROWNED OF 55 TONS/PILE

STEEL PILES EST. 40.0" LOT FORTED ON HP 10'X 42'S

BEG. VALUE OF SB TONS PER PILE

BEG. VALUE OF SB TONS PER PILE

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		DEPART	MENT 0	WISCOM F TRANS OF H GH	POR	TATIO	ON	
	\$1	RUCT	URE	B-3	-3	8	_	
Consi Spec	196	9	Drgwn By	TLA	T	Prons Checks	_d K	O K
G	ENE	RAL	PL	AN	ян	EET	2	0F 20

X47262

225 Sheet No. **DEPARTMENT OF TRANSPORTATION** Sheet No. 2-2.12 Typical Cross Sections Sheet No. 3-3.2 Estimate of Quantities Sheet No. 3A-3G Miscellaneous Quantities **DIVISION OF HIGHWAYS** Sheet No. 4-4.9 Right of Way Plat Sheet No. 5-19 Plan and Profile Sta. 822N+00 to Sta. 948N+00 AND STA. 308E+01.8 TO STA. 351E+90.5 Sheet No. 20-20.II Standard Details Sheet No. 21-116 Drainage Structures Sheet No. 117-225 Cross Sections PLAN AND PROFILE OF PROPOSED CHETEK-HAUGEN ROAD (C.T.H. "00"- S.T.H. 48) U.S.H. 53 - BARRON COUNTY PROJECT IDENTIFICATION NUMBER FEDERAL PROJECT DESIGNATION 1197-6-7, 72, 7 DPF 08-4(41) GN CONTROL OF ACCESS BARRON-CTH "M" ROAD (U.S.H. 53 - CAMERON) USH 8 - BARRON COUNTY PROJECT IDENTIFICATION NUMBER FEDERAL PROJECT DESIGNATION 1572-1-1,72 F 02I-I(57) Design Designation CONTROL OF ACCESS = FULL - 5, 200 ADT (1968) = A. D. T. (1975) 8,800 **-** 7,800 ADT (1996) A. D. T (1995) ± 1, 180 1.320 60% 60% * N. 97990. 19 * E. 1547216.97 APPROX. 1380'S AND 580'E.. OF THE N.W. COR. OF SEC. 20, T.34N., R11W. 10% 4.7% 80 MPH BEGINNING OF PROJECT 1572-1-71/F021-1(57)

STA. 308+01.8 E.B. ©.

N. 88448.56

E. 1549958.90

APPROX. 560'N. AND 1600'W. OF THE S.E. COR. OF SEC. 29, T.34N., R.11W. EQUATION. END OF PROJECT 1572-1-71/FO21-1 (57)

STA. 351+90.5 E.B. ©

* N. 89343, 35

* E. 1554231, 18 EGINNING OF PROJECT 1197-6-71 / DPF 08-4 (41) APPORX. 1110'SOUTH OF SEC. 28, T. 34N., R. 11W. DIVISION OF HIGHWAYS APPROX. 250'S. AND 580'E. OF THE CENTER OF SEC. 32, T. 34N., R11W. Conventional Signs State Line Culverts Required.... Drop Inlet Township or Range Line _ _ _ _ _ _ Power Pole..... Section Line Present Right of Way Line. _____ Wire Fence \{\{\text{Woven} \cdots \c Layout Hedge.... Corporate or City Limits Property Line Pt - 326

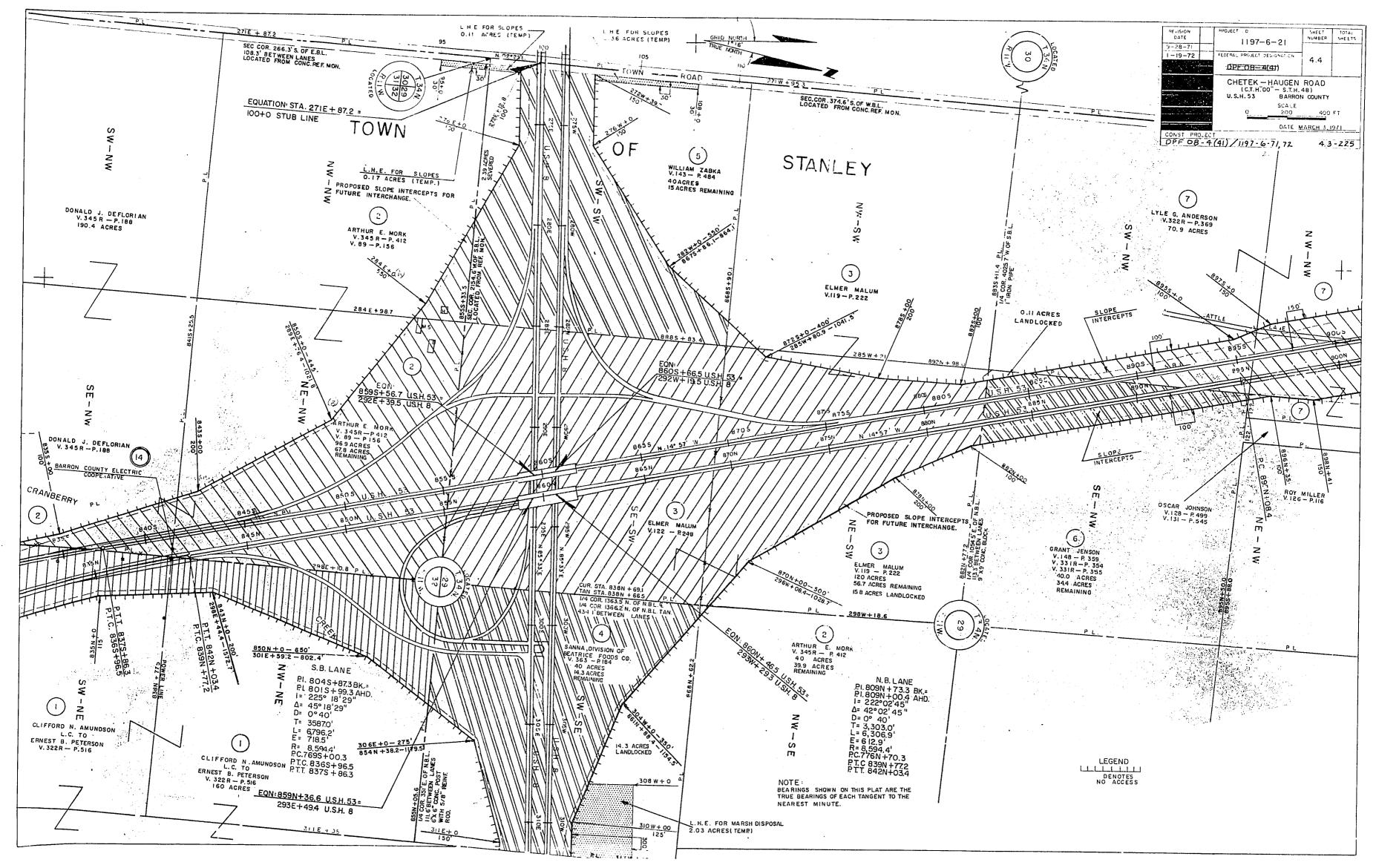
Traveled Way or P.E. BUREAU OF PUBLIC ROADS NET LENGTH OF CENTERLINE = 2.341 MILES. 1197-6-71 USH 53 Railroads Base or Survey Line Division Engineer

STATE OF WISCONSIN

Index of Sheets

PROJECT IS TO BE /ED MARCH 3. 1969. FEDERAL										TRUCTIO				NTITIE		OF 1969	CONTRACT NO. 2 STRUCTURES B-3-37, B-3-38, B-3-62 & B-3-63	PROJECT 10 SHEET SHEET
STATION TO STATION	NET LENGTH OF CENTER LINE																	
ITEM NO UNIT						•			,									
				BRIDGES	(STRUCTUR	ES OVER	20FT SP	ΔΝ)										
STRUCTURE NUMBERS	EXCAVATION FOR STRUCTURES	GRANULAR BACKFILL		DAD CTEEL	1	STRUCTURAL LOW-ALLOY STEEL	1	T	PREBORING. CAST-IN-PLACE CONCRETE PILING	SLOPE PAVING CRUSHED AGGREGATE	FIELD OFFICE TYPE A	TUBULAR RAILING TYPE J	NEOPRENE PRE-MOULDED SEAL	STEEL PILING, DELIVERED AND DRIVEN HP 10 INCH X 42 LB.	CAST-IN-PLA CE CONCRETE PILING. DELIVERED & DRIVEN 10 3/4 INCH	ON THE JOB TRAINING	·	
	20601 C. Y.	20901 C. Y.	50201 C. Y.	50501 LB. /C/o.5	50601	50605 LB.	50614 LB.	50621 S.F.	51020 L.F.	60405 S. Y.	64201 L. S.	90001 L.F.	90002 L.F.	90003 L. F.	90004 L. F.	90005 HOURS		
B-3-37	290	320	597	184.770	230.700	50.750	174	29		277	1	557	87	1.980	L. 7 .	1,000		
B-3-38	460	570	1.043	205.160	420.710	92. 520	313	52		490		557	162	3.690				
TOTAL PROJ. DPF08-4(41)	750	890	1.640	309.930	651.410	143, 270	487	81		767	1	1.114	249	5. 670		1,000		
																· · · · · ·		
B-3-62	226		485	97.650 97.850	450				281			276 276			1.860			
B-3-63	. 226		486		450										1.860			
TOTAL PROJ F021-1(57)	452		971	195.500	900				563			552			3. 720			
PLAN TOTAL	1.202	890	2.611	(505.430)	652.310	143. 270	487	81	563	767	1	1,666	249	5. 670	3. 720	1,000		
		•		LERR	OR IN	QUANT T 20	-ITY 4 18:				,,,				,			•
																	——————————————————————————————————————	
																y= v		
				<u></u>				,				,						
									·									

STA	NDARD	ABBREVIATIONS										··			SHEET NUMBER	TOTAL SHEETS
A BANDON A B S T R A C T	ABND. ABS.	MAILING ADDRESS MANHOLE	#0000 M. H.				SCH	EDULE	OF LANDS A	AND IN	NTERES	TS REQUIRED	DP F08-4(41)/119	7-6-71,72	4	225
ACCESS POINT ACRES	A.P. AC. ADD.	MANUFACTURING [*] MAXIMUM MEASURED .	MFG. MAX. (M)	PARCEL NUMBER	' SHEET NUMBER	OWNER	INTEREST REQUIRED	ACRES		PARCEL NUMBER	SHEET NUMBER	OWNER	INTEREST REQUIRED	ACRES	OPERATI PROJECT	
ADDITION AGRICULTURAL AHEAD	AGRI. AH,	MILE MILK ROOM	MI. M. R.	1 2	4.3 & 4.4 4.3 & 4.4	CLIFFORD N. AMUNDSON ARTHUR E. MORK	FEE & ACCESS RIGHTS		1197-6-21				OFFICI	AL PLAT ON	FILE WITH	-
AND OTHERS	ET. AL	MINIMUM	MIN. MON.	3	4.4	ELMER MALUM	FEE & ACCESS RIGHTS	1 -	1197-6-21		:	·	THE REG	ISTER OF DE	EDS OFFIC	JE]
AND WIFE APARTMENT	ET. UX. APT.	MONUMENT MOTEL .	MO.	4	4.4	SANNA, DIV. OF BEATRICE FOODS CO WILLIAM ZABKA	FEE, L.H.E. & ACCESS RIGHT		1197-6-21 1197-6-21	t	!					
ASSUMED AUXILIARY REFERENCE LINE	(A) A. k	MUNICIPAL NORTHEAST	MCPL NE	6	4.4	GR INT JENSON	FEE & ACCESS RIGHTS	1	1197-6-21		•					
AVENUE BACK	AVĒ. BK.	NORTHWEST NUMBER	NV NO.	7 8	4.4 & 4.5	LYLE G. ANDERSON CHARLES MILLS	FEE & ACCESS RIGHTS		1197 6-21 1197-6-21		:				}	
BARN	B.	OUTLOT	O. L. PLL.	- 9 -	4.5	REUBEN BERZILL	FEE & \CCESS RIGHTS	1	1197-6-21	•		and the second s				•
BASE LINE BEARING LONG CHORD	ը B. L. C.	PARALLEL PAVEMENT	PAV'T.	10	4.5	CHARLES COOK	FEE, LHE & ACCESS RIGHT	1	1197-6-21			, and the second				
BITUMINOUS BLOCK	BIT. BLK.	PERMANENT POINT OF CURVATURE	PERM. P. C.	11	4.5	WILLIAM D. BUTLER TOWN OF STANLEY	L. H. E. FEE & ACCESS RIGHTS	122	1197-6-21 1197-6-21		•	,			-	
BOULEVARD	BLVD. BRK.	POINT OF INTERSECTION POINT OF TANGENCY	P. I. P. T.	13	4.5	NORTHERN STATES POWER CO.	RELEASE OF RIGHTS		1197-6-40		ļ					
BRICK BUILDINGS	BLDGS.	POINT OF COMPOUND CURVE	P. C. C.	14	4.3 & 4.4	B \RRON CO. ELECTRIC CO-OP CHIBARDUN TELEPHONE COMPANY	RELEASE OF RIGHTS RELEASE OF RIGHTS		. 1197-6-40 1197-6-40	•						-
CATCH BASIN CEMETERY	C.B. CEM.	POINT OF REVERSE CURVE POINT ON CURVE	P. R. C. P. O. C.	16	4.5	SOO LINE RAILROAD	AGREEMENT		1197-6-50	Ì		· · · · · · · · · · · · · · · · · · ·				7
CENTERLINE CENTRAL ANGLE	♦	PRIVATE DRIVE PROJECT	P. D. PROJ.				-	}			1					-
CHANNEL CHANNEL CHANGE	CH. CH. CH.	PROPERTY LINE QUIT CLAIM DEED	P. L. Q. C. D.					İ	1 1							
CHICKEN HOUSE	C. H.	RADIUS	R					-		.	1					
COMMERCIAL COMPANY	COMM. COM.	RAILROAD RAILWAY	RR. RY.		-	· · · · · · · · · · · · · · · · · · ·	-	ļ	4		ļ	water with				
COMPUTED CONCRETE	(C) CONC.	REFERENCE LINE RELOCATED	ŀ[REL				-	!	1. 41		•					
CONSTRUCTION CORN CRIB	CONST. C. C.	REQUIRED RESIDENTIAL	REQ'D. RES.						•							
CORNER	COR.	RESTAURANT	REST.	!				1)	
CORPORATION CORRUGATED	CORP. CORR.	RIGHT RIGHT OF WAY	RT. R∕W	<u> </u>		The second secon		ŀ	<u> </u>							
COUNTY COUNTY TRUNK HIGHWAY	CO. C. T. H.	ROAD ROADWAY	RD. RDWY.		_											
CREEK	CR.	SANITARY SCALED	SAN. (S)						1		į					
CULVERT DEED	CULV. (D)	SCHOOL	SCH.					ļ		!			- 			
DEGREE OF CURVE DISPOSAL	D DISP.	SECTION SERVICE STATION	SEC. S.S.								!					
DISTRICT DRIVE	DIST. DR.	SEPTIC TANK SIDEWALK	SEP. SWK.					Ì			1					
DRIVEWAY	DWY.	SHED SOUTHEAST	S. SE	}				[1						
ESTATE EXISTING	EST. EX.	SOUTHWEST	SW	L	L1			1								
EXTERNAL DISTANCE FACTORY	E FACT.	SPECIAL CROSSING SPECIAL DRIVE	S.C. S.D.			CONVENTIONA	. SIGNS				!	· · •				
FEDERAL AID PROJECT FIELD ENTRANCE	F. A. P. F. E.	SQUARE STANDARD	SQ. STD.	STATE LINE		HIGHWAY H	IGHWAY TE CEMETER	Υ	<u>Cem.</u>							
FIRE HYDRANT	F. H.	STATE TRUNK HIGHWAY	S.T.H. STA.	COUNTY LINE		HICHWAY	FOUNDA		_Fdn Gas Pump				1.			
FOOT (FEET) FOUNDATION	FT. FDN.	STATION STORY	STY	TOWNSHIP AN	D RANGE LIN	OVERPASS	, ,	AP ISLAND	type	İ	i			 		1
FRAME GARAGE	FR. G.	STREET SUBDIVISION	ST. Subd.	SECTION LINE QUARTER LINE		RAIL LINE OVERPASS	BUILDIN IRON PI		I.P.							
GOVERNMENT GREEN HOUSE	GOV'T. G. H.	SURVEY TANGENT	(S) TAN.	SIXTEENTH LIN		- ALL OTHER	PUMEN I		•				•			
HIGHWAY	HWY.	TANGENT LENGTH OF CURVE TAPER	TAP.	NEW CENTERLI		BRIDGES		NE POLE	•							
HOTEL HOUSE	НО. Н.	TAVERN	TAV.	NEW RAW LINE		STREAM OR RIVER	name RAIL LIN	ŧΕ								
HOUSE TRAILER INCHES	H.T. IN.	TEMPORARY TRANSIT LINE	TEMP. L	OLD RAW LINE			TRANSM	ISSION TOV	VER , , ,			POVICION	•			
INCORPORATED INCLUSIVE	INC. INCL	TRANSMISSION TOWER UNITED STATES COAST & GEODETIC SURVEY	T. T. U. S. C. & G. S.	PROPERTY LIN			HAIDEDC					REVISION DATE	STATE OF WISCONSI DEPARTMENT OF TRANSPO			
INTERSECTION ANGLE	1	UNITED STATES GEOLOGICAL SURVEY UNITED STATE HIGHWAY	U.S.G.S. U.S.Highway	CORPORATE LI SLOPE INTERC		Stope intercept CATTLE PAS	CABLE V		/- -			9-28-71	DIVISION OF HIGH	WAYS		
INTERSTATE HIGHWAY IRON PIN	1. H. 1. P.	VENDEE	VDE.	LOT, TIE AND		R RELOCATE STREAM OR	RIVER -		⊞			PLA	OF RIGHT OF WA	Y REQL	JIRED	
ISLAND LEFT	IS. LT.	VENDOR VITRIFIED	VDR. VIT.	DASHED LINES		TRAVELED \\ Shown only	AY A-COSTILL	ONUN'ENT FANK	. £				PROJECT I.D. 1197—6			
LENGTH OF CURVE LESSEE 1	L LSE.	WAREHOUSE WATER TOWER	WH. W.T.	UNDERGROUND (POWER, TELEP		Name or Type Frontage Ro	ds, Interchanges WINDAM		8				CHETEK HAUGEN R)	•	
LESSOR	LSR.	WELL	W.	TELEGRAPH, G		or Dual Land	5)		-				U.S. 53 BARRON CO	YTNU		
LIMITED HIGHWAY EASEMENT MACHINERY SHED	L. H. E. M. S.	WINDWILL	WM. WD.	NO ACCESS		100000000000000000000000000000000000000							SC ALE 0 200	400		1
MAGNETIC .	MAG.			LIMITED HIGH	WAY EASEME	NT L						ENOTH 2.551 M			D MARCH 3	J, [97]



STANDARD ABBREVIATIONS

	4.0.4.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0	ADMD	MAILING ADDRESS	#0000
	ABANDON	ABND.	HULLETTO HODINGS	M. H.
	ABSTRACT	ABS.	110 111 10 CL	MFG.
	ACCESS POINT	A. P.	Militaria Commo	MAX.
	ACRES	AC.	HMATHOR	(M)
	ADDITION	ADD.	MOTOCKED	MI.
	AGRICULTURAL	AGRI.	***************************************	M. R.
	AHEA D	AH.	MIER ROOM	
	AND OTHERS	ET. AL.		MIN.
	AND WIFE	ET. UX.	11101101116111	MON.
	APARTMENT	APT.	MOTEL	MO.
	ASSUMED	(A)	1110111011111	MCPL
	AUXILIARY REFERENCE LINE	A.R	1101(111013)	NE
	AVENUE	AVĒ.	110111111111111111111111111111111111111	NW
	BACK	BK.	NUMBER	NO.
	BARN	В.		0. L.
	BASE LINE	B	PARALLEL	PLL
	BEARING LONG CHORD	В. L. С.	PAVEMENT	PAV'T.
	BITUMINOUS	BIT.	PERMANENT	PERM.
	BLOCK	BLK.	POINT OF CURVATURE	P.C.
	BOULEVARD	BLV D.	POINT OF INTERSECTION	P. I.
	BRICK	BRK.	POINT OF TANGENCY	P.T.
	BUILDINGS	BLDGS.	POINT OF COMPOUND CURVE	P.C.C.
		C. B.		P.R.C.
	CATCH BASIN	C. D. CEM.		P. O. C.
	CEMETERY	€		P. D.
	CENTERLINE		PROJECT	PROJ.
	CENTRAL ANGLE	Δ		P. L.
	CHANNEL	CH.	PROPERTY LINE	Q. C. D.
	CHANNEL CHANGE	CH. CH.	QUIT CLAIM DEED	R. C. D.
	CHICKEN HOUSE	C.H.	RADIUS	RR.
	COMMERCIAL	COMM.	RAILROAD	
	COMPANY	COM.	RAILWAY	RY.
	COMPUTED	(C)	REFERENCE LINE	PL.
•	CONCRETE	CONC.	RELOCATED	REL.
	CONSTRUCTION	CONST.	REQUIRED	REQ'D.
	CORN CRIB	C. C.	RESIDENTIAL	RES.
	CORNER	COR.	RESTAURANT	REST.
	CORPORATION	CORP.	RIGHT .	RT.
	CORRUGATED	CORR.	RIGHT OF WAY	R/W
	COUNTY	CO.	ROAD	RD.
	COUNTY TRUNK HIGHWAY	C. T. H.	ROADWAY	RDWY.
	CREEK	CR.	SANITARY	SAN.
	CULVERT	CULV.	SCALED	(S)
	DEED	(D)	SCHOOL	SCH.
	DEGREE OF CURVE	D	SECTION	SEC.
		DISP.	SERVICE STATION	S.S.
	DISPOSAL	DIST.	SEPTIC TANK	SEP.
	DISTRICT	DR.	SIDEWALK	SWK.
	DRIVE	DWY.	SHED	S.
	DRIVEWAY		*****	SE
	ESTATE	EST.	SOUTHEAST	SW
	EXISTING	EX.	SOUTHWEST .	S.C.
	EXTERNAL DISTANCE	E	SPECIAL CROSSING	S. D.
	FACTORY	FACT.	SPECIAL DRIVE	
	FEDERAL AID PROJECT	F. A. P.	SQUARE	SQ.
	FIELD ENTRANCE	F. E.	STANDARD	STD.
	FIRE HYDRANT	F. H.	STATE TRUNK HIGHWAY	S.T.H.
	FOOT (FEET)	FT.	STATION	STA.
	FOUNDATION	FDN.	STORY -	STY
	FRAME	FR.	STREET	ST.
	GARAGE	G.	SUBDIVISION	SUBD.
	GOVERNMENT	GOV'T.	SURVEY	(S)
	GREEN HOUSE	G.H.	TANGENT	TAN.
	HIGHWAY	HWY.	TANGENT LENGTH OF CURVE	T
	HOTEL	но.	TAPER	TAP.
	HOUSE	н.	TAVERN	TAV.
	HOUSE TRAILER	H.T.	TEMPORARY	TEMP.
	INCHES	IN.	TRANSIT LINE	L
	INCORPORATED	INC.	TRANSMISSION TOWER	T. T.
	INCLUSIVE	INCL	UNITED STATES COAST & GEODETIC SURVEY	U.S.C.&G.S.
	INTERSECTION ANGLE	1	UNITED STATES GEOLOGICAL SURVEY	U.S.G.S.
	INTERSTATE HIGHWAY	і. н.	UNITED STATE HIGHWAY	U.S. Highway
	IRON PIN	I. P.	VENDEE	VDE.
		is.	VENDOR	VDR.
	ISLAND	LT.	VITRIFIED	VIT.
	LEFT LENGTH OF CURVE	LI.	WAREHOUSE	WH.
		L LSE.	WATER TOWER	W. T.
	[F22cc	LSR.	WELL	w.
	LESSOR LIMITED HIGHWAY EASEMENT	LJN.	WINDMILL ,	wm.
	LIMITED HIGHWAT ENSEMENT	⊾.П.С. М С	WOOD	WD.
	MACHINERY SHED	M.S. MAG.		
ı	MAGNETIC	MAG.		

SCHEDULE OF LANDS AND INTERESTS REQUIRED

PARCEL

NUMBER

38

39

40

41

NUMBER

4.10

4.9

4.9

VIOLA G. GEBARDT

ALCUIN F. WEISSER

ERMIN HANSEN (SEE PARCEL 20)

ROBERT W. CASE

			3CHE	טטננ (JE LANDS
PA RCEL NUMBER	SHEET NUMBER	OWNER	INTEREST REQUIRED	ACRES	OPERATIONS PROJECT I.D.
	4.4	MABEL SCHWAHN ET. AL.	FEE	3.32	1572-1-21
2	4.4	JAMES G. WHITEFORD	FEE	6.94	1572-1-21
3	4.484.5	JEROME W. JACKSON	FEE & ACCESS RIGHTS	1.25	1572-1-21
4	4.4	LLOYD G. ERICKSON	FEE & ACCESS RIGHTS	8.16	1572-1-21
5	4.5	ARTHUR FRISINGER	FEE, LHE., & ACCESS RIGHTS	29.07	1572-1-21
6	4.5	R.W. BARTLETT	FEE, L.H.E., & ACCESS RIGHTS		1572-1-21
7	4 5	ROBERT BRYNGELSON	FEE & ACCESS RIGHTS	0.75	1572-1-21
8	4.5	VERNON BRYNGELSON	FEE, L.H.E., ACCESS RIGHTS	5.62	1572-1-21
9	4.5	KENNETH M. JUVE	FEE, L.H.E., & ACCESS RIGHTS	2.88	1572-1-21
10	4.5	EDWARD J. CHERMACK	FEE & ACCESS RIGHTS	8.59	1572-1-21
11	4.6	ELMER O. HUSSET	FEE & ACCESS RIGHTS	10.66	1572-1-21
12	4.6	GARY GRANUM	FEE, L.H.E., & ACCESS RIGHTS	8. 98	1572-1-21
13	4.6	DONALD J. DEFLORIAN	L. H. E.		1572-1-21
14	4884.9	VILLAGE OF CAMERON	FEE, L.H.E., & ACCESS RIGHTS	5.41	1572-1-21
15	4.8	LYLE H. KISLING	FEE & ACCESS RIGHTS	17.97	1572-1-21
. 16	4 8	P. & B. INC.	FEE & ACCESS RIGHTS	1.06	1572-1-21
17	4.8	CHICAGO & NORTHWESTERN RAILROAD	AGREEMENT		1572-1-21
18	4884.9	JEROME TURKEY FARMS, INC.	FEE, L. H.E. & ACCESS RIGHTS	12.96	1572-1-21
19	4 8	JOSEPH OPSAHL	L. H. E.		1572-1-21
20	4.9	ERMIN HANSEN (SEE PARCEL 41)	FEE, L.HE., & ACCESS RIGHTS	15.13	1572-1-21
	-				
23	4.9	EDWARD P. KLEIN	FEE ,L.H.E., & ACCESS RIGHTS	0.29	1572-1-21
24	4.9	REX W. GEBAUER	FEE & ACCESS RIGHTS	5:09	1572-1-21
25	4.98.4.10	JOSEPH L. SCHEYNOST	FEE, L.HE . ACCESS RIGHTS	10.88	1572-1-21
26	4.10	ROGER KIRCKOF	FEE	0.99	1572-1-21
· 27	4 10	ALVIN HAGNA	FEE,L.H.E., & ACCESS RIGHTS	0.10	1572-1-21
28	4.10	G. W. CUTSFORTH	FEE & ACCESS RIGHTS	0.18	1572-1-21
29	4 10	THADDEUS J. ZAJAC	FEE & ACCESS RIGHTS	11.87	1572-1-21
30	4.10	ARTHUR R. HEGNA	FEE & ACCESS RIGHTS	2.24	1572-1-21
31	4.10	LAZY "A" RANCH	FEE B. ACCESS RIGHTS	0.20	1572-1-21
32	4.10	THADDEUS J. GONSOWSKI	L . H. E.		1572-1-21
33	410	ARLIE WETZEL	L. H. E .		1572-1-21
34	4.6 8 4.10	BARRON COUNTY ELECTRIC COOPERATIVE			1572-1-

1572-1-1572-1-1572-1-

CONVENTIONAL SIGNS

RELEASE OF RIGHTS

RELEASE OF RIGHTS

44 1.49 NORTHERN STATES POWER COMPANY

LIMITED HIGHWAY EASEMENT Later

NORTHERN NATURAL GAS COMPANY

37 4.8 4.9 CHIBARDUN TELEPHONE COMPANYING, RELEASE OF RIGHTS

36 4.5

NO ACCESS

STATE OF WISCONSIN

DEPARTMENT OF TRANSPORTATION* DIVISION OF HIGHWAYS PLAT OF RIGHT OF WAY REQUIRED PROJECT I.D. 1572 - 1-21

F021-1 (57)/1572-1-71,72

ACRES

INTEREST REQUIRED

L.H.E

L. H. E.

L.H.E.

L. H. E.

4.5 225

OPERATIONS PROJECT I.D.

