



STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

Inspection Report for B-36-111

IH 43 NB over CENTER ROAD
May 23,2017



Type	Prior	Frequency (mos)	Performed
Routine	09-01-15	24	X
Deck Evaluation	06-16-16	0	
SIA Review	09-01-15	48	X

Latitude 43°56'27.59"N
Longitude 87°44'36.34"W

Owner STATE HIGHWAY DEPT
Maintainer STATE HIGHWAY DEPT

Time Log

Team members

Hours	Minutes	
0	40	

Inspector	Name	Number	Signature	Date
	Weber, Dale	3007	<i>Dale Weber</i> E-signed by Dale Weber(dotdsw)	05-24-17

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

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Identification & Location

Feature On: IH 43 NB	Section Town Range: S16 T17N R23E	Structure Number: B-36-111
Feature Under: CENTER ROAD	County: MANITOWOC	
Location 2.0M N JCT CTH XX	Municipality: CENTERVILLE	Structure Name:

Geometry

measurements in feet, except where noted

Approach Roadway Width: 40	Bridge Roadway Width: 40.0	Total Length: 121.2
Approach Pavement Width: 24	Deck Width: 43.0	Deck Area (sq ft): 5211

Traffic

	Lanes	ADT	ADT year	Traffic Pattern
On	2	10950	2017	ONE WAY TRAFFIC
Under	2	100	2017	TWO WAY TRAFFIC

Capacity

Load Rating

Inventory rating: HS10	Overburden depth (in): 2.0	Last rating date: 07-22-15	Controlling: INTERIOR DECK GIRDER Positive Moment
Operating rating: HS24	Deck surface material: CONCRETE	Re-rate for capacity (Y/N):	Control location: SPAN 1
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 #:

Span(s)

Span #	Material	Configuration	Depth (in)	Length (ft)	Main
1	PREST CONCRETE	DECK GIRDER	70	118.5	Y

Expansion joint(s)

Temperature:	File:	New:
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Clearance

Item	File Measurement (ft)	File Date	New Measurement (ft)
Highway Min Vertical Under Cardinal	15.67		
Highway Min Vertical Under Non-Cardinal			
Horizontal Under Cardinal	42.0		
Horizontal Under Non-Cardinal			
Highway Min Vertical On Cardinal			
Horizontal On Cardinal			

Construction History

Year	Work Performed	FOS id
2016	OVERLAY - CONCRETE	1224-21-71
9999	NOT BUILT	1224-00-21
2001	OVERLAY - BITUMINOUS	1224-06-71
1985	REPAIR RAIL	
1978	NEW STRUCTURE	1224-01-80

Maintenance Items

Item	Priority	Recommended by	Status	Status change
Approach - Seal Approach to Paving Block	MEDIUM	Weber, Dale (3007)	IDENTIFIED	05/24/17
w/rubber				
Deck - Seal Surface Cracks	MEDIUM	Weber, Dale (3007)	IDENTIFIED	05/24/17
w/MMA				
Drainage - Repair Washouts / Erosion	MEDIUM	Weber, Dale (3007)	IDENTIFIED	05/24/17
Repair washout at SW wing & possibly add flume				

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Structure No.: **B-36-111**

Elements

Chk	Element	Defect	Description	UOM	Total	Quantity in Condition State			
						1	2	3	4
X	12		Reinforced Concrete Deck	SF	5,212	5,131	81	0	0
		1080	Delamination - Spall - Patched Area CS-2(1 SF) Solid patch	SF		0	1	0	0
		1130	Cracking (RC) CS-2(80 SF) Trans. at abutments w/eff.	SF		0	80	0	0
	8514								
			Concrete Overlay Overlaid in 2016	SF	5,212	3,612	1,600	0	0
		3220	Crack (Wearing Surface) CS-2(1600 SF) Diag, trans, & long. cracking - some sealed	SF		0	1,600	0	0
X	109		Prestressed Concrete Open Girder	LF	708	708	0	0	0
X	215		Reinforced Concrete Abutment	LF	94	76	16	2	0
		1080	Delamination - Spall - Patched Area CS-2(N Abut 4') Solid patches CS-3(S Abut 1' & N Abut 1') Spalls at SW & NW corners	LF		0	4	2	0
		1130	Cracking (RC) CS-2 (S Abut 7' & N Abut 5') Vert. cracking	LF		0	12	0	0
X	331		Reinforced Concrete Bridge Rail	LF	308	300	8	0	0
		1130	Cracking (RC) CS-2(W Side 3' & E Side 5') Vert. cracking	LF		0	8	0	0
X	8400		Integral Wingwall	EA	4	2	2	0	0
		8902	Wall Movement CS-2(1 EA) SW wing tipped 2 1/4" and strapped (2017)	EA		0	1	0	0
		8903	Wall Deterioration CS-2(1 EA) Solid patch in NW wing	EA		0	1	0	0

