



STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

Inspection Report for
B-36-062

CL VIEBAHN ST over IH 43
Jun 14,2017



Type	Prior	Frequency (mos)	Performed
Routine	09-08-15	24	X
Deck Evaluation	06-15-16	0	
SIA Review	09-08-15	48	

Latitude 44°03'59.30"N
Longitude 87°42'25.66"W

Owner STATE HIGHWAY DEPT
Maintainer STATE HIGHWAY DEPT

Time Log

Hours 0
Minutes 35

Team members

Cody Gorges

Name	Number	Signature	Date
Inspector Rades, Brady	3015	<i>Brady Rades</i> E-signed by Brady Rades(dotbpr)	06-15-17

BRIDGE INSPECTION REPORT
Wisconsin Department of Transportation
DT2007 2003 s.84.17 Wis. Stats.

page 2

Identification & Location

Feature On: CL VIEBAHN ST	Section Town Range: S35 T19N R23E	Structure Number: B-36-062
Feature Under: IH 43	County: MANITOWOC	
Location 0.4M W JCT CTH CL	Municipality: MANITOWOC RAPIDS	Structure Name:

Geometry

measurements in feet, except where noted

Approach Roadway Width: 34	Bridge Roadway Width: 34.0	Total Length: 260.3
Approach Pavement Width: 22	Deck Width: 37.0	Deck Area (sq ft): 9631

Traffic

	Lanes	ADT	ADT year	Traffic Pattern
On	2	450	2014	TWO WAY TRAFFIC
Under	4	20100	2014	TWO WAY TRAFFIC

Capacity

Load Rating

Inventory rating: HS22	Overburden depth (in): 0.0	Last rating date: 05-21-15	Controlling: INTERIOR DECK GIRDER Moment
Operating rating: HS37	Deck surface material: CONCRETE	Re-rate for capacity (Y/N):	Control location: 8.9 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): 0.0	Velocity (ft/sec): 0.0	Sufficiency #: 97.9

Span(s)

Span #	Material	Configuration	Depth (in)	Length (ft)	Main
1	CONT STEEL	DECK GIRDER		133.5	Y
2	CONT STEEL	DECK GIRDER		122.5	

Expansion joint(s)

Temperature:

Joint #	Location	Type	Last inspection date	File: Last measure (in)	New:65 New measure (in)
1	WEST ABUTMENT	STRIPSEAL			2.0
2	EAST ABUTMENT	STRIPSEAL			2.0

Clearance

Item	File Measurement (ft)	File Date	New Measurement (ft)
Highway Min Vertical Under Cardinal	16.6	26-Jul-2016	
Highway Min Vertical Under Non-Cardinal	19.83	26-Jul-2016	
Horizontal Under Cardinal	96.0		
Horizontal Under Non-Cardinal	97.6		
Highway Min Vertical On Cardinal			
Horizontal On Cardinal			

Special Components

Component	Year	Work Performed	Note
CORROSION PROTECTION - WEATHERING STEEL			

Construction History

Year	Work Performed	FOS id
2016	OVERLAY - CONCRETE	1224-21-71
9999	NOT BUILT	1224-71-21
1979	NEW STRUCTURE	1225-01-72

BRIDGE INSPECTION REPORT
Wisconsin Department of Transportation
DT2007 2003 s.84.17 Wis. Stats.

page 3

Structure No.: **B-36-062**

Maintenance Items

Item	Priority	Recommended by	Status	Status change
Deck - Seal Surface Cracks	MEDIUM	Rades, Brady (3015)	IDENTIFIED	06/15/17
MMA				

Elements

Chk	Element	Defect	Description	UOM	Total	Quantity in Condition State			
						1	2	3	4
X	12		Reinforced Concrete Deck-Coated Reinforcing	SF	9,631	8,738	893	0	0
		1080	Delamination - Spall - Patched Area CS-2: Spalls on underside (25sf Span 1, 15sf Span 2) CS-2: Solid full depth patches (3sf Span 1, 10sf Span 2)	SF		0	53	0	0
		1130	Cracking (RC) CS-2(W Span 400 SF & E Span 440 SF) Trans. w/eff.	SF		0	840	0	0
		8514	Concrete Overlay New 2016	SF	9,631	0	9,631	0	0
X	107		Steel Open Girder	LF	1,026	726	300	0	0
			Girder ends painted						
		1000	Corrosion CS-2(300') Minor corrosion over traveled lanes	LF		0	300	0	0
		8517	Weathering Steel	SF	16,830	11,930	4,900	0	0
		3430	Oxide Film Degradation - Weathering Steel CS-2(4900 SF) Minor corrosion over traveled lanes	SF		0	4,900	0	0
X	205		Reinforced Concrete Column	EA	3	3	0	0	0
X	215		Reinforced Concrete Abutment	LF	78	65	13	0	0
		1130	Cracking (RC) CS-2(W Abut 6" & E Abut 7") Vert. cracking	LF		0	13	0	0
X	234		Reinforced Concrete Cap	LF	35	25	10	0	0
		1130	Cracking (RC) CS-2(10') Vert. and light diagonal cracking near piers	LF		0	10	0	0
X	300		Strip Seal Expansion Joint	LF	78	78	0	0	0
			Replaced 2016						
		2310	Leakage, Seal Adhesion, Damage, Cracking	LF		0	0	0	0
X	311		Moveable Bearing	EA	8	0	8	0	0
			At East & West abutments						
		1000	Corrosion All have minor corrosion	EA		0	8	0	0

BRIDGE INSPECTION REPORT
Wisconsin Department of Transportation
DT2007 2003 s.84.17 Wis. Stats.

page 4

Structure No.: **B-36-062**

X	313		Fixed Bearing At Center Pier	EA	4	0	4	0	0
		1000	Corrosion All have minor corrosion	EA		0	4	0	0
X	331		Reinforced Concrete Bridge Rail	LF	606	601	5	0	0
		1130	Cracking (RC) CS-2(N Side 3' & S Side 2') Vert. cracking	LF		0	5	0	0
X	8400		Integral Wingwall	EA	4	4	0	0	0

Assessments

Chk	Element	Defect	Description	UOM	Total	Quantity in Condition State			
						1	2	3	4
X	9001		Drainage - Approach Inlets at all quadrants Reset 2016	EA	4	4	0	0	0
X	9030		Signs - Object Markers Tiger signs	EA	4	4	0	0	0
X	9043		Slope Protection- Crushed Aggregate with Bit. Both settling	EA	2	0	2	0	0
X	9167		Steel Diaphragm Minor corrosion	EA	39	0	39	0	0
X	9169		Lateral Bracing Minor corrosion	EA	24	0	24	0	0
X	9323		Approach Roadway - Asphalt New 2016 CS-2: Light asphalt ravelling at concrete header on east approach	EA	2	1	1	0	0

NBI Ratings

	File	New
Deck	7	7
Superstructure	7	7
Substructure	7	7
Culvert	N	N
Channel	N	N
Waterway	N	N

Structure Specific Notes

Sealed deck TK 290 [2000]

Inspection Specific Notes

8/4/16 Interim inspection for Construction Project Punchlist
--

BRIDGE INSPECTION REPORT
Wisconsin Department of Transportation
DT2007 2003 s.84.17 Wis. Stats.

page 5

Structure No.: **B-36-062**

Inspector Site-Specific Safety Considerations

Structure Inspection Procedures

Special Requirements

Chk	Hours	Cost	Comments
-----	-------	------	----------

Routine

Document Comment/Description

Typical under deck cracking and spalled areas (6/14/17)



Routine

Document Comment/Description

Typical Full depth Patch - Span 2 Shown (6/14/17)



This page intentionally left blank

**Wisconsin Dept. of Transportation
Structure Inventory Data**

Bridge B360062

Structure No.: B360062	Municipality: MANITOWOC RAPIDS	Section:	Town:	Range:	Maintenance Agency: STATE HIGHWAY DEPT	Owner: STATE HIGHWAY DEPT
Replaced Structure No.:	Historical Sig.: 5	Latitude: 440359. 3	Longitude: 874225.66		County: MANITOWOC (3 6)	District: 3

ABUTMENT DATA (CARDINAL)

1. Abutment Type: SEMI RETAINING
2. Pile Type: PILING - STEEL H
3. Pile Size: 254 OR 273 MM (10 OR 10-3/4")
4. Slope Protection Type: STAB CR STONE
5. Rdwy. Width: 34.0 ft
6. Deck Width: 37.0 ft
7. Wing Type:

ABUTMENT DATA (NON-CARDINAL)

1. Abutment Type: SEMI RETAINING
2. Pile Type: PILING - STEEL H
3. Pile Size: 254 OR 273 MM (10 OR 10-3/4")
4. Slope Protection Type: STAB CR STONE
5. Rdwy. Width: 34.0 ft
6. Deck Width: 37.0 ft
7. Wing Type:

GEOMETRIC DATA

1. Structure Length: 260.3 ft (Back to Back Abuts. Along Rdwy. Centerline)
2. No. Lanes On: 2
3. L. Sdk. Width On: 0.0 ft
4. R. Sdk. Width On: 0.0 ft
5. Median Type:
6. Median Width: 0.0 ft
7. Skew Angle: 18 Deg.
8. Direction Skew Angle: RIGHT
9. Horizontal Curve: 0.0 Radius, ft
10. Dir.-Hor. Curve:
11. Girder Spacing: 9.7 ft
12. Height: ft (Top Pier Footing to Top Deck or Streambed Elev. to Top Deck)
13. NBI Bridge Length Met: true

APPROACH DATA

1. Appr. Pavement Width: 22 ft
2. Rt. Shoulder Width: 6 ft
3. Lt. Shoulder Width: 6 ft
4. Total Width (Sum Above): 34 ft
5. Guardrail Termination: 0
6. Guardrail Adequacy: 0
7. Railing Attachment Type: 4 - 22 MM (7/8") BOLTS
8. Railing Design Year: 1965 AASHO
9. Left Outer Railing Type:
10. Right Outer Railing Type:
11. Left Inner Railing Type:
12. Right Inner Railing Type:

CAPACITY DATA

1. Design MS: HS20
2. Inventory MS: HS22
3. Operating MS: HS37
4. Max. Veh. Wt.: 220 kips
5. Load Rating Basis.: LFR
6. Load Governing Member: INTERIOR DECK GIRDER
7. Deck Composition: NONE
8a. Deck Membrane:
8b. Deck Surface: CONCRETE

HYDRAULIC DATA

1. Design Flood Frequency: 0 yrs
2. Design Discharge: 0 cu-ft/s
3. Max. Velocity: 0.0 ft/s
4. Drainage Area: 0.0 sq. ft
5. High Water Elev.: 0.0 ft
6. Scour Critical Code: N
7. Scour Calculated?: false

STRUCTURE SERVICE DATA

1. Hwy. On Detour Length: 3 ft
2. Type Service On: HIGHWAY
3. Type Service Under: HIGHWAY

APPRAISAL UPDATE

1. Load Capacity: 5-LEGAL LOAD STRESS NOT EXCEEDED
2. Geom. On: 6-COND EQUAL TO MIN CRITERIA
3. Geom. Under: 6-COND EQUAL TO MIN CRITERIA
4. Appr. Align: 8-COND EQUAL DESIRABLE CRITERIA
5. Horiz. Align:
6. Vert. Align:

PLANNING DATA

1. Functional Classification: LOCAL-URBAN (19)
2. ADT: 450
3. ADT-Year: 2014
4. Truck ADT %: 0
5. Future ADT: 275
6. Future ADT-Year: 2000