1572-1-21

1572-1-21

1572-1-21

1572-1-21

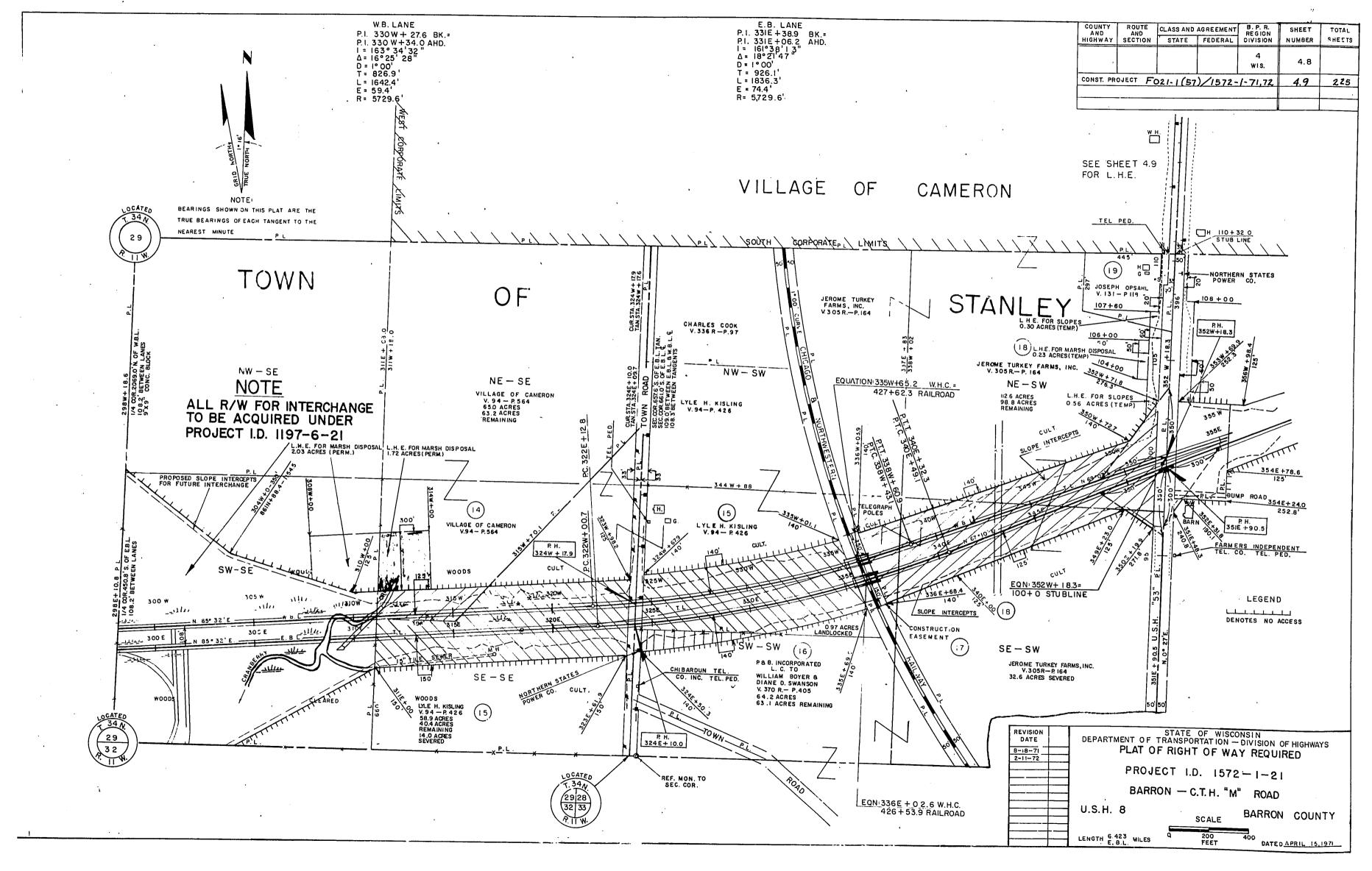
BARRON - C.T.H. "M" ROAD

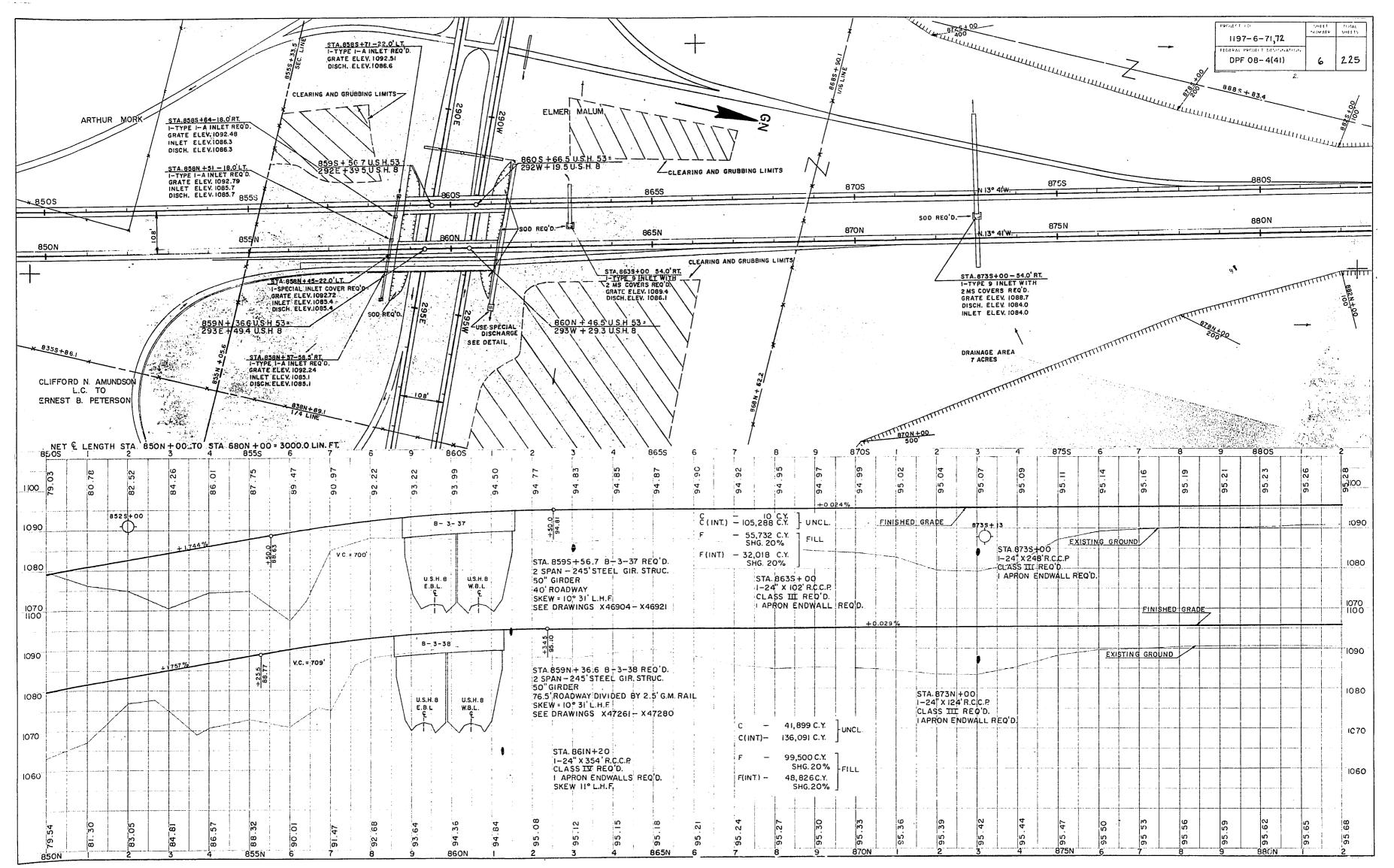
U. S.H. 8

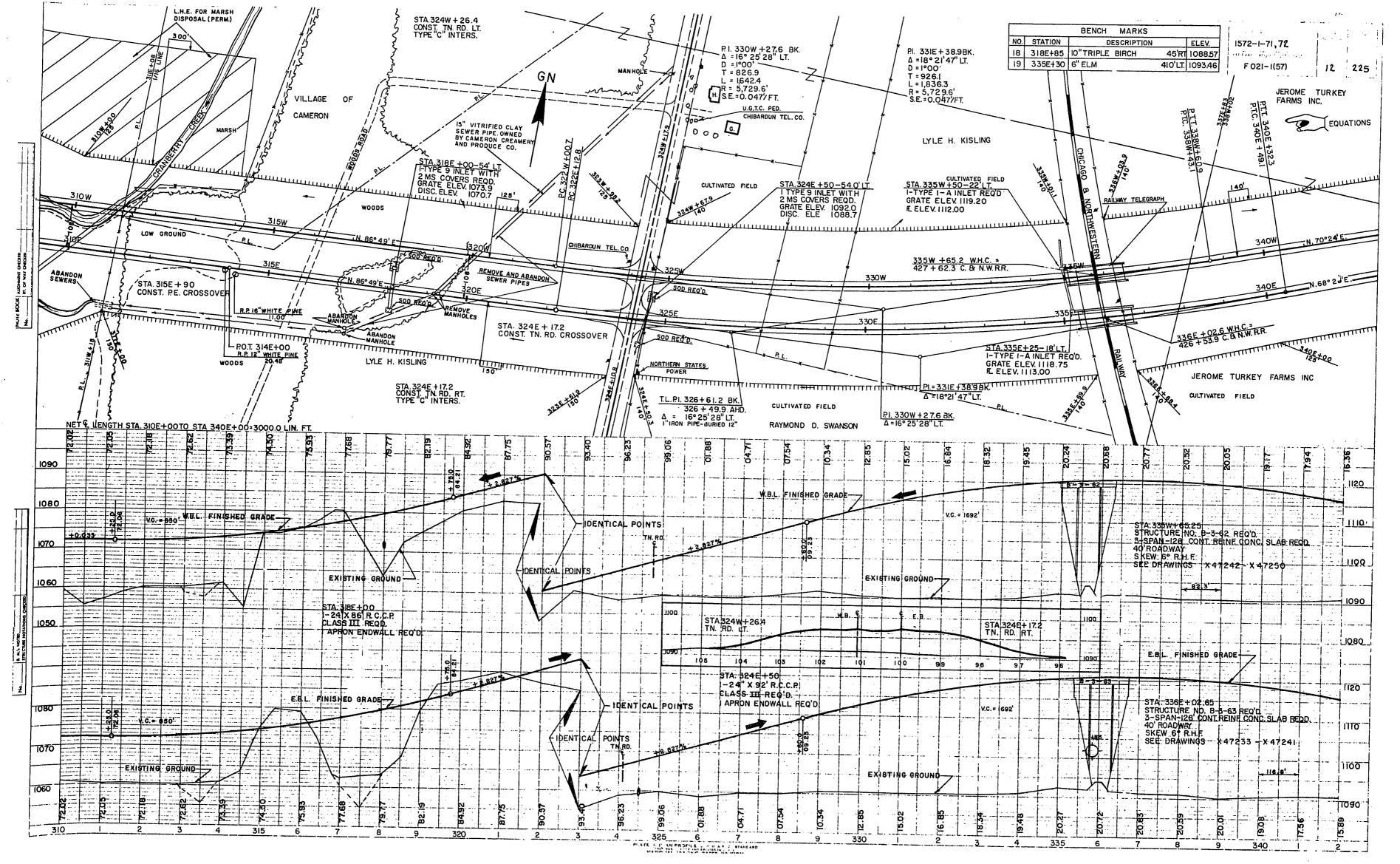
BARRON COUNTY SCALE

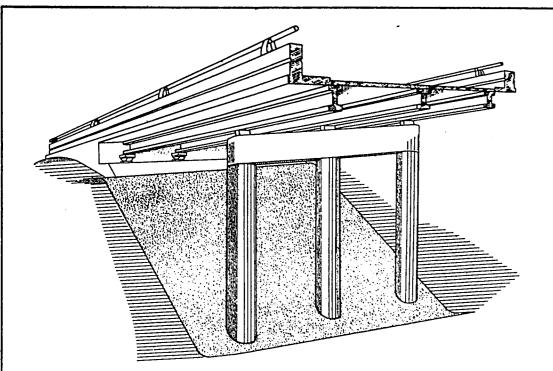
LENGTH E.B.L. MILES

DATED APRIL 15, 1971

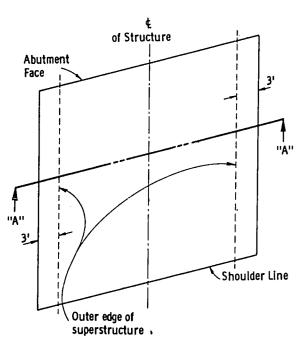




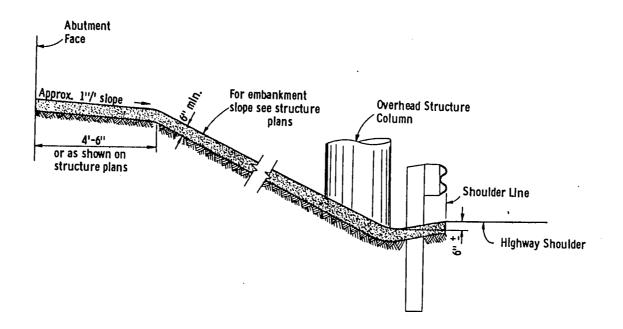




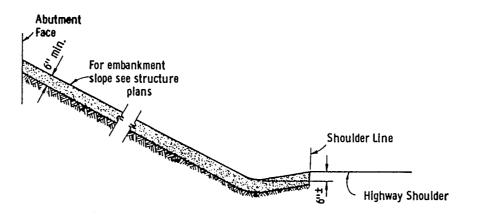
TYPICAL LOCATION DIAGRAM FOR SLOPE PAVING UNDER STRUCTURES



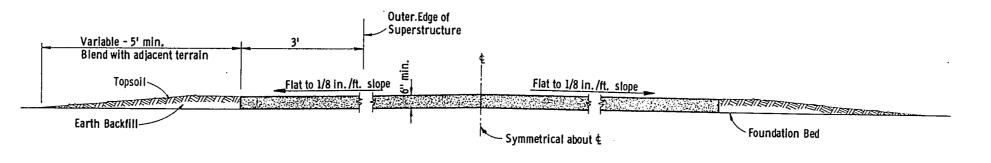
PLAN VIEW



TYPICAL RURAL SECTION HIGHWAY GRADE SEPARATION SILL TYPE ABUTMENT



TYPICAL RURAL SECTION HIGHWAY GRADE SEPARATION SEMI-RETAINING TYPE ABUTMENT



SECTION "A"-"A"

GENERAL NOTES

Details of construction not shown hereon shall conform to the pertinent requirements or the Standard Specifications and the applicable Special Provisions.

CRUSHED STONE

The material shall conform to the gradation requirements for coarse aggregate for concrete masonry, size No. 2 of either series No. 1 or series No. 2.

BITUMINOUS MATERIAL

The upper portion of the paving shall be stabilized by means of an application of bituminous material conforming to the requirements of the applicable Standard Specification or Special Provisions. The bituminous material shall be applied at a rate sufficient to assure penetration into and binding together of the particles in the upper two inches of the crushed stone. The surface of the adjacent structure shall be protected so as to prevent their being splattered or discolored with bituminous material.

METHOD OF MEASUREMENT & PAYMENT

This work shall be measured and paid for by the square yard, which yardage shall be the summation of the total area measured on the plane of the surface thereof, and as provided for in the Standard Specifications and applicable Special Provisions.

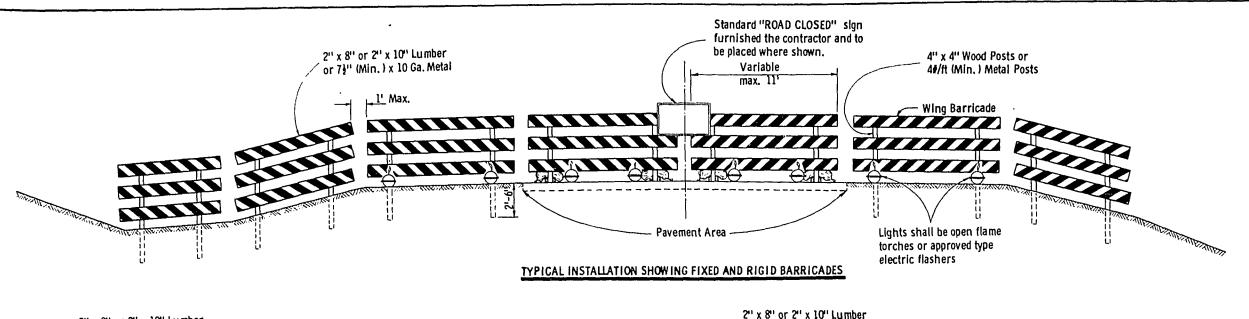
SLOPE PAVING CRUSHED STONE

State of Wisconsin
Department of Transportation
Division of Highways

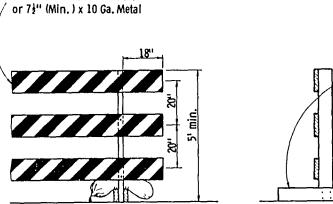
1/25/68

APPROVED
2/8/68

A Surmister



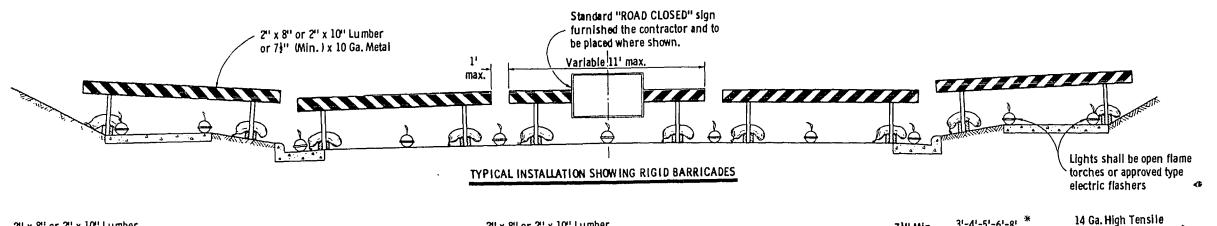
2" x 8" or 2" x 10" Lumber or 73" (Min.) x 10 Ga. Metal 2" x 6" Wood Frame



ALTERNATE TYPE INSTALLATION (DEMOUNTABLE)

CLASS I BARRICADES

ALTERNATE TYPE INSTALLATION (RIGID)



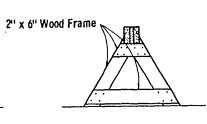
2" x 8" or 2" x 10" Lumber or 72" (Min.) x 10 Ga. Metal 2יי x 6יי Wood Frame Frame to be weighted down with sandbags only. ALTERNATE TYPE INSTALLATION (RIGID)

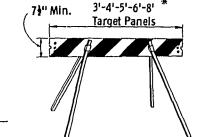
D.D.

15C1-1

or 71" (Min.) x 10 Ga. Metal

2" x 8" or 2" x 10" Lumber





Strength Steel Frame

2" x 6" Wood Frame

Frame to be weighted down with sandbags only.

Maximum length of combination panels 16'

ALTERNATE TYPE INSTALLATION (DEMOUNTABLE)

GENERAL NOTES

The contractor shall construct, place and maintain barricades as shown on the drawing and as required by the Standard Specifications or applicable Special Provisions.

CLASS 1 BARRICADE:

Class 1 Barricades shall be of variable length as indicated, and long barricades shall be assembled from these units. The Class 1 Barricade is the type normally required for major operations, where the barricade will remain in place for extended periods. Class 1 Barricades shall be used at points where the road is closed to traffic. Gates or movable sections of a barricade shall be provided when necessary, for access of equipment or other authorized vehicles.

Wing Barricades are Class 1 Barricades erected on the shoulder on one or both sides of the pavement to give Traffic the perceptive effect of a narrowing or restricted roadway. The ends closest to traffic of all three members of a wing barricade shall be in a vertical line. If used in a series, they should start at the outer edge of the shoulder and be brought progressively closer to the pavement. Wing Barricades may be used as a mounting for the advance warning or guide signs or for flashers. When used on two-way roadways, the back of the wing barricade shall be painted reflectorized white.

CLASS 11 BARRICADE:

Class 11 Barricades may be used only where the hazard to traffic is relatively small, and for the more or less continuous delimiting of a restricted roadway, or for temporary daytime use.

MATERIAL & FABRICATION:

Lumber shall be of a grade structurally sound and sufficiently rigid to satisfactorily support and maintain the purpose and intent of a barricade facility.

Metal shall be sufficiently rigid to satisfactorily support and maintain the purpose and intent of a

The fabrication of the barricade shall be in accord with good pertinent woodworking and metalworking practices.

All lumber or timber dimensions stated are nominal.

PAINTING:

All barricades shall be painted in alternate 4" or 6" black and white stripes at a 45° angle. The width of stripe shall be consistent for each complete barricade installation.

Black stripes shall be painted with weather resistant and durable black paint. White stripes shall be primed, followed by two coats of white reflectorized paint or reflective wide angle sheeting.

DIRECTION OF DIAGONAL STRIPES:

Where a barricade extends entirely across the roadway with no vehicle access provision, the stripes shall slope downward toward the highway centerline.

Where vehicle access is permitted, the stripes shall slope downward in the direction toward which vehicles must turn in detouring.

Where both right and left turns are provided for, the stripes shall slope downward in both directions from the center.

The stripes on wing barricades shall point downward toward the roadway.

Lighting devices for barricades shall conform to the requirements of the Standard Specifications.

MEASUREMENT & PAYMENT:

All barricades, unless otherwise provided for in the plans and/or special provisions shall be furnished, placed, and maintained as noted above, and no additional compensation will be allowed but shall be construed to be included in the price bid for other items.

Alternate black & white stripes. See General Notes for direction of stripes 4" or 6" but consistant for each barricade installation

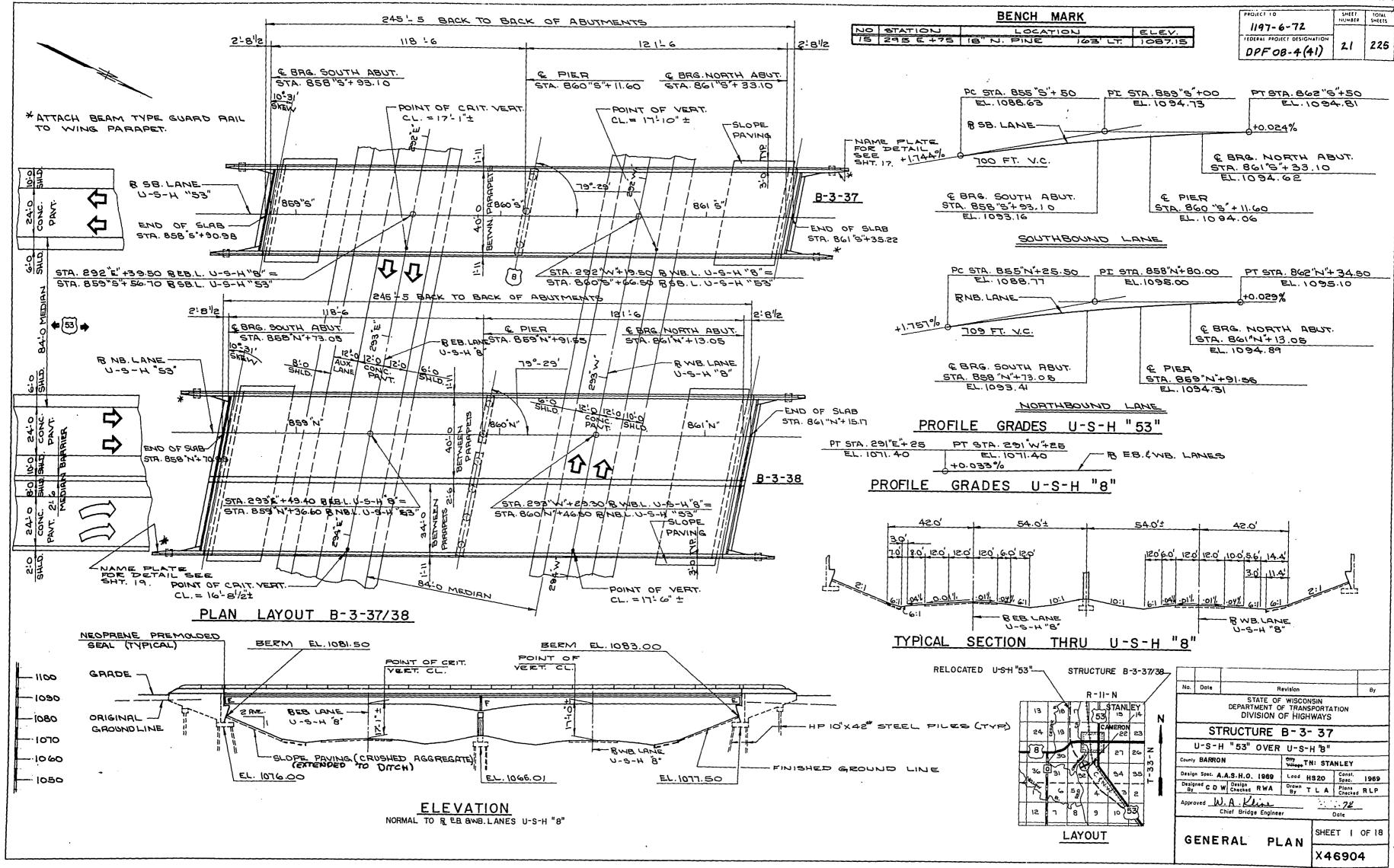
> TYPICAL DIAGONAL STRIPES Applies to all Classes & Types of Barricades

CONSTRUCTION BARRICADE

State Highway Commission of Wisconsin

1/11/67

ALTERNATE TYPE INSTALLATION (DEMOUNTABLE)



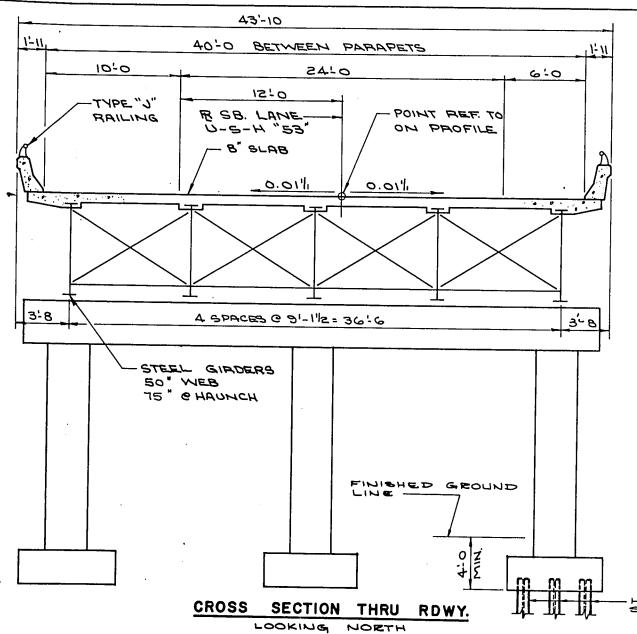
22 225

PROJECT ID

1197-6-72

FEDERAL PROJECT DESIGNATION

DPF 08-4 (41)



GENERAL NOTES

DEAVINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMDEADED 2" CLEAR UNLESS SHOWN OR NOTED

OTHERWISE.

OTHERWISE.

MENTS SHALL BE COVERED WITH SLOPE PAVING
CRUSHED AGGREGATE) TO THE EXTENT SHOWN ON
SHT. 14 IN THE ABUTMENT DETAILS.

CAVATION AT THE ABUTMENTS.

THE FINISHED GRADED SECTION WAS USED AS
THE UPPER LIMITS OF EXCAVATION FOR COMPUTATION
OF EXCAVATION QUANTITIES AT THE PIER.
AT ABUTMENTS ALL EXCAVATED VOLUME NOT OCCUPIED BY THE NEW ABUTMENT SHALL BE FILLED
WITH GRANULAR BACKFILL FOR PAY LIMITS SEE
SHT. W.

ALL FIELD CONNECTIONS SHALL BE MADE WITH 34" DIAMETER FRICTION TYPE HIGH-TENSILE STRENGTH BOLTS
UNLESS SHOWN OR NOTED OTHERWISE.

THE IT TO BELLEVED PARAPET STEEL (R 501 ETC) AT ABUTS. FROM ESTIMATE FOR 8-3-37. TOTAL WAS OMITTED 106, 483.6# SHOULD BE 506

HP 10" X 42" STEEL PILES (TYP)

TOTAL ESTIMATED QUANTITIES

BID ITEMS	I.i.i.					
	UNIT	SUPER	SO. ABUT.	PIER	NO. ABUT,	TOTAL
EXCAVATION FOR STRUCTURES	C.Y.		115	60	115	290
GRANULAR BACKFILL	C.Y.		160		160	320
CONCRETE MASONRY	C.Y.	B12.4	118.3	48.0	118.3	
BAR STEEL REINFORCEMENT	LB.	84,090	6970		6970	
STRUCTURAL CARBON STEEL	LB.	250,700			3-, 70	230,700
STRUCTURAL LOW-ALLOY STEEL		50,750				· · · · · · · · · · · · · · · · · · ·
LUBRICATED BRONZE PLATES	LB.					50,750
BEARING PADS	5. F.					174
NEOPRENE PRE-MOLDED SEAL	L.F.					29.
STEEL PILING, DELIVERED & DRIVEN						87
HP 10 INCH X 42 POUND	LF		675	630	675	1,980
TUBULAR RAILING, TYPE "J"	L.F.	557				·
SLOPE PAYING (CRUSHED AGGE)	B. Y.		100			557
			129		148	277
NON-BID ITEMS						·
ALUMINUM OR ZINC PLATE	5.F.	63				63
	SIZE					
POLYYINYL CHLORIDE WATERSTOP	L.F.		34		34	68

TRAFFIC VOLUME

U-S-H "53" U-S-H "8" 005,2 ----.T.O.A 0700 ----.T.Q.A R.D. S. --- 80 M.P.H.

LIST OF DRAWINGS

LIOT OF DIVATINGS	
I. GENERAL PLAN	-x46904
2. GENERAL PLAN -	- X46905
3. SUBSURFACE EXPLORATION	-×46906
4. SOUTH ABUTMENT	
5. SOUTH ABUTMENT	
G. SOUTH ABUTMENT-	-×46909
7. NORTH ABUTMENT-	
8. NORTH ABUTMENT-	
9 NORTH ABUTMENT	
IO DIES	- ×46913
11. SUPERSTRUCTURE	
12. SUPERSTRUCTURE	-×46915
15. BUPERSTRUCTURE	- × 46916
H. SUPERETRUCTURE	-×46917
15 BEARING DETAILS	- X 4 6 9 1 8
IG. NEOPRENE SEAL EXPANSION JOINT-	- X46919
17. SLOPED FACE PARAPET "A"	- X 4 6 9 2 O
18. TUBULAR RAILING TYPE 'J'	- X 4 6 9 Z I

DESIGN DATA

LIVE LOAD: HSSO ALLOWABLE DESIGN STRESSES: CONCRETE MASONRY, GRADE "AR", SLAB --1,200 P.S.I. ALL OTHER _1,400 P.S.I. BAR REINFORCING-_ 20,000 P.S.I. n=10 STRUCTURAL CARBON STEEL-... 20,000 PS.I. STRUCTURAL LOW ALLOY STEEL : TO AND INCLUDING 3/4" THICK-27,000 P.S.I. 3/4"TO AND INCLUDING I'Z"THICK-- 25,000 PS.I.

FOUNDATION DATA

HP O INCH X 42 POUND STEEL PILES EST. 3510"
LG. DEIVEN TO A MIN. BRG. VALUE OF 55 TONS/PILE.

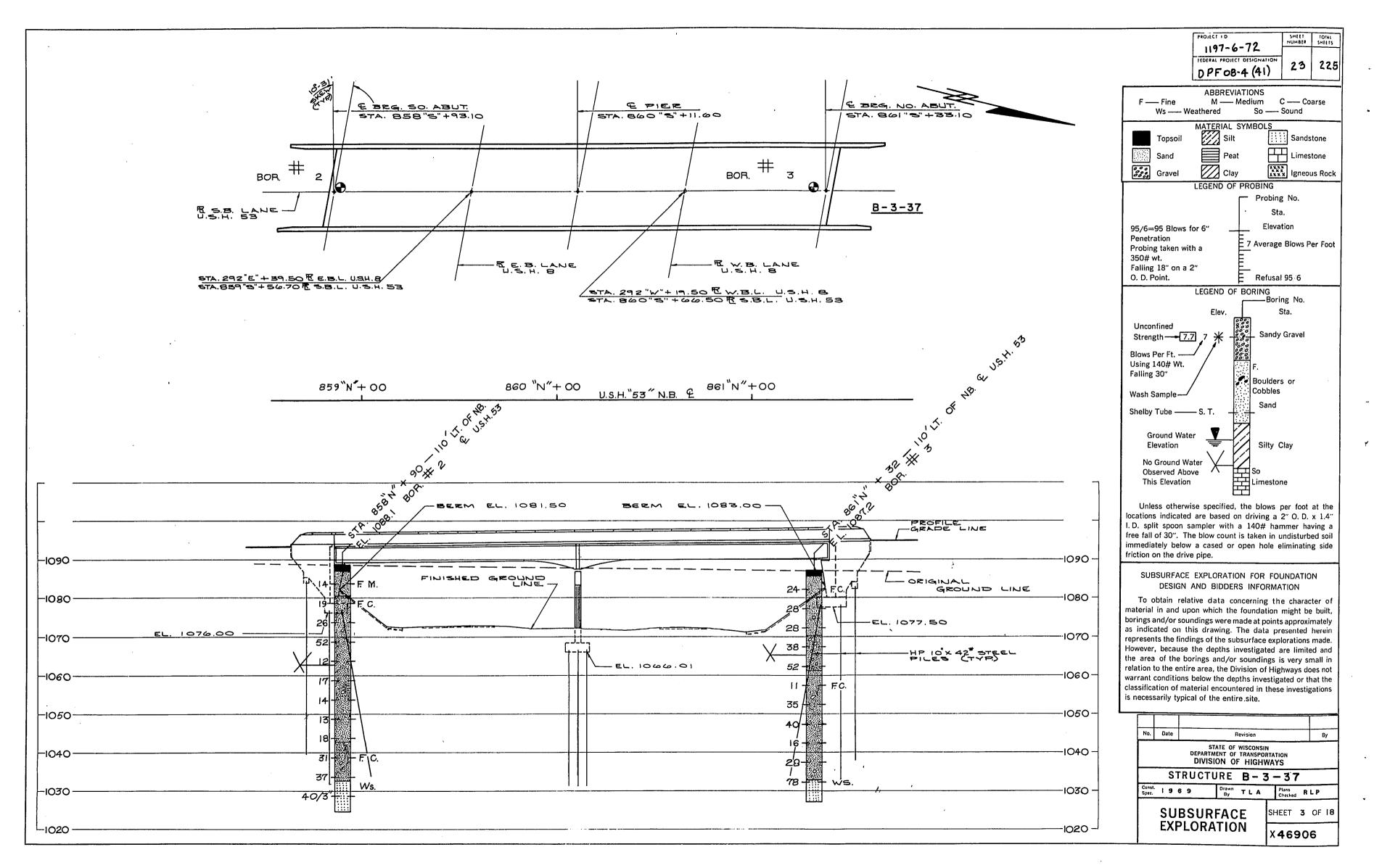
HP 10 INCH X 42 POUND STEEL PILES EST 4510"
LG. (DRIVEN TO A MIN. BRG. VALUE OF ES TONS/PILE

Na	Date		R	evision		Ву
		DEPAI	STATE OF RTMENT OF IVISION C	F TRANSI	PORTATION	
	S.	TRUC	TURE	D-3	- 37	

GENERAL PLAN

X46905

SHEET 2 OF 18



24

TOTAL SHEETS

225

PROJECT TO

1197-6-72

DPF08-4(41)

EDEPAL PROJECT DESIGNA

◆ POLYVINYL CHLORIDE WATERSTOP TO EXTEND BETWEEN WING FILLETS. (TO BE FLUSH WITH FACE OF CONC.) (IF OPT. CONST. IT. IS USED.) * ELEVS ARE GIVEN @ & OF BEG. *DIMENSIONS ARE GIVEN & F.F. ABUT, BACKWALL. - جے 1/16 POUR CONC. ABOVE THIS JOINT AFTER SUPER.
CONC. IS IN PLACE. STRIKE OFF LEVEL & LEAVE
ROUGH. OPTIONAL CONST. JOINT - FORMED BY SURFACED, BEVELED 2"x6" KEYWAY. € CONST. JOINT-FORMED BY SURFACED, BEVELED &"x 6" KEYWAY. POLYVINYL CHLORIDE WATERSTOP -W.T. EL. 1092.73 F.F. EL. 1092.94 F.EL. 1087.50 W.T. EL. 1092.76 -+ EL.1087.60 -+EL. 1087.61 __ EL. 1087.68 - YEL.1087.53 - A409 -A412 EDWY. CEOWN ----ASII @ I'O" CTES. A706 @ 1:0" CTES. A510 @ 1.0" CTES. A705 @ 9402 1:0"cres. PSOT & 3'-11" -63"x 2"x 5/16" - FOR DETAILS SEE SHT.16. 13 10117 A7010 P503 @ t OF BRG. ASII @ 1:0" CTES. IIII 1º0"CTES -PAVING NOTCH 1'0" CTES. NOTE: LAP Adoz & Adoq BRES A MIN. OF 24 BAR DIA: NOTE: SPACE ASO? BARSTO MISS ANCHOR BOLTS. NOTE: A704, A705, A706 !