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Structure No.: **B-36-111**

Assessments

Chk	Element	Defect	Description	UOM	Total	Quantity in Condition State			
						1	2	3	4
X	9001		Drainage - Approach	EA	4	3	0	1	0
			Inlet at NW quadrant Washing around SW wing						
X	9043		Slope Protection- Crushed Aggregate with Bit.	EA	2	2	0	0	0
			South slope covered in vegetation						
X	9168		Concrete Diaphragm	EA	10	10	0	0	0
X	9323		Approach Roadway - Asphalt	EA	2	2	0	0	0
			Replaced in 2016						

NBI Ratings

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

Structure Specific Notes

Bit. overlayed in 2001
PCC overlay 2016

Inspection Specific Notes

Inspector Site-Specific Safety Considerations

Structure Inspection Procedures

Special Requirements

Chk Hours Cost Comments

Routine

Document Comment/Description

CS-3 spall at W corner of N abut (5/23/17)



Routine

Document Comment/Description

CS-3 spall at W corner of S abut. and SW wing strapping (5/23/17)



STRUCTURE INVENTORY AND APPRAISAL FIELD REVIEW FORM

B-36-111
IH 43 NB over CENTER ROAD

LOCATION

(3) Municipality:
(16) Latitude(° ' ")
(17) Longitude(° ' ")

CENTERVILLE
43°56'27.59"N
87°44'36.34"W

TRAFFIC SERVICE

(28A) Lanes On:
(28B) Lanes Under:
(102) Traffic Pattern On:
(102) Traffic Pattern Under:
(19) Detour Length(mi):

2
2
-NO TRAFFIC ☒ -ONE WAY TRAFFIC -TWO WAY TRAFFIC
-NO TRAFFIC -ONE WAY TRAFFIC ☒ -TWO WAY TRAFFIC
27

GEOMETRY

(49) Structure Length(ft):
(50) Sidewalk Width(ft):
(50) Curb Width(ft):
(52) Culvert Barrel Length(ft):
(34) Skew:

(51) Bridge Roadway Width(ft):
(52) Deck Width(ft):
Right Wingwall Length(ft):
Left Wingwall Length(ft):
(32) Approach Roadway Width(ft):

(47) Minimum Horizontal(ft):
(55) Minimum Right Lateral(ft):
(56) Minimum Left Lateral(ft):

121.2	
Left: 0.0	Right: 0.0
Angle(°): 25	Direction: -RIGHT FORWARD ☒ -LEFT FORWARD
Cardinal	Non-Cardinal
40.0	40.0
43.0	43.0
40	0
Cardinal Under Clearance	Non-Cardinal Under Clearance
42.0	
12.0	
8.0	

RAILING APPRAISAL

(36A) Bridge Rail Adequacy:
(36B) Transition Adequacy:
(36C) Approach Guardrail Adequacy:
(36D) Guardrail Termination Adequacy:
Outer Rail:

-SUB-STANDARD X-STANDARD -NOT APPLICABLE		
-SUB-STANDARD X-STANDARD -NOT APPLICABLE		
-SUB-STANDARD X-STANDARD -NOT APPLICABLE		
-SUB-STANDARD X-STANDARD -NOT APPLICABLE		
Left	Right	Type
		TYPE F (TWO SQUARE TUBES) - STEEL(8)
		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)
		SLOPED FACE PARAPET HF(92)
		VERTICAL FACE PARAPET TYPE A(74)
		TYPE W-THRIE BEAM(79)
		TYPE H ON VERTICAL PARAPET(80)
		TIMBER(38)
X	X	OTHER(99) (Please specify) Left: NJ SLOPING PARAPET(61) Right: NJ SLOPING PARAPET(61)
		CONT GUARD RAIL
		NO APP GRDRL
		NO ATTACHMENT
5		22 MM(7/8") BOLT (Please enter quantity)
		25 MM(1") BOLT (Please enter quantity)
		OTHER (Please specify)
X		(01) ENERGY ABSORBING TERMINAL/EAT
		(02) TURN DOWN
		(99) OTHER (Please specify)

Transition Type:

Approach Attachment Rail Note:
Guardrail Termination Type:

Guardrail Termination Note:

ROADWAY ALIGNMENT APPRAISAL

(72) Approach Alignment Appraisal:

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

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

Bridge B360111

Structure No.: B360111	Municipality: CENTERVILLE	Section:	Town:	Range:	Maintenance Agency: STATE HIGHWAY DEPT	Owner: STATE HIGHWAY DEPT
Replaced Structure No.:	Historical Sig.: 5	Latitude: 435627.59	Longitude: 874436.34	County: MANITOWOC (36)	District: 3	