CONDITION DATA

Deck:	SuperStructure:	SubStructure:	Channel:
Culvert:	Waterway:		

Bridge B360062

CONSTRUCTION DATE

Project ID	Construction Contractor	Construction Designer	Construction Year	Plans Reel Number	Letting Date	Survey Received	Work Performed
1224-21-71	NORTHEAST ASPHALT, INC.	AYRES & ASSOCIATES	2016		12-Jan-2016		OVERLAY - CONCRETE
1224-71-21		AYRES & ASSOCIATES	9999			03-Apr-2014	NOT BUILT
1225-01-72	BLEICK CONST	BRIDGE SECTION	1979	C220		01-Jul-1975	NEW STRUCTURE

CLEARANCE DATA

Clearance Lane Number	Minimum Vertical	Minimum Vertical Date	Minimum Horizontal Distance	Right Minimum Lateral
2	16.6	12-Jun-2018	96.0	28.0
2	19.19	12-Jun-2018	97.6	28.0

Left Minimum Lateral	Railroad Right Minimum Lateral	Railroad Left Minimum Lateral	Railroad Vertical Distance	Railroad Horizontal Distance
39.8				
39.0				

ROUTE DATA

Number	Direction	Type	Structure Route On / Under	Structure Route Cardinal / NonCardinal
	E		O	C
043	N		U	C
043	S		U	N

Number	Structure Route Location	Highway Feature Name	Structure Route Local System	Highway Feature Designation
	0.4M W JCT CTH CL	CL VIEBAHN ST	CTH	MAINLINE
043	10.5M N JCT CTH XX	IH 43	IH	MAINLINE
043	0.5M S JCT USH 151	IH 43	IH	MAINLINE

Number	Structure Route Primary Flag	Designed National Network Flag	Structure Defense Highway Designation	Highway On Inventory Route
	Y	N	0	NON
043	Y	Y	1	NHI
043	N	Y	1	NHI

PIER DATA

Number	Pier Type	Piling Type	Piling Size	Pier Skew Angle	Direction of Skew
1	ROUND COL BENT	PILING - STEEL H	254 OR 273 MM (10 OR 10-3/4")		

SPAN DATA

Number	Type	Length	Configuration	Material	Girder or Truss Height	Girder or Truss Spacing
1		133.5	DECK GIRDER	CONT STEEL		9.7
2		122.5	DECK GIRDER	CONT STEEL		9.7

EXPANSIONJOINT DATA

Number	Location	Type	Inactive Date
1	WEST ABUTMENT	STRIP SEAL	
2	EAST ABUTMENT	STRIP SEAL	

PROJECT NO.	1225-1-72	SHEET NUMBER	7	TOTAL SHEETS	
FEDERAL PROJECT DESIGNATION					

TRAFFIC VOLUME	
VIEBAHN STREET	
A.D.T. 300 (1954)	
A.D.S. 50 P.M.	
INTERSTATE 43	
A.D.T. 13,100 (1954)	
A.D.S. 70 P.M.	

CURVE DATA

INTERSTATE 43	INTERSTATE 43
SOUTHBOUND LANE	NORTHBOUND LANE
P.I. STA 233.5 + 35.00	P.I. STA 233.5 + 37.72
$\Delta = 35^{\circ} 23' 00''$	$\Delta = 35^{\circ} 23' 00''$
$D = 1^{\circ} 30' 00''$	$D = 1^{\circ} 30' 00''$
$T = 1218.42'$	$T = 1218.42'$
$L = 2358.88'$	$L = 2358.88'$
$R = 3819.74'$	$R = 3819.74'$
$SE = 0.053\%$	$SE = 0.053\%$
$RA = 200.00'$	$RA = 200.00'$

FOUNDATION DATA

PLACE ABUTMENTS ON HP 10x42 STEEL PILING DRIVEN TO 53 TONS/PILE MIN. BRG.
EST. LENGTH 50'-0"
PLACE PIER ON HP 10x42 STEEL PILING DRIVEN TO 53 TONS/PILE MIN. BRG.
EST. LENGTH 35'-0"

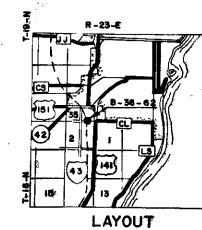
LIST OF DRAWINGS

1. GENERAL PLAN	X59418
2. NOTES AND QUANTITIES	X59419
3. SUBSURFACE EXPLORATION	X59420
4. WEST & EAST ABUTMENT	X59421
5. WEST & EAST ABUTMENT	X59422
6. ABUTMENT BILL OF BARS	X59423
7. PIER	X59424
8. BEARING DETAILS	X59425
9. GIRDER DETAILS	X59426
10. SUPERSTRUCTURE	X59427
11. BILL OF BARS AND DETAILS	X59428
12. GRADES AND DIAGRAM	X59429
13. STRIP SEAL EXPANSION DEVICE AT ABUTMENTS	X59430
14. SLOPED FACE PARAPET	X59431

DESIGN DATA

LIVE LOAD: DESIGN RATING; HS 20
INVENTORY RATING; HS 24
OPERATIONAL RATING; HS 39
STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 POUNDS PER SQUARE FOOT.
ALLOWABLE DESIGN STRESSES:
CONCRETE MASONRY SLAB $F_c = 4000$ P.S.I.
ALL OTHER $F_c = 3500$ P.S.I.
BAR STEEL REINFORCEMENT, GRADE 60 $F_y = 60,000$ P.S.I.
STRUCTURAL LOW ALLOY STEEL (A.S.T.M. A588 UNPAINTED) 70 AND INCLUDING 4" THICK $F_s = 27,000$ P.S.I.

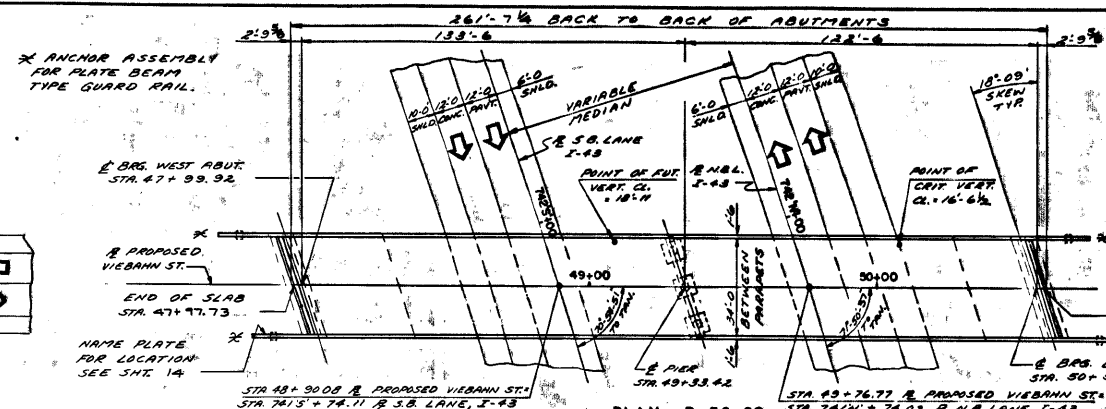
AS BUILT PLAN
DATE 9-81 BY W.J.K.



LAYOUT

No.	Date	Revision	By
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS			
STRUCTURE B-36-62			
PROPOSED VIEBAHN ST. OVER INTERSTATE 43		Date	
County	MANITOWOC	City	TH. MANITOWOC RAPIDS
Design Spec.	AASHTO 1973	Load	HS20
Design	CRH	Check	MSR
Drawn	DB	Planned	J.C.V.
Approved	W.A. Kline	Date	4-10-78
Chief Bridge Engineer			
GENERAL PLAN		SHEET 1 OF 14	
		X 59418	

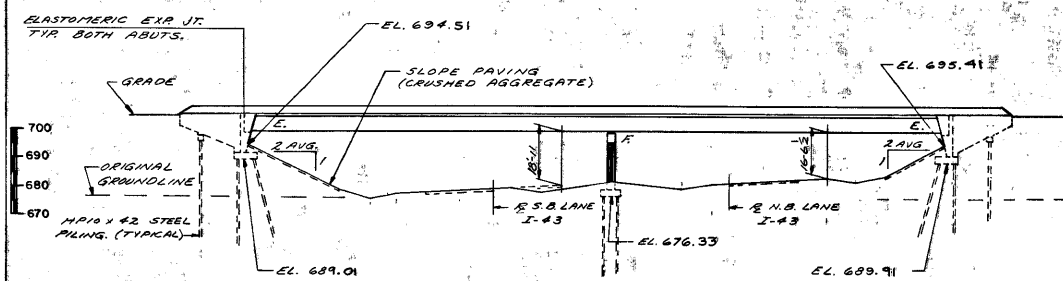
I.D. 1225-01-00 F



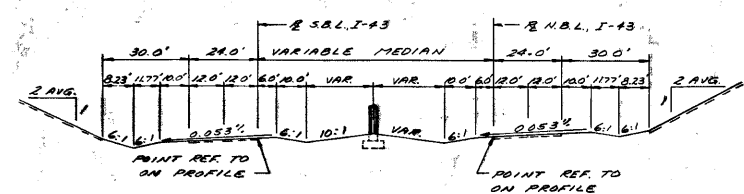
PLAN - B-36-62
2 SPAN - STEEL GIRDERS

BENCH MARK

NO.	STATION	DESCRIPTION	ELEV.
279	738+00	R.R. SPIKE 30" DIA - 80' LT.	675.44



ELEVATION
NORMAL TO INTERSTATE 43



TYPICAL SECTION THRU INTERSTATE 43

PROJECT NO.	1225-1-72	SHEET NUMBER	71	TOTAL SHEETS	
FEDERAL PROJECT DESIGNATION					

GENERAL NOTES

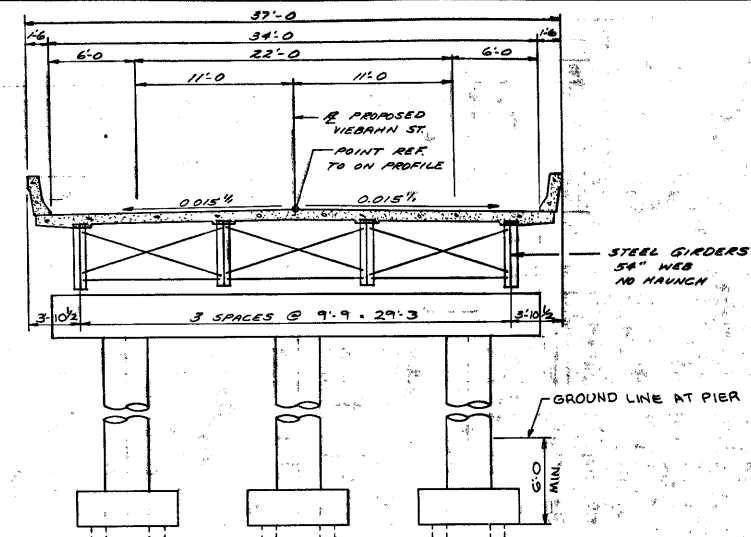
DRAWINGS SHALL NOT BE SCALED.
BAR STEEL REINFORCEMENT SHALL BE IMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

ALL FIELD CONNECTIONS SHALL BE MADE WITH $\frac{3}{4}$ " FRICTION TYPE HIGH TENSILE STRENGTH BOLTS UNLESS SHOWN OR NOTED OTHERWISE.