A808 BARS PLACED BETWN TYPE
WING FILLETS. EL. 1076.00 A412 **ELEVATION** 111/ FUR (LOOKING SOUTH) A510 @ F. F. ABUT. TUP **②** 1:0" CTES. 28.5% 19:11 5/8" \bigcirc - REF. LINE "A" 10° 31' SKEW 1.0" CTRS. A706 C 1:0" CTRS. R.SB. LANE -PAVING NOTCH 麻原 —F.F. ABUT. BACKWALL EL. 1081.50-"O:E - & OF BRG. LEVEL SLOPE I" BETWN BRIDGE 2:0" SEATS (TYP.) SLOPE PRVING 13:7" (CRUSHED AGGREGATE)
SLOPE 2:1 /a:a" A704 @ <u> 9503</u> 1:0"CTES. A705 @ 1:0" CTES. 1.0" CTES. <u>. 1.1.1</u> € ROOI @ AdOE $\left(\mathcal{I}\right)$ 8"CTRS. 3 **(4)** BATTER 3" / FT. -1:3" E OF GIRDERS 7:2 5/16" 7:33/3" 9'3% 9:33/8 <u>8:0"</u> NOTE: PILES - HP IOX de STEEL "H" PILES. EST. 45:0" LG. I DRIVEN TO A MIN, BRG. VALUE OF SST / PILE. 18:5% 22:21/4" 19:8" 23.714" SECTION A-A

13:31/1"

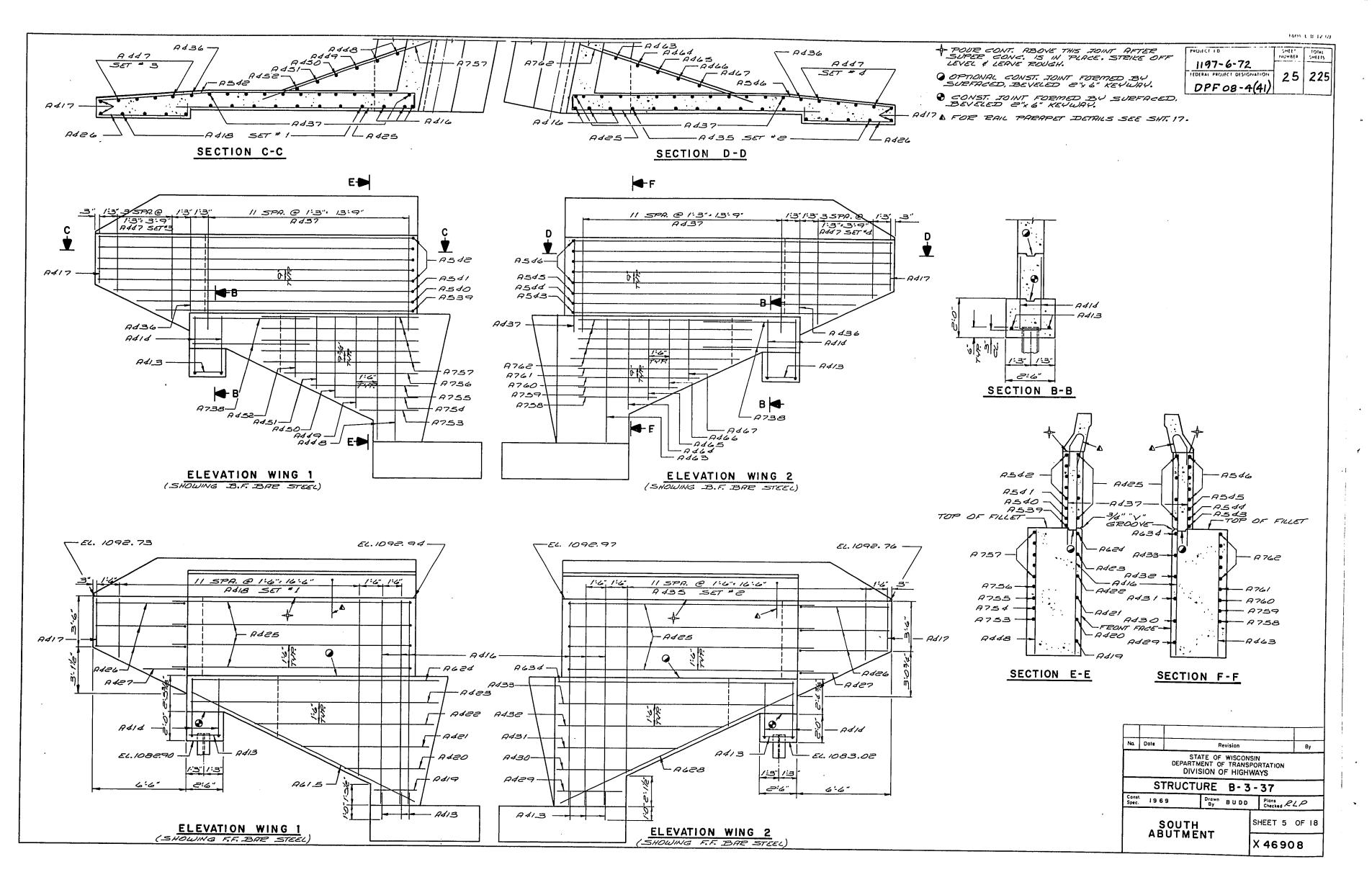
PLAN

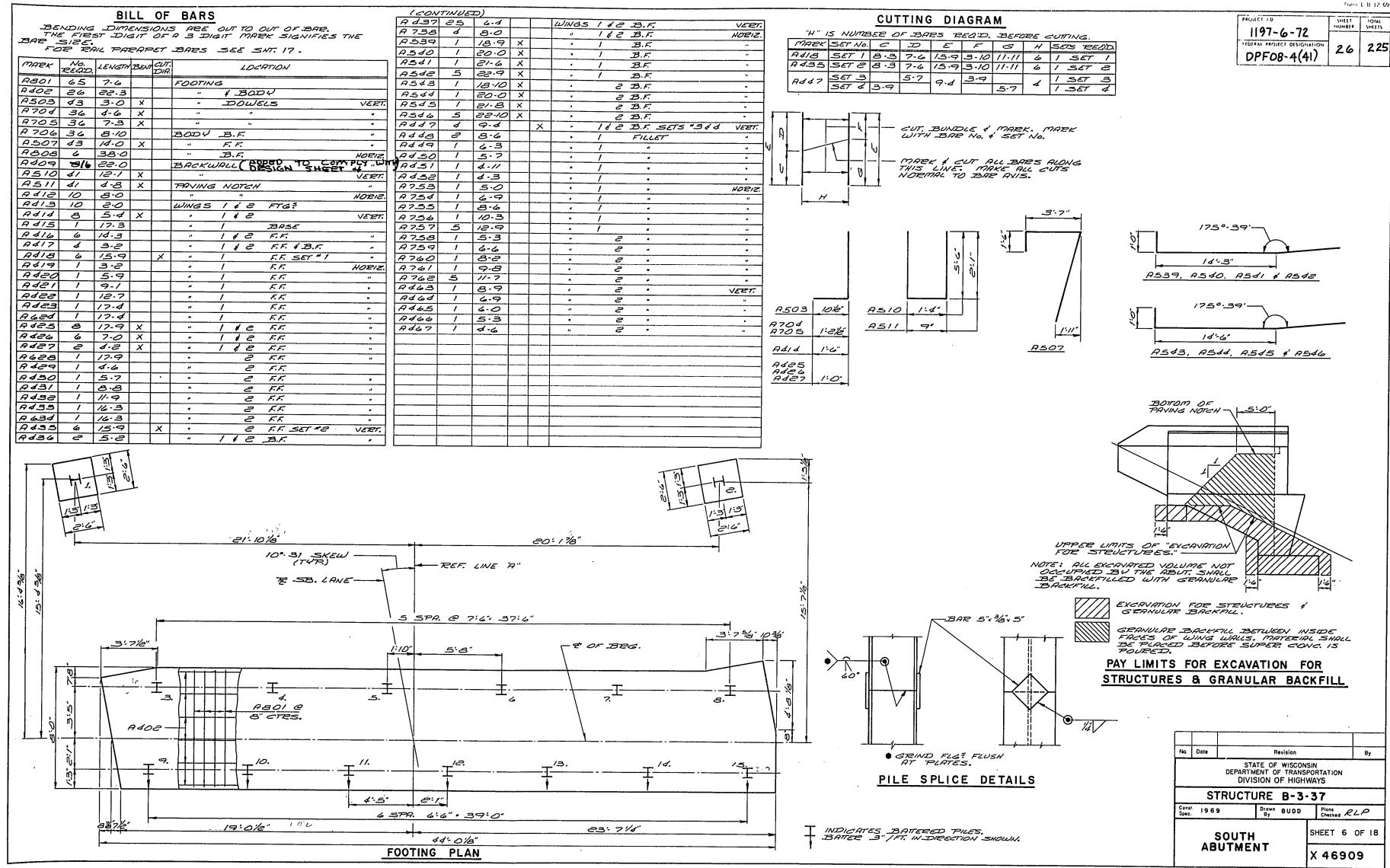
A -

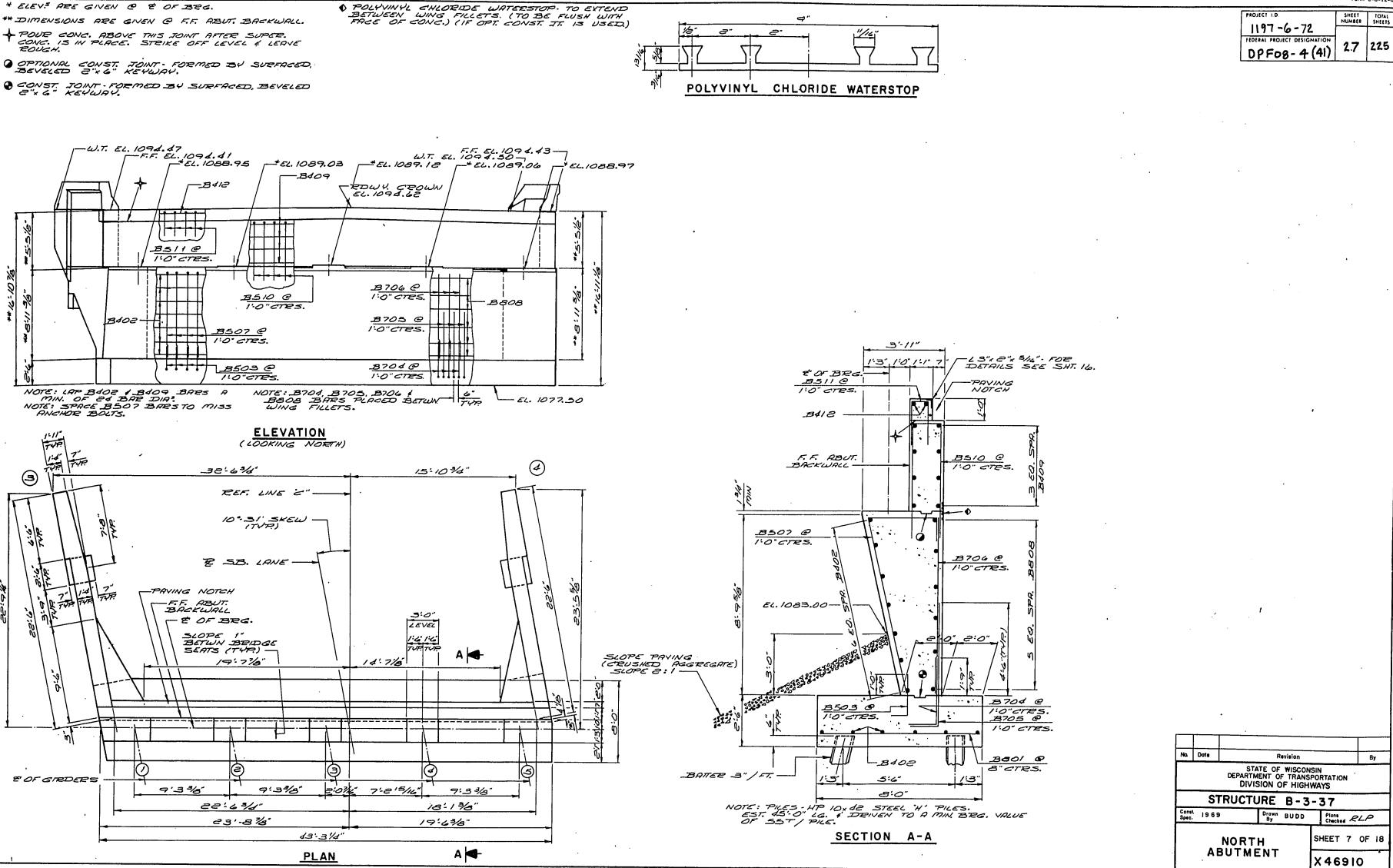
Na. Date Revision Ву STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS STRUCTURE B-3-37 Const. 1969 Spec. 1969 Drawn BUDD Plans Checked RLP SHEET 4 OF 18 SOUTH

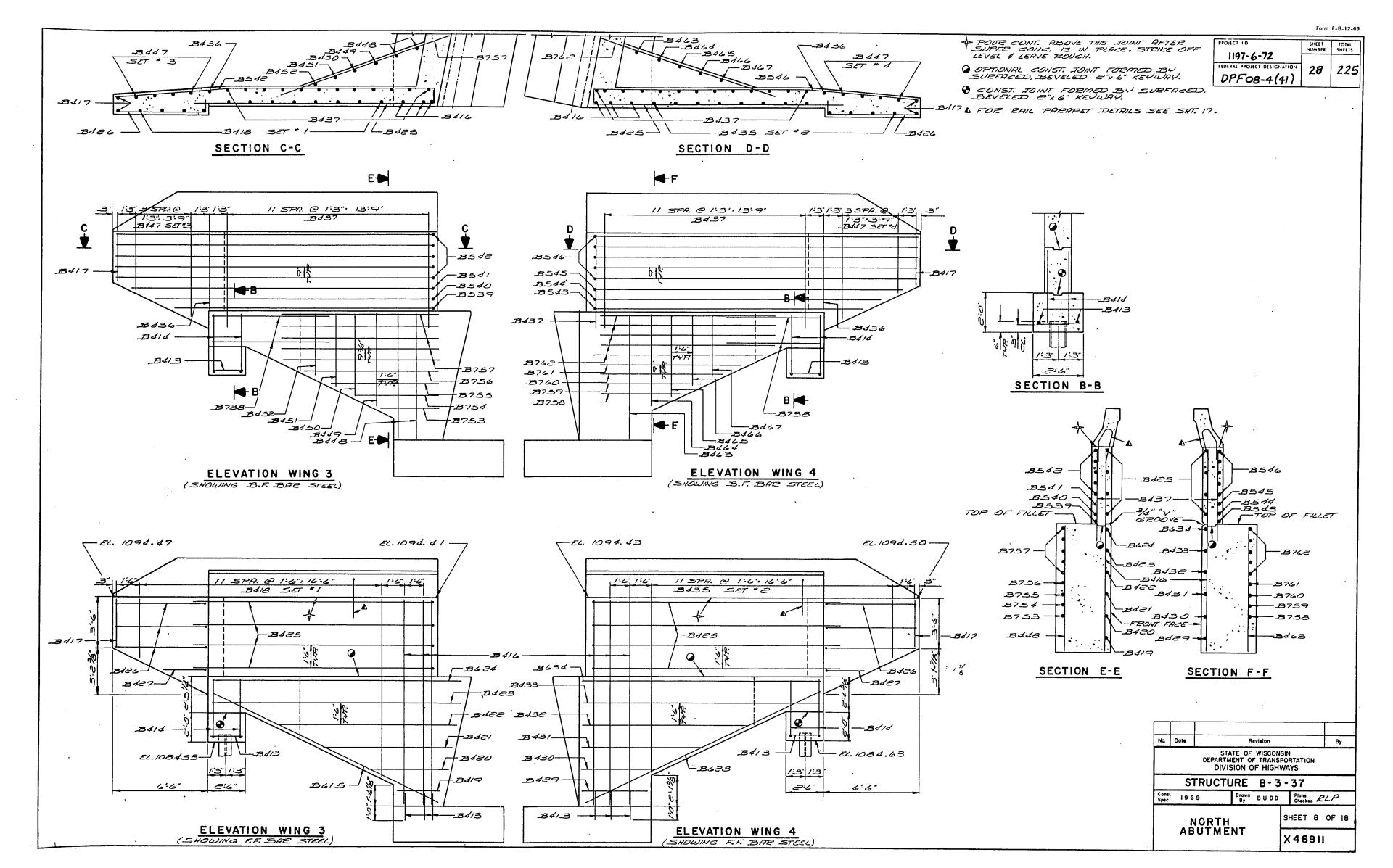
X46907

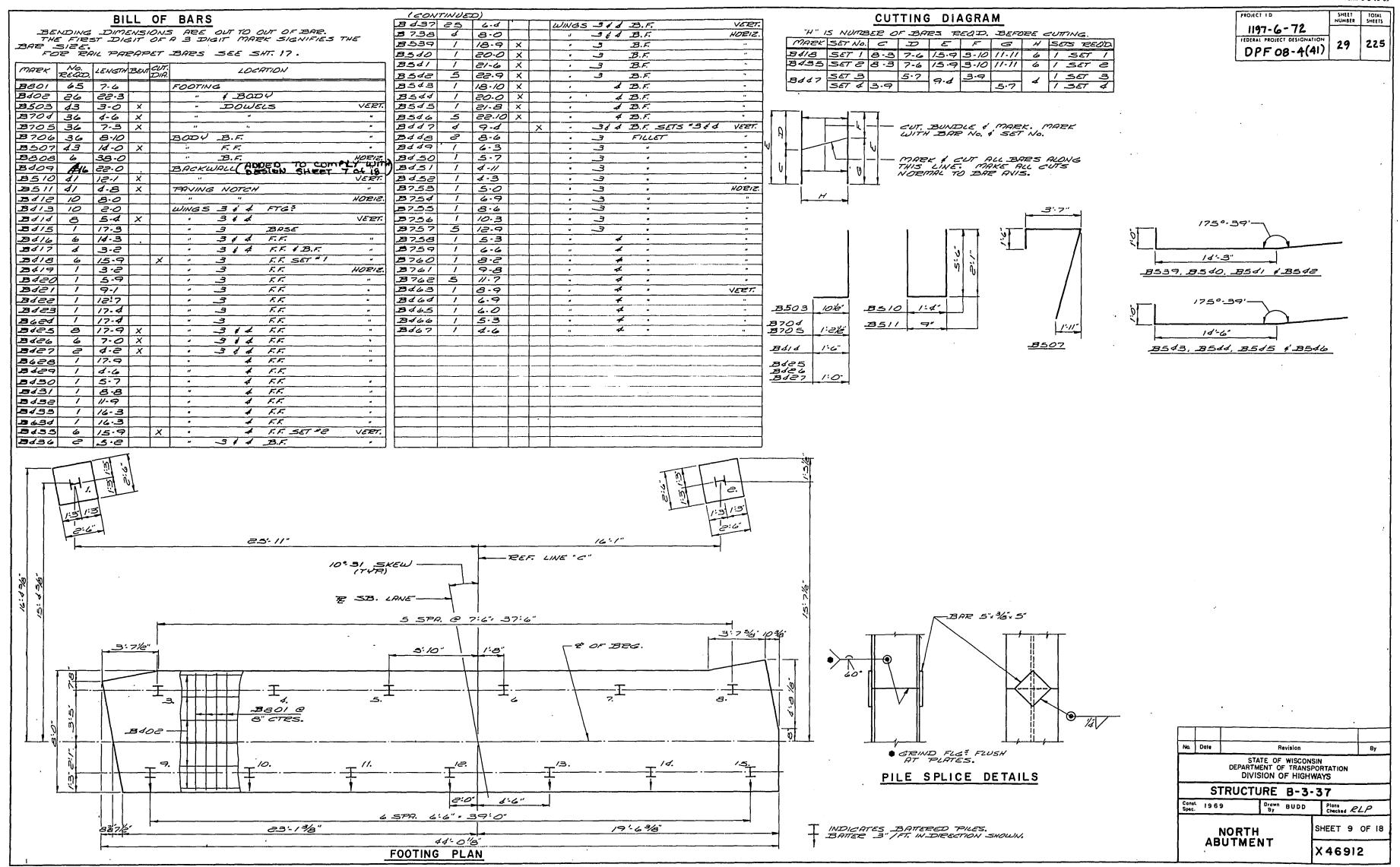
ABUTMENT

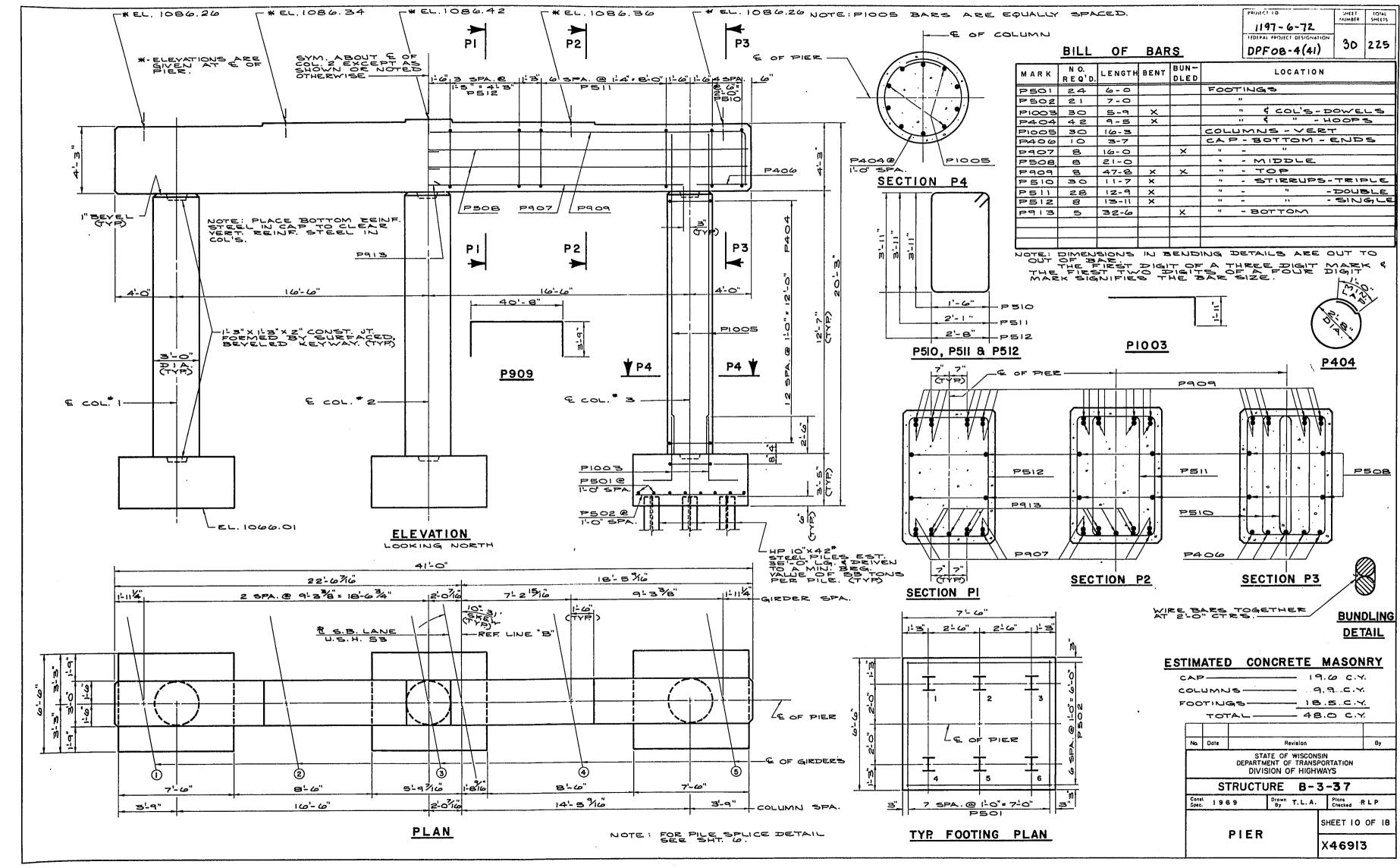


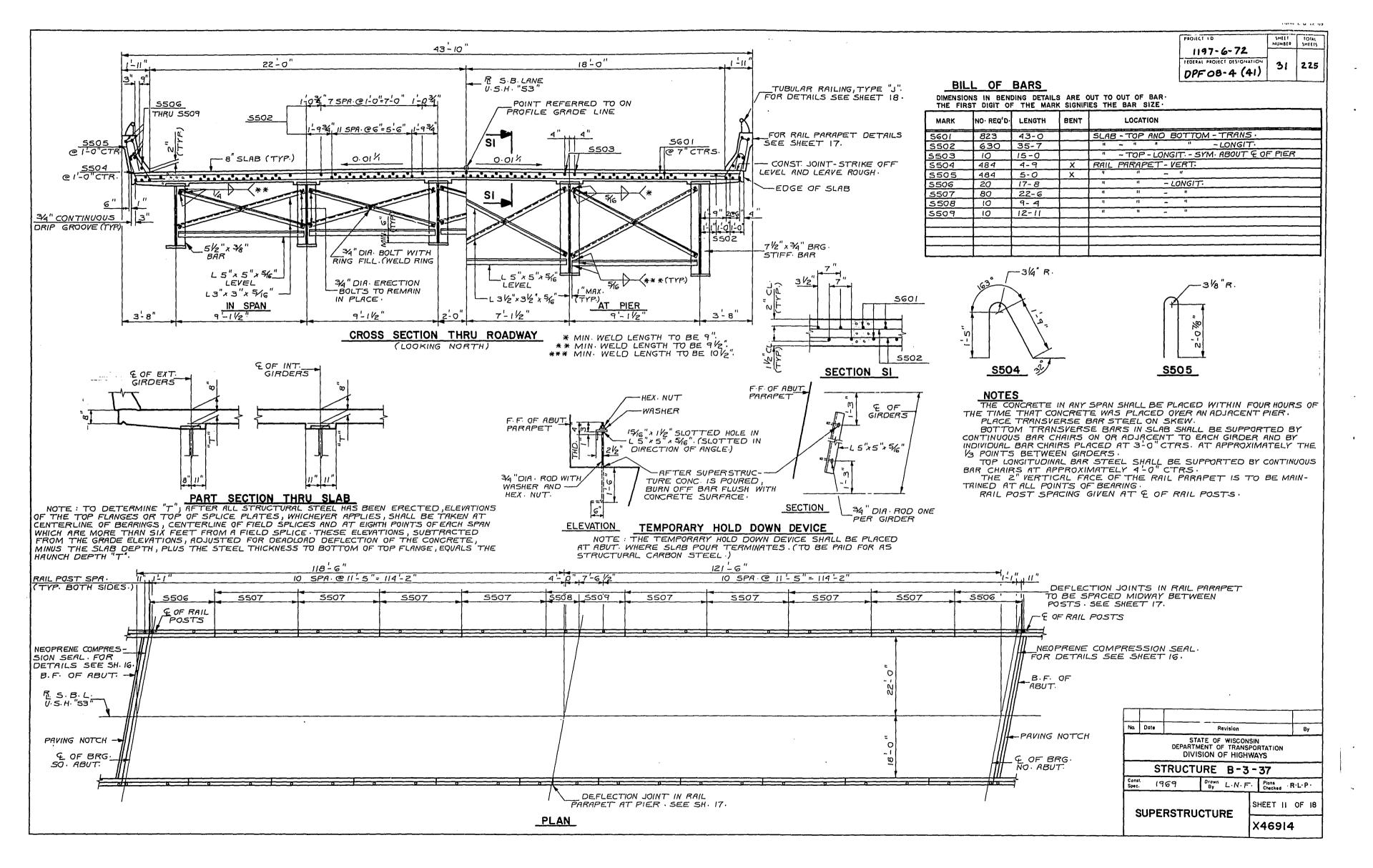


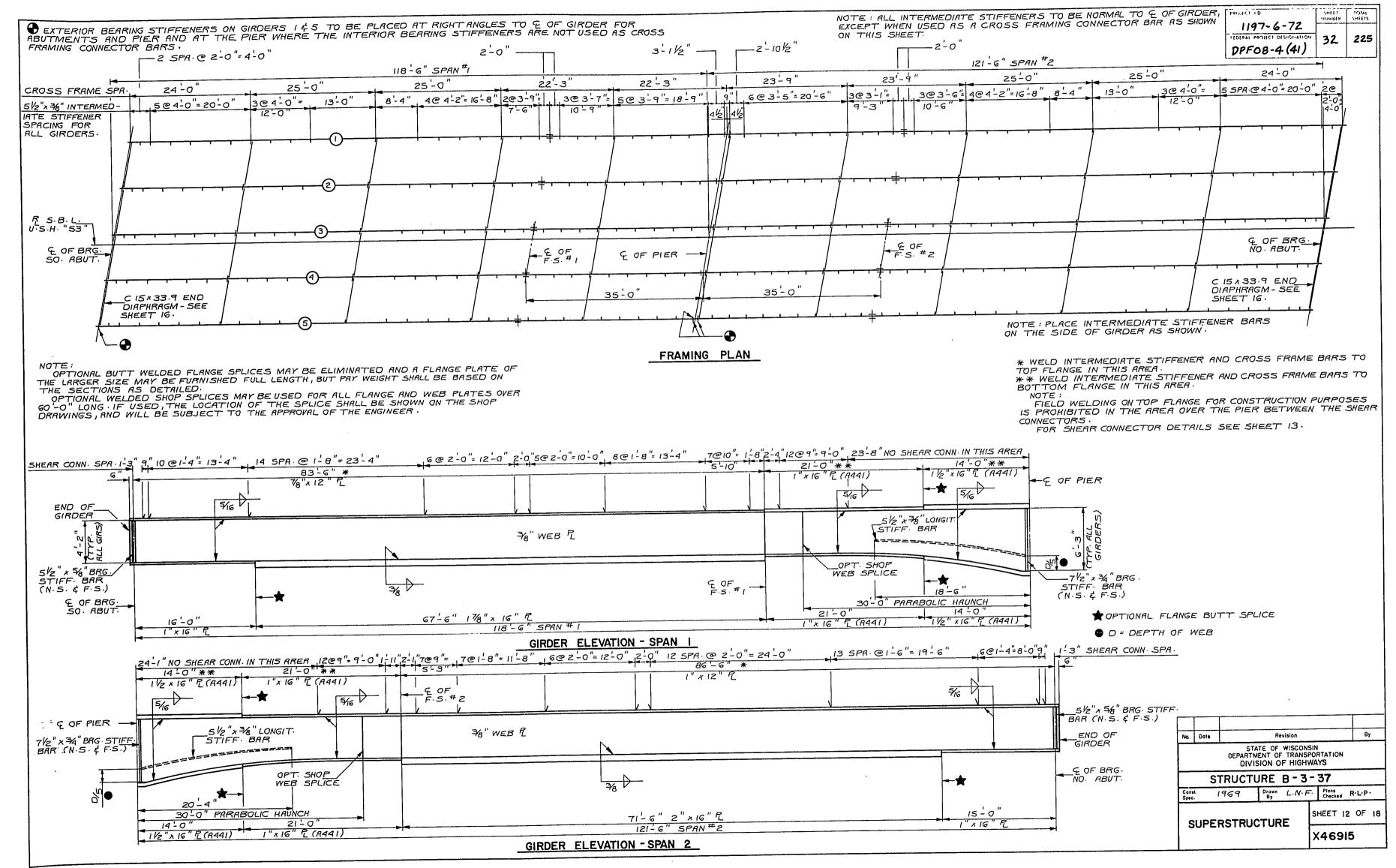












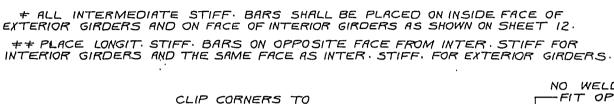
PROJECT ID

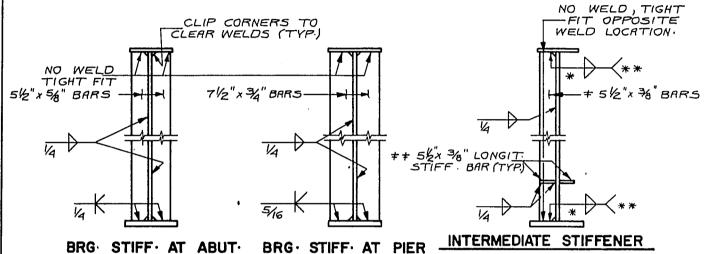
1197-6-72

TEDERAL PROJECT DESIGNATION
DPF 08-4(41)

SHEET TOTAL NUMBER SHEETS

33 225

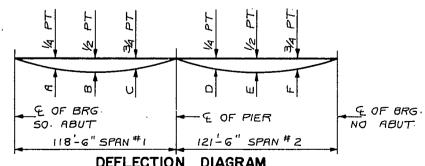




& CROSS FRAME CONN.