ABUTMENT DATA (CARDINAL)

1. Abutment Type: SILL FLEXIBLE
2. Pile Type: PILING - CAST IN PLACE (CIP)
3. Pile Size: 254 OR 273 MM (10 OR 10-3/4")
4. Slope Protection Type: STAB CR STONE
5. Rdwy. Width: 40.0 ft
6. Deck Width: 43.0 ft
7. Wing Type:

ABUTMENT DATA (NON-CARDINAL)

1. Abutment Type: SILL FLEXIBLE
2. Pile Type: PILING - CAST IN PLACE (CIP)
3. Pile Size: 254 OR 273 MM (10 OR 10-3/4")
4. Slope Protection Type: STAB CR STONE
5. Rdwy. Width: 40.0 ft
6. Deck Width: 43.0 ft
7. Wing Type:

GEOMETRIC DATA

1. Structure Length: 121.2 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: 25 Deg.
8. Direction Skew Angle: LEFT
9. Horizontal Curve: 5729.59 Radius, ft
10. Dir.-Hor. Curve: LEFT
11. Girder Spacing: 7.3 ft
12. Height: 70.0 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: 24 ft
2. Rt. Shoulder Width: 10 ft
3. Lt. Shoulder Width: 6 ft
4. Total Width (Sum Above): 40 ft
5. Guardrail Termination: 1
6. Guardrail Adequacy: 1
7. Railing Attachment Type: 5 - 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: HS20M
2. Inventory MS: HS10
3. Operating MS: HS24
4. Max. Veh. Wt.: 250 kips
5. Load Rating Basis.: LFR
6. Load Governing Member: INTERIOR DECK GIRDER
7. Deck Composition: NONE
8a. Deck Membrane: OTHER
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: 27 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:
3. Geom. Under:
4. Appr. Align: 8-COND EQUAL DESIRABLE CRITERIA
5. Horiz. Align:
6. Vert. Align:

PLANNING DATA

1. Functional Classification: INTERSTATE-RURAL (01)
2. ADT: 10950
3. ADT-Year: 2017
4. Truck ADT %: 20
5. Future ADT: 23600
6. Future ADT-Year: 2017

CONDITION DATA

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

Bridge B360111

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.	OMNNI	2016		12-Jan-2016		OVERLAY - CONCRETE
1224-00-21		OMNNI	9999			01-Apr-2014	NOT BUILT
1224-06-71	NORTHEAST ASPHALT, INC.	BRIDGE SECTION	2001		12-Oct-2000	27-Aug-1997	OVERLAY - BITUMINOUS
	UNKNOWN	UNKNOWN	1985				REPAIR RAIL
1224-01-80	WONDERLIC H-HOFFMAN	BRIDGE SECTION	1978	C159		01-Aug-1976	NEW STRUCTURE

CLEARANCE DATA

Clearance Lane Number	Minimum Vertical	Minimum Vertical Date	Minimum Horizontal Distance	Right Minimum Lateral
1	15.53	13-Jun-2018	42.0	12.0

Left Minimum Lateral	Railroad Right Minimum Lateral	Railroad Left Minimum Lateral	Railroad Vertical Distance	Railroad Horizontal Distance
8.0				

ROUTE DATA

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

Number	Structure Route Location	Highway Feature Name	Structure Route Local System	Highway Feature Designation
043	2.0M N JCT CTH XX	IH 43 NB	IH	MAINLINE
	0.9M E JCT CTH N	CENTER ROAD	LRD	MAINLINE

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

PIER DATA

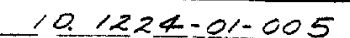
Number	Pier Type	Piling Type	Piling Size	Pier Skew Angle	Direction of Skew
--------	-----------	-------------	-------------	-----------------	-------------------

SPAN DATA

Number	Type	Length	Configuration	Material	Girder or Truss Height	Girder or Truss Spacing
1		118.5	DECK GIRDER	PREST CONCRETE	70.0	7.3