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH SLOPE PAVING TO THE EXTENT SHOWN ON SHEET 1 & IN THE ABUTMENT DETAILS.

THE UPPER LIMITS OF EXCAVATION FOR STRUCTURES FOR PIER SHALL BE THE FINISHED GRADED SECTION.

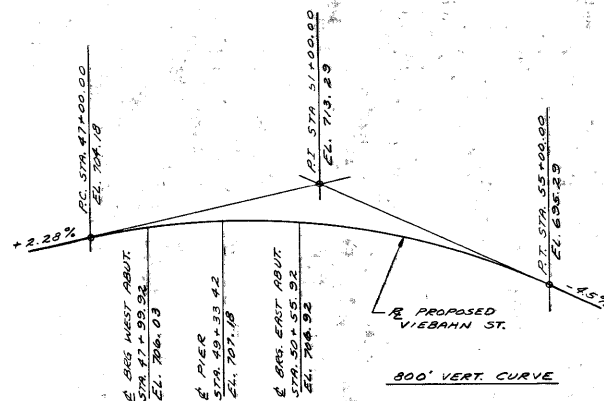
FOR LIMITS OF EXCAVATION FOR ABUTS. & GRANULAR BACKFILL SEE SHEET 4. THE STRUCTURAL STEEL SHALL NOT BE PAINTED.



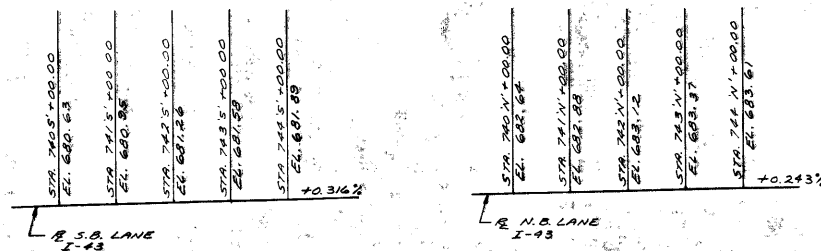
CROSS SECTION THRU ROADWAY LOOKING EAST

TOTAL ESTIMATED QUANTITIES

BID ITEMS	UNIT	SUPER	W. ABUT.	PIER	E. ABUT.	TOTAL
EXCAVATION FOR STRUCTURES	L.S.					1
CONCRETE MASONRY	C.Y.	293.9	101.9	42.3	101.9	540.0
HIGH STRENGTH BAR STEEL REINFORCEMENT	L.B.	68,670	5,730	6,860	5,730	86,990
STRUCTURAL CARBON STEEL	L.B.	1,430				1,430
STRUCTURAL LOW ALLOY STEEL	L.B.	243,700				243,700
LUBRICATED BRONZE PLATE	L.B.	157				157
BEARING PADS	S.F.	25				25
STEEL PILING, DELIVERED & DRIVEN, HP 10 INCH x 42 POUND	L.F.		600	630	600	1,830
SLOPE PAVING, CRUSHED AGGREGATE	S.Y.		153		103	256
EXPANSION DEVICE	L.S.					1
NON-BID ITEMS						
1/8" ALUMINUM OR ZINC PLATE	S.F.	50				50
POLYVINYL CHLORIDE WATERSTOP	L.F.		36		36	72



PROFILE GRADE LINE VIEBAHN STREET



PROFILE GRADE LINES INTERSTATE 43

No.	Date	Revision	By
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS			
STRUCTURE B-36-62			
Cont. Spec. 1975	Drawn By	DB	Checked SCK
NOTES AND QUANTITIES		SHEET 2 OF 14 X 59419	

PROJECT NO.	1225-1-7E
FEDERAL PROJECT DESIGNATION	7.2

ABBREVIATIONS

F — Fine	M — Medium	C — Coarse
Wa — Weathered	So — Sound	

MATERIAL SYMBOLS

Topsoil	Silt	Sandstone
Sand	Peat	Limestone
Gravel	Clay	Igneous Rock

LEGEND OF PROBING

95/5-95 Blows for 6" Penetration
Probing taken with a 350# wt. Falling 18" on a 2" O. D. Point.

Probing No. Sta. Elev. 7 Average Blows Per Foot Refusal 95/6

LEGEND OF BORING

Unconfined Strength 7.7
Blows Per Ft. Using 140# Wt. Falling 30"
Wash Sample
Shelby Tube S. T.
Ground Water Elevation
No Ground Water Observed Above This Elevation

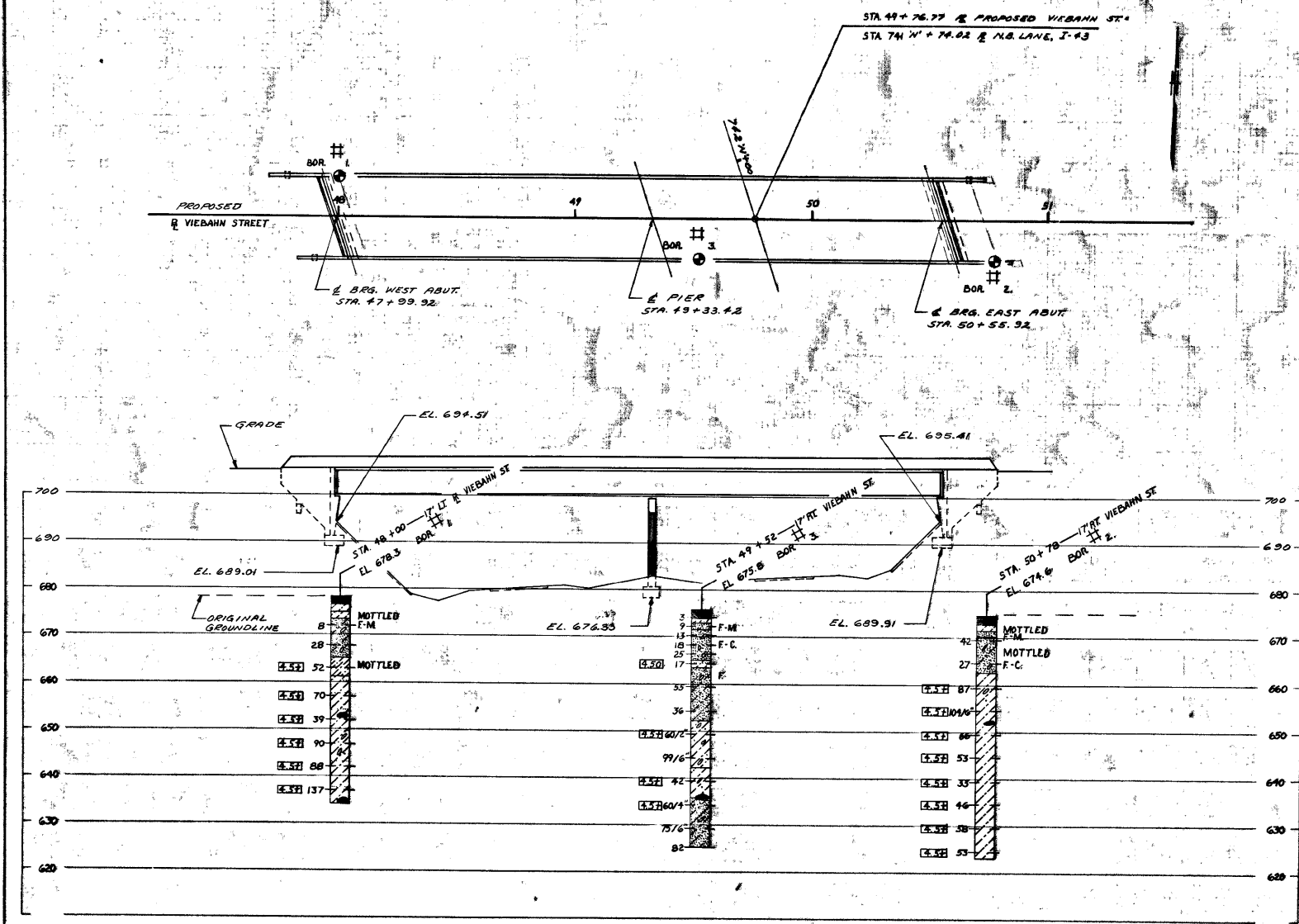
Boring No. Sta. Elev. Sandy Gravel Boulders of Cobble Sand Silty Clay So. Limestone

Unless otherwise specified, the blows per foot at the locations indicated are based on driving a 2" O. D. x 1.4" I. D. split spoon sampler with a 140# hammer having a free fall of 30". The blow count is taken in undisturbed soil immediately below a cased or open hole eliminating side friction on the drive pipe.

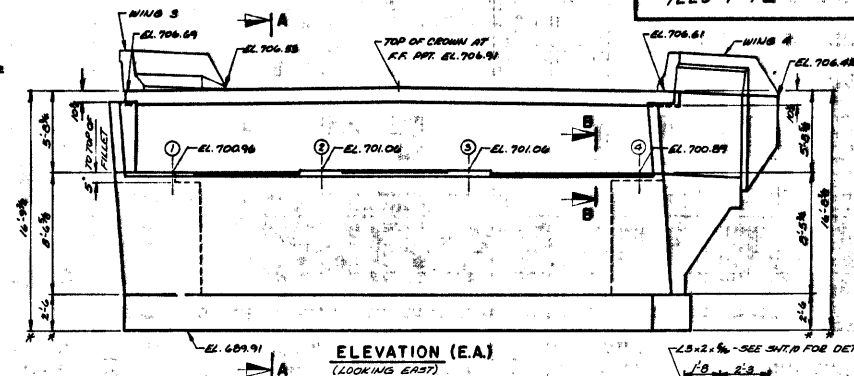
SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

To obtain relative data concerning the character of material in and upon which the foundation might be built, borings and/or soundings were made at points approximately as indicated on this drawing. The data presented herein represents the findings of the subsurface explorations made. However, because the depths investigated are limited and the area of the borings and/or soundings is very small in relation to the entire area, the Division of Highways does not warrant conditions below the depths investigated or that the classification of material encountered in these investigations is necessarily typical of the entire site.