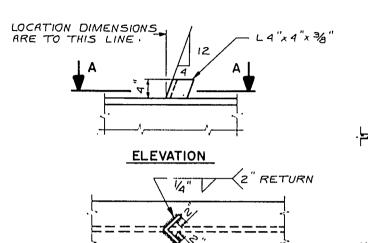
* 5/6" WELD WHEN WELDING TO A %", I" AND I $^1\!\!\!/_2$ " FLANGE PLATE AND A $^3\!\!\!/_8$ " WELD WHEN WELDING TO A I $^7\!\!\!/_8$ " AND 2" FLANGE PLATE .

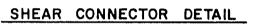
** SEE GIRDER ELEVATION FOR LOCATION - SEE SHEET 12.



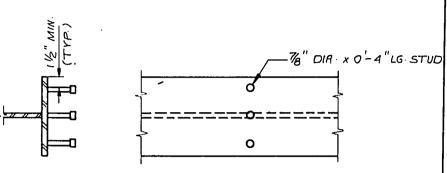
DEFLECTION DIAGRAM
(SHOWING DEADLOAD DEFLECTION ONLY)

DEFLECTION	R	В		D	E	F
CONC ONLY	1 1/16"	17/8"	11/16"	1416"	13/4"	1 9/16"
TOTAL	1 15/16"	2 3/16"	13/16"	13/16"	2"	1/3/16"



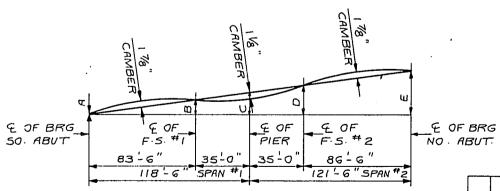


SECTION A-A



ALTERNATE SHEAR CONNECTOR DETAIL

NOTE: THE CONTRACTOR MAY USE THREE SHOP OR FIELD WELDED 76" DIR . x O - 4" LG. STUOS EQUALLY SPACED WITH A MIN. OF 11/2" CLEARANCE FROM THE FLANGE EDGE AT ALL PLACES WHERE AN ANGLE SHEAR CONNECTOR IS DETAILED.



BLOCKING DIAGRAM

DIMENSIONS	R	В	C	D	Ε
GIRDER I	0.0	.751	863	1.164	1.432
GIRDER 2	0.0	755	868	1.170	1.442
GIRDER 3	0.0	.758	· 873	1.177	1.453
GIRDER 4	0.0	.761	·878	1.183	1.463
GIRDER 5	0.0	.765	.883	1.190	1.473

No. Date Revision By

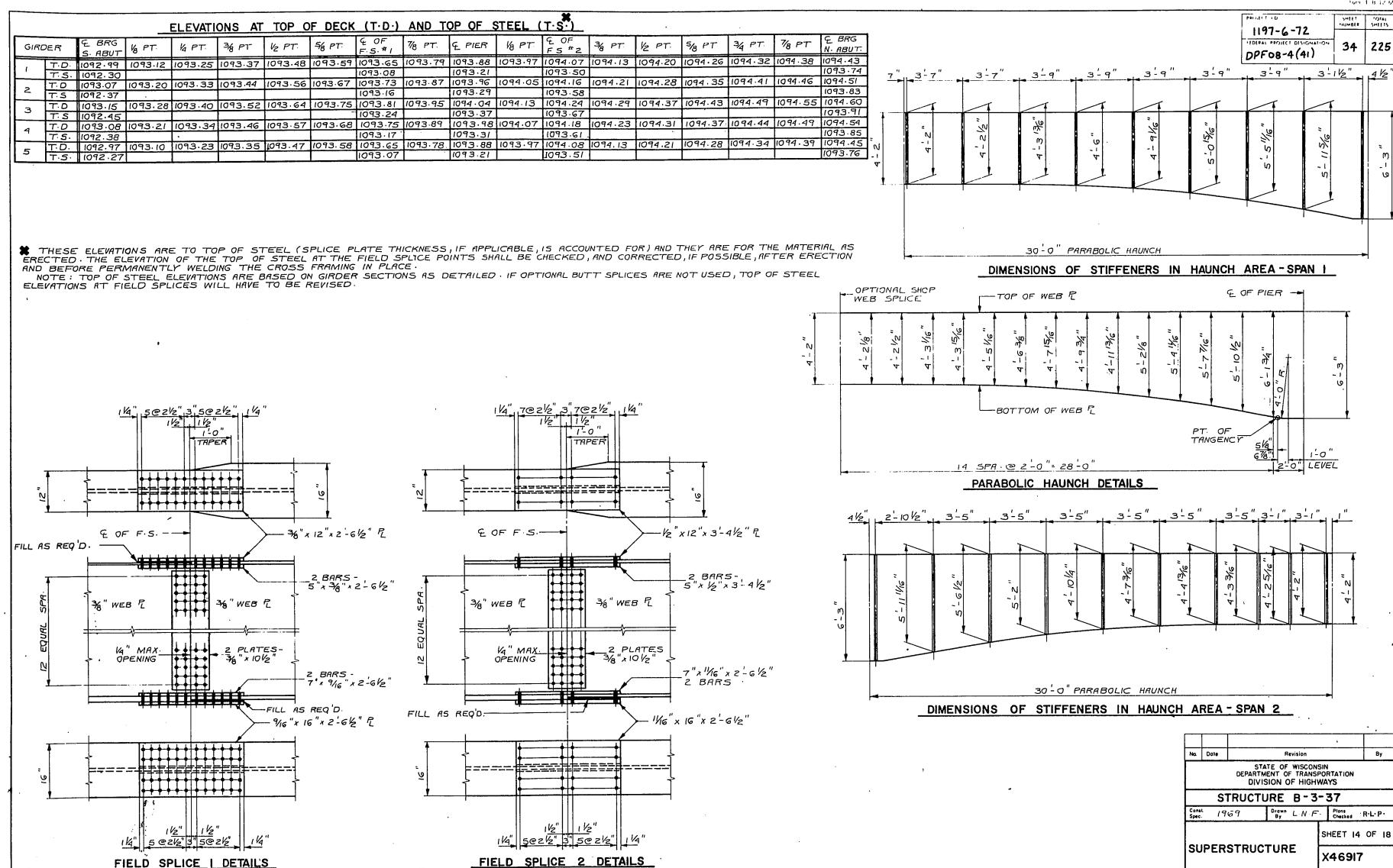
STATE OF WISCONSIN

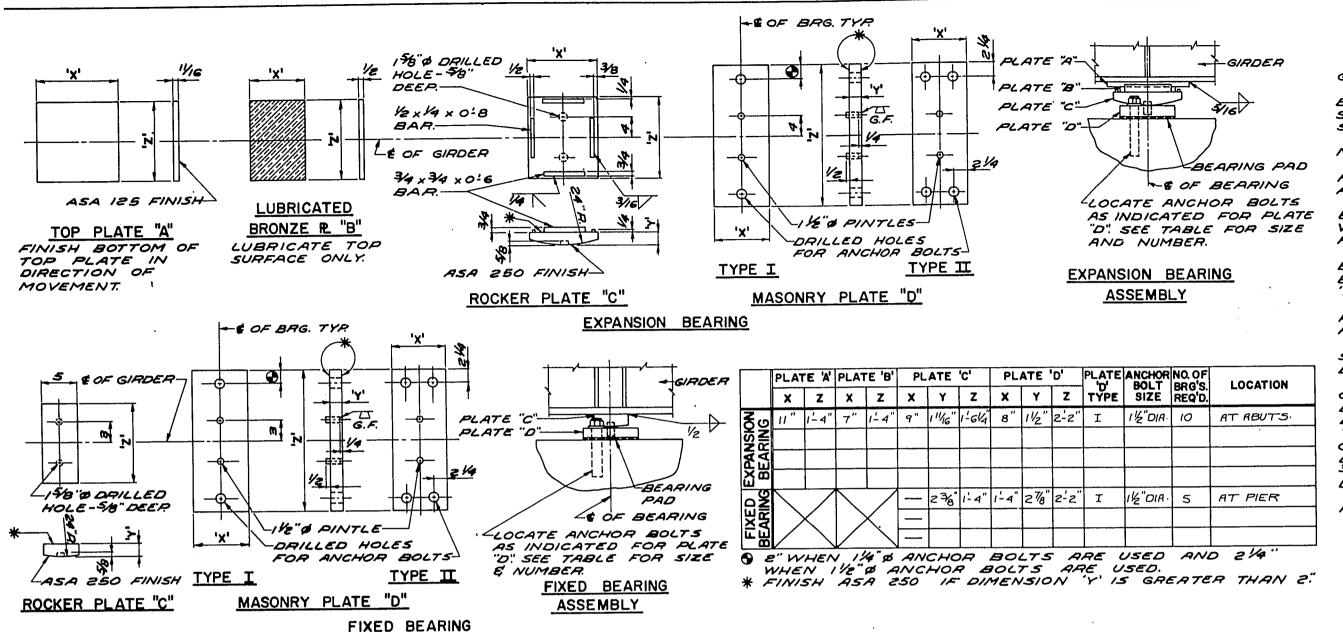
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

STRUCTURE B-3-37
Const. 1969 Drown L.N.F. Plans
Byer. 1969

SUPERSTRUCTURE

X46916





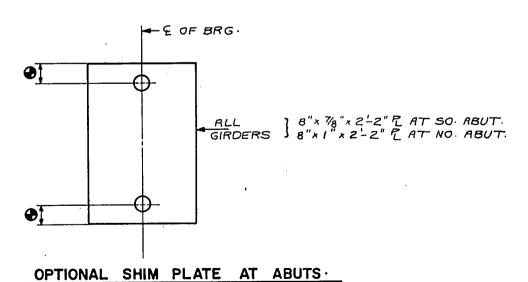
BEARING NOTES

B. P. R.	Project	Sheet	Total
Division		Number	Sheets
4	1197-6-72 DPF08-4(4)	35	225

ALL BEARINGS ARE SYMMETRICAL ABOUT & OF GIRDER AND & OF BEARING. ALL STRUCTURAL STEEL BEARING PLATES SHALL BE FLAT ROLLED STEEL PLATES WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL. ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUTS. ANCHOR BOLTS SHALL BE THREADED 3".
PROVIDE ONE STANDARD WAGUEHT WASHER AND ONE HEX. NUT PER BOLT. ALL MATERIAL INCLUDING SHIMS BUT EXCLUDING ANCHOR BOLTS, PINTLES, NUTS AND WASHERS SHALL BE MADE OF ASBB STEEL. PINTLES SHALL BE MADE OF A449 STEEL. ALL MATERIAL IN BEARINGS, EXCLUDING BRONZE PLATES AND BEARING PADS SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "STRUCTURAL LOW ALLOY STEEL" CHAMFER TOP OF PINTLES VE" DRILL HOLES FOR PINTLES IN ALL MASONRY PLATES FOR DRIVING FIT. PROVIDE 18" THICK BEARING PAD SAME SIZE AS MASONRY PLATE "D" FOR EACH BEARING. ANCHOR BOLTS SHALL BE OF A SIZE AS
GIVEN IN THE TABLE. LENGTH OF 14 & ANCHOR
BOLTS TO BE 1-5. LENGTH OF 11/2 & ANCHOR

BOLTS TO BE 1-10. PROJECT ANCHOR BOLTS
"D" PLATE THICKNESS + 214" ABOVE TOP OF
CONCRETE. DRILLED HOLES FOR ANCHOR
BOLTS IN PLATE"O" SHALL HAVE A DIAMETER
38" LARGER THAN THE ANCHOR BOLT
DIAMETER.
ALL FINISHED SURFACES SHALL BE MACHINE

FINISHED BY AN AUTOMATIC PROCESS.



NOTE: SHIM PLATES TO BE USED AT ABUTS. IF OPTIONAL FLANGE BUTT SPLICE IS USED.

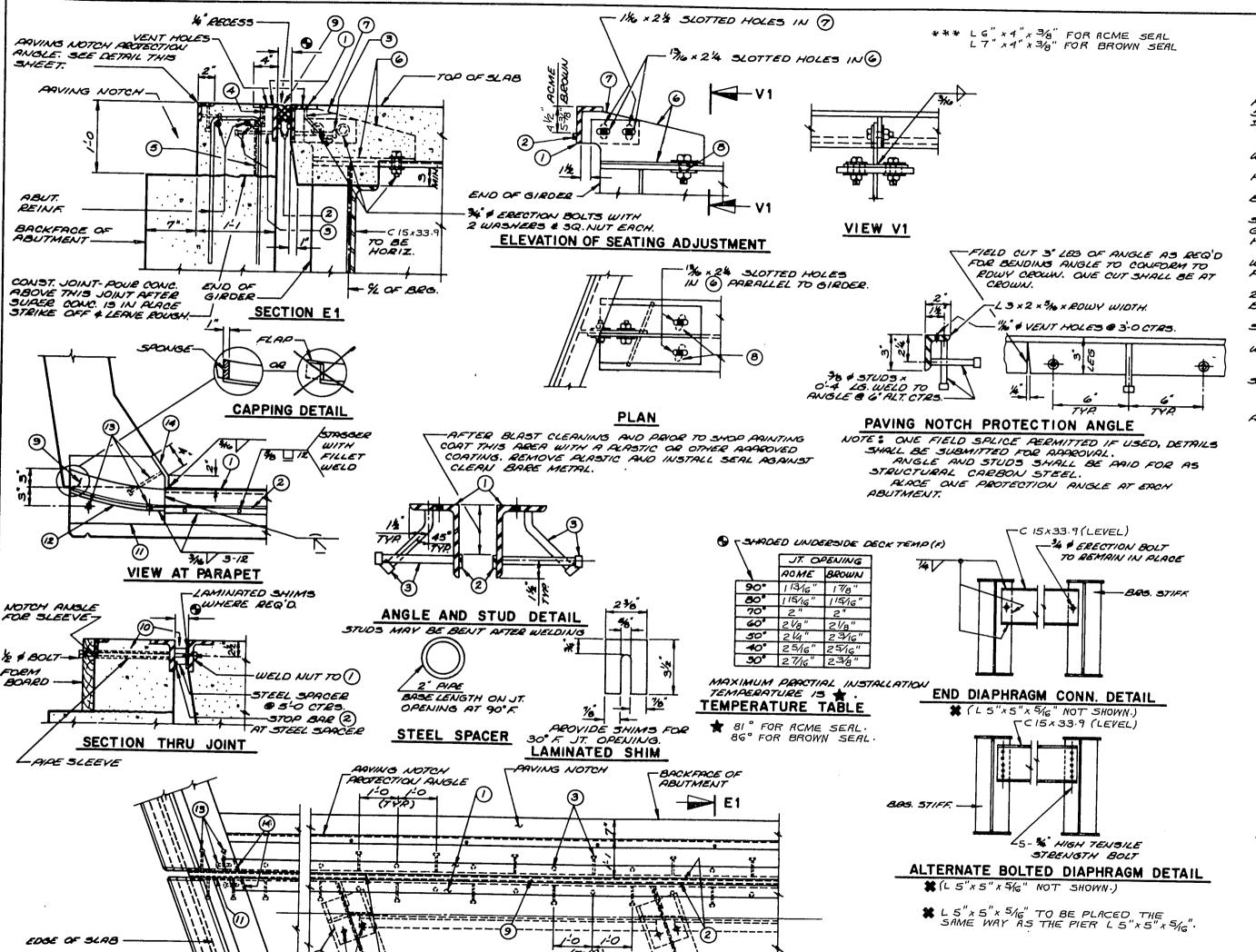
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

STRUCTURE B-3-37

Const. 1969 Drawn L.N.F. Plans
Spec. 1969 By L.N.F. SHEET 15 OF 18

EARING DETAILS

X46918



E1

PART PLAN

FRONT FACE

OF PARAPET

1197-6-72 36 LEGEND DPF08-4(41)

(A) **** WITH 18 O VENT HOLES AT 2'0 CTRS AND 1/6" & HOLES FOR BOLT (A) AT 5'O CTRS. ANGLE FACES MUST BE PARALLEL WITHIN \$ 1/6" BETWEEN STEEL SPACERS (A).

(2) RETRINER BAR IX & WELD TO (1) AS SHOWN AS A SHOWN A

WELD TO (1) AS SHOWN.

(2) RETRINER BAR IX 4 WELD TO (1) AS SHOWN.

(3) 1/8 \$ x 0 - 6 1/8 LONG STUDS AT 1-0 ALTERNATE CTRS.

WELD TO (1)

(4) L 3 x 2 1/8 x 3/8 x 0 - 3 @ 3 - 0 CTRS. WELD TO (1). AROVIDE 1/8 #

HOLE IN 2/8 LEG FOR ROD (3).

(5) 1/4 \$ ROD x 0 - 10 LONG WITH NUT. TACK WELD NUT TO

BOTTOM OF (4). THREAD 3.

(6) FABRICATE FROM 3/8 WELDED PLATES. 2 - 1/8 x 2/4

SLOTTED HOLES IN BASE PLATE PARALLEL TO 9/2 OF

GIRDER. 2 - 1/8 x 2/4 SLOTTED HOLES IN STEM PLACED

HODIZONTALLY. HORIZONTALLY.

THE WELD TO LEGS OF () WITH HE FILLET WELD NEAR SIDE AND FAR SIDE. 2-14 x 24 SLOTTED HOLES PLACED VERTICALLY.

1 2-14 × 14 SLOTTED HOLES IN GIRDER FLANGE FOR 2-4 & ERECTION BOLTS. SLOT TO BE PARALLEL TO 4L OF BEARING. CLEAR BEARING STIFFENER BY 14" MIN. (9) AREFORMED B-610 ACME OR H-3500 BROWN NEOPRENE SEAL EDGE OF SLAB TO EDGE OF SLAB.

PIPE SLEEVE, STEEL SPACER AND & BOLT AT 5'O CTRS. 1 TO PLATE - SHAPE TO FIT. SHOP WELD TO () RETAINER BAR K X WELD TO PLATE (1) AS

3 % \$x0-6% LONG STUDS. WELD TO PLATES (1) AND (4) AS SHOWN. SHOP WELD TO () AND PLATE ().

NOTES

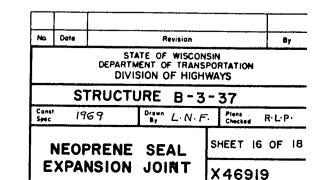
CAPPING DETAIL - PROVIDE EITHER: SCE - 428 CLOSED CELL NEOPRENE SPONGE CONFORMING TO ASTM DIOSG-67T, I" THICK CUT TO MATCH THE UNCOMPRESSED SEAL CROSS SECTION AND CEMENTED IN PLACE WITH THE LUBRICANT ADHESIVE, OR A FLAP FORMED BY CUTTING AWAY ALL BUT THE TOP SURFACE OF THE SEAL THEN BENT DOWN AND CEMENTED IN PLACE.

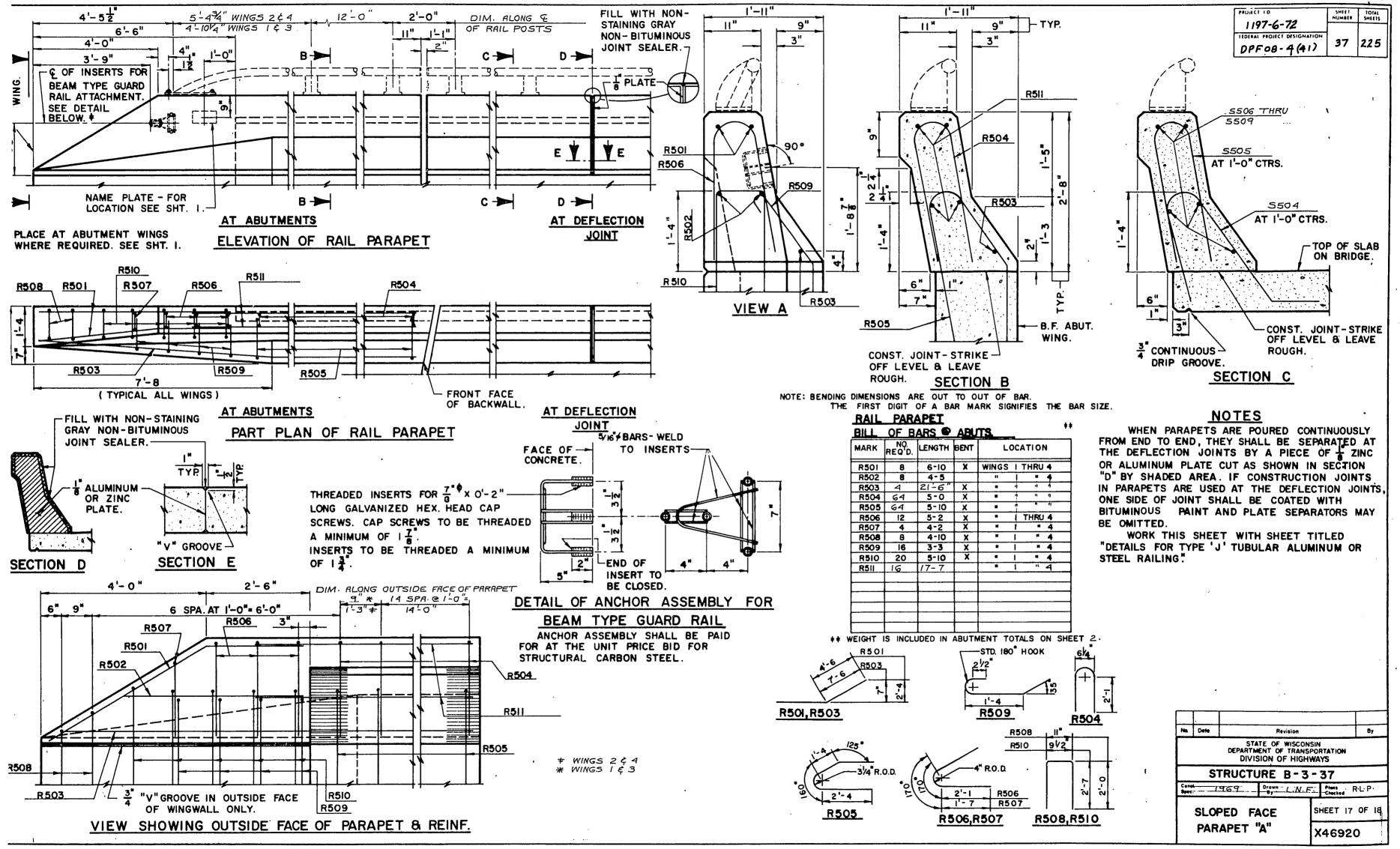
EXPANSION JOINT SHALL BE BUILT TO CONFORM TO ROADWAY CROWN AND GRADE.

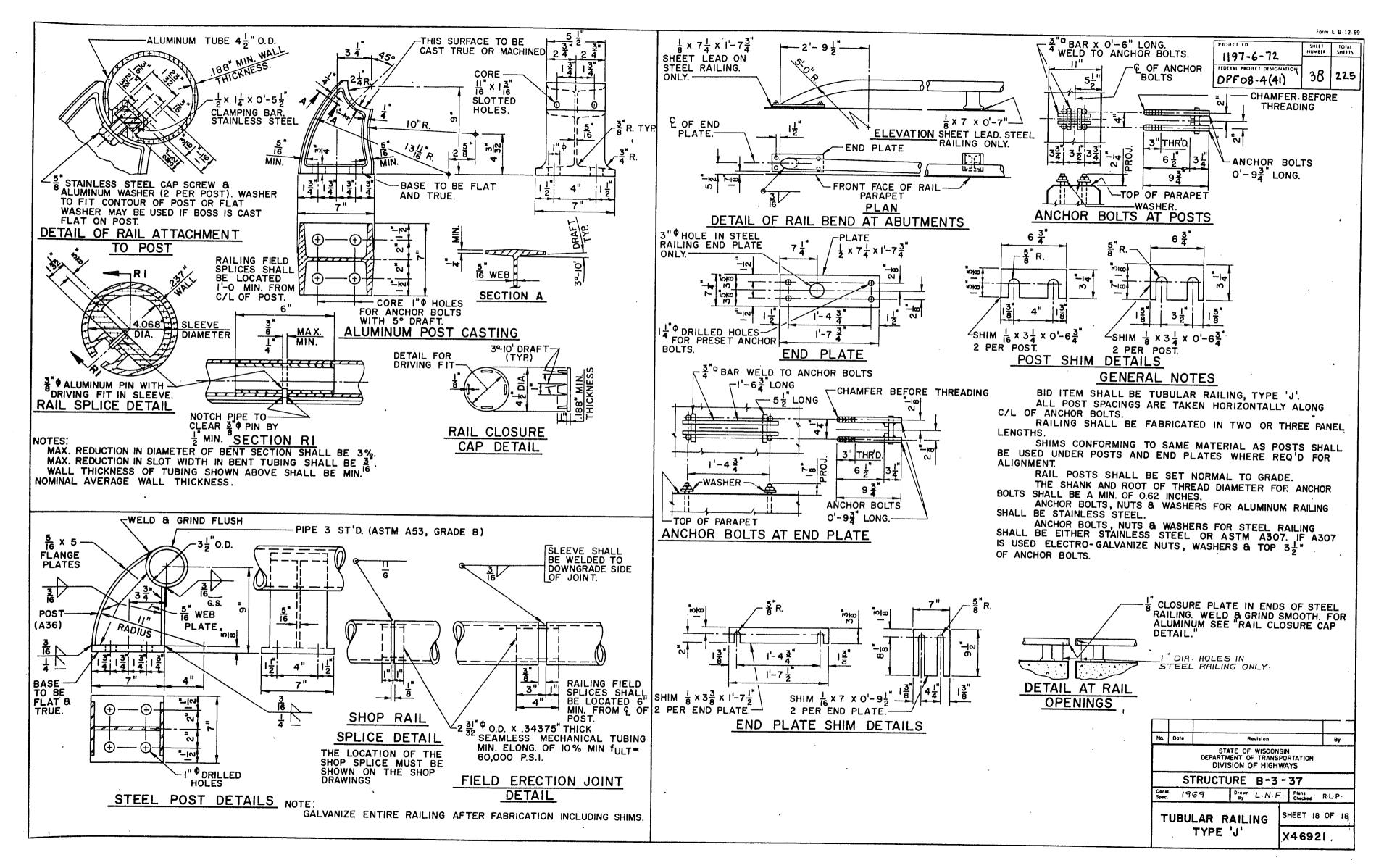
ALL MATERIAL IN EXPANSION JOINT EXCEPT NEOPRENE SEAL SHALL BE PAID FOR AS STRUCTURAL CARBON STEEL.

AFTER CONCRETE HAS SET, BLOCKING OF SHALL BE REMOVED AND THE JOINT OPENING SHALL BE THOROUGHLY CLEANED.

ONE FIELD SPLICE PERMITTED. IF USED, DETAILS SHALL BE SUBMITTED FOR APPROVAL.







-1,200 P.S.I.

_1,400 P.S.I.

_ 20,000 P.S.I.

_22,000P5.1.

TOTAL SHEETS

PROJECT ID

1197-6-72

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS SHOWN OR NOTED OTHERWISE.

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS

SHALL BE COVERED WITH SLOPE PAVING (CRUSHED AGGREGATE) TO THE EXTENT SHOWN ON SHT. I IN THE ABUT.

MENT DETAILS,

SEE SHT & AND 9 FOR UPPER LIMITS OF EXCAVATION

AT THE ABUTMENTS.

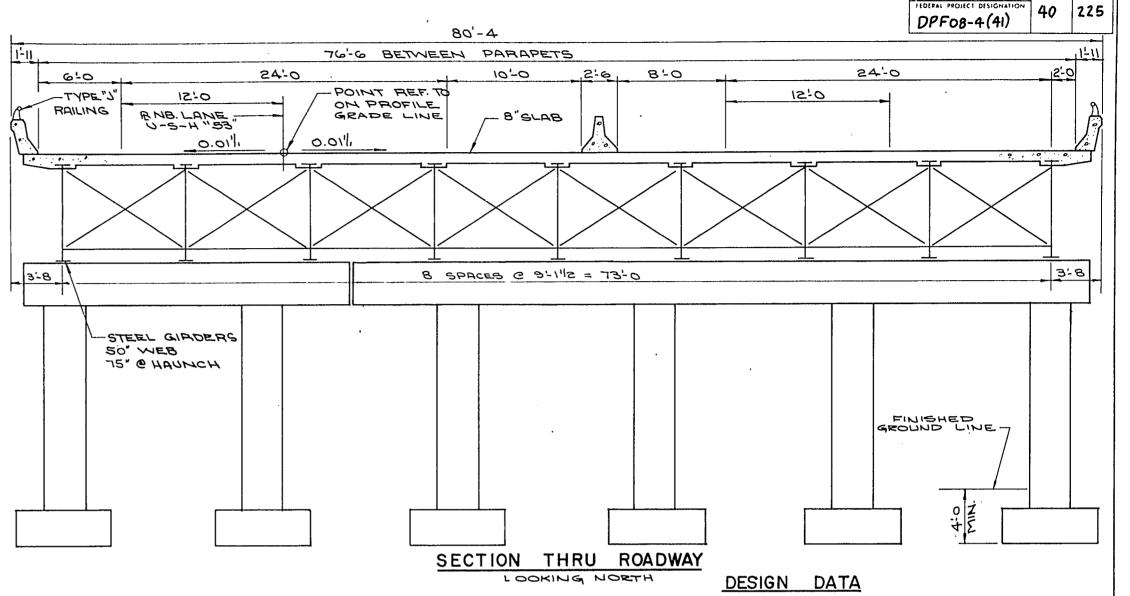
THE FINISHED GRADED SECTION WAS USED AS THE LIPPER LIMITS OF EXCAVATION FOR COMPUTATION OF EXCAVATION QUANTITIES AT THE PIER.

CAVATION QUANTITIES AT THE PIER.

AT THE ABUTMENTS ALL EXCAVATED VOLUME NOT OCCUPIED BY THE NEW ABUTMENT SHALL BE FILLED WITH GRANULAR BACKFILL. FOR PAY LIMITS SEE SHT. & AND 9.

ALL FIELD CONNECTIONS SHALL BE MADE WITH 34"

DIAMETER FRICTION TYPE HIGH-TENSILE STRENGTH BOLTS UNLESS SHOWN OR NOTED OTHERWISE.