EXPANSIONJOINT DATA

Number	Location	Type	Inactive Date
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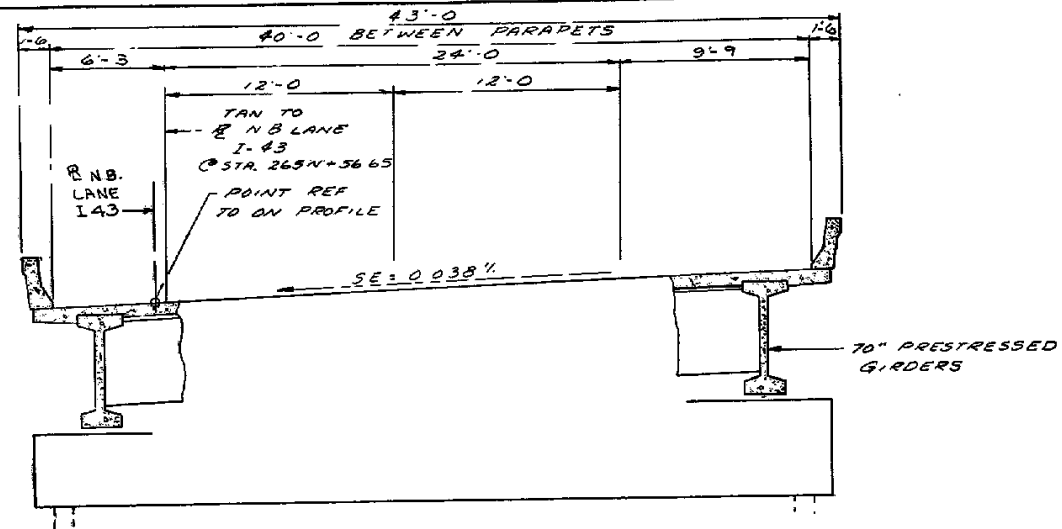


B-36-110/
1976

PROJ. NO.	1224-1-80	SHEET NUMBER	7.12	TOTAL SHEETS	
FEDERAL PROJECT DESIGNATION					

GENERAL NOTES

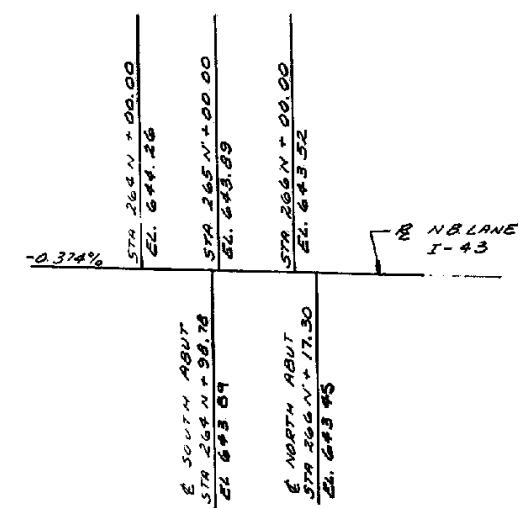
DRAWINGS SHALL NOT BE SCALED
BAR STEEL REINFORCEMENT SHALL BE
IMBEDDED 2" CLEAR UNLESS SHOWN OR
NOTED OTHERWISE.
ELASTOMERIC BEARING PADS NEED NOT
BE INDIVIDUALLY MOLDED PROVIDED THE
CUT EDGES ARE SMOOTH AND TRUE
THE SLOPE OF THE FILL IN FRONT OF THE
ABUTMENTS SHALL BE COVERED WITH SLOPE
PAVING TO THE EXTENT SHOWN ON SHEET 1
AND IN THE ABUTMENT DETAILS.
FILLER SHALL CONFORM TO AASHO
DESIGNATION M153 OR M213.
PREBORE ABUTMENT PILING TO ORIGINAL
GROUND LINE.



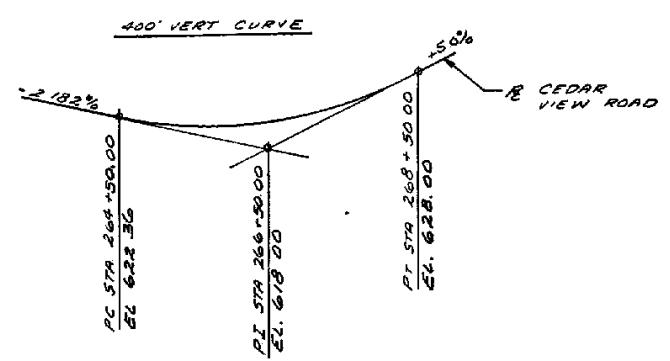
CROSS SECTION THRU ROADWAY LOOKING NORTH

TOTAL ESTIMATED QUANTITIES

BID ITEM	UNIT	SUPER	S ABUT	N ABUT	TOTAL
EXCAVATION FOR STRUCTURES	LS				1
CONCRETE MASONRY	CY	195.5	53.2	51.3	300
HIGH STRENGTH BAR STEEL REINFORCEMENT	LB	32,490	3,980	3,660	40,130
PRESTRESSED GIRDER, I-TYPE, 70 INCH	LF	717			717
BEARING PADS, ELASTOMERIC	SF	18			18
STRUCTURAL CARBON STEEL	LB	490			490
CAST-IN PLACE CONCRETE PILING, DELIVERED & DRIVEN, 10 1/2 INCH	LF		910	910	1,820
PREBORING, CAST-IN PLACE CONCRETE PILING	LF		210	204	414
SLOPE PAVING, CRUSHED AGGREGATE	SY		176	186	362
NON-BID ITEM					
FILLER	SIZE 1/2 #3				1/2 #3
1/8 ALUMINUM OR ZINC PLATE	SF	23			23
POLYVINYL CHLORIDE WATERSTOP	LF		58	58	116