No.	Date	Revision	By
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS			
STRUCTURE B-36-62			
Drawn By	1978	Drawn By	DCN #1
SUBSURFACE EXPLORATION		Checked	J.C.W.
SHEET 3 OF 14		X59420	

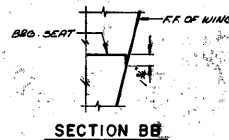


7.3

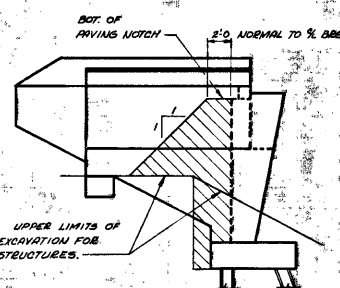


ELEVATION (W.A.)
(LOOKING WEST)

ELEVATION (E.A.)
(LOOKING EAST)

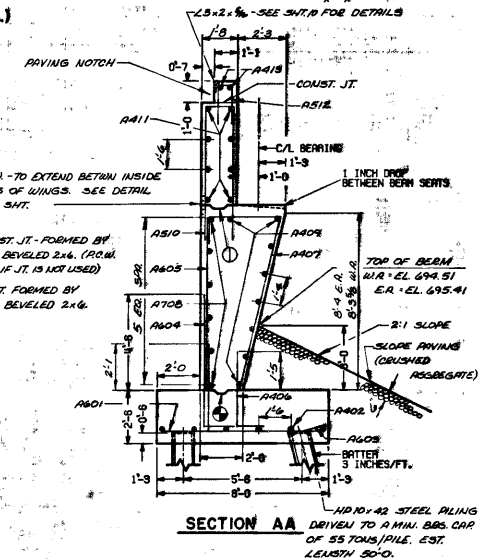


SECTION BB



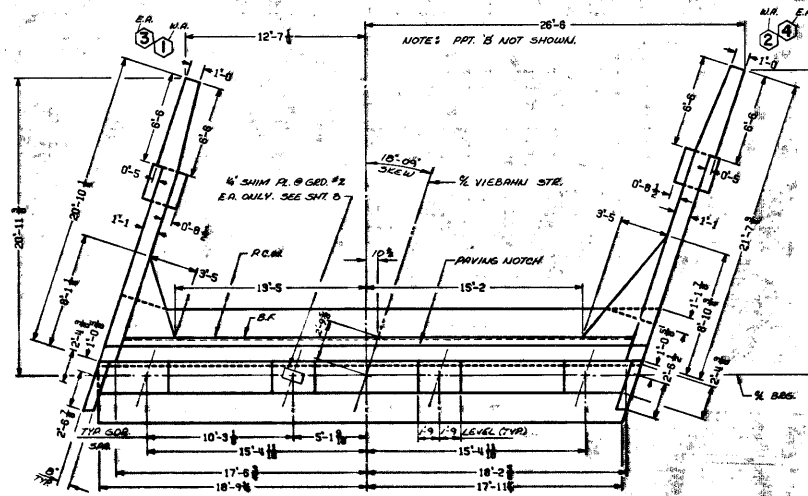
UPPER LIMIT
EXCAVATION FOR
STRUCTURES.

P.C.W. - TO EXTEND BETWEEN
FACES OF WINGS. SEE L
THIS SHT. _____



SECTION AA

HP 10 x 42 STEEL PILING
DRIVEN TO A MIN. BBS. CAP.
OF 55 TONS/PILE. EST.
LENGTH 50'-0.

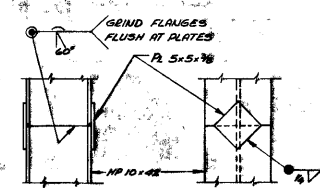


ABUTMENT PLAN

PAY LIMITS FOR EXCAVATION FOR STRUCTURES & GRANULAR BACKFILL

 GRANULAR BACKFILL BETWEEN INSIDE FACE OF WING WALLS

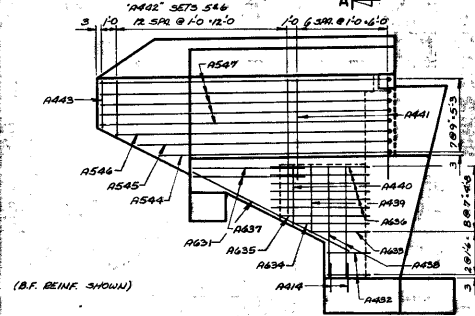
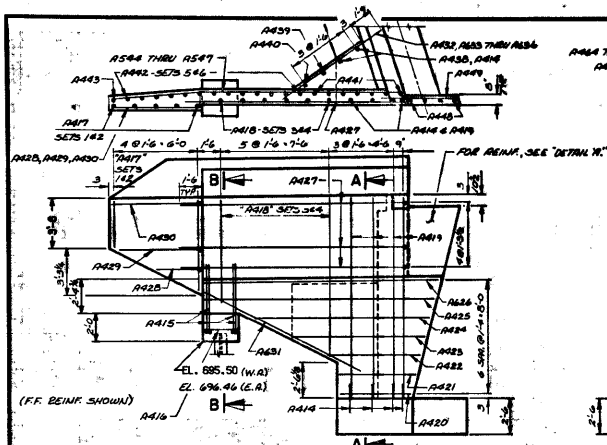
NOTE: GRANULAR BACKFILL SHALL BE PLACED BEFORE SUPER CONC. IS POURED.



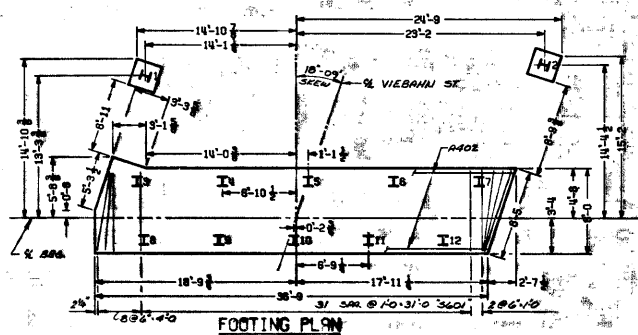
PILE SPLICE DETAIL

POLYVINYL
CHLORIDE
WATERSTOP

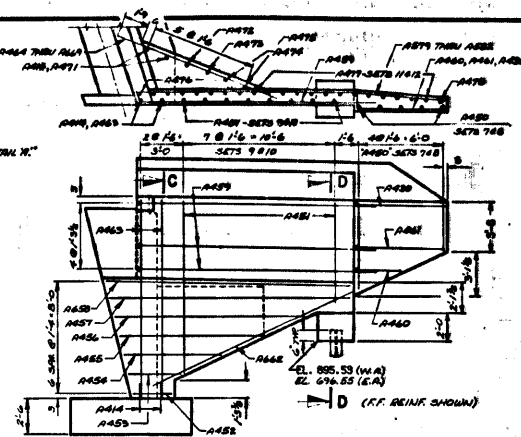
No.	Date	Revision	By
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS			
STRUCTURE B-36-62			
Const. 1978	Drawn By	R. J. G.	Press Checked J.C.W.
WEST AND EAST ABUTMENTS		SHEET 4 OF 14 X5942f	



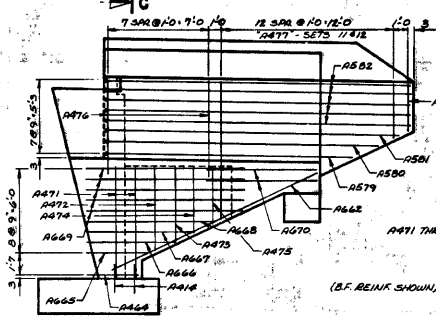
WINGS 1 & 3



FOOTING PLAN



WINGS 2 & 4



1225-1-72

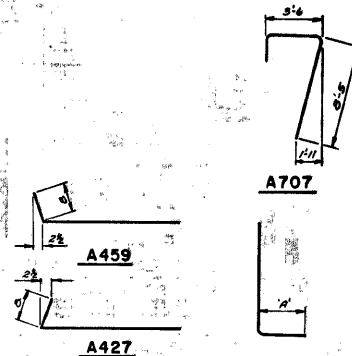
7.5

BILL OF BARS (2 ABUTS)

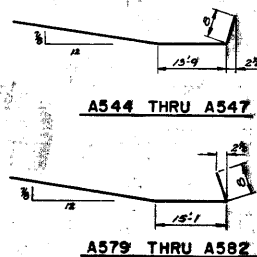
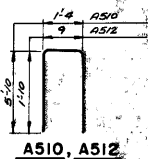
10,540*

MARK	NO	REQ'D	LENGTH	LOCATION
A401	90	7-8		FTB
A402	24	19-9		
A403	62	9-8	X	6 BODY - BK
A404	40	7-3	X	
A405	65	5-3		BODY - BK - VERT
A406	76	4-0	X	FTB - BODY - FK
A407	76	13-0	X	BODY - FK - VERT
A408	12	33-1		6 - BK - HORIZ.
A409	32	19-3		6 - FK - "
A410	72	12-5	X	6 - ART - VERT
A411	32	18-9		6 - " - HORIZ.
A412	72	4-2	X	PAVING BLOCK
A413	20	7-0		DO NOT LAP
A414	20	2-0		FTB - VERT
A415	10	6-5		WINGS - FLE FTB
A416	8	2-2		"
A417	5	9-5	X	WINGS 143 - VERT - FK - SETS 142
A418	6	18-0	X	" " " " " " 344
A419	8	14-0		" " " " " "
A420	2	4-9		" " " " " " - HORIZ. - FK
A421	2	5-2		" " " " " "
A422	2	6-1		" " " " " "
A423	2	9-0		" " " " " "
A424	2	11-11		" " " " " "
A425	2	15-10		" " " " " "
A426	2	16-0		" " " " " "
A427	10	16-2	X	" " " " " "
A428	2	2-7	X	" " " " " "
A429	2	5-1	X	" " " " " "
A430	12	6-11	X	" 12344 " " " "
A431	4	12-6		" 143 - FK & BK
A432	4	5-6		" " " " " " - HORIZ. - FILLET
A433	2	5-0		" " " " " "
A434	2	6-5		" " " " " "
A435	2	7-9		" " " " " "
A436	12	8-10		" " " " " "
A437	4	7-10		" " " " " " - BK
A438	4	7-10		" " " " " " - VERT - FILLET
A439	2	4-6		" " " " " "
A440	2	3-10		" " " " " "
A441	10	7-10		" " " " " " - BK
A442	13	13-7	X	" " " " " " - SETS 546
A443	2	3-2		" " " " " "
A444	2	16-8	X	" " " " " " - HORIZ. - "
A445	2	18-0	X	" " " " " "
A446	2	19-4	X	" " " " " "
A447	10	20-9	X	" " " " " "
A448	16	5-10		WINGS 1,2,3,44 - VERT
A449	20	4-4		" " " " " " - HORIZ.
A450	5	9-4	X	WINGS 244 - VERT - FK - SETS 748
A451	8	18-10	X	" " " " " " " " 9410
A452	2	2-9		" " " " " " - HORIZ. - FK
A453	2	3-4		" " " " " "
A454	2	6-4		" " " " " "
A455	2	9-5		" " " " " "
A456	2	12-6		" " " " " "
A457	2	16-7		" " " " " "
A458	2	16-10		" " " " " "
A459	10	17-2	X	" " " " " "
A460	2	2-7	X	" " " " " "
A461	2	5-1	X	" " " " " "
A462	4	15-9		" " " " " " - FK & BK
A463	4	13-11		" " " " " " - VERT
A464	2	3-10		" " " " " " - HORIZ. - FILLET
A465	2	5-0		" " " " " "

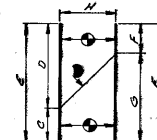
MARK	NO	REQ'D	LENGTH	LOCATION
A466	2	6-7		WINGS 244 - HORIZ. - FILLET
A467	2	8-3		" " " " " "
A468	2	9-11		" " " " " "
A469	10	11-9		" " " " " "
A470	4	7-10		" " " " " " - BK
A471	4	7-10		" " " " " " - VERT - FILLET
A472	2	5-11		" " " " " "
A473	2	5-5		" " " " " "
A474	2	4-6		" " " " " "
A475	2	3-10		" " " " " "
A476	16	7-0		" " " " " " - BK
A477	13	13-4	X	" " " " " " - SETS 11412
A478	2	3-2		" " " " " "
A479	2	17-10	X	" " " " " " - HORIZ. - "
A480	2	19-4	X	" " " " " "
A481	2	20-10	X	" " " " " "
A482	10	22-1	X	" " " " " "



MARK	NO
A403	5-0
A404	1-0
A406	8
A412	1-4
A418	10
A429	10
A430	10
A440	10
A461	10



● MARK & CUT ALL BARS ALONG THIS LINE. MAKE ALL CUTS NORMAL TO BAR AXIS.
 ● BUNDLE & MARK CUT BARS WITH BAR & SET NUMBERS. 'N' IS THE NUMBER OF BARS IN CUTTING DIAGRAM BEFORE CUTTING.