TOTAL ESTIMATED QUANTITIES

BID ITEMS	UNIT	SUPER	SO. ABUT.	PIER	NO. ABUT.	TOTAL
EXCAVATION FOR STRUCTURES	C.Y.		190	80	190	460
GRANULAR BACKFILL	C.Y.		285		285	570
CONCRETE MASONRY	C.Y.	564.8	196.0	86.2	196.0	1043.0
BAR STEEL REINFORCEMENT	LB.	159,000	12,980	20,200	12,980	205,160
STRUCTURAL CARBON STEEL	L 15.	420,710				4ZQ710
STRUCTURAL LOW-ALLOY STEEL	LB.	92,520				92,520
LUBRICATED BRONZE PLATES	LB.	313				313
BEARING PADS	5. F.	52				52
NEOPRENE PRE- MOLDED SEAL	し・デ.	162				162
STEEL PILING, DELIVERED & DRIVEN HP 10 INCH X 42 POUND	L.F.		1,125	1,440	1,125	3,690
TUBULAR RAILING, TYPE """	L.F.	557		[557
SLOPE PAYING (CRUSHED AGGR.)	S. Y.		230		260	490
					l	
	<u> </u>					
,	1					
NON-BID ITEMS						
ALUMINUM OR ZINC PLATE	5.F.	100				100
					·	
POLYVINYL CHLORIDE WATERSTOP			85		85	170

TRAFFIC VOLUME

U-S-H "53" U-S-H "8" 0500 ---.T.G.A 005,2 ----T.O.A R.D.S. ---- 80 M.P.H. D.H.V.----1,320

LIST OF DRAWINGS

I. GENERAL PLAN	X47261
2. GENERAL PLAN -	<u></u> x47262
3. SUBSURFACE EXPLORATION	x 47263
4. SOUTH ABUTMENT	X 47264
5. SOUTH ABUTMENT DETAILS	x 47265
6. SOUTH ABUTMENT DETAILS	× 47266
7 NORTH ABUTMENT	×47267
8. NORTH ABUTMENT DETAILS	×4726B
9. NORTH ABUTMENT DETAILS	-x47269
10. PIER-	-X47270
II. PIER DETAILS	×47271
12. SUPERSTRUCTURE	×47272
13. FRAMING PLAN-	X 47273
14. GIRDER ELEVATIONS	x 47274
15 SUPERSTRUCTURE	-X 47275
16. SUPERSTRUCTURE	-X 47276
17 BEARING DETAILS	x 47277
IB NEOPRENE SEAL EXPANSION JOINT-	× 47278
19. SLOPED FACE PARAPET "A"-	
20. TUBULAR RAILING TYPE "J"	—x 47280

CIVE LOAD: HSCO ALLOWABLE DESIGN STRESSES: CONCRETE MASONRY, GRADE "AR", SLAB ---ALL OTHER

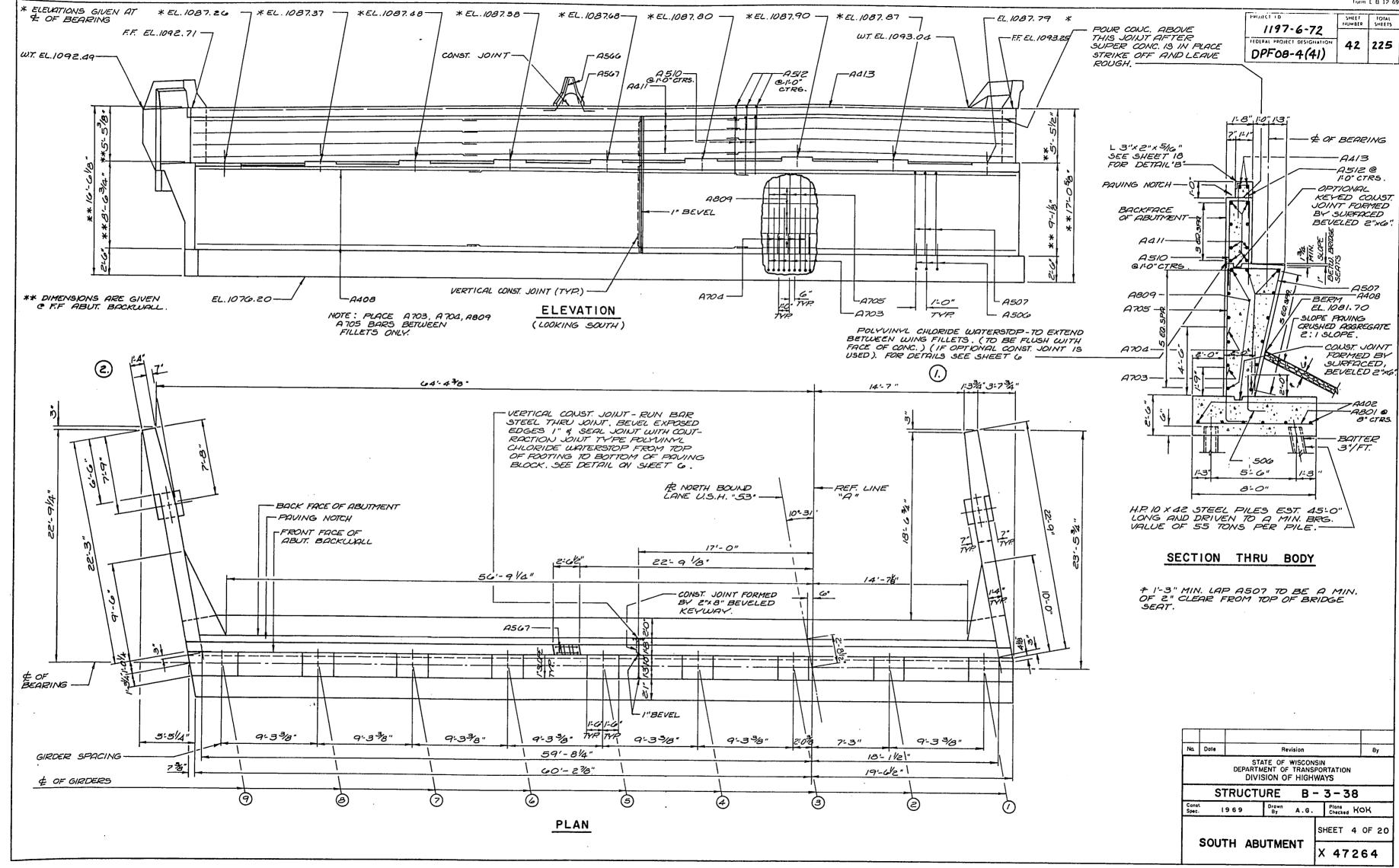
BAR STEEL REINFORCEMENT n=10 _20,000 P.S.I. STRUCTURAL CARBON STEEL -STRUCTURAL LOW ALLOY STEEL:
TO AND INCLUDING 3/4" THICK-- 27,000 P.S.I. 3/4 TO AND INCLUDING 11/2" THICK-

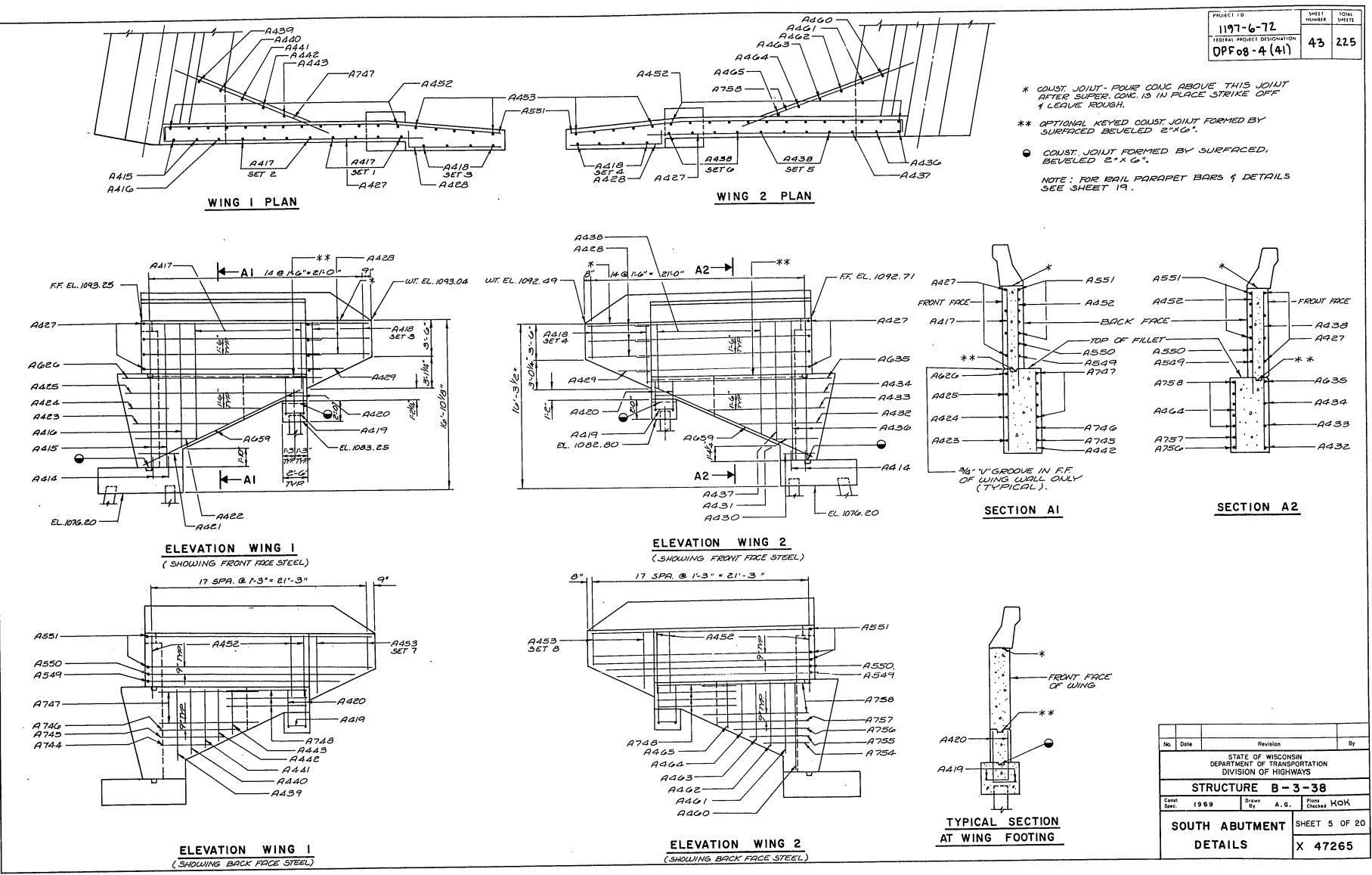
FOUNDATION DATA

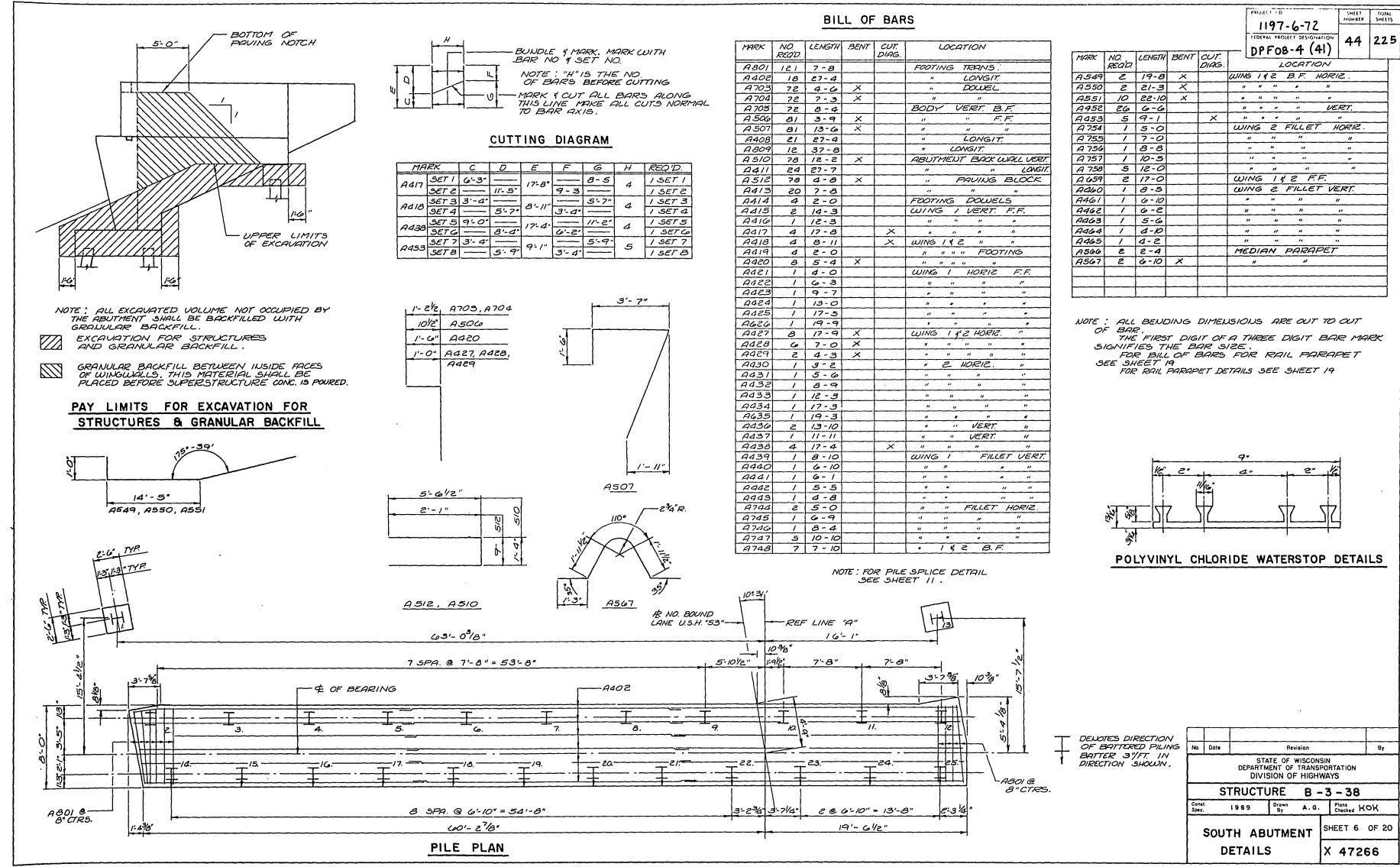
OVER 1/2" THICK-

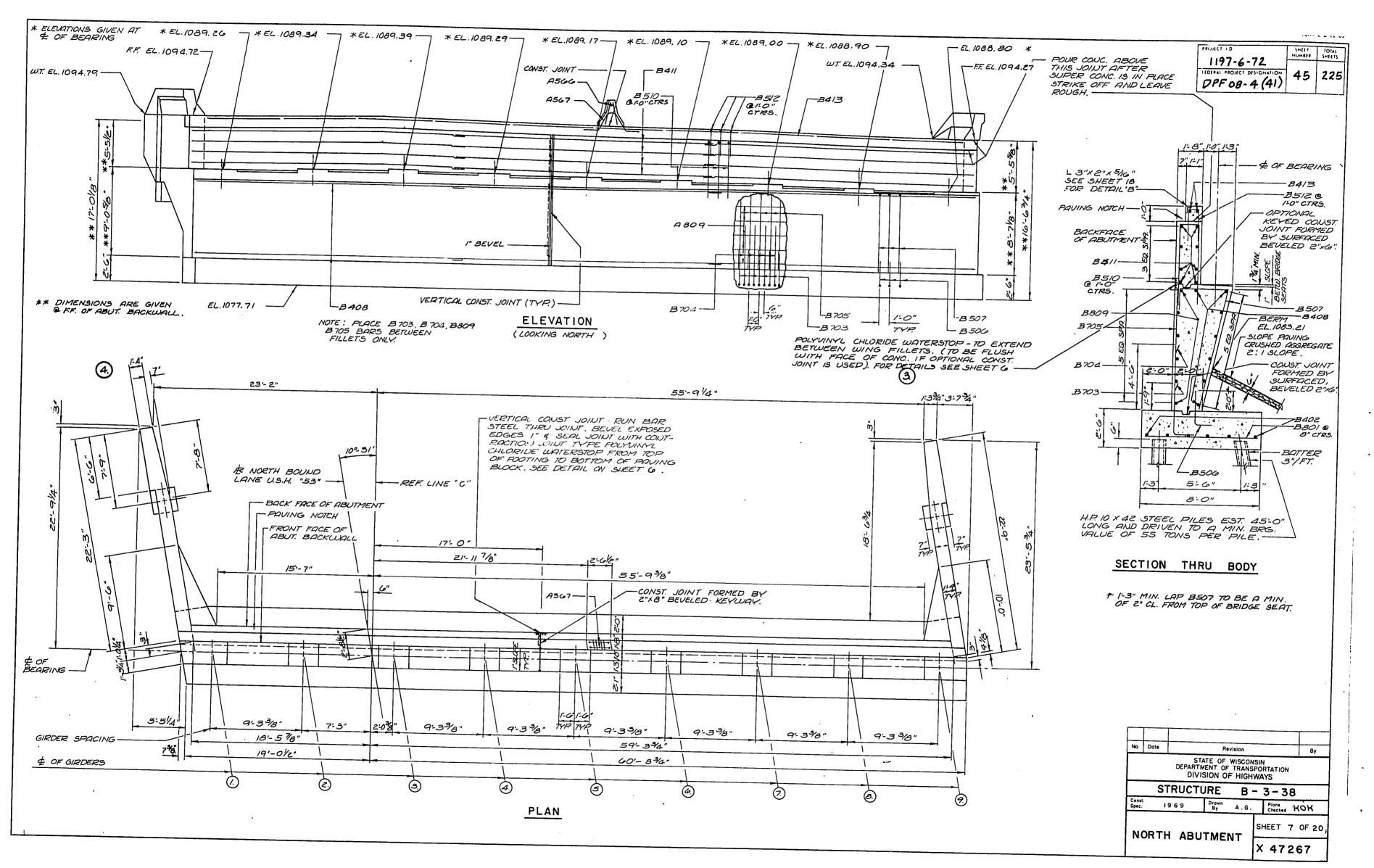
ABUTMENTS TO BE SUPPORTED ON
HP 10" X 42" STEEL PILES EST. 45'-0"
LG. & DEIVEN TO A MIN. BRG. VALUE OF 55 TONS/PILE.
PIER TO BE SUPPORTED ON HP 10" X 42"
STEEL PILES EST. 40'-0" LG. & DRIVEN TO A MIN.
BRG. VALUE OF 55 TONS PER PILE.

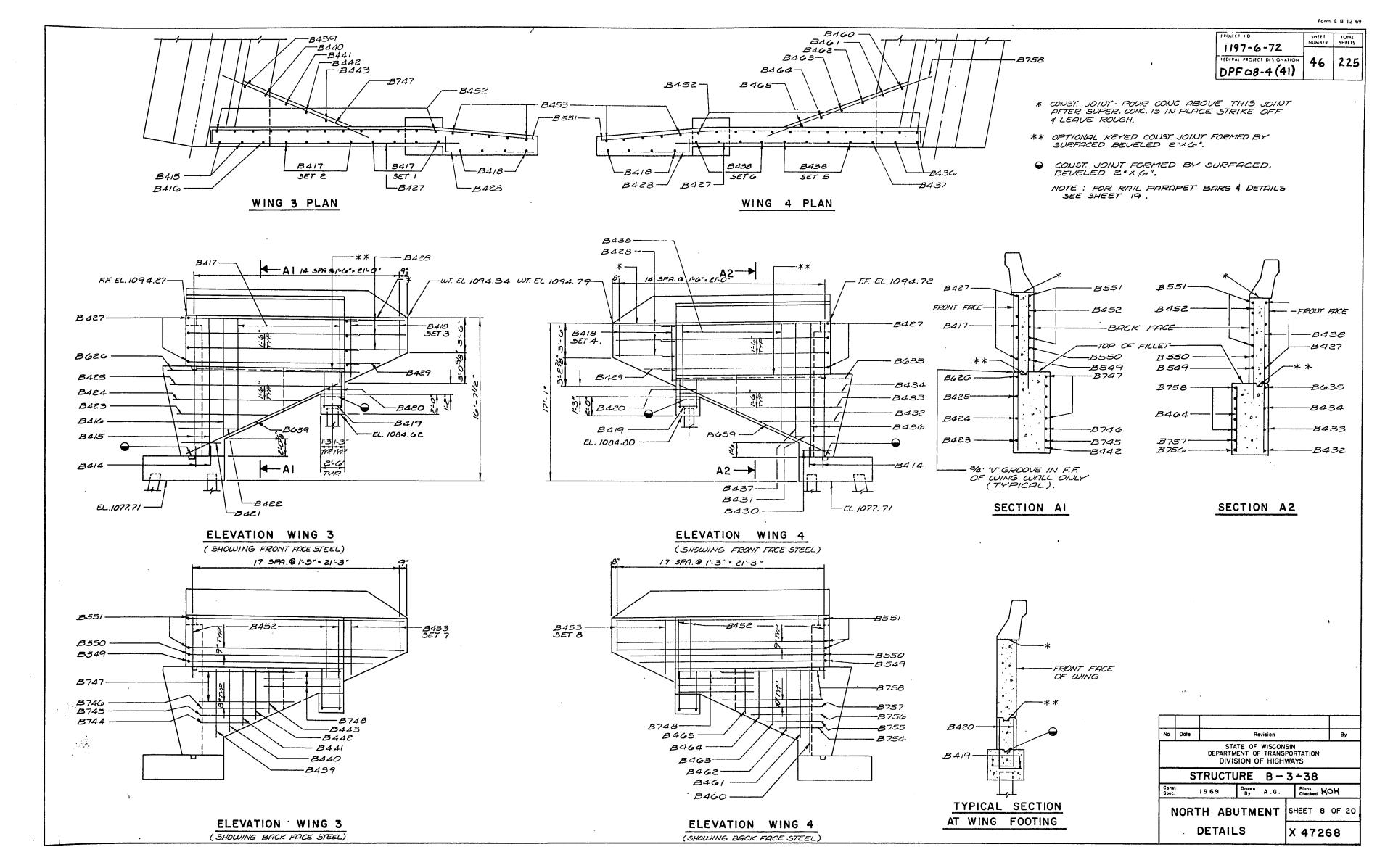
'	, SE 141	LRAL	FLAN	X47262							
	2 E NI	ERAL	PLAN	SHEET 2 OF 20							
Cons Spec		69	Drawn TLA	Plans Checked KOK							
	S	TRUCT	URE B-3	-38							
	STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS										
Na	Date	Date Revision									
		1									

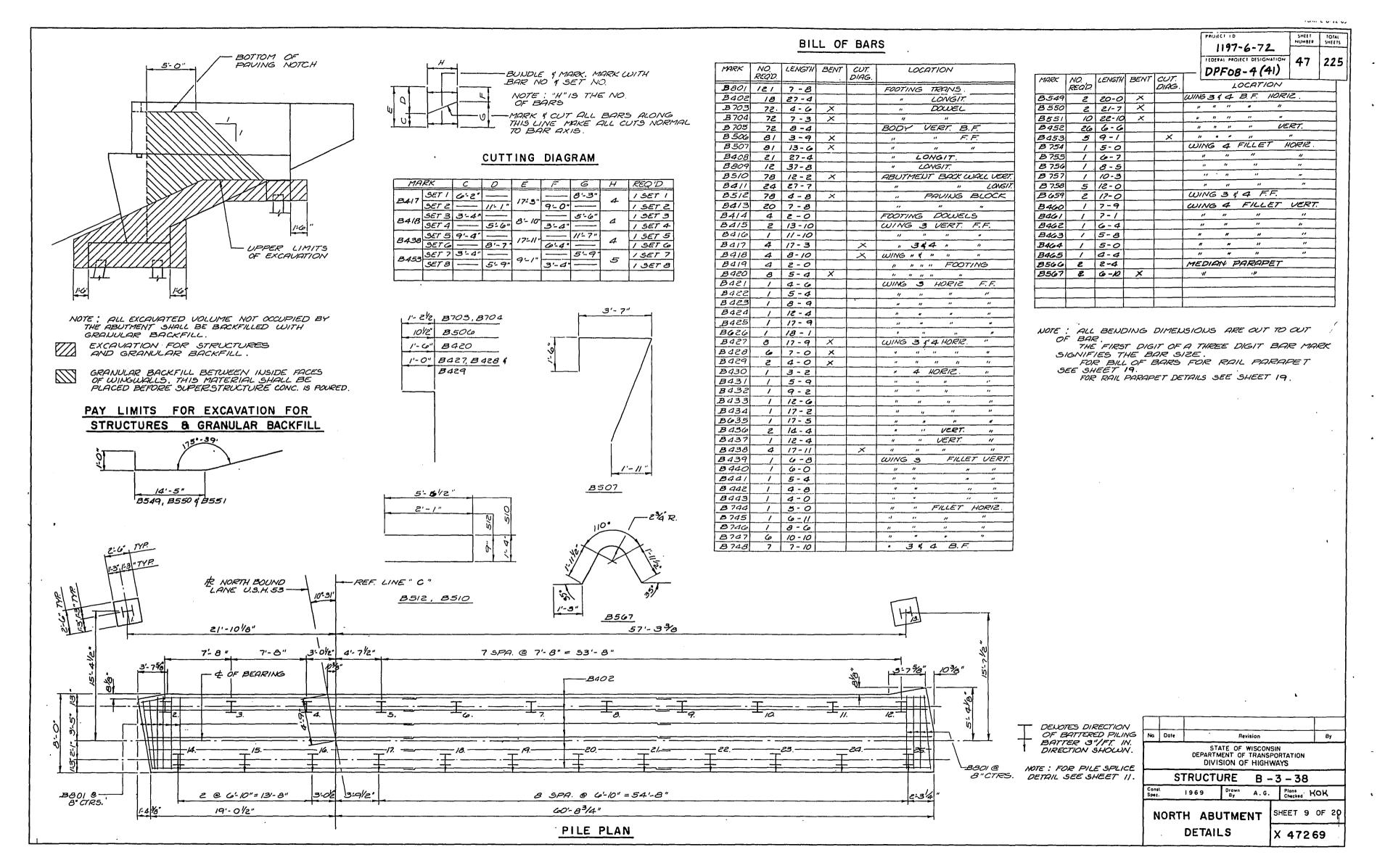


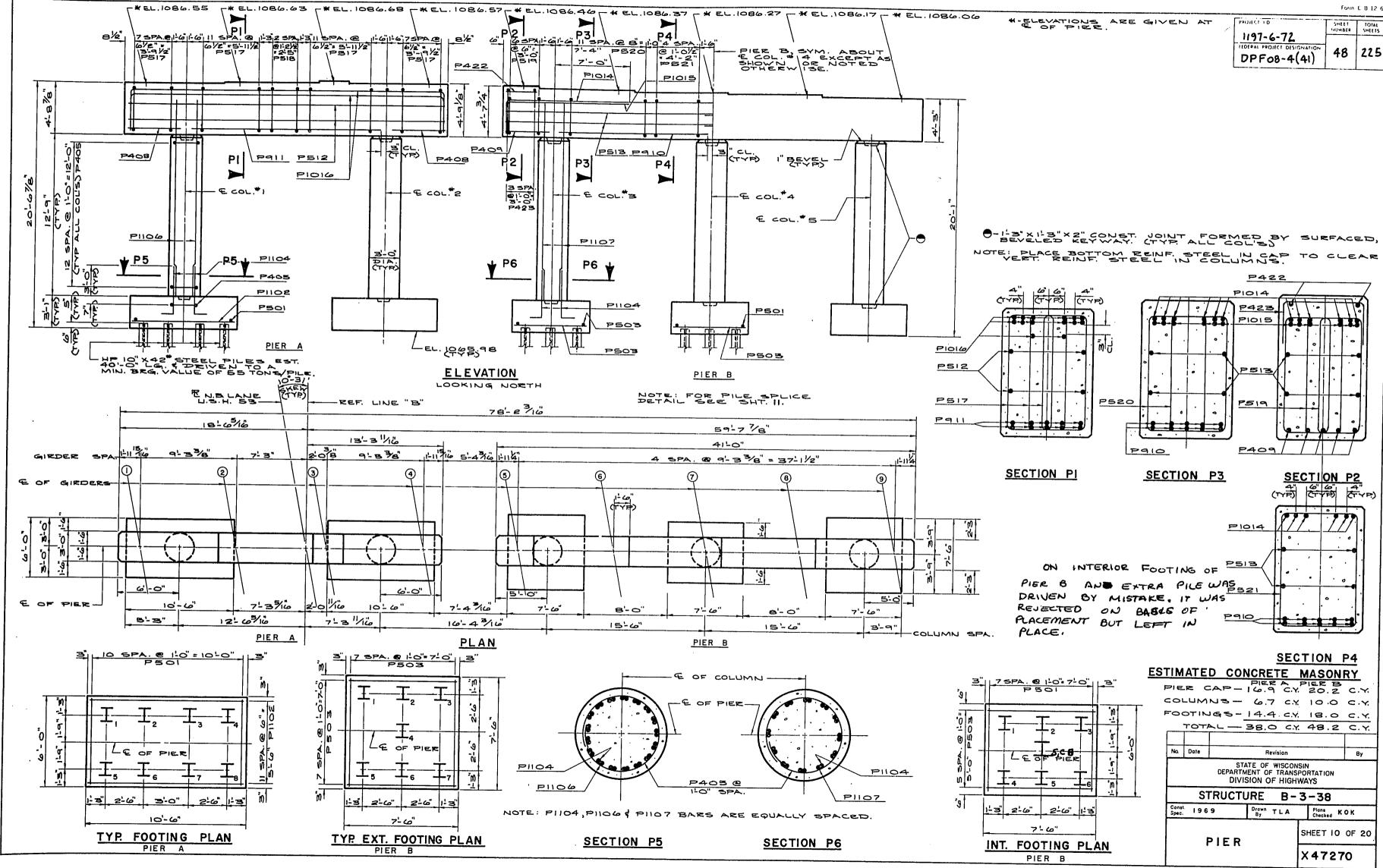










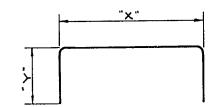


PROJECT 10 1197-6-72 49 225 DPF 08-4(41)

BILL OF BARS

MARK	NO.REQ'D.	LENGTH	BENT	BUND.			CATION				
P50	р	5-8			FTGS	- PIER	A, P	ER B-IL	١٣.		
P1102	24	10-2			11	<u> </u>	<u> </u>				
P503	38	7-2			ţ1	_ "		EXT. 4 15			
P1104	70	6-5	×		" 4			ELS-PIER			
P405	70	9-5	×		" 4			P5 - "	ATB		
P1106	34	17-0			COL' :	5 VER	T - P				
P1107	36	16-6			• • • • • • • • • • • • • • • • • • • •	_ ''_		" B			
P408	10	5-7						T PIER			
P409	0	4-7			11 .	- "	- "		15		
P910	20	15-0		×	., .	- 150TT	<u>0</u> 0		B		
P911	10	19-4	i	×	11	. "		_ "	<u> </u>		
P512	4	31-6			" -	N I D I	<u> </u>	11	^_		
P513	8	21-0			=				25		
P1014	6	47-9	×	×	11 -			_ "	B		
P1015	12	15-5	×	×	,			- "	B		
P1016	14	39-5	×	×	=			- "			
PBIZ	120	12.7	×					1PLE - "	<u> </u>		
P518	3	14-9	×		7	. 11		NGLE- "	_		
P519	42	11-9	×		7			IPLE - "	B		
P520	48	12-9	×		т -			UBLE-"	333		
P521	10	13-11	×		'1	. 11		16-LE			
P422	2	3-1			" -	SEAT	<u> </u>	PIER	333		
P423	4	5-2	×			11		11	B		
			·== 1		T N 13731N	JG - 70 F	TAIL	S ARE	TUC		

NOTE: DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT OF BAR.
THE FIRST DIGIT OF A THREE DIGIT MARK !
THE FIRST TWO DIGITS OF A FOUR DIGIT MARK SIGNIFIES THE BAR SIZE.