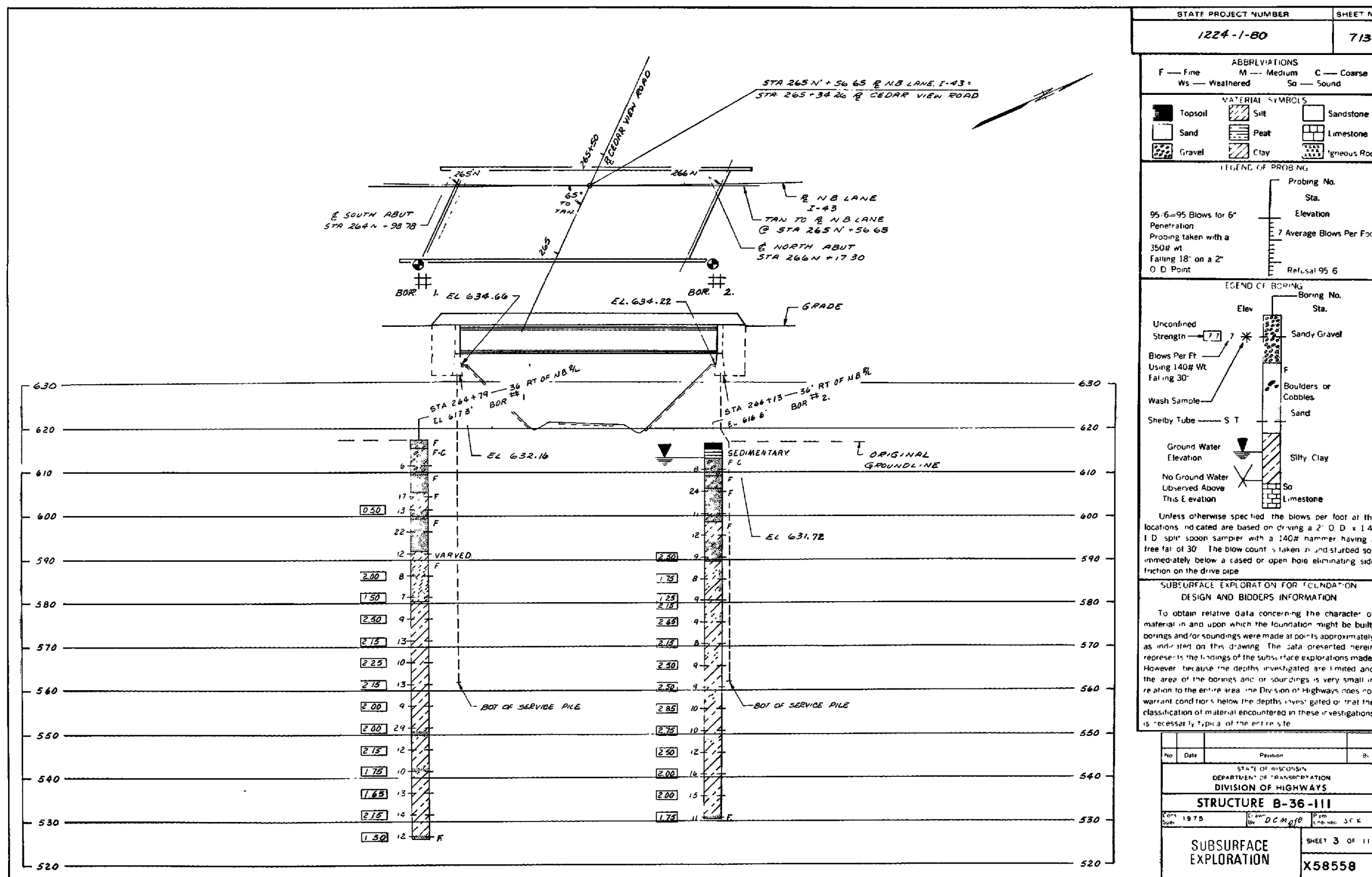
PROFILE GRADE LINE NORTHBOUND LANE, I-43



PROFILE GRADE LINE CEDAR VIEW ROAD

No.	Date	Revision	By
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS			
STRUCTURE B-36-111			
Cost Spec.	1978	Drawn By	DB
Checked		Checked	J. C. K.
NOTES AND QUANTITIES		SHEET 2 OF 11 X 58557	