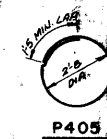
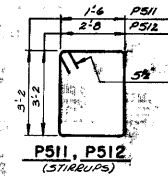
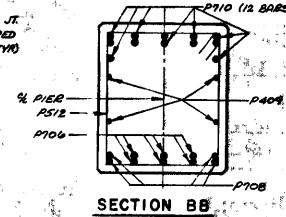
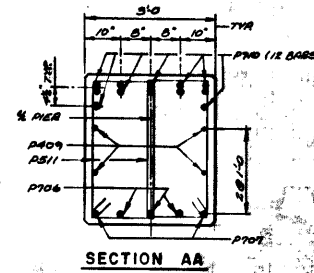
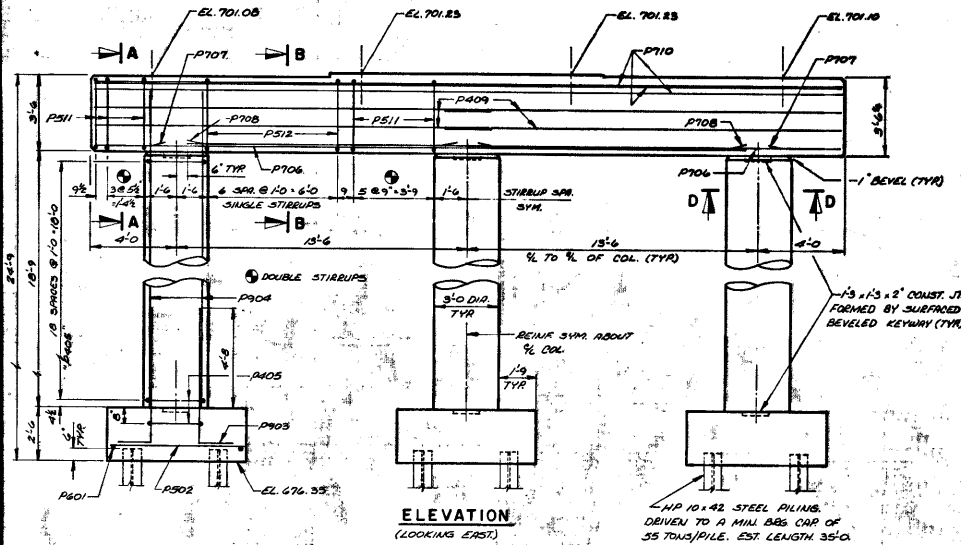
CUTTING DIAGRAM

MARK	C	D	E	F	G	H	SETS REQ'D
A417	SET 1	3-2		9-5	3-2	6-3	5
	2		6-3				1
A418	3	7-1		10-11	7-1		4
	4		10-11				1
A442	5	3-5		13-7	3-5	9-11	13
	6		9-11				1
A450	7	3-2		9-4	3-2	6-2	5
	8		6-2				1
A451	9	6-10		10-10	6-10	12-0	8
	10		12-0				1
A477	11	3-8		9-8	3-8		13
	12		9-8				1

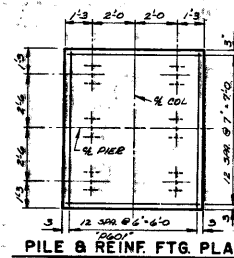
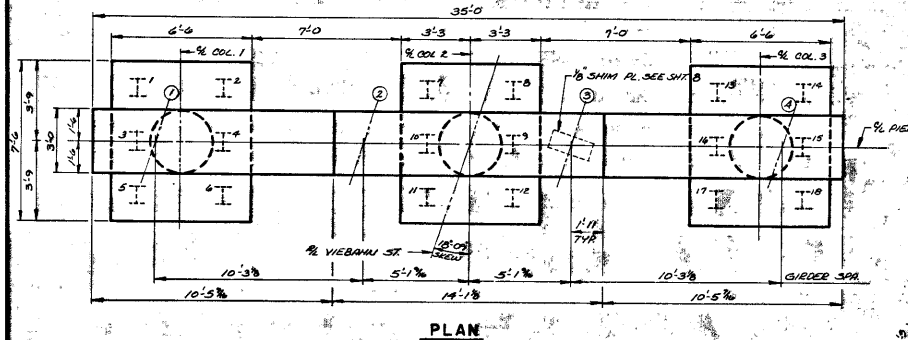
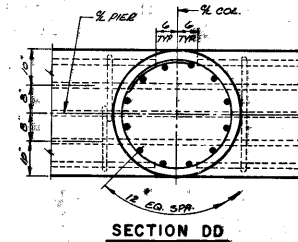
No.	Date	Revision	By
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS			
STRUCTURE B-36-62			
Comp. Spec.	1975	Drawn By	R. J. G.
Checked		Files Checked	J. C. K.
ABUTMENT BILL OF BARS			SHEET 6 OF 14 X59423

BILL OF BARS 6,860#

MARK	MT	LENGTH	REMARKS	LOCATION
P401	39	7-2		FTGS.
P501	39	6-2		
P503	36	2-11	X	4 COLS.
P504	36	21-6		COLS.
P405	60	9-10	X	100% S.
P706	6	30-4	X	EXP. BOT.
P707	4	3-6		
P708	8	12-6	X	
P409	8	18-6		
P710	12	34-8	X	- TOP
P511	44	10-1	X	- STIRRUP
P512	14	12-5	X	



NOTES:
ALL DIMENSIONS ARE OUT TO OUT OF BAR.
THE FIRST DIGIT OF A THREE DIGIT BAR MARK DESIGNATES THE BAR SIZE.
BUDDLED BARS SHALL BE WIRED TOGETHER AT 2'-0" INTERVALS.



No.	Date	Revision	By
1	1975	1	R.J.B.
2		2	J.C.K.

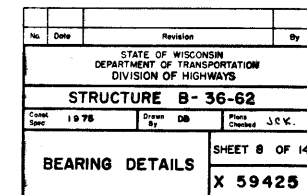
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

STRUCTURE B-36-62

PIER

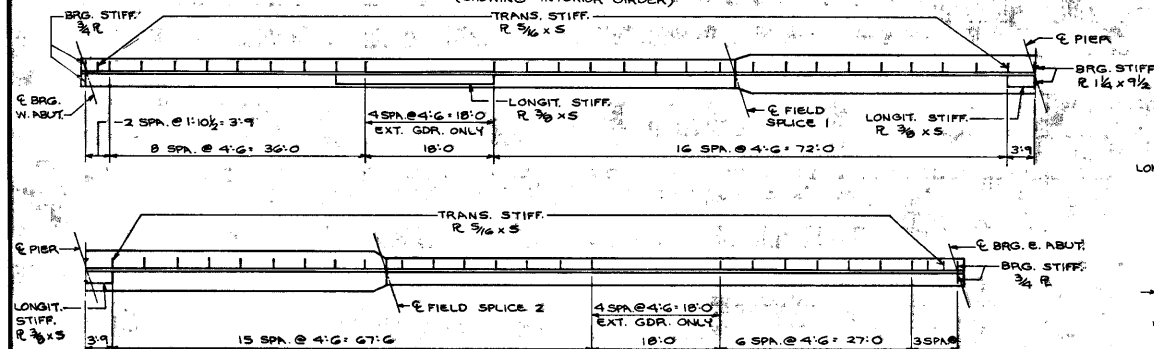
SHEET 7 OF 14
X59424

B-36-62



The image contains two hand-drawn structural drawings of a bridge deck. The top drawing is a plan view showing the deck's length of 132'-0" and various stiffeners and bracing. Key components labeled include: SHEAR STUD SPAC., LONGIT. STIFF. R 3/8 x 5, BRG. STIFF. 2 x 3/4 x 1/2, E PIER, E FIELD SPICE 1, E FIELD SPICE 2, and BRG. E. ABUT. The drawings include numerous dimensions for spacing and lengths, such as 13'-0", 27'-0", 15'-0", 132'-0", and 80'-0".

GIRDER ELEVATION:
(SHOWING INTERIOR GIRDER)



WEB STIFFENER SPACING (SHOWING INTERIOR GIRDER)

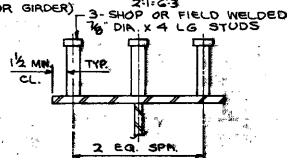
NOTES:

AT INTERIOR GIRDERS PLACE INTERMEDIATE TRANS. STIFF. ON ONE SIDE OF GIRDER & LONGIT. STIFF. ON THE OPPOSITE SIDE.

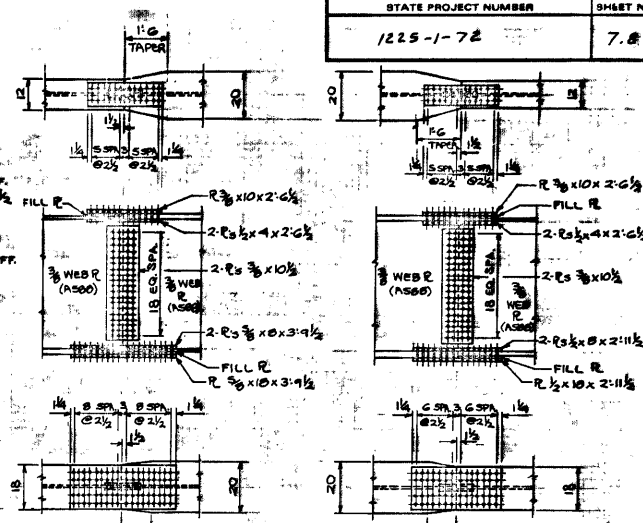
EXTERIOR GIRDER IDENTICAL EXCEPT TRANSVERSE AND LONGIT. STIFFENERS SHALL BE PLACED ON INTERIOR FACE OF GIRDER.

OPTIONAL WELDED SHOP SPLICES MAY BE USED FOR ALL FLANGE AND WEB PLATES OVER 60:0 LONG. IF USED, THE LOCATION OF THE SPLICE SHALL BE SHOWN ON SHOP DRAWINGS AND WILL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.

IF TRANS. STIFF. R ($\frac{3}{8} \times 5$) FALLS WITHIN 6 OF A CROSS BRACING CONN. R IT MAY BE USED AS THE CONN. R (ALL CONN. R 'S $\frac{3}{8} \times 5\frac{1}{2}$)



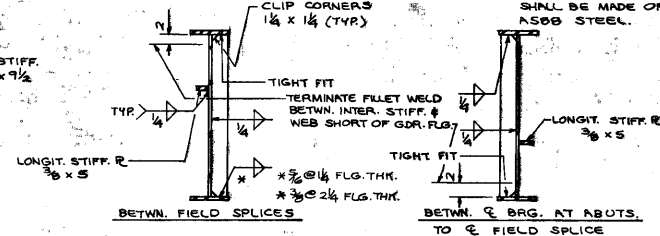
(STRUCTURAL CARBON STEEL)
SHEAR STUD DETAIL-



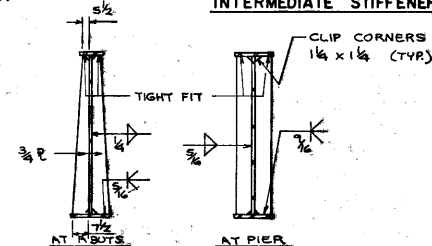
FIELD SPLICE

FIELD ^{TAPER} SPLICE 2

NOTES:
USE FILL PLATES
AS REQD $\frac{1}{8}$ MIN. THICK
ALL SPLICE P's.
SHALL BE MADE OF
A500 STEEL.