MARK	" X"	"~
P 0 4	40'- B'	3'-11"
P1016	31'-6"	4-4
P423	2'-8"	1-4"

-PLATE 5" x 36" x 5"

P1104 & P1015

1'-0' MINJ. LAP

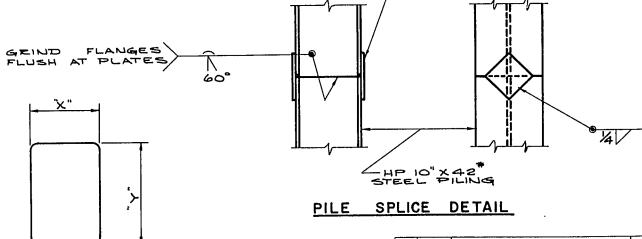
P405

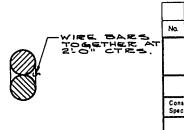
P517 11-7" 41-4" P518 2'-8" 4'-4" P519 1'-7" 3'-11" P520 2'-1" 3'-11" P521 2'-8" 3'-11"

MARK "X"

P1104 - 2'-11/2"

3-11"





BUNDLING DETAIL

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS STRUCTURE B-3-38

Drawn TLA

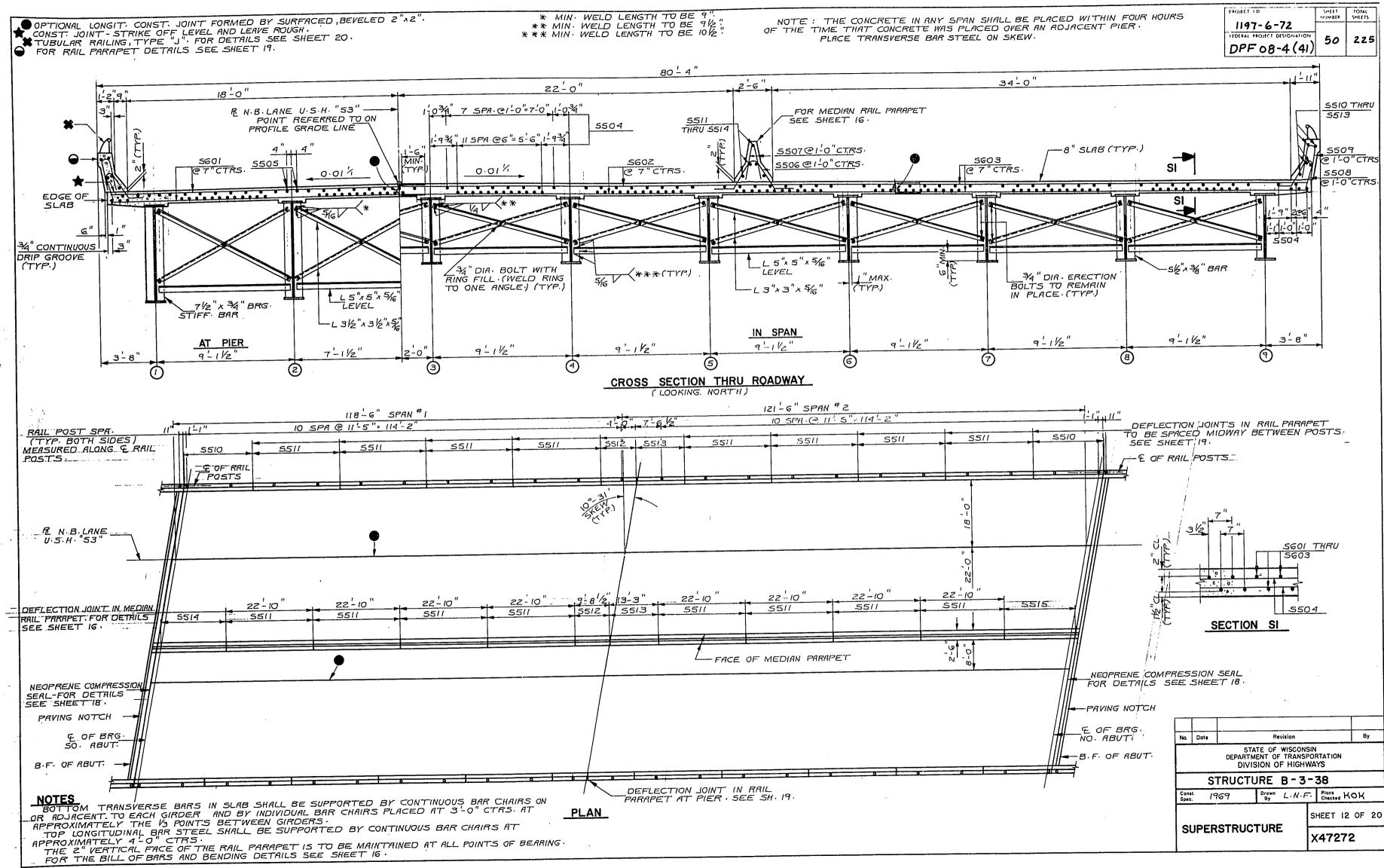
Const. 1969

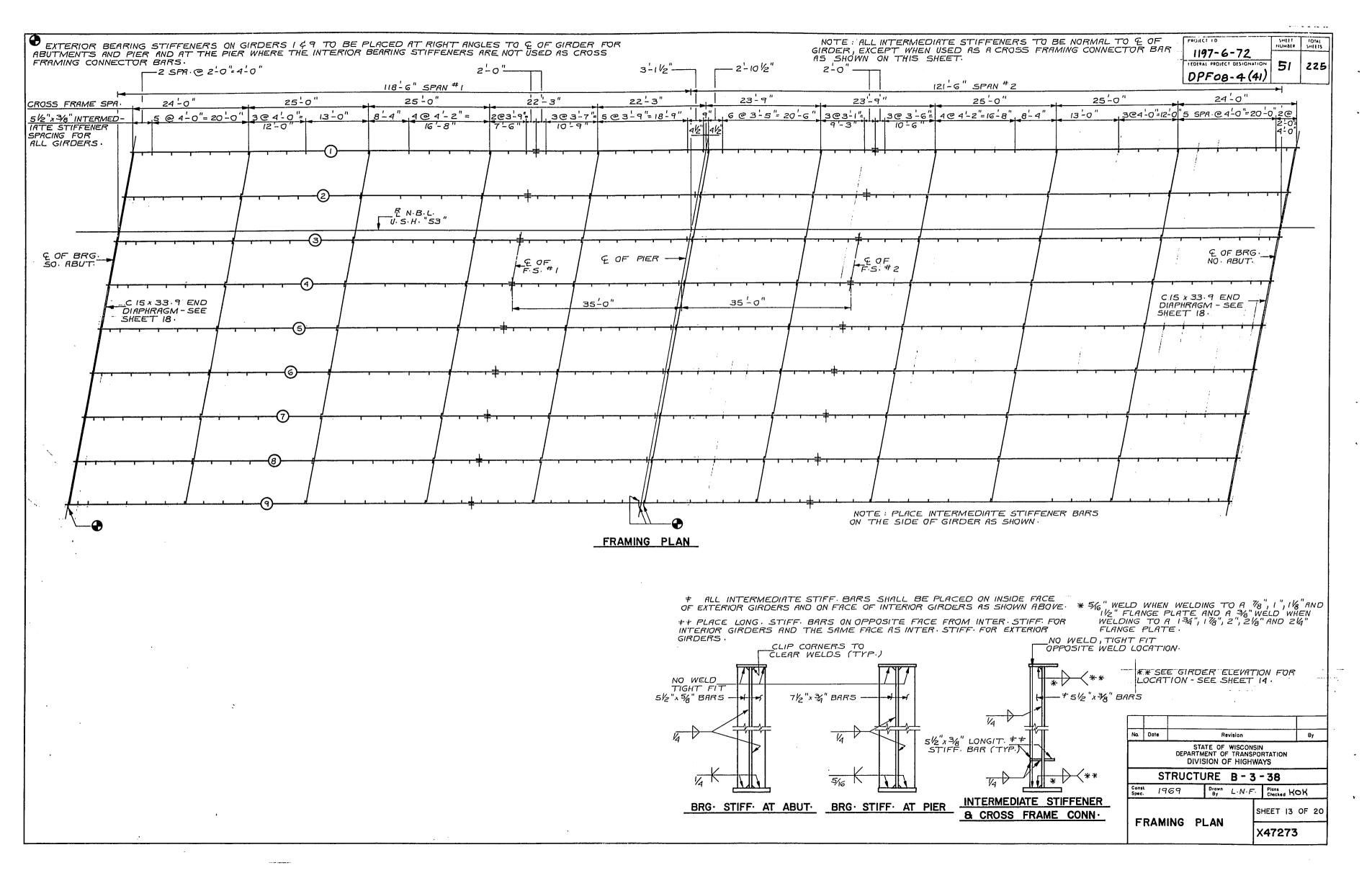
PIER DETAILS

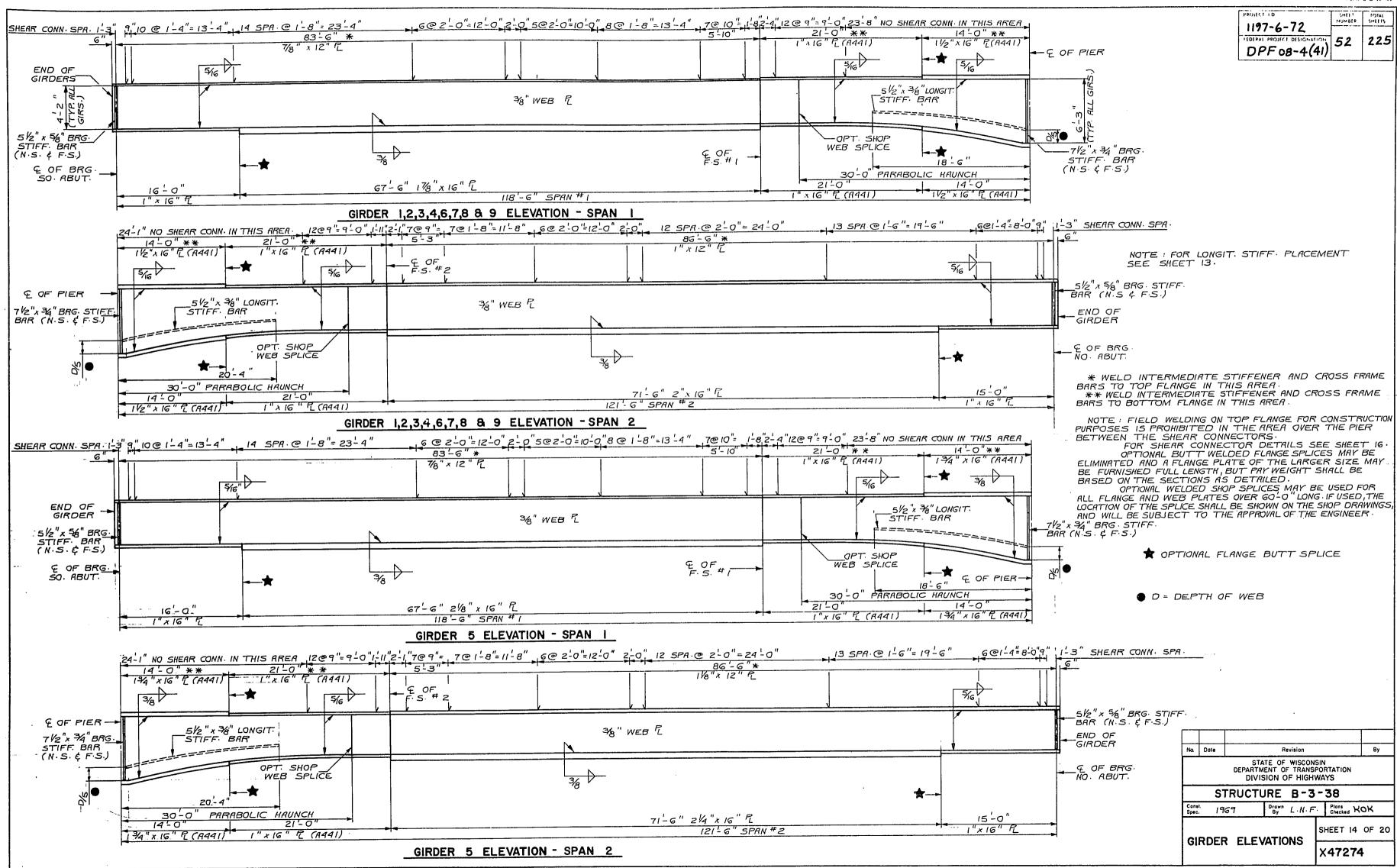
X47271

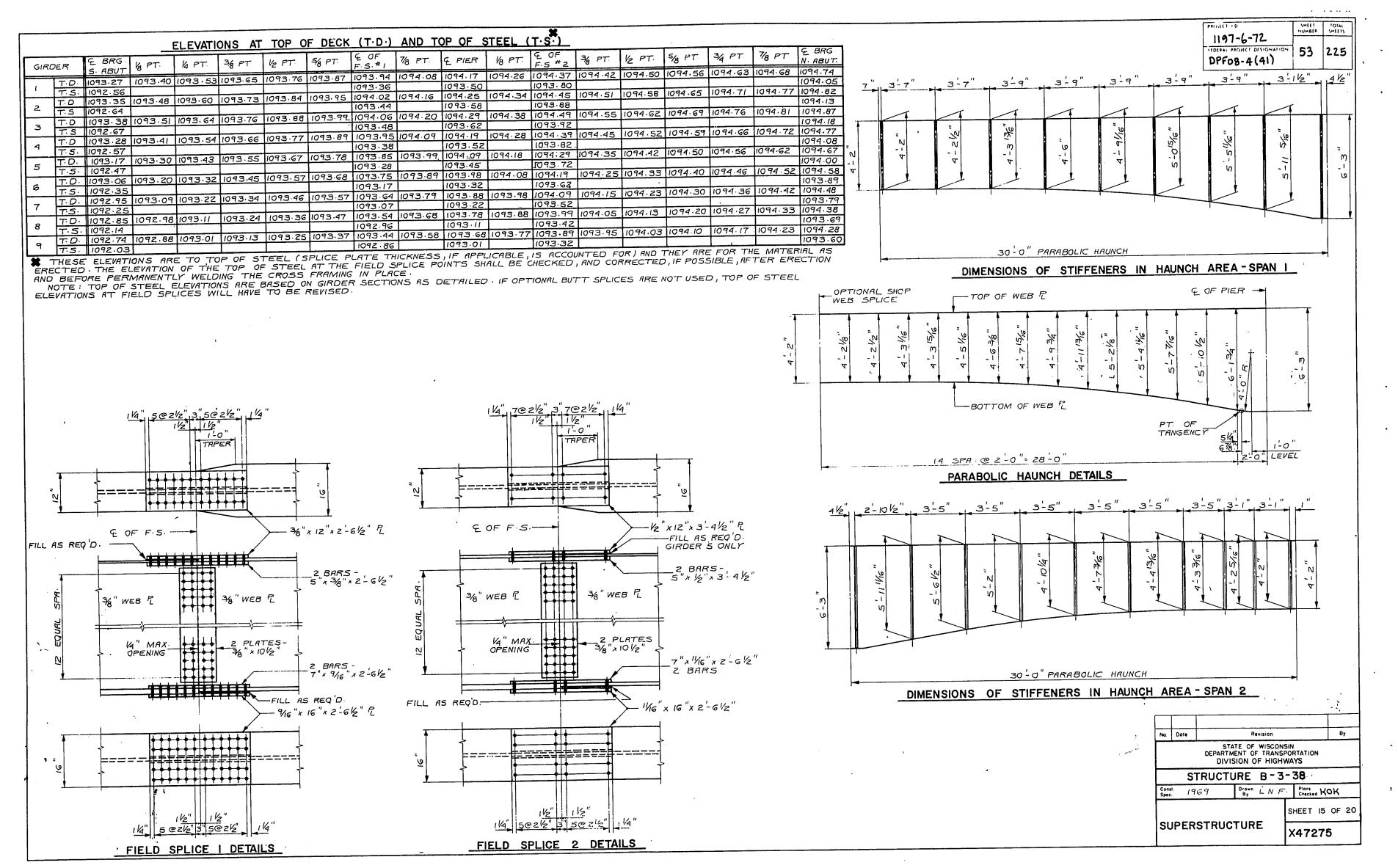
Plans KOK Checked

SHEET II OF 20





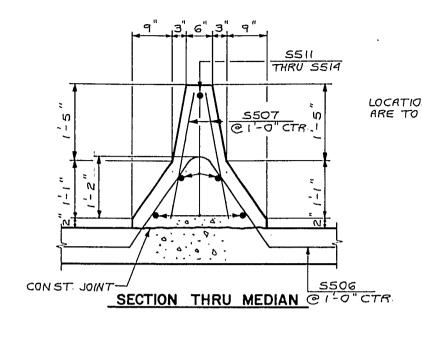


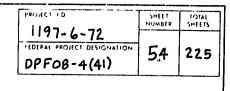


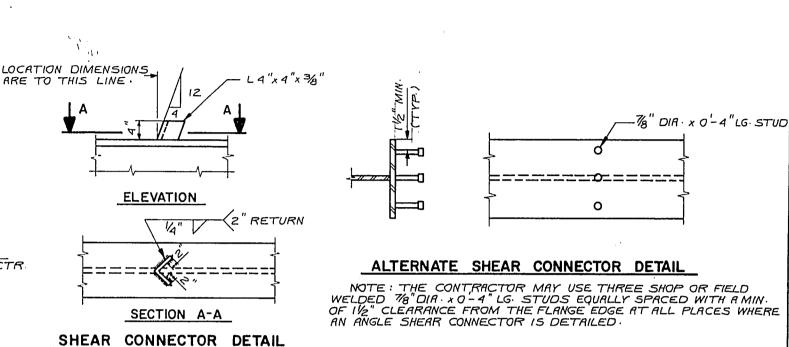
BILL OF BARS

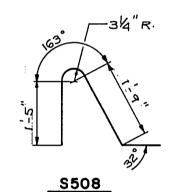
DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT OF BAR. THE FIRST DIGIT OF THE BAR SIGNIFIES THE BAR SIZE .

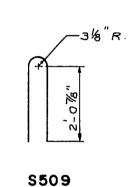
MARK	NO. REQ'D	LENGTH	BENT	LOCATION
5601	823	21-3		SLAB-TOP AND BOTTOM-TRANS
S602	823	34-7		<u>u - 0 0 u - 0</u>
5603	823	27-6		u _ n n n _ n
5504	1190	35-7		" - " " - LONGIT:
<i>5</i> 505	18	15-0		" - TOP - LONGIT - SYM · ABOUT & OF PIER
S506	242	6-10	X	MEDIAN PARAPET - VERT
S507	484	2-4		" - HORIZ
5508	484	4-9	X	RAIL PARAPET - VERT.
5509	484	5-0	X	n n _ n
S510	20	17-8		RAIL PARAPET - HORIZ.
<u>5511</u>	120	22-6		RAIL AND MEDIAN PARAPET-HORIZ
S512	15	9-4		11 t) (C 11 _ R
5513	15	12-11		t1 t1 tt (1 _ 11
S514	5	17-11		MEDIAN PARAPET - HORIZ
55 <i>15</i>	5	17-5		0 0 0
		-		

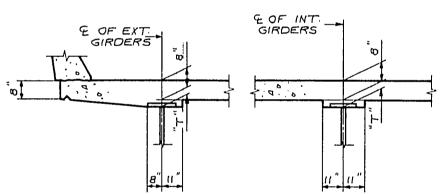




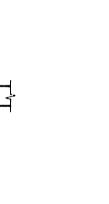


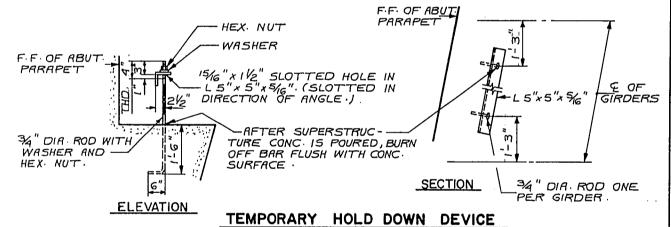






PART SECTION THRU SLAB





NOTE : THE TEMPORARY HOLD DOWN DEVICE SHALL BE PLACED AT ABUT. WHERE SLAB POUR TERMINATES (TO BE PAID FOR AS STRUCTURAL CARBON STEEL.)

BOTTOM OF

TOP FLANGE

E OF BRG

NO ABUT

HORIZ. LINE

-2³/₄" R. \$506

NOTE: TO DETERMINE "T"; AFTER ALL STRUCTURAL STEEL HAS BEEN ERECTED, ELEVATIONS OF THE TOP FLANGES OR TOP OF SPLICE PLATES, WHICHEVER APPLIES, SHALL BE TAKEN AT CENTERLINE OF BEARINGS, CENTER-THE OF FIELDSPLICES AND AT EIGHTH POINTS OF EACH SPAN WHICH ARE MORE
THAN SIX FEET FROM A FIELD SPLICE. THESE ELEVATIONS, SUBTRACTED
FROM THE GRADE ELEVATIONS, ADJUSTED FOR DEADLOAD DEFLECTION OF THE
CONCRETE, MINUS THE SLAB DEPTH, PLUS THE STEEL THICKNESS TO BOTTOM
OF TOP FLANGE, EQUALS THE HAUNCH DEPTH "T".

FILL WITH NON-STAINING GRAY
NON-BITUMINOUS JOINT SEALER. F OF

								Č
	4	PT	4	Td	4	PT		
į	72	70	**	Z	2/2	系	$\overline{}$	
	¥	m	u	0	Ш	4		
-	€ OF. 50 R	BRG BUT:	• · · · •	- -€ 0	F PIER	•		<u>4</u> OF BRO
	118	3'-6" SI	PAN#1	121-6	s" SPA	N # 2		

NON- BITUMINOUS JOINT	,"	F BRG ABUT
RG. 18" ALUMINUM OR ZINC PLATE		
R	"V" GROOVE	GIRDE GIRDE GIRDE GIRDE
}	SECTION R-R	GIRDE

DEFLECTION JOINT AT MEDIAN

DIMENSIONS	R	В	С	D	E]
GIRDER I	0.0	.761	.877	1.183	1.465	1
GIRDER 2	0.0	.764	.883	1.189	1.475	1
GIRDER 3	0.0	.768	·887	1.196	1.484	1
GIRDER 4	0.0	.771	EP8.	1.202	1.494]
GIRDER 5	0.0	.785	.904	1.213	1.505	1
GIRDER G	0.0	.778	.902	1 215	1.514	1
GIRDER 7	0.0	.781	.907	1.221	1.524]
GIRDER 8	0.0	.785	.912	1.228	1.534]
GIRDER 9	0.0	.788	.917	1.234	1.544	7

E OF

PIER

& OF

F·s. #2

No. Date Revision Ву STATE OF WISCONSIN

1	DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS										
1	STRUCTURE B-3-38										
-	Const. Spec.	1969	Drawn L.N.	F.	Plans Checked KOK						
]	SHE	ERSTRU(TUDE	SHEET 16 OF 2							
}	301	- 110	TORE	×	47276						

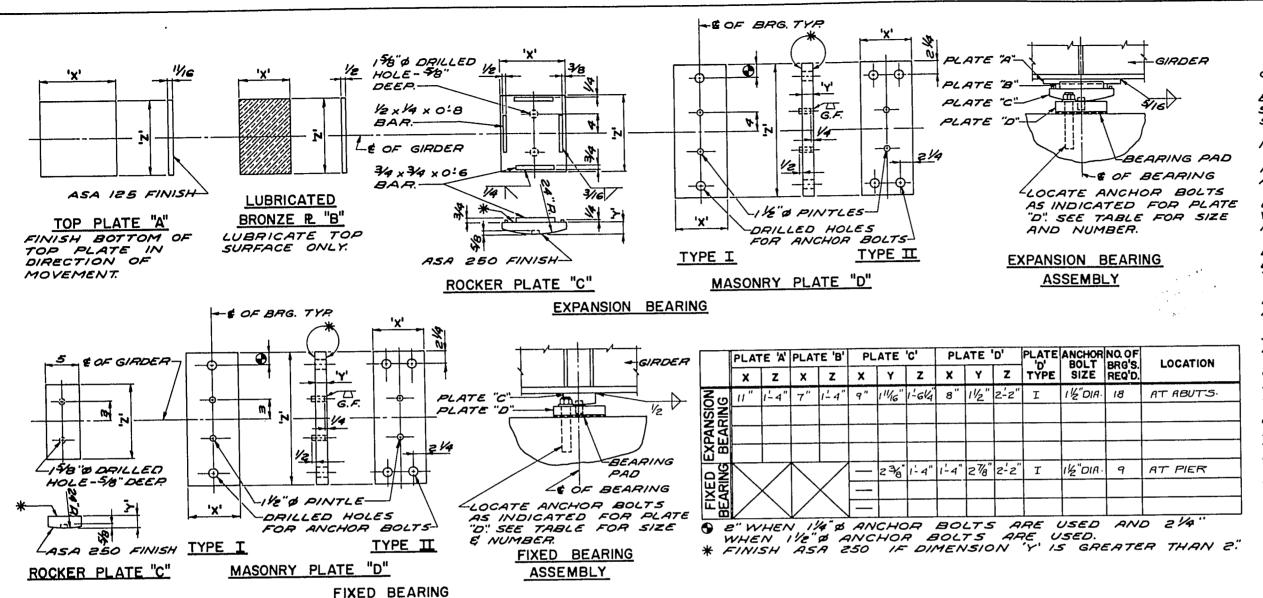
DEFLECTION DIAGRAM (SHOWING DEROLUAD DEFLECTION ONLY)

		DEFLECTION	R	8	C	D	E	F
- 1	GIRDERS	CONC. ONLY	11/16"	1%"	11/16"	11/16"	13/4"	1 9/16"
	1,2,3,4,6,7,8 \$ 9	TOTAL	1/5/16"	27/6"	13/16"	13/16"	2"	113/16"
-		CONC ONLY	17/8"	2116"	13/16"	3/4"	17/8"	15/8"
1	GIRDER 5	TOTAL	21/8"	2 ³ /8"	15/16"	13/16"	2/8"	17/8"

<u>86 -</u> 6 " 118 - 6" SPAN #1 121 - 6 " 5PAN #2 BLOCKING DIAGRAM

35-0"

F.S. #1



BEARING NOTES

B. P. R. Division	Project	Sheet Number	Total Sheets
4	1197-6-72 DPF08-4(4	,55	225

ALL BEARINGS ARE SYMMETRICAL ABOUT & OF GIRDER AND & OF BEARING. ALL STRUCTURAL STEEL BEARING PLATES SHALL

HEL STAULTUMAL STEEL BEAMING PLATES SHALL BE FLAT ROLLED STEEL PLATES WITH ALL SURFACES SMOOTH AND FREE FROM WARP AND ALL EDGES SMOOTH, STRAIGHT AND VERTICAL.

ALL PLATE CUTS SHALL BE MACHINE OR

ALL PLATE CUTS SHALL BE MACHINE OR MACHINE FLAME CUTS.

ANCHOR BOLTS SHALL BE THREADED 3".

PROVIDE ONE STANDARD WAOUGHT WASHER

AND ONE HEX. NUT PER BOLT. ALL MATERIAL INCLUDING SHIMS BUT

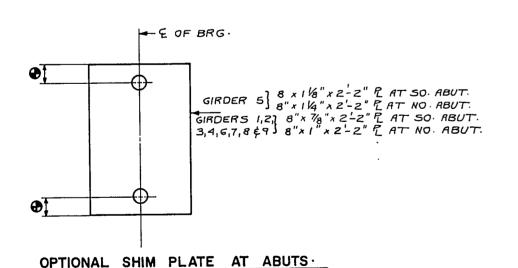
EXCLUDING ANCHOR BOLTS, PINTLES, NUTS AND WASHERS SHALL BE MADE OF ASBB STEEL. PINTLES SHALL BE MADE OF A449 STEEL. ALL MATERIAL IN BEARINGS, EXCLUDING BRONZE PLATES AND BEARING PADS SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "STRUCTURAL LOW ALLOY STEEL"

CHAMFER TOP OF PINTLES VO" DRILL CHAMPEN TOP OF PINILES VO. DAILE
HOLES FOR PINTLES IN ALL MASONRY
PLATES FOR DRIVING FIT.
PROVIDE VB" THICK BEARING PAD SAME

SIZE AS MASONRY PLATE "D" FOR EACH BEARING.

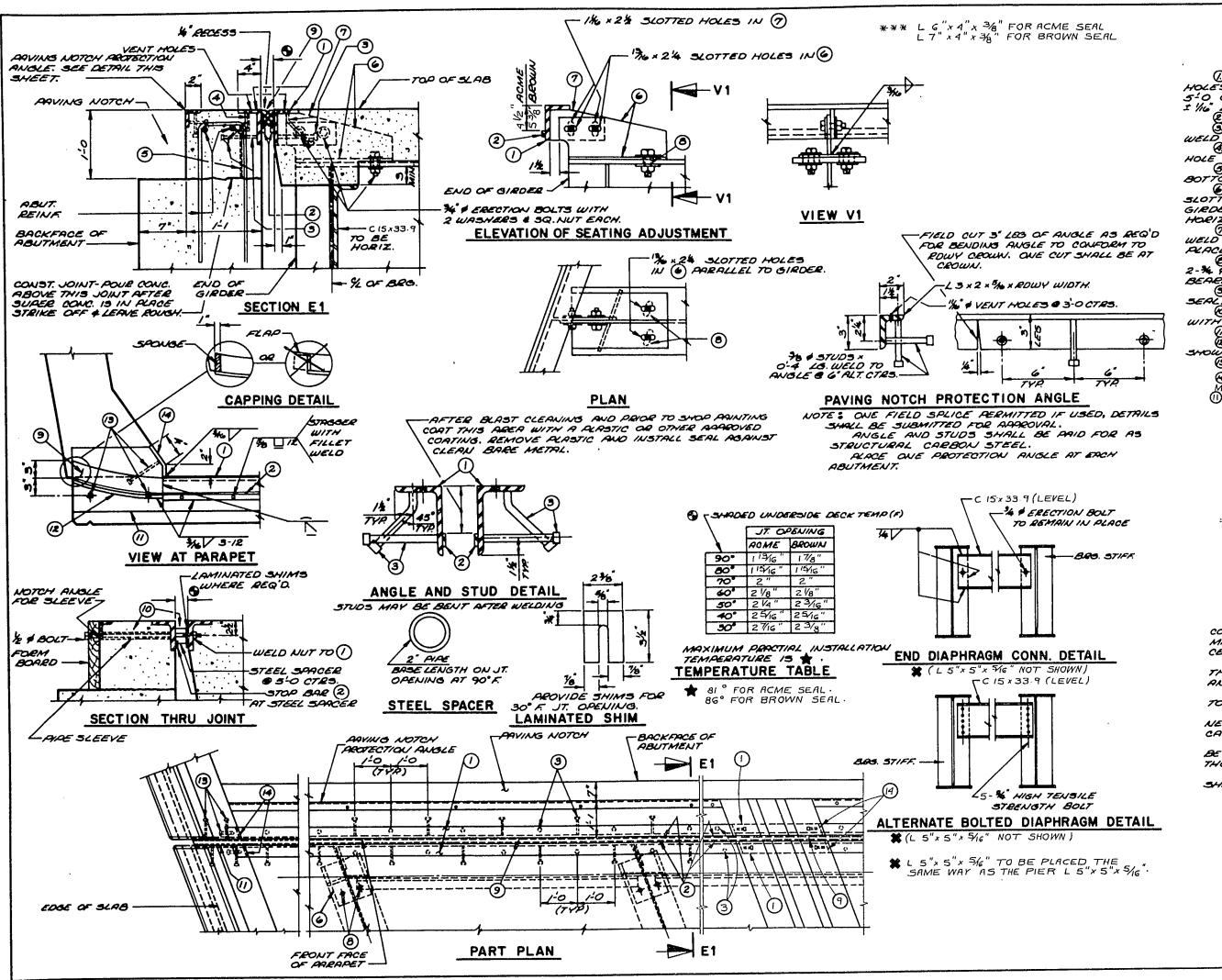
ANCHOR BOLTS SHALL BE OF A SIZE AS
GIVEN IN THE TABLE. LENGTH OF 11/4 Ø ANCHOR
BOLTS TO BE 1-5. LENGTH OF 11/2 Ø ANCHOR
BOLTS TO BE 1-10. PROJECT ANCHOR BOLTS
"D" PLATE THICKNESS + 21/4 " ABOVE TOP OF CONCRETE. DRILLED HOLES FOR ANCHOR BOLTS IN PLATE "D" SHALL HAVE A DIAMETER LARGER THAN THE ANCHOR BOLT DIAMETER.

ALL FINISHED SURFACES SHALL BE MACHINE FINISHED BY AN AUTOMATIC PROCESS.



NOTE: SHIM PLATES TO BE USED AT ABUTS. IF OPTIONAL FLANGE BUTT SPLICE IS USED.

No. Date Revision STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS STRUCTURE B-3-38 1969 Drawn L. N. F. Plans KOK SHEET 17 OF 20 BEARING DETAILS X47277



SHEETS 1197-6-72 225 56 DPF08-4 (41) LEGEND

WITH 1% & VENT HOLES AT 2:0 CTRS AND 1/6 & HOLES FOR BOLT (A AT 5:0 CTRS. ANGLE FACES MUST BE PARALLEL WITHIN I 1/6 BETWEEN STEEL SPACERS (A. RETAINER BAR IX4

18 \$ x 0' 6% LONG STUDS AT 1'O ALTERNATE CTRS. (A) L 3 × 21/2 × % × 0'-3@ 3'-0 CTRS. WELD TO (). AROVIDE 186 & E IN 25 LEG FOR ROD (3).

(3) N & ROD × 0'-10 LONG WITH NUT. TACK WELD NUT TO

BOTTOM OF (A). THREAD 3.

(A) FABRICATE FROM & WELDED PLATES. 2-1% × 24

SLOTTED HOLES IN BASE PLATE PARALLEL TO 4L OF

GIRDER. 2-1% × 24 SLOTTED HOLES IN STEM PLACED HORIZONTALLY.

7 % PLATE. WELD TO LEGS OF () WITH % FILLET WELD NEAR SIDE AND FAR SIDE. 2-1% x 2% SLOTTED HOLES

PLACED VERTICALLY.

(B) 2-1% × 1% SLOTTED HOLES IN GIRDER FLANGE FOR 2-% & ERECTION BOLTS. SLOT TO BE PARALLEL TO YL OF BEARING. CLEAR BEARING STIFFENER BY 1% MIN. 9 AREFORMED B-GIO ACME OR H-3500 BROWN NEOPRENE

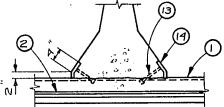
@ BLOCK AND BOLT FOR SHIPMENT AND ERECTION PIPE SLEEVE, STEEL SARCER AND & BOLT AT 5'O CTAS.

HE PLATE - SHAPE TO FIT. SHOP WELD TO (1)

RETAINER BAR K & WELD TO PLATE (1) AS

1 TO PLATES (1) AND STUDS. WELD TO PLATES (1) AND (4).

MEDIAN PARAPET AS SHOWN SHOP WELD TO () AND PLATE () AT CURB . AT MEDIAN PARAPET, WELD TO ().



SECTION THRU MEDIAN PARAPET AT JOINT

NOTES

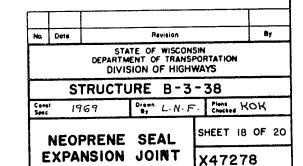
CAPPING DETAIL - PROVIDE EITHER: SCE - 428 CLOSED CELL NEOPRENE SPONGE CONFORMING TO ASTM DIOSG -GTT, I" THICK CUT TO MATCH THE UNCOMPRESSED SEAL CROSS SECTION AND CEMENTED IN PLACE WITH THE LUBRICANT ADHESIVE, OR A FLAP FORMED BY CUTTING AWAY ALL BUT THE TOP SURFACE OF THE SEAL THEN BENT DOWN AND CEMENTED IN PLACE.