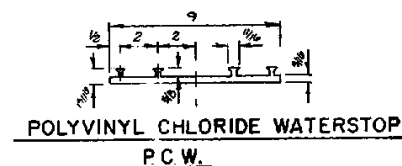
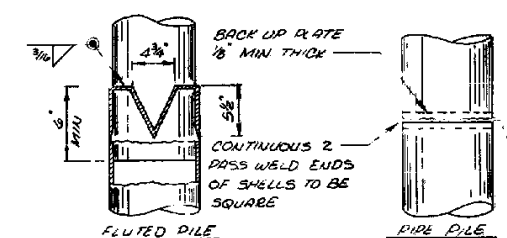
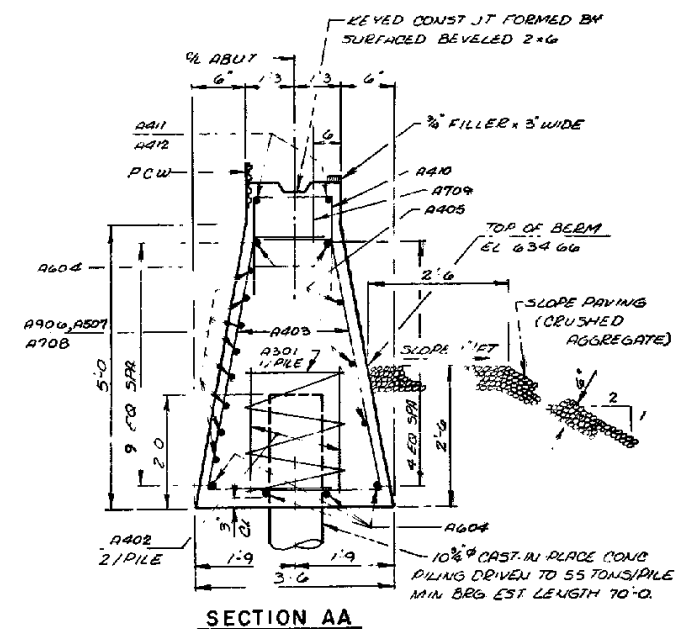
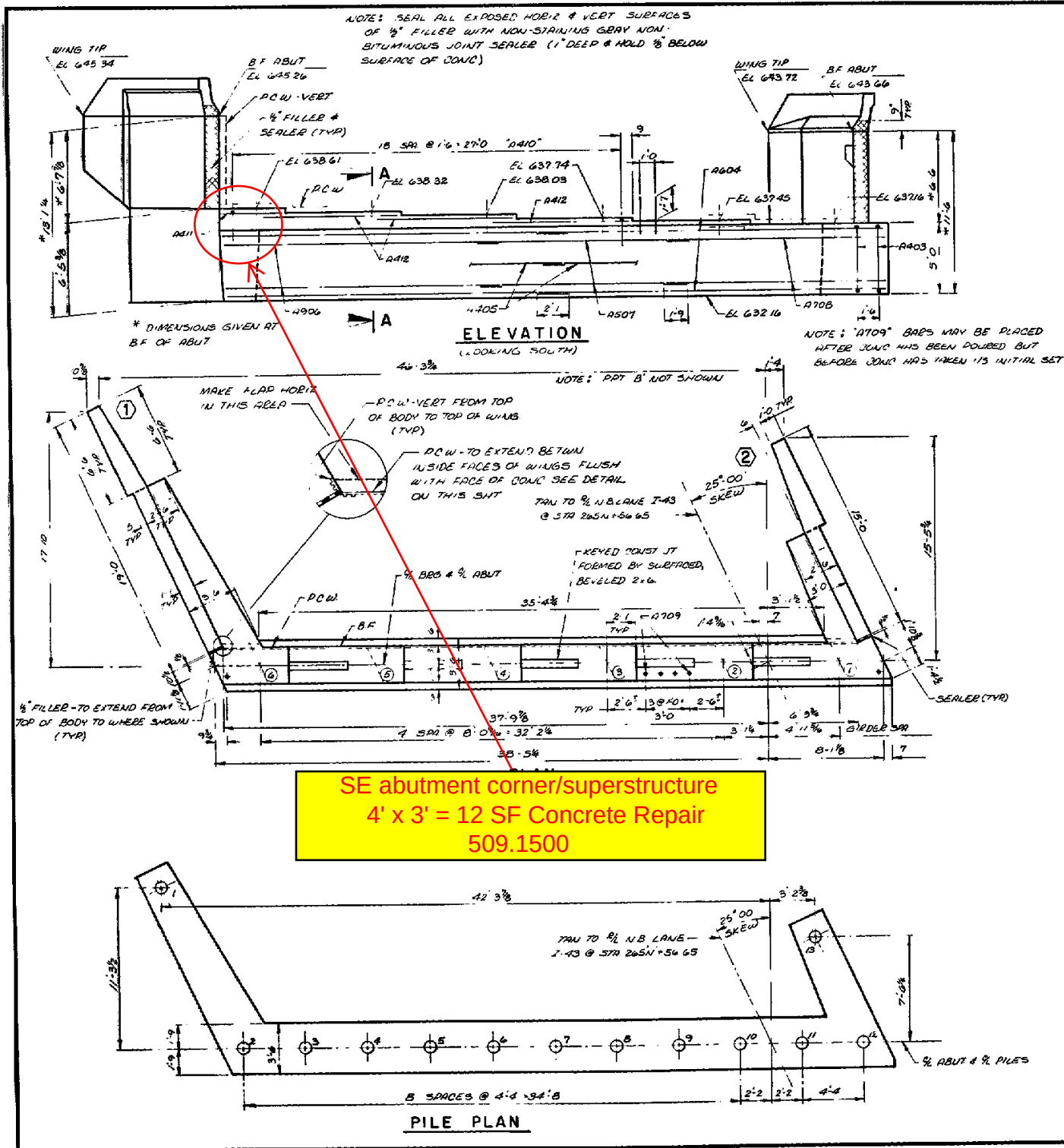
B-36-110/1
1976