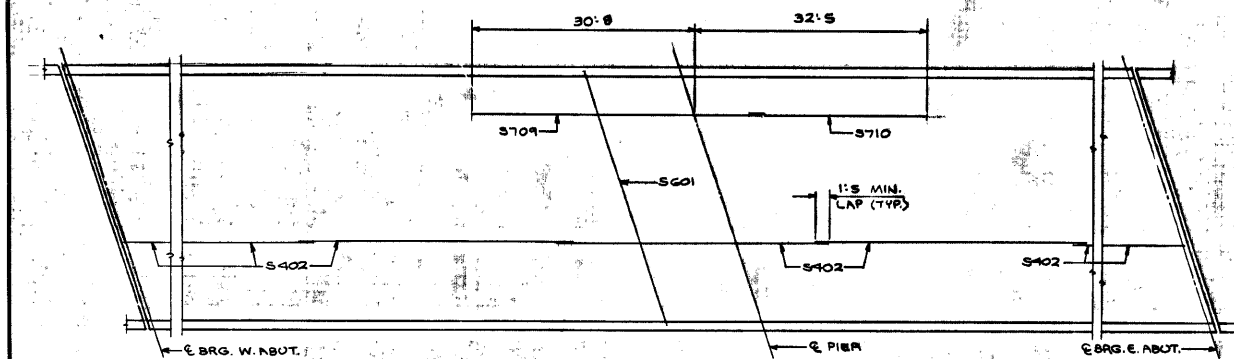
INTERMEDIATE STIFFENER WELD DETAIL



BEARING STIFFENER WELD DETAIL

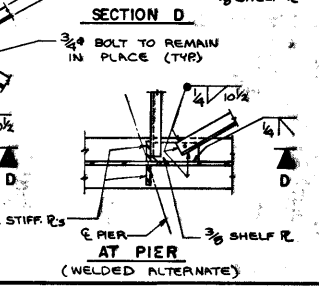
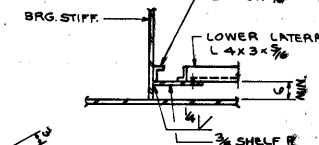
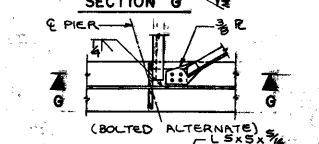
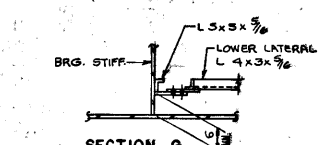
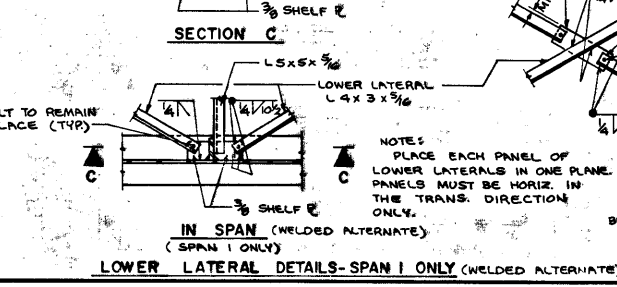
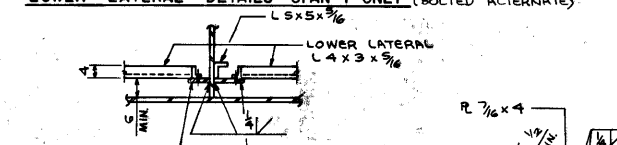
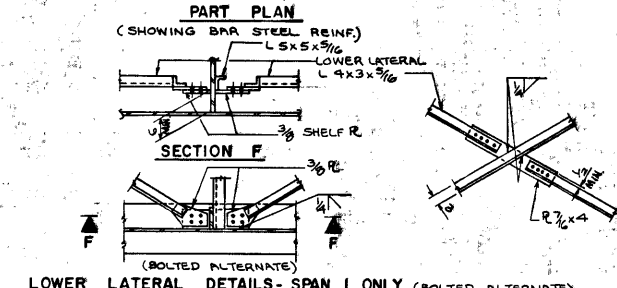
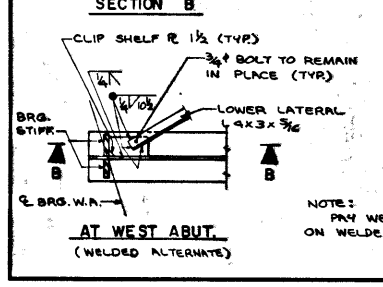
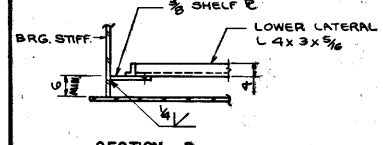
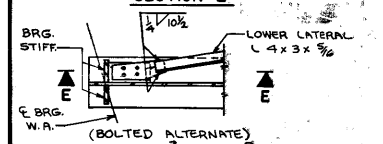
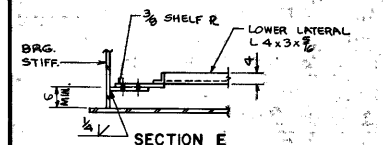
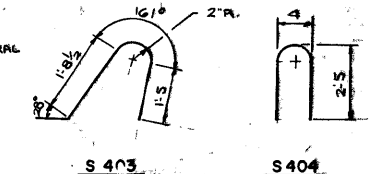
No.	Date	Revision		By
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS				
STRUCTURE B-36-62				
Const. Date	1975	Drawn By	DB	Plots Checked J.C.K.
GIRDER DETAILS			SHEET 9 OF 14 X 59426	

STATE PROJECT NUMBER	SHEET NO.
1225-1-72	7.10



BILL OF BARS				68,670*
MARK	NO.	LENGTH	BUT	LOCATION
S601	773	37'-8"		SLAB TRANS. TOP & BOT.
S402	738	21'-11"		" " LONGIT. " "
S403	688	4'-3"	X	" " 4 PPT. 5'
S404	688	5'-0"	X	DPT. 5'
S405	8	21'-10"		" " " "
S406	40	22'-1"		" " " "
S407	40	20'-3"		" " " "
S408	8	20'-0"		" " " "
S709	34	40'-0"		SLAB LONGIT. TOP OVER PIER
S710	34	23'-11"		" " " " SPAN 2

NOTE: THE FIRST DIGIT OF A BAR MARK SIGNIFIES THE BAR SIZE.



NOTE: PWT WEIGHT BASED ON WELDED ALTERNATE.

NOTE: PLACE EACH PANEL OF LOWER LATERALS IN ONE PLANE. PANELS MUST BE HORIZ. IN THE TRANS. DIRECTION ONLY.

No.	Date	Revision	By
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS			
STRUCTURE B-36-62			
Const. Spec. 1978	Drawn By DB	Post Checked J.C.K.	
BILL OF BARS AND DETAILS		SHEET 11 OF 14 X 59428	

CONSTRUCTION GRADES (TOP OF DECK ELEV.)

LOCATION	E BRG. W. ABUT.	1/8 PT.	1/4 PT.	3/8 PT.	1/2 PT.	5/8 PT.	E FIELD SPICE 1	3/8 PT.	1/4 PT.	E PIER	1/8 PT.	1/4 PT.	E FIELD SPICE 2	3/8 PT.	1/4 PT.	5/8 PT.	3/4 PT.	7/8 PT.	E BRG. E. ABUT.
GIRDER 1	705.74	705.97	706.18	706.37	706.53	706.67	706.73	706.79	706.88	706.93	706.99	707.01	707.02	707.02	707.00	706.96	706.91	706.83	706.73
GIRDER 2	705.93	706.16	706.36	706.55	706.71	706.84	706.90	706.95	707.04	707.10	707.14	707.16	707.16	707.16	707.14	707.10	707.04	706.96	706.86
GIRDER 3	705.97	706.20	706.40	706.58	706.73	706.86	706.92	706.97	707.05	707.11	707.15	707.16	707.16	707.16	707.13	707.09	707.02	706.94	706.83
GIRDER 4	705.87	706.09	706.29	706.46	706.61	706.74	706.79	706.84	706.92	706.98	707.01	707.02	707.01	707.01	706.98	706.93	706.86	706.77	706.66

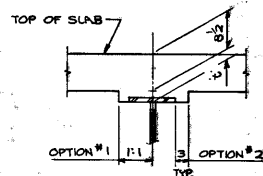
ERECTED STEEL ELEVATIONS *

LOCATION	E BRG. W. ABUT.	E FIELD SPICE 1	E PIER	E FIELD SPICE 2	E BRG. E. ABUT.
GIRDER 1	704.98	706.23	706.32	706.42	705.97
GIRDER 2	705.17	706.40	706.48	706.57	706.09
GIRDER 3	705.21	706.42	706.49	706.57	706.07
GIRDER 4	705.11	706.30	706.38	706.42	705.90

* THESE ELEVATIONS ARE TO TOP OF STEEL (SPICE PLATE THICKNESS, IF APPLICABLE, IS ACCOUNTED FOR) AND THEY ARE FOR THE MATERIAL AS ERECTED. THE ELEVATION OF THE TOP OF STEEL AT THE FIELD SPICE POINTS SHALL BE CHECKED, AND CORRECTED, IF POSSIBLE, AFTER ERECTION AND BEFORE PERMANENTLY WELDING OR BOLTING THE CROSS BRACING.

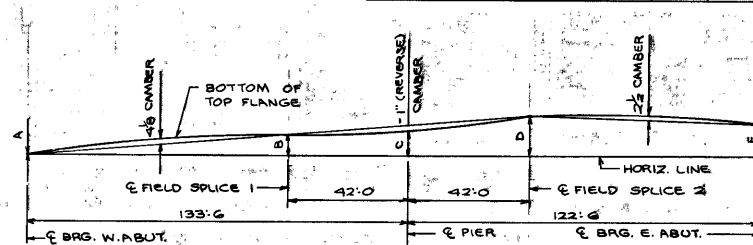
LOCATION	A	B	C	D	E
GIRDER 1	0'0"	1'2 1/2"	1'2 3/4"	1'4 1/4"	0'11 1/2"
GIRDER 2	0'0"	1'2 3/4"	1'2 1/2"	1'4"	0'11 1/4"
GIRDER 3	0'0"	1'1 7/8"	1'1 1/4"	1'3 3/4"	0'10 5/8"
GIRDER 4	0'0"	1'1 5/8"	1'1 1/4"	1'2 7/8"	0'9 3/4"

NOTE:
CONTRACTOR MAY USE OPTION #1
OR OPTION #2.

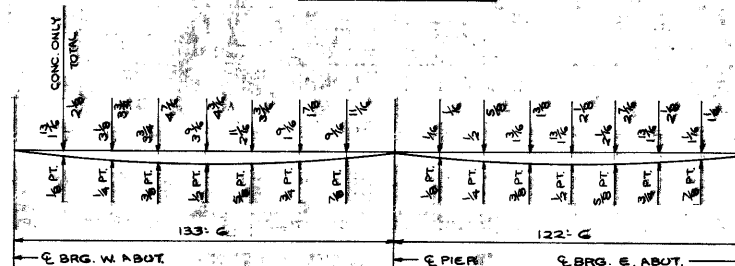


TO DETERMINE 'C': AFTER ALL STRUCTURAL STEEL HAS BEEN ERECTED, ELEVATIONS OF THE TOP FLANGES OR TOP OF SPICE PLATES WHICHEVER APPLIES, SHALL BE TAKEN AT THE E BEARINGS, E FIELD SPICES, AND AT EIGHTH POINTS OF EACH SPAN, WHICH ARE MORE THAN SIX FEET FROM A FIELD SPICE. THESE ELEVATIONS SUBTRACTED FROM THE GRADE ELEVATIONS, ADJUSTED FOR THE DEAD LOAD DEFLECTION OF THE CONCRETE, MINUS THE SLAB DEPTH, PLUS THE STEEL THICKNESS TO BOTTOM OF THE TOP FLANGE, EQUALS THE HAUNCH DEPTH 'C'.