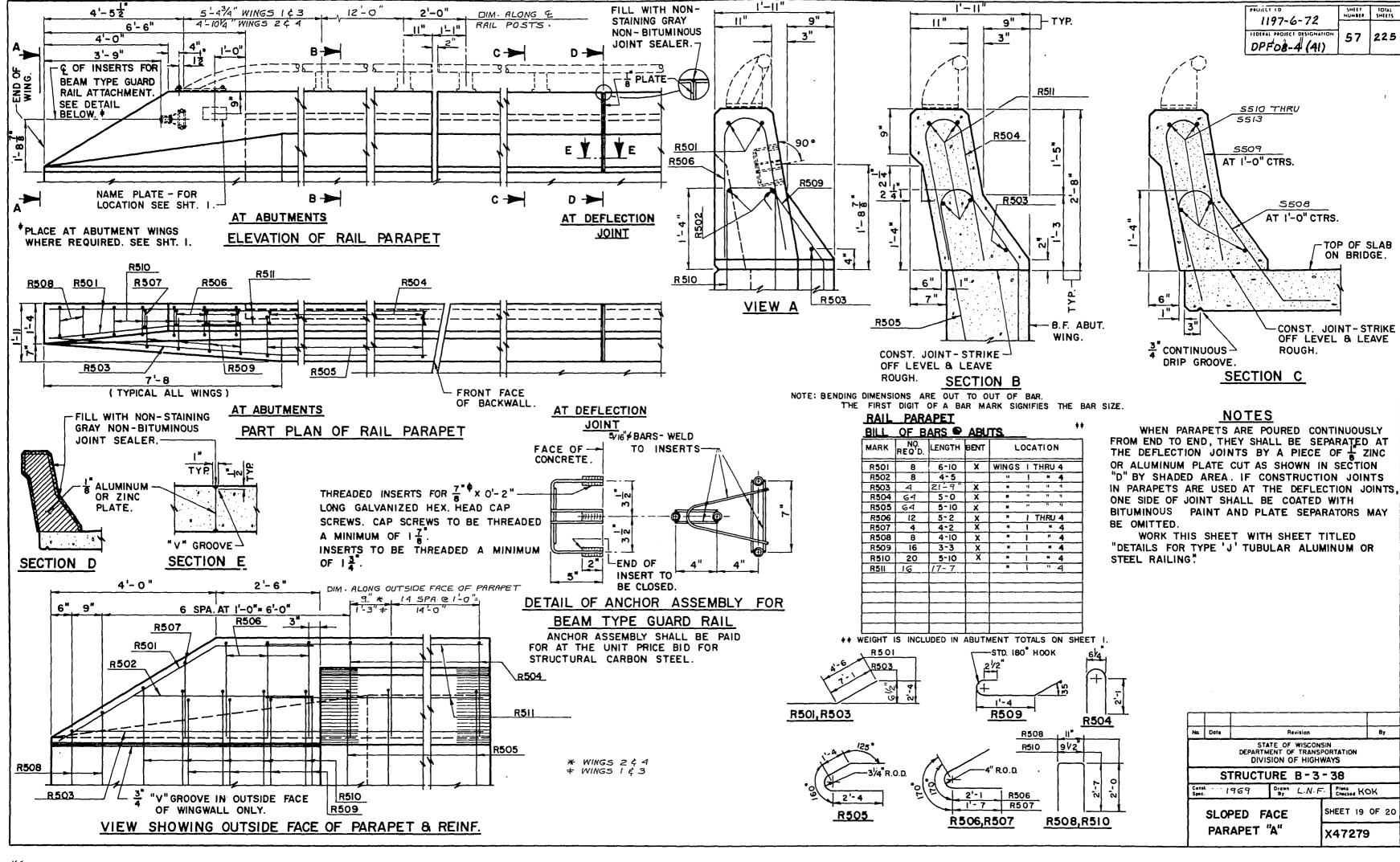
EXPANSION JOINT SHALL BE BUILT TO CONFORM TO ROADWAY CROWN AND GRADE.

ALL MATERIAL IN EXPANSION JOINT EXCEPT NEOPRENE SEAL SHALL BE PAID FOR AS STRUCTURAL CARBON STEEL.

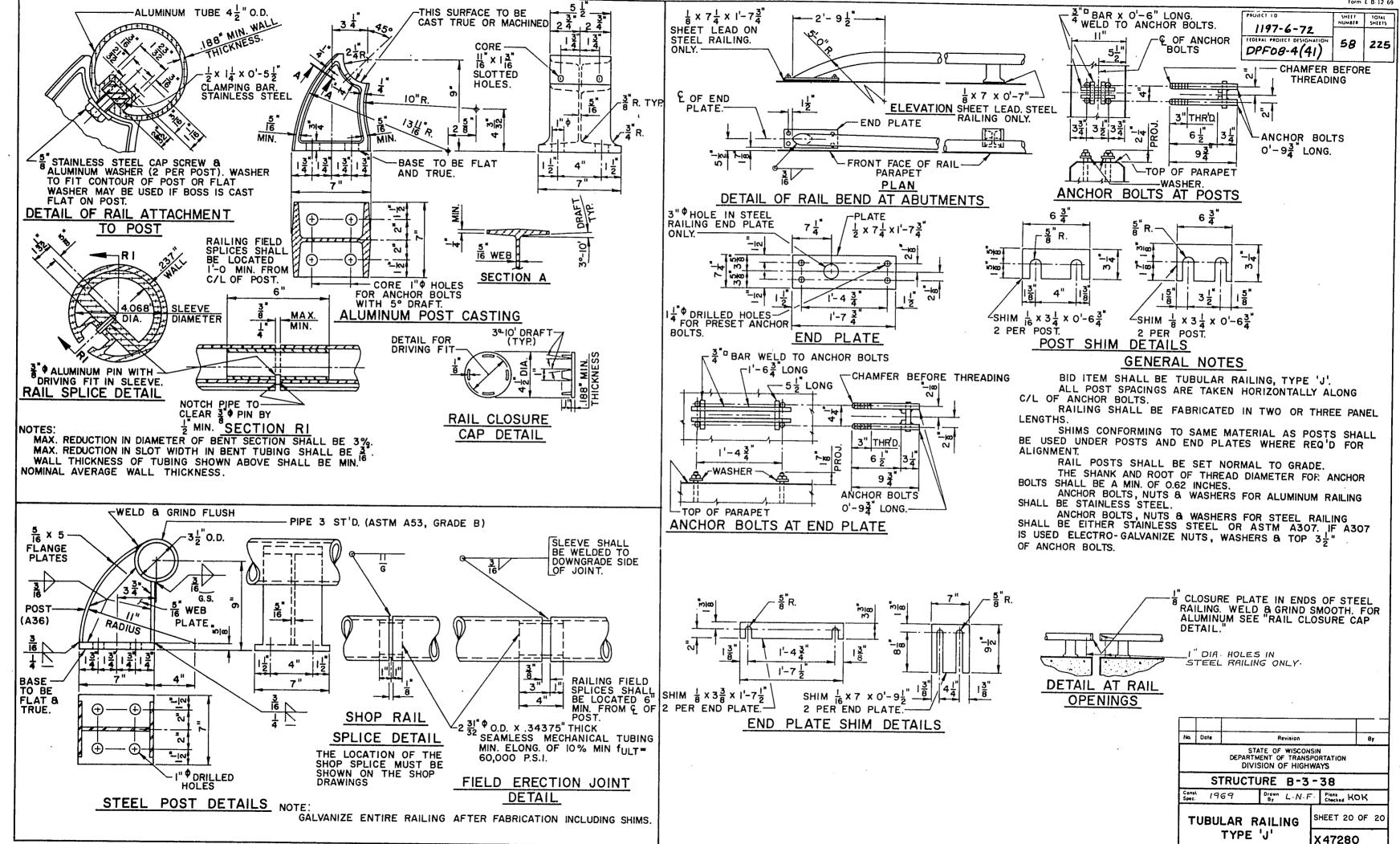
AFTER CONCRETE HAS SET, BLOCKING OF SHALL BE REMOVED AND THE JOINT OPENING SHALL BE THOROUGHLY CLEANED.

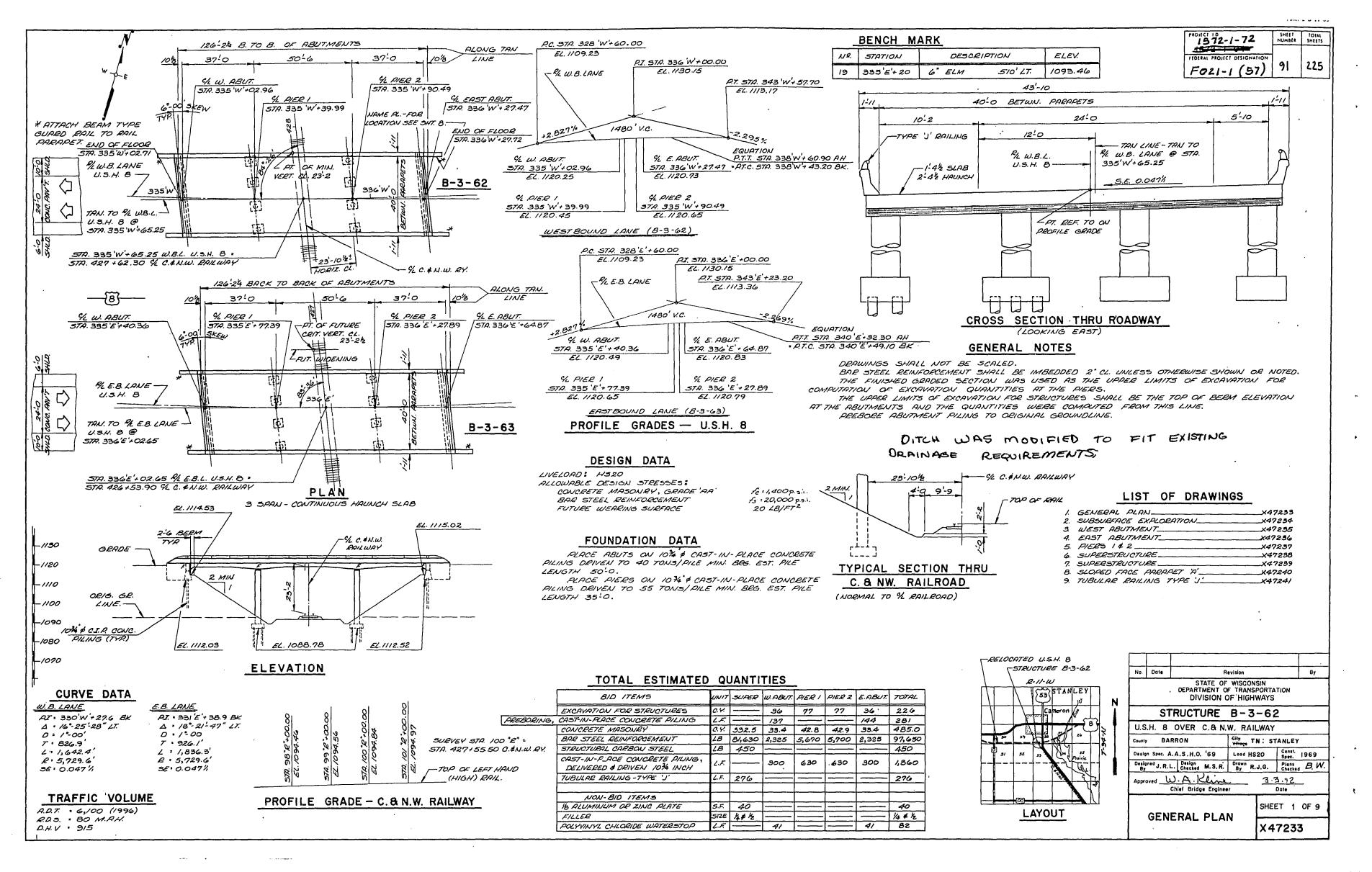
ONE FIELD SPLICE PERMITTED. IF USED, DETAILS SHALL BE SUBMITTED FOR APPROVAL.

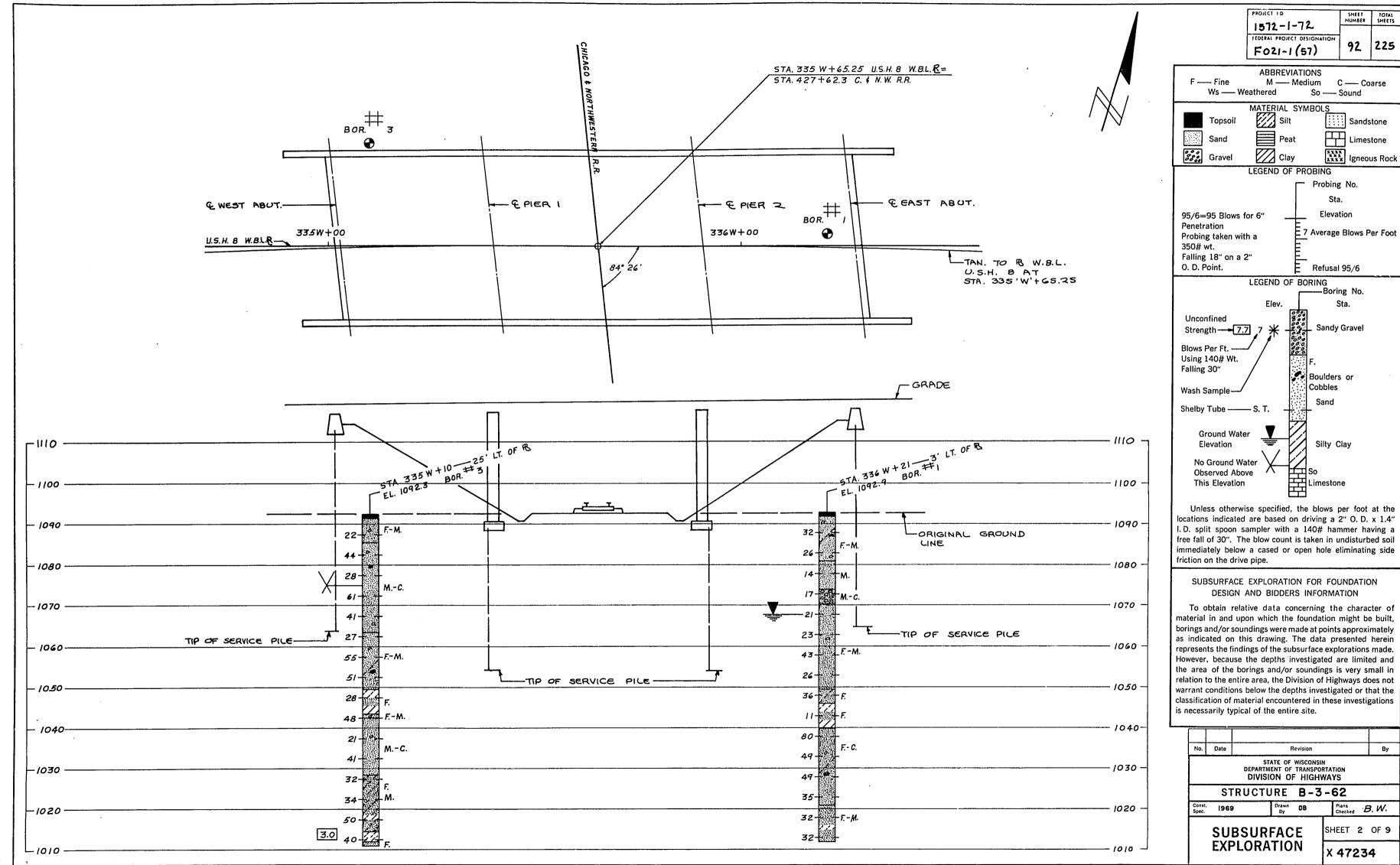


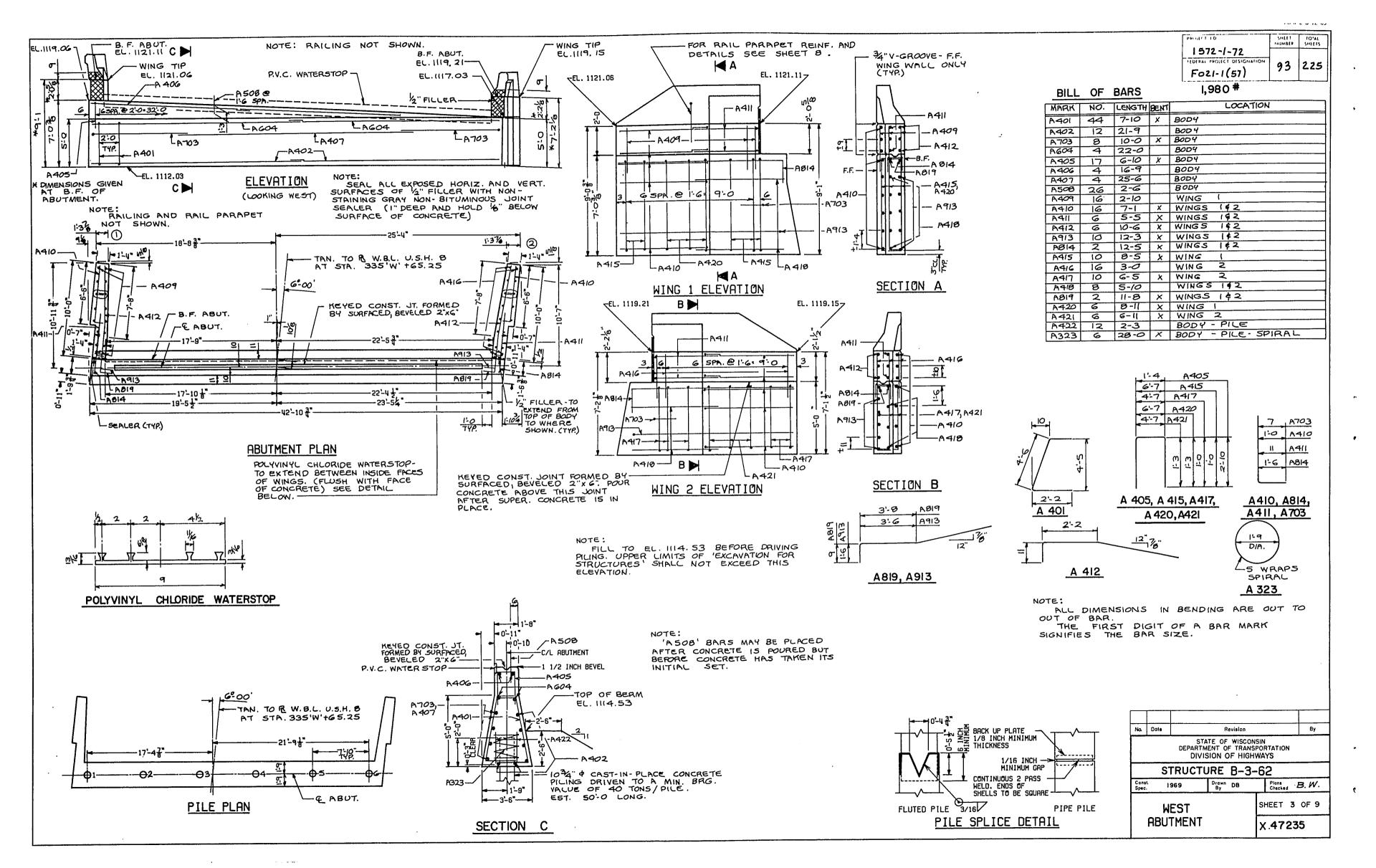


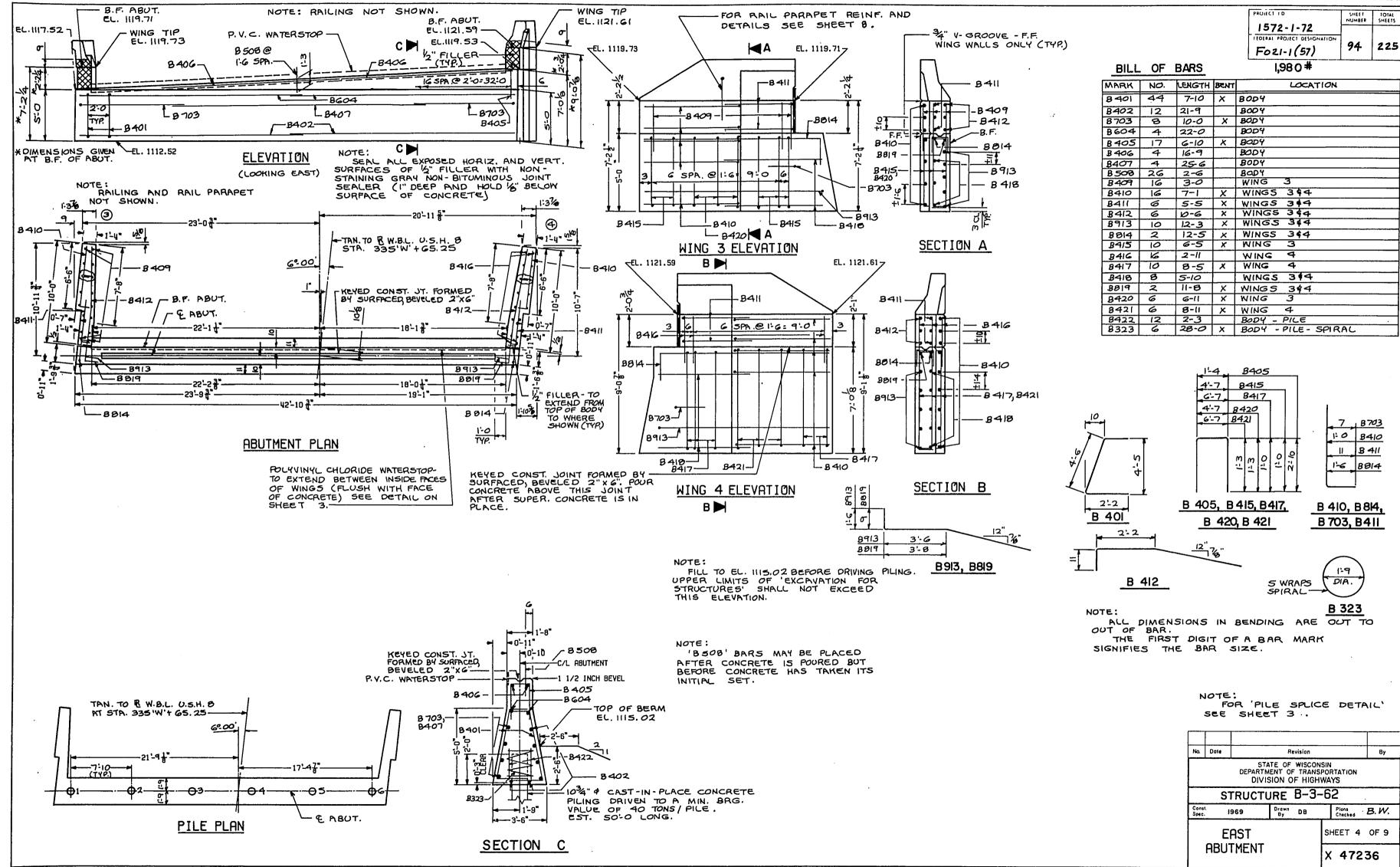
20.7

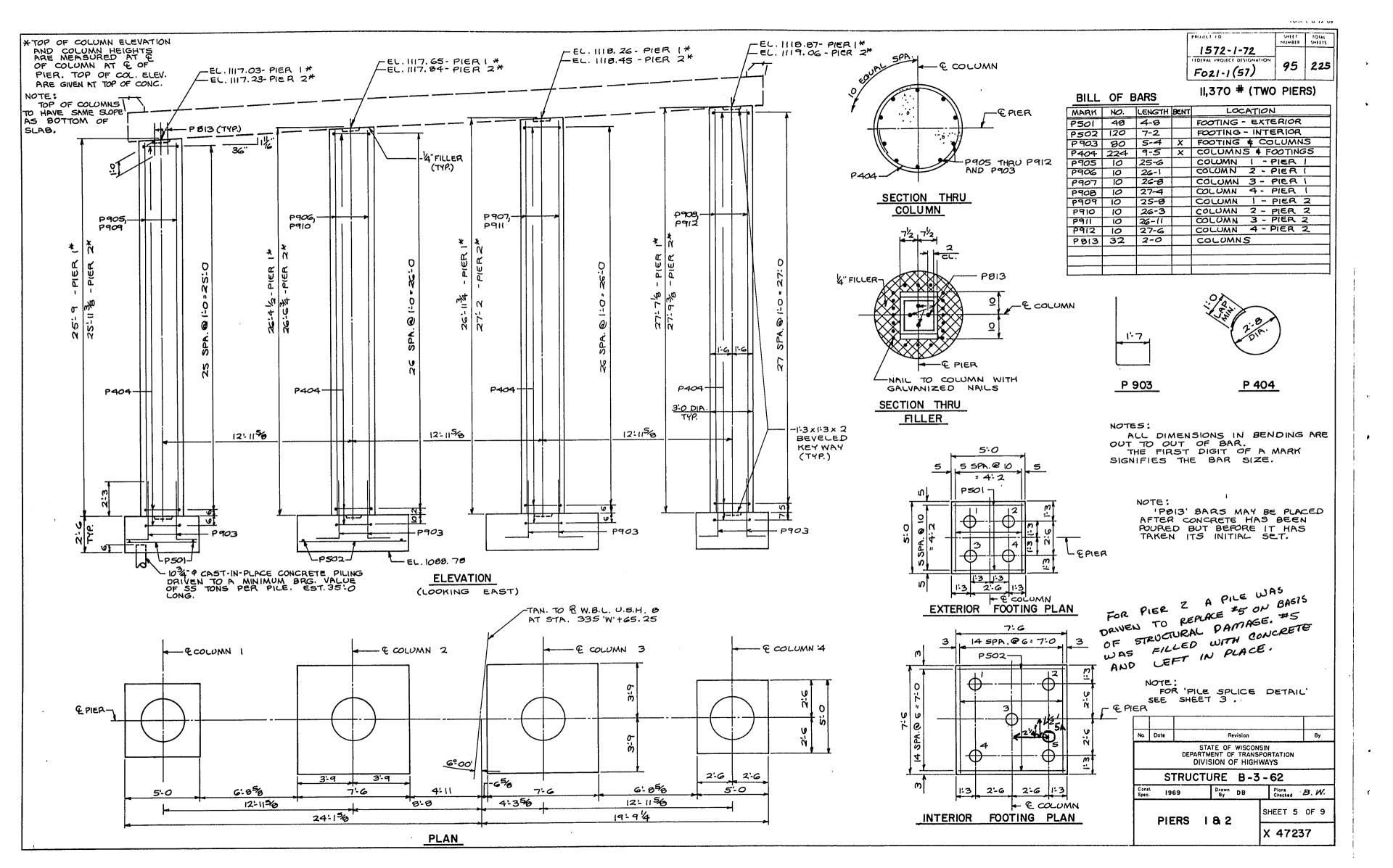


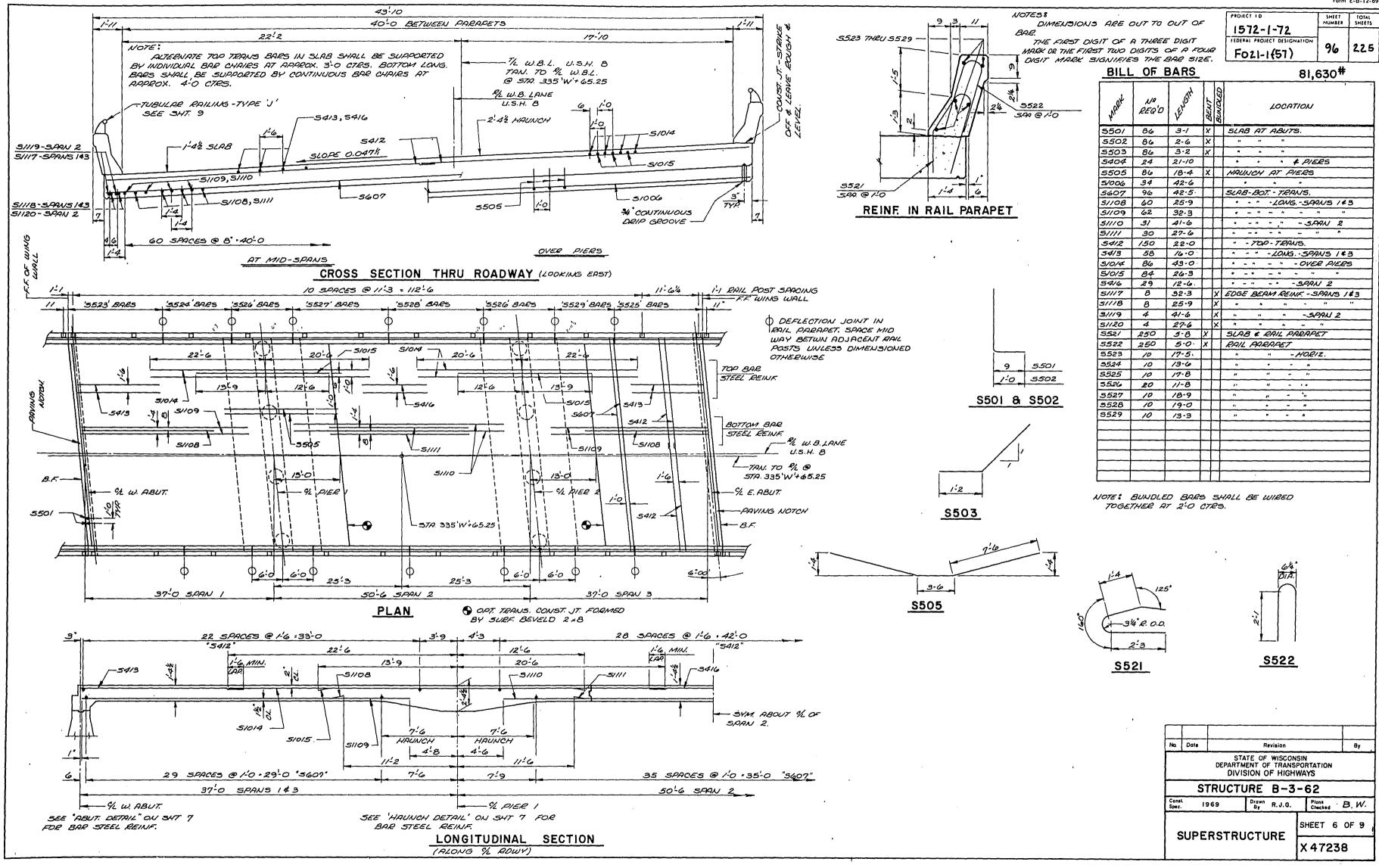




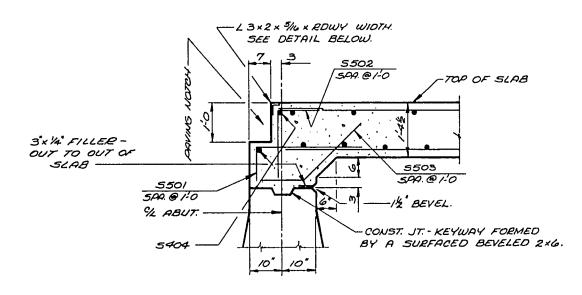




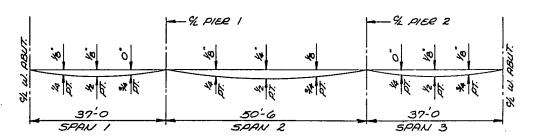




PROJECT 10	SHEET NUMBER	TOTAL
1572-1-72		
TEDERAL PROJECT DESIGNATION	97	225
FO21 -1(57)		

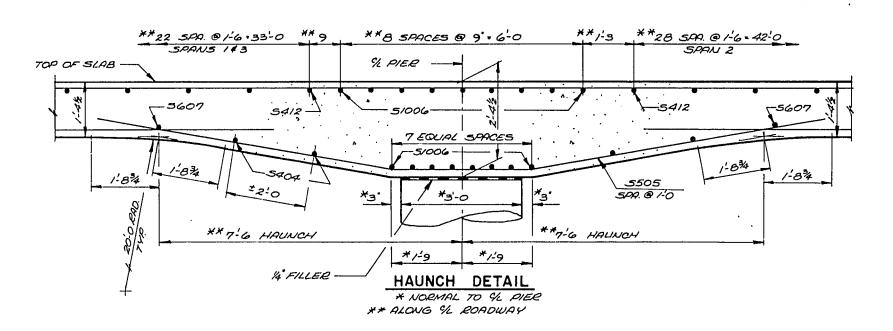


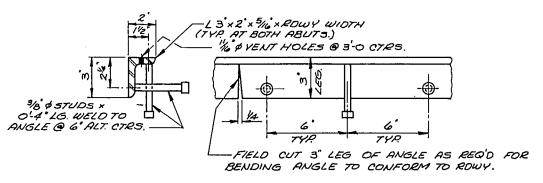
(NORMAL TO % ABUT)



DEFLECTION DIAGRAM

ALL SLAB THICKNESS DIMENSIONS ARE MINIMUM. ANY
TOLEPANCES NECESSARY TO CORRECT CONSTRUCTION DISCREPANCIES
ARE TO BE PLUS (+). PARAPETS SHOWN ABOVE THE HORIZ. CONST. JT.
SHALL BE POURED AFTER THE FALSEWORK HAS BEEN RELEASED.
PROVIDE CAMBER OF 516" AT THE 1/2 PT OF SPANS I \$3 AND
5% AT THE 1/2 PT. OF SPAN 2 TO PROVIDE FOR DEAD LOAD DEFLECTION
AND FUTURE PLASTIC FLOW. THIS DOES NOT INCLUDE AN ALLOWANCE
FOR FORM SETTLEMENT.