B-36-11C

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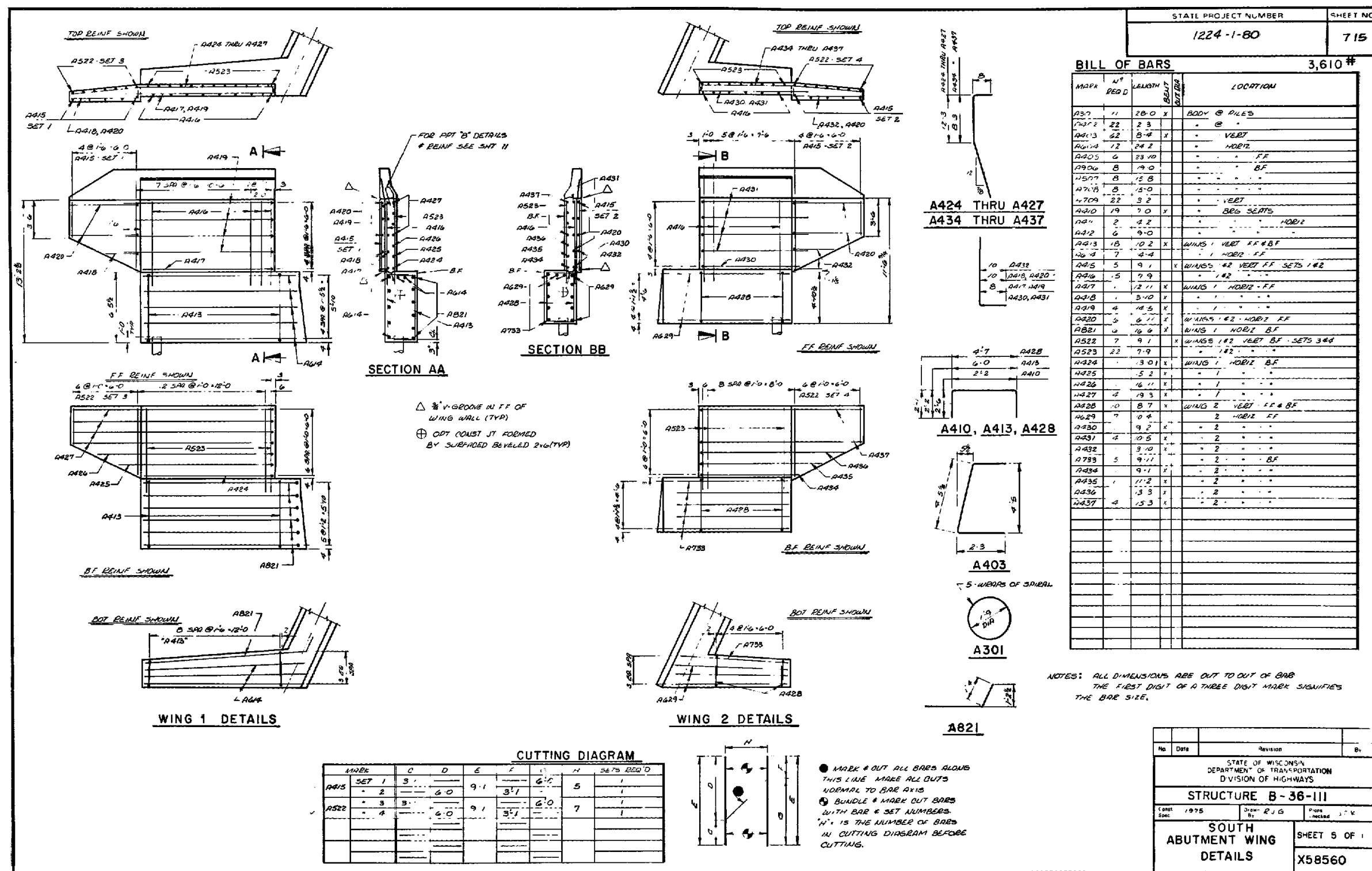
STATE PROJECT NUMBER	SHEET NO.
1224-1-80	7.14