SLAB THICKNESS DIAGRAM



BLOCKING DIAGRAM



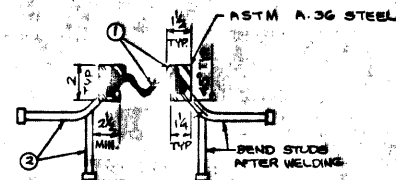
DEFLECTION DIAGRAM

No.	Date	Revision	By
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS			
STRUCTURE B-36-62			
Drawn By	Spec. 1975	Check By	Checked J.C.K.
GRADES AND DIAGRAM			SHEET 12 OF 14 X 59429

PROJECT NO.	1226-1-72	SHEET NUMBER	7/13
FEDERAL PROJECT DESIGNATION		TOTAL SHEETS	

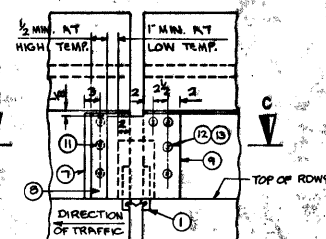
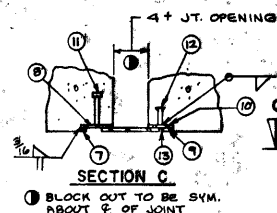
LEGEND

- ① ACMA NEOPRENE STRIP SEAL MODEL NS-300 OR WABO-MAURER NEOPRENE STRIP SEAL.
- ② STUDS $\frac{5}{8}$ " x 0'-6" LONG AT 0'-6" ALTERNATE CENTERS. WELD TO STEEL EXTRUSIONS NO. 1 AND BEND AS SHOWN.
- ③ PLATE $\frac{3}{8}$ " x 0'-4" WIDE WITH $\frac{5}{16}$ " HOLE FOR NO. 4. BEND & WELD TO NO. 1 AT 3'-0" CENTERS.
- ④ ROD $\frac{3}{4}$ " x 1'-6" LONG WITH 2 STD NUTS & WASHERS. THREAD ONE END 4" AND EMBED IN CONCRETE AT 3'-0" CENTERS AS SHOWN.
- ⑤ WELD $\frac{3}{8}$ " THREADED ROD AS SHOWN OR ATTACH BY BOLTING THRU FLANGE.
- ⑥ ANGLE 4x3x $\frac{3}{8}$ WITH $\frac{1}{2}$ " HOLE FOR NO. 5.
- ⑦ BAR 1x $\frac{3}{8}$. BEND AS SHOWN.
- ⑧ PLATE $\frac{3}{8}$ " x WIDTH REQ'D. BEND AS SHOWN.
- ⑨ PLATE $\frac{3}{8}$ " x WIDTH REQ'D. BEND AS SHOWN.
- ⑩ STUDS $\frac{3}{8}$ " x 0'-6" LONG, WELD TO NO. 8 AS SHOWN.
- ⑪ THREADED INSERTS $\frac{3}{4}$ " x 0'-3" LONG, WELD TO NO. 10 AS SHOWN.
- ⑫ $\frac{3}{4}$ " C'SCK. GALV. BOLTS.

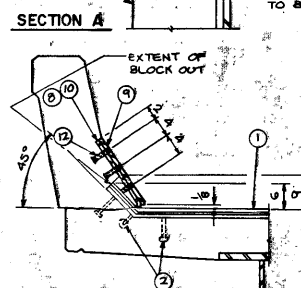


BLAST CLEAN STEEL EXTRUSIONS PRIOR TO COATING WITH LUBRICANT ADHESIVE FOR NEOPRENE SEAL.

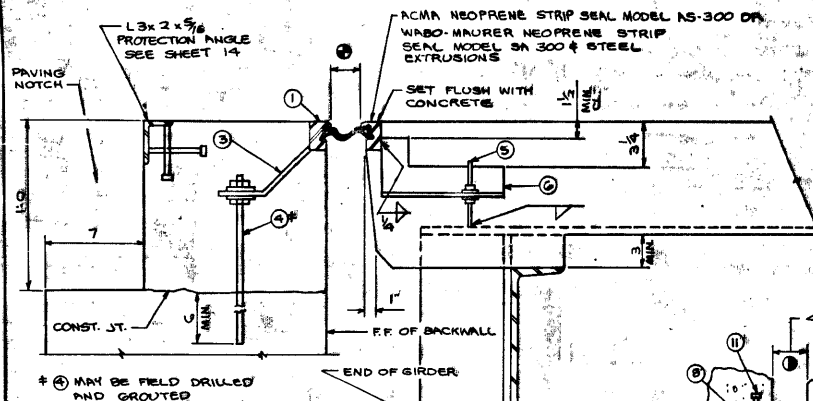
SECTION THRU JOINT



SECTION B



SECTION THRU PARAPET 'B'

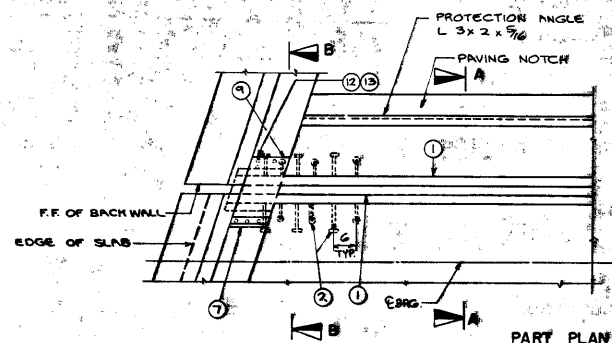


TEMPERATURE TABLE

TEMP.	WABO-MAURER SA 300	ACMA NS 300
90°	1 1/8	1 1/8
80°	1 3/8	1 3/8
70°	1 5/8	1 5/8
60°	2	2
50°	2 1/8	2 1/8
45°	2 1/4	2 1/4
40°	2 3/8	2 3/8
30°	2 1/2	2 1/2

JOINT OPENING

*SHADED UNDERSIDE DECK TEMPERATURE (F)



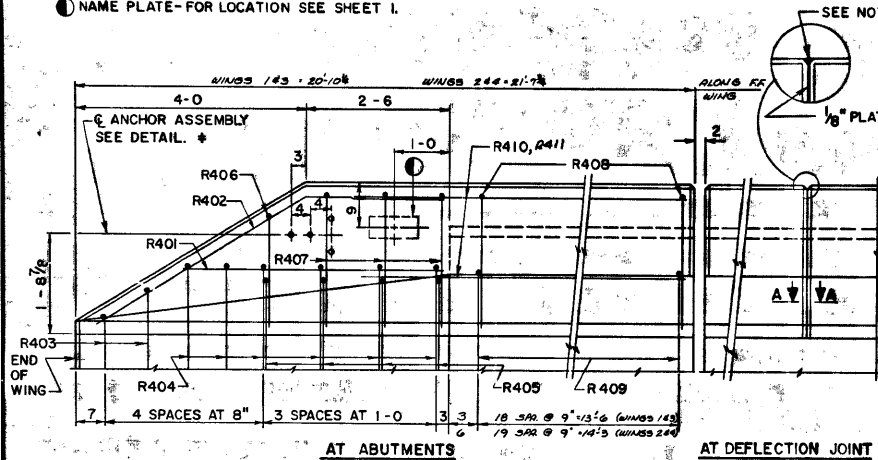
PART PLAN

GENERAL NOTES

ONE FIELD SPlice PERMITTED. IF USED, DETAILS SHALL BE SUBMITTED FOR APPROVAL.
ELASTOMERIC JOINT ASSEMBLY, INCLUDING ANCHOR STUDS AND HARDWARE WILL BE PAID FOR AT THE LUMP SUM PRICE FOR 'EXPANSION DEVICE'.

No.	Date	Revision	By
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS			
STRUCTURE B-36-62			
Const. 1975	Drawn 87	DB	Free Checked J.C.K.
STRIP SEAL EXPANSION DEVICE AT ABUTMENTS X 59430			SHEET 13 OF 14

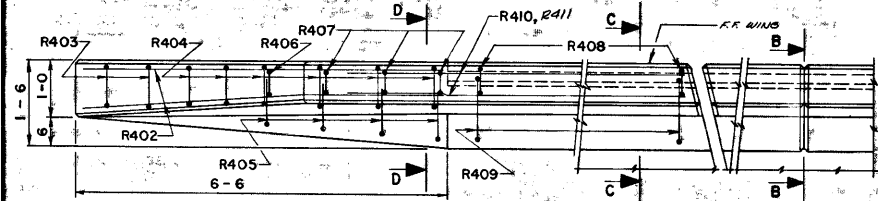
NAME PLATE-FOR LOCATION SEE SHEET I.



AT ABUTMENTS

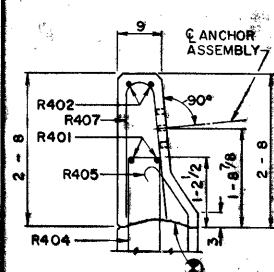
AT DEFLECTION JOINT

ELEVATION OF PARAPET

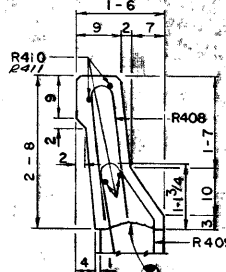


PLAN OF PARAPET
(WINGS 244 SHOWN, WINGS 143 SIMILAR)

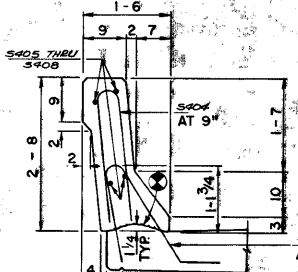
CONST JOINT-STRIKE OFF AS SHOWN AND LEAVE ROUGH.



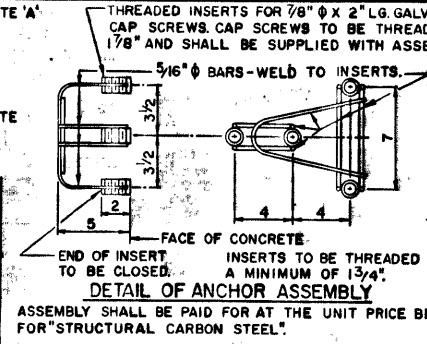
SECTION D



SECTION C



SECTION THRU
PARAPET ON BRIDGE



DETAIL OF ANCHOR ASSEMBLY

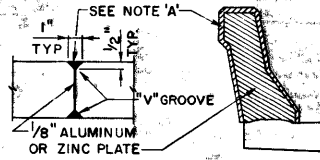
ASSEMBLY SHALL BE PAID FOR AT THE UNIT PRICE BID FOR "STRUCTURAL CARBON STEEL".