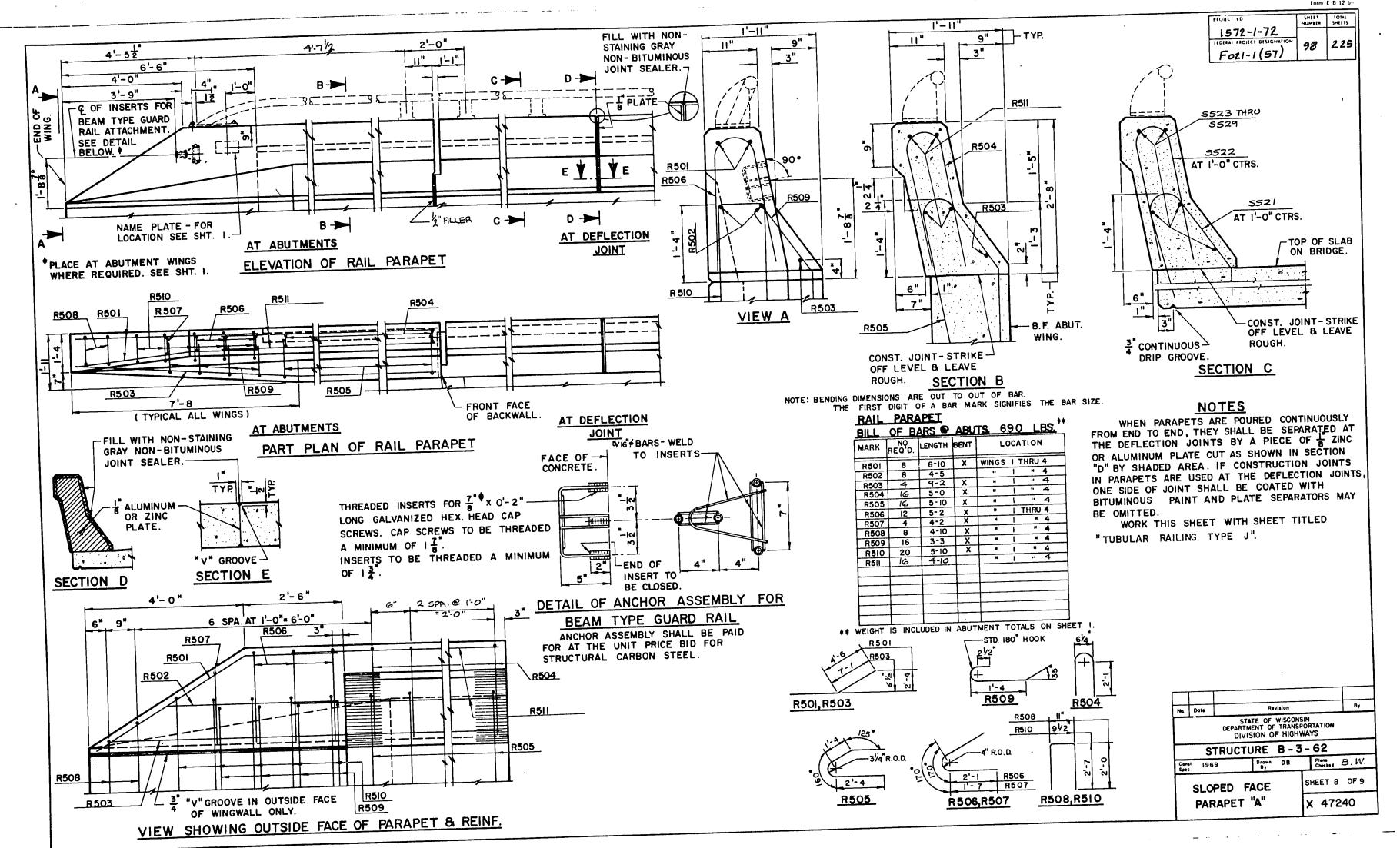
PROTECTION ANGLE DETAIL

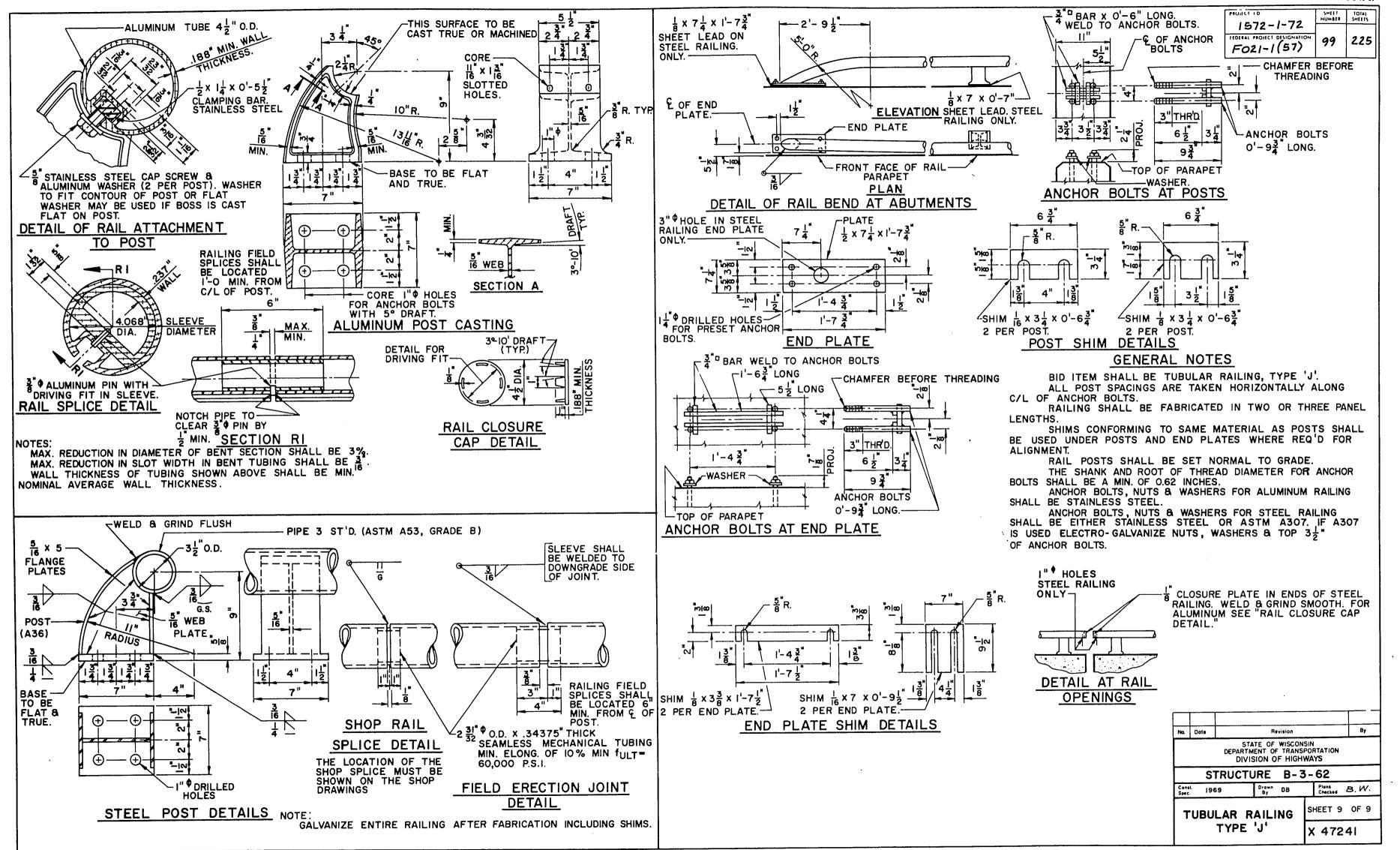
NOTE: ANGLE AND STUDS SHALL BE PAID FOR AS STRUCTURAL CARBON STEEL. ONE FIELD SPLICE PERMITTED, IF USED, DETAILS SHALL BE SUBMITTED FOR APPROVAL.

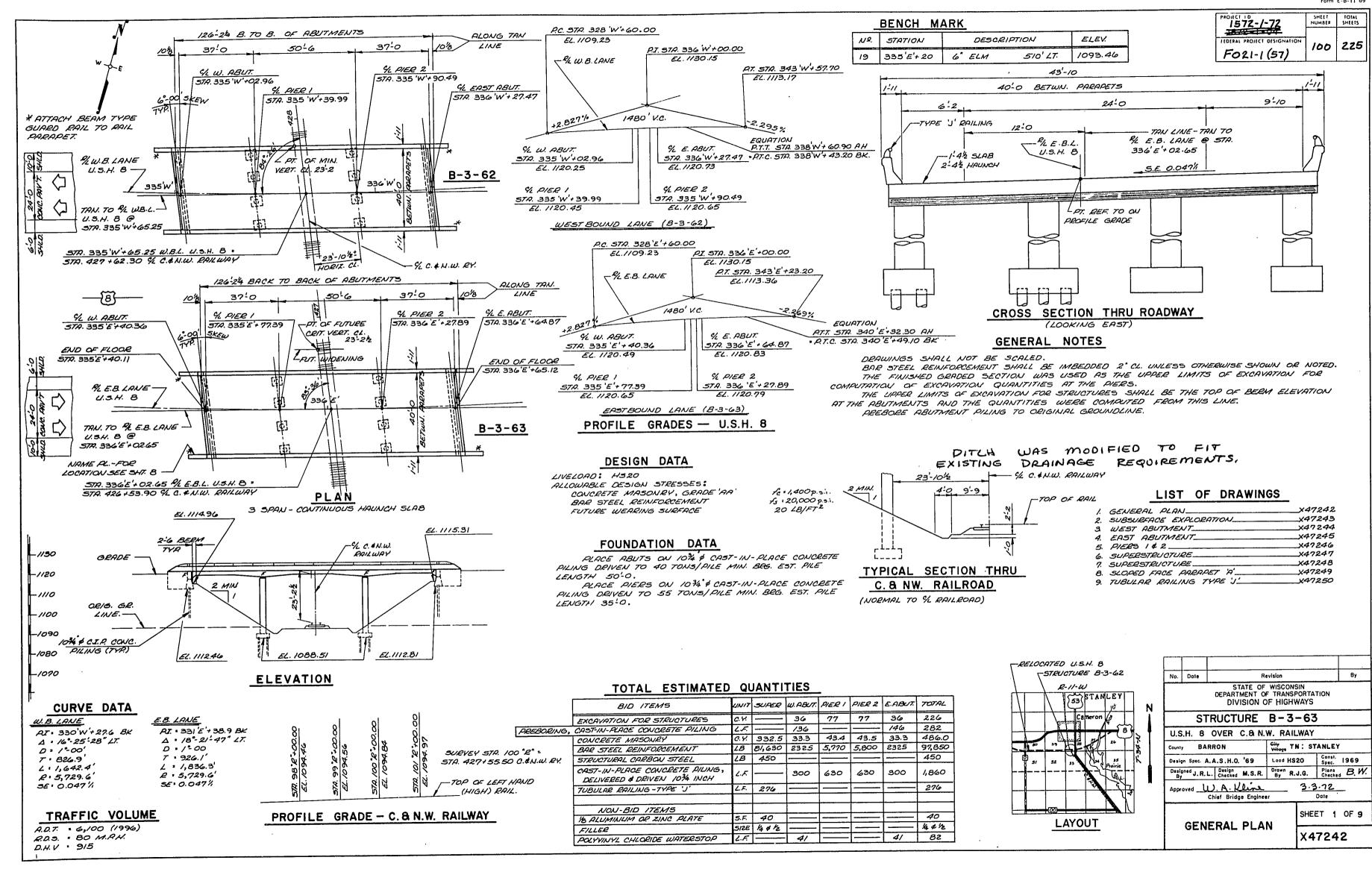
No.	No. Date Revision		Ву		
		DEPART	MENT O	WISCONS F TRANSF OF HIGH	PORTATION
	S	TRUCT	URE	B-3	-62
Cons Spec		969	Drawn By	R.J.G.	Plans Checked B. W

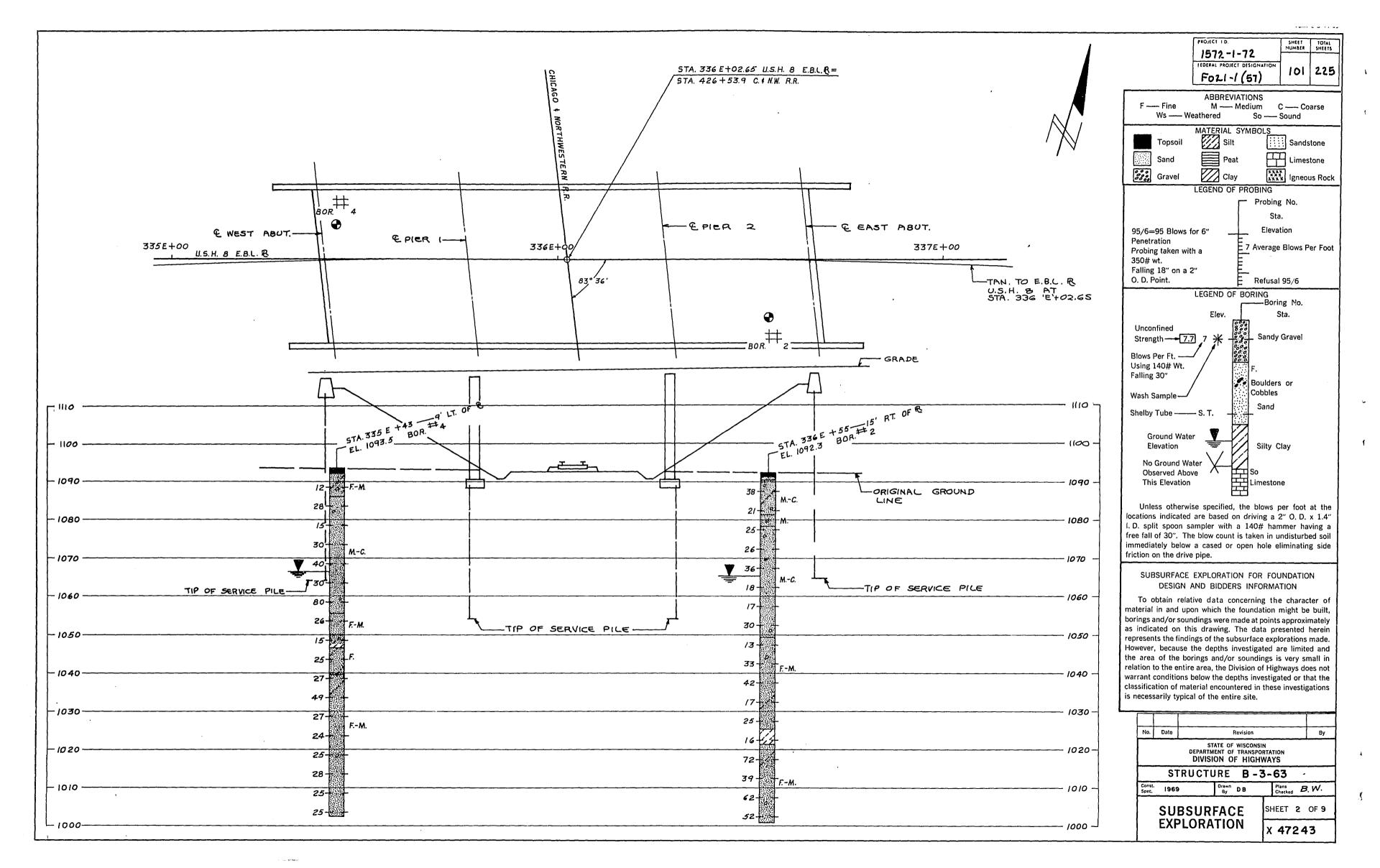
X47239

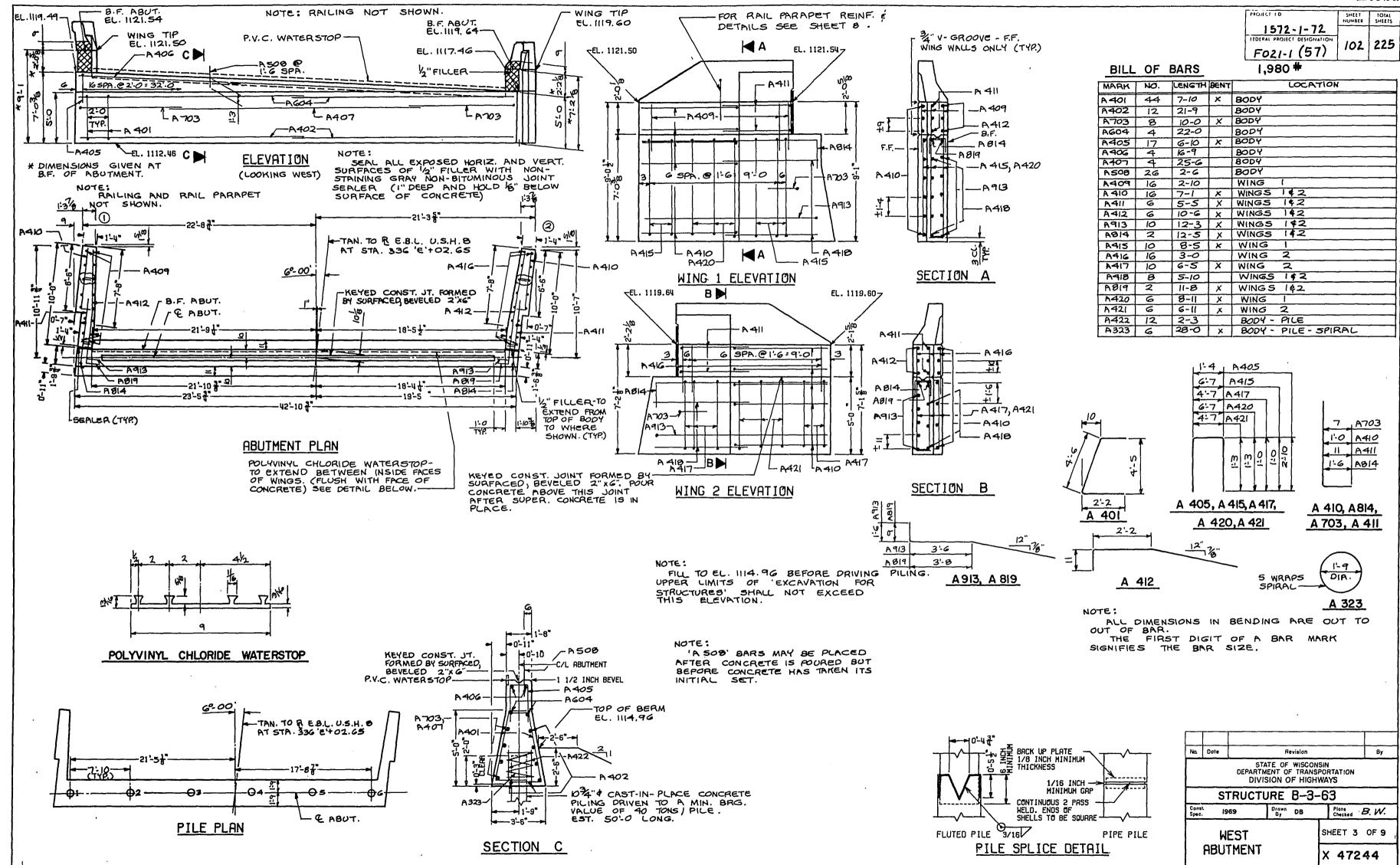






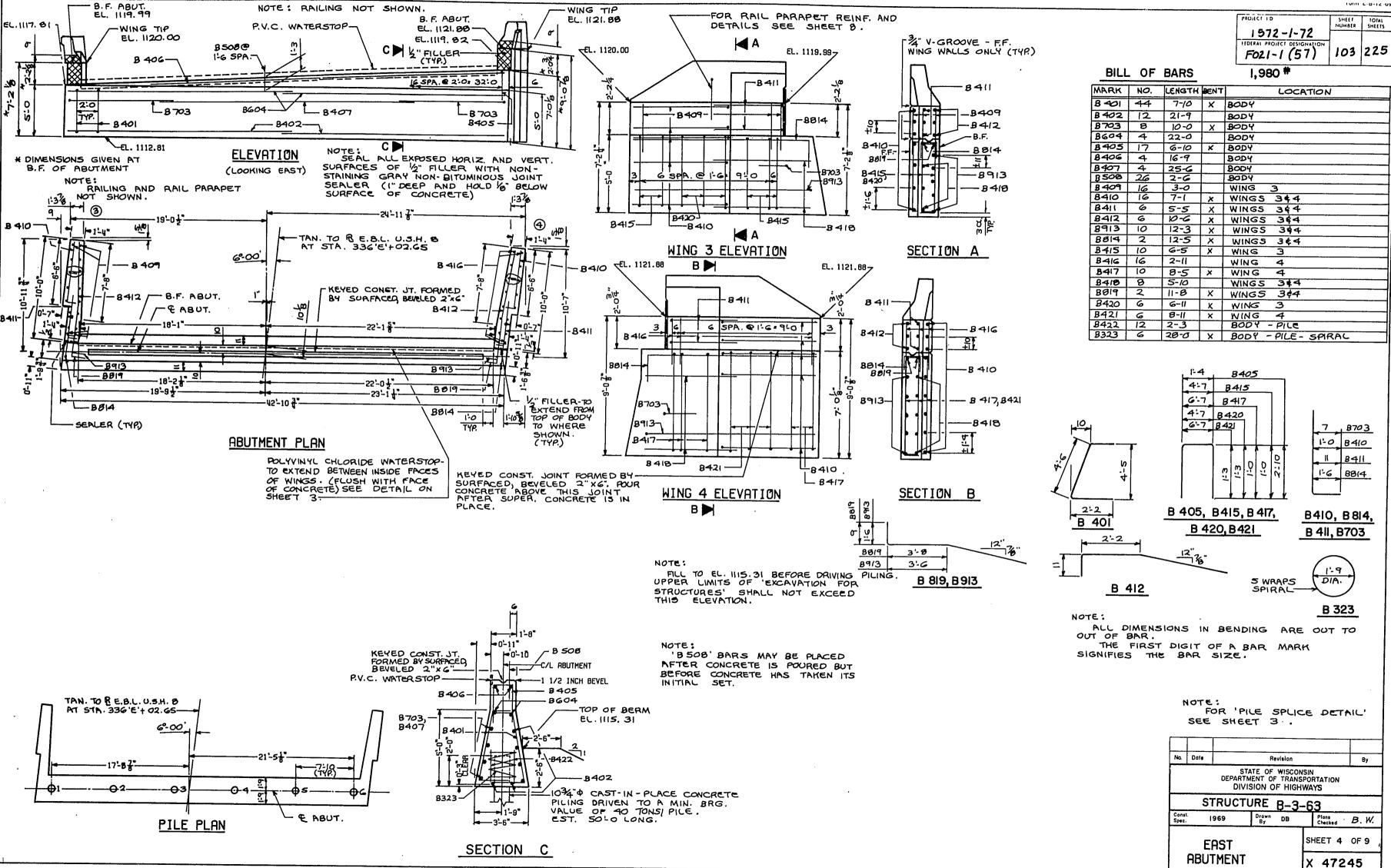


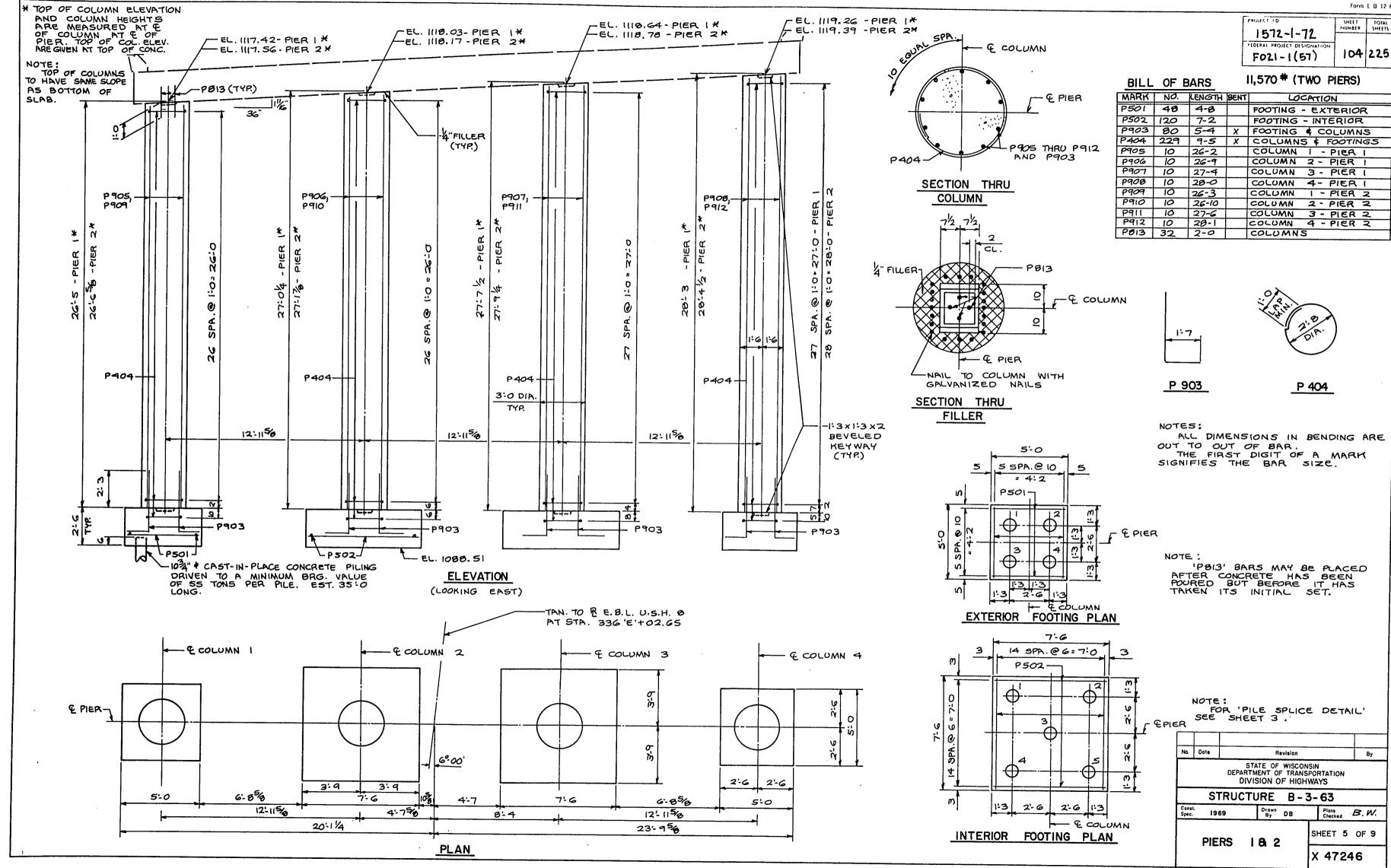




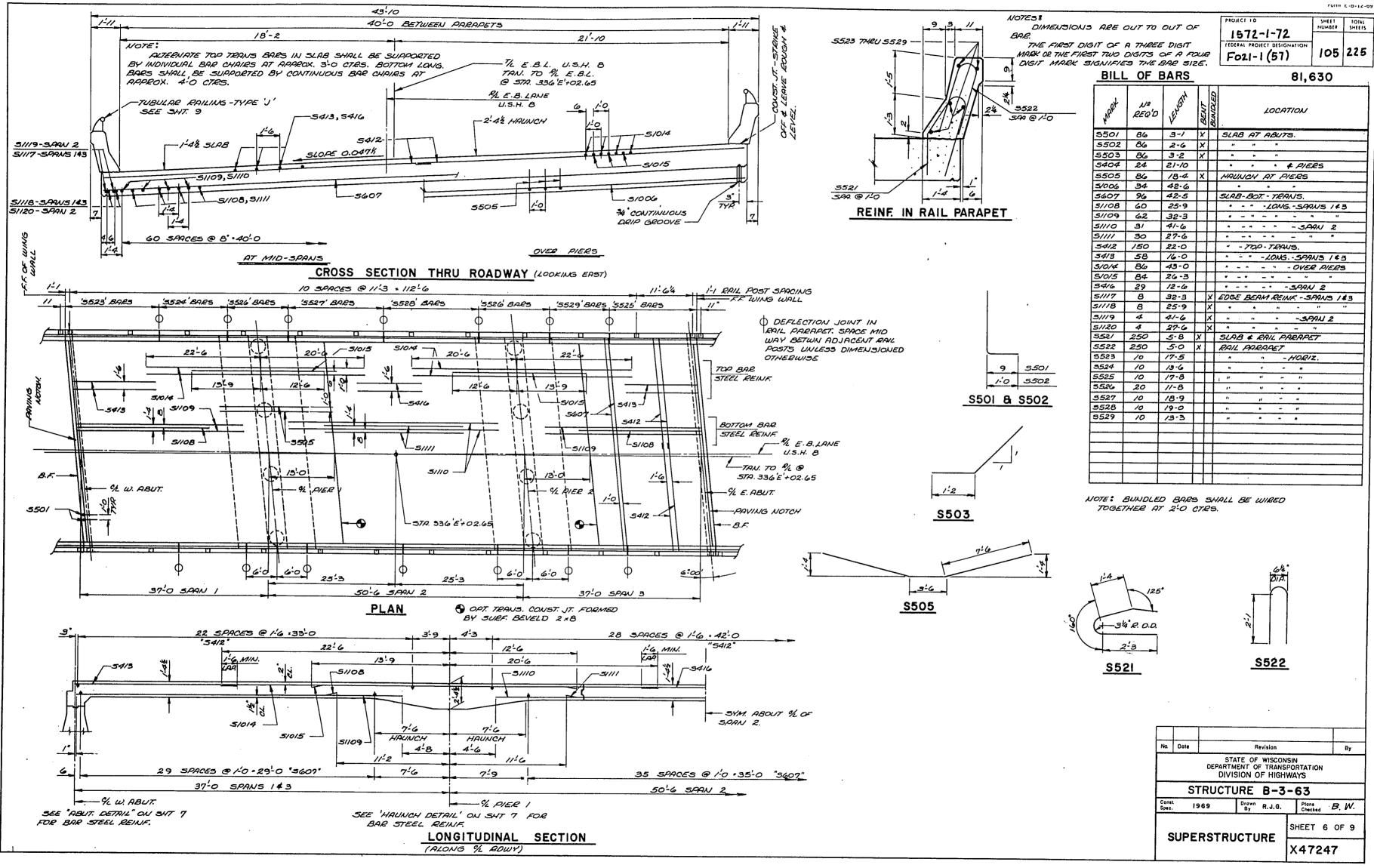
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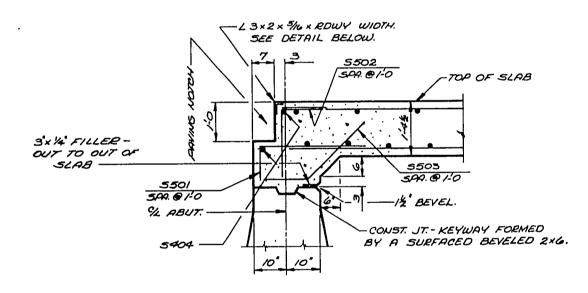




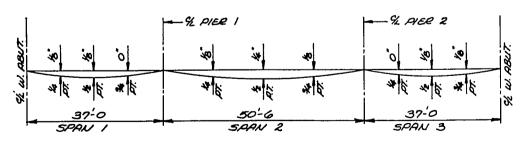




PROJECT ID	SHEET NUMBER	TOTAL SHEETS
1572-1-72		
FO21-1 (57)	106	225

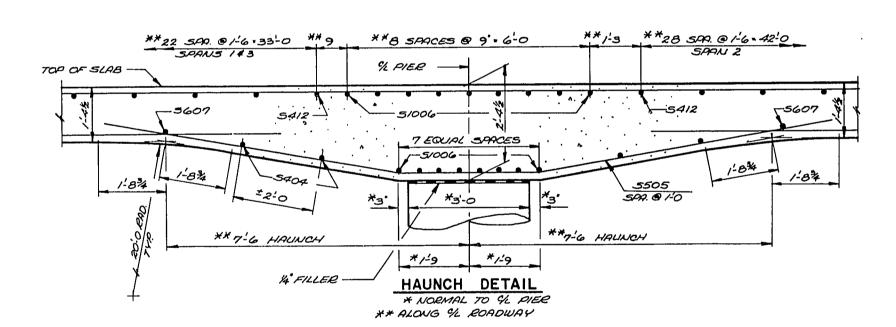


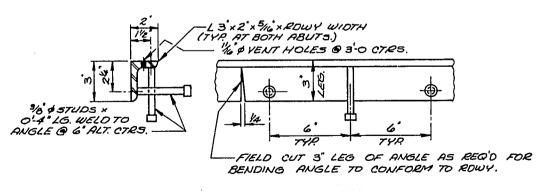
ABUTMENT DETAIL (NORMAL TO % ABUT.)



DEFLECTION DIAGRAM

ALL SLAB THICKNESS DIMENSIONS ARE MINIMUM. ANY
TOLEPANCES NECESSARY TO CORRECT CONSTRUCTION DISCREPANCIES
ARE TO BE PLUS (+). PARAPETS SHOWN ABOVE THE HORIZ. CONST. JT.
SHALL BE POURED AFTER THE FALSEWORK HAS BEEN RELEASED.
AROVIDE CAMBER OF 5% AT THE & PT OF SPANS I & 3 AND
5% AT THE & PT. OF SPAN 2 TO PROVIDE FOR DEAD LOAD DEFLECTION
AND FUTURE PLASTIC FLOW. THIS DOES NOT INCLUDE AN ALLOWANCE
FOR FORM SETTLEMENT.





PROTECTION ANGLE DETAIL

NOTE: ANGLE AND STUDS SHALL BE PAID FOR AS STRUCTURAL CARBON STEEL.

ONE FIELD SPLICE PERMITTED, IF USED, DETAILS SHALL BE SUBMITTED FOR APPROVAL.

			l
Na.	Date	Revision	Ву
NO.	Date	STATE OF WISCONSIN	Бу

DIVISION OF HIGHWAYS

STRUCTURE B-3-63

Drown R.J.G. Plans Checked B. W. 1969 SHEET 7 OF 9

SUPERSTRUCTURE

X47248