NOTES

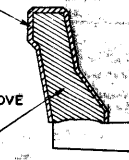
WHEN PARAPETS ARE POURED CONTINUOUSLY FROM END TO END, THEY SHALL BE SEPARATED AT THE DEFLECTION JOINTS BY A PIECE OF 1/8" ALUMINUM OR ZINC PLATE CUT AS SHOWN IN SECTION 'B' BY SHADED AREA. IF CONSTRUCTION JOINTS IN PARAPETS ARE USED AT THE DEFLECTION JOINTS, ONE SIDE OF JOINT SHALL BE COATED WITH BITUMINOUS PAINT AND THE PLATE SEPARATORS MAY BE OMITTED.

NOTE 'A'- FILL WITH NON-STAINING, GRAY, NON-BITUMINOUS JOINT SEALER.

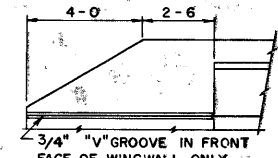
* PLACE ANCHOR ASSEMBLY AT ALL ABUTMENT WINGS WHERE ATTACHMENT FOR BEAM GUARD RAIL IS NEEDED. SEE SHEET I.



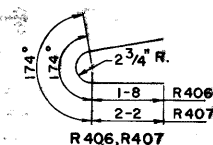
SECTION A



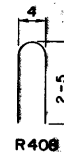
SECTION B



VIEW SHOWING FRONT
FACE OF PARAPET



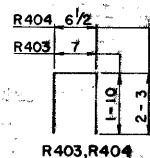
R406, R407



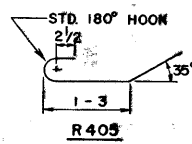
R408

STATE PROJECT NUMBER				SHEET NO.	
125-1-72				7/12	
PARAPET BILL OF BARS				460 #/ ABUT.	
AT ABUTMENTS				460 #/ ABUT.	
MARK	NO. REQ'D.	LENGTH	BENT	LOCATION	
R401	4	4-6		WINGS 1, 2, 3, 4	
R402	4	6-8	X		
R403	4	4-1	X		
R404	12	12-11	X		
R405	8	3-1	X		
R406	2	4-0	X		
R407	6	5-0	X		
R408	39	5-0	X		
R409	39	4-7	X		
R410	4	16-3		143	
R411	4	17-5		244	

* ABUTMENT TOTAL ESTIMATED QUANTITIES INCLUDE THIS WEIGHT.



R403, R404



R405

No.	Date	Revision	By
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS			
STRUCTURE B-36-62			
Comp. Date: 1/27/75	Drawn By: R.J.B.	Check: J.C.K.	
SLOPED FACE PARAPET "B"			SHEET 14 OF 14 X59438

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HS-20
INVENTORY RATING: HS-xx
OPERATING RATING: HS-xx
WISCONSIN STANDARD PERMIT
VEHICLE (Wis-SPV): XXX KIPS

MATERIAL PROPERTIES:

CONCRETE MASONRY OVERLAY
DECKS & PARAPETS: $f'_c = 4,000$ p.s.i.
BAR STEEL REINFORCEMENT
GRADE 60: $f_y = 60,000$ p.s.i.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS ARE BASED ON EXISTING STRUCTURE PLANS.

DECK SURFACE PREPARATION IS INCLUDED IN THE BID ITEM "POLYMER OVERLAY".

TOTAL ESTIMATED QUANTITIES

509,5100.S POLYMER OVERLAY ——— 984 SY

TRAFFIC DATA

ADT = 11,800 (2036)
RDS = 70 M.P.H.

LIST OF DRAWINGS

1. GENERAL PLAN

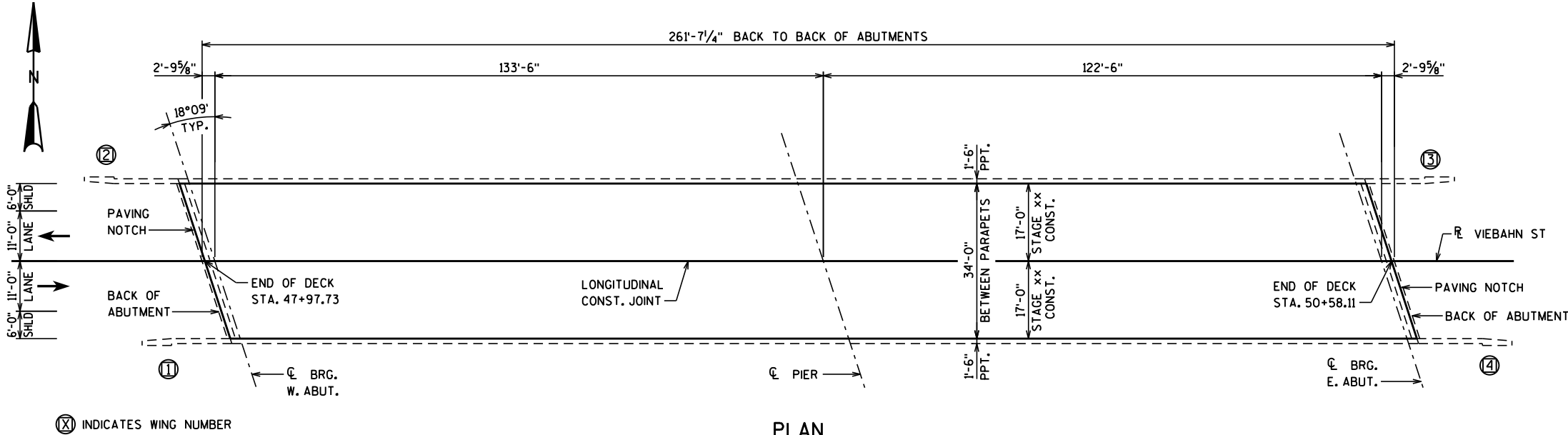
BRIDGE OFFICE CONTACT

WILLIAM DREHER
(608) 266-8489

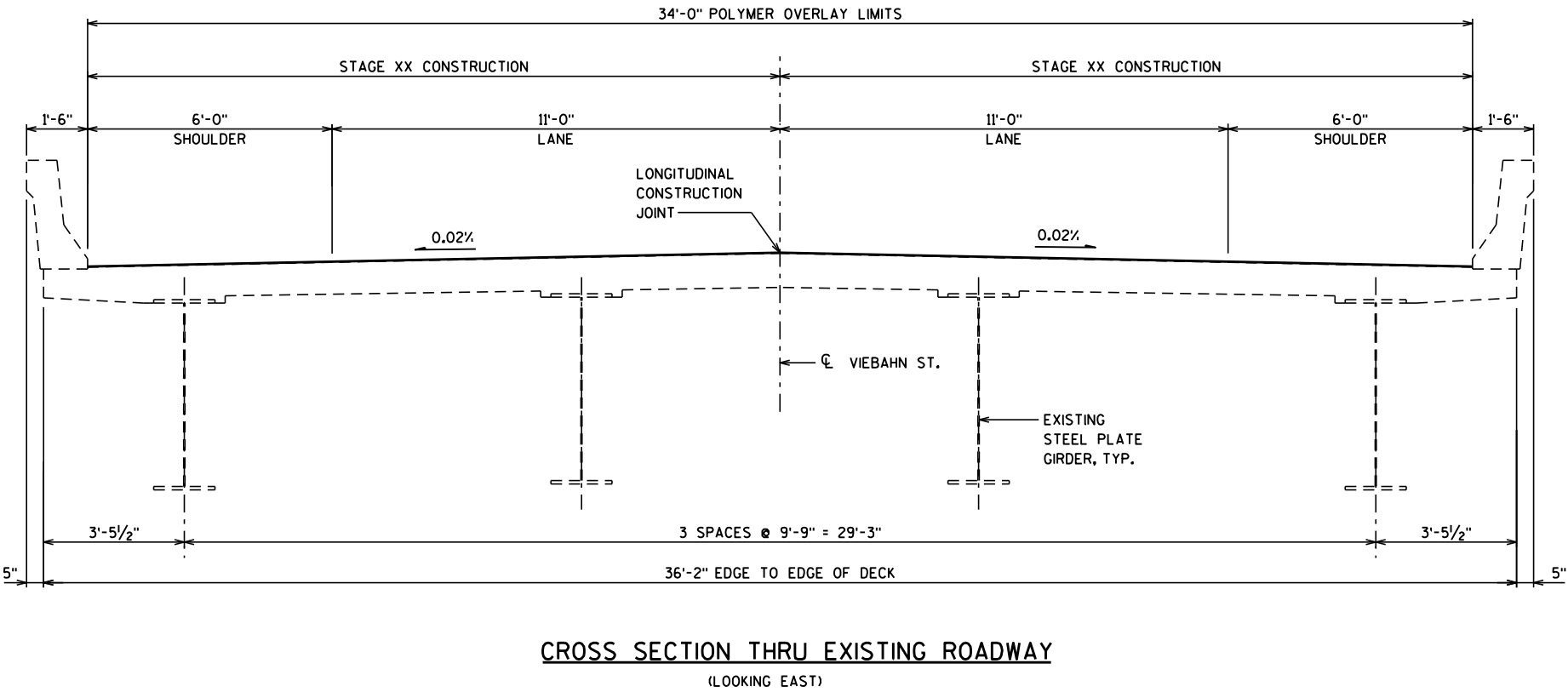
CONSULTANT CONTACT

KRISTOFER OLSON
OMNI ASSOCIATES
(920) 735-6900

NO.	DATE	REVISION	BY
ORIGINAL PLANS PREPARED BY			
Omni ASSOCIATES			
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
ACCEPTED		CHIEF STRUCTURES DESIGN ENGINEER	DATE
STRUCTURE B-36-62			
VIEBAHN ST OVER IH 43			
COUNTY	MANITOWOC	TOWN	MANITOWOC RAPIDS
DESIGN SPEC. REHABILITATION N/A			
DESIGNED BY	BRE	DESIGN CK'D.	KRO
DRAWN BY	BRE	PLANS CK'D.	KRO
GENERAL PLAN			SHEET 1 OF 1



PLAN



CROSS SECTION THRU EXISTING ROADWAY
(LOOKING EAST)

**WISCONSIN DEPARTMENT OF TRANSPORTATION
BRIDGE LOAD RATING SUMMARY**

Bridge Data (used in this rating)

Bridge Number: B36-062	Section Loss(%): *
Feature Carried: CL VIEBAHN ST	SL Description: *
Rating Date: 08-Jan-2013	Overburden Depth(in): 0.0
Span Type: DECK GIRDER	Overburden Type: CONCRETE
Span Material: CONT STEEL	Last Inspection Date: 13-Sep-2011*

* Inspection data reflects last inspection prior to rating. Latest inspection is on 09-Sep-2013

Bridge Load Rating Summary

Rating Method: LFR	Rating Vehicle: HS20			
	Rating	Controlling Element	Controlling Location (ft)	Live Load Distribution Factor
Inventory:	HS22	DECK GIRDER Moment	8.9 SPAN 1, 118.5	1.77
Operating:	HS36.6	DECK GIRDER Moment	8.9 SPAN 1, 118.5	1.77

Wisconsin Standard Permit Vehicle (Wis-SPV)

	MVW (kips)	Controlling Element	Controlling Location (ft)	Live Load Distribution Factor
Single Trip:	178	DECK GIRDER Moment	8.9 SPAN 1, 118.5	1.39
Multi Trip:	140	DECK GIRDER Moment	8.9 SPAN 1, 118.5	1.77

Remarks/Recommendations:	Load Rating Engineer	
	Name: Dietsche, Joshua	
	Date: 08-Jan-2013 PE Stamp Here	

This page intentionally left blank