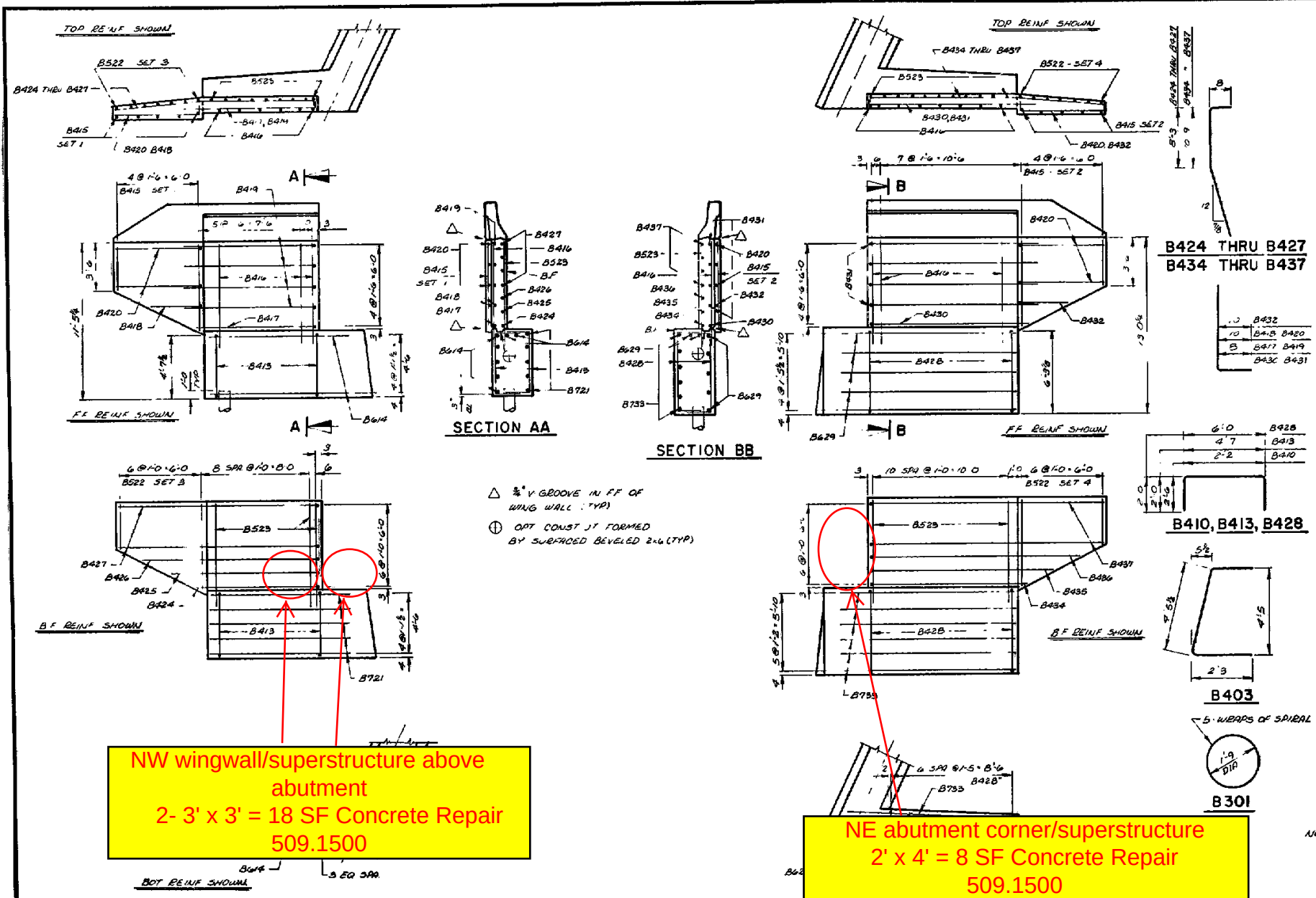
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1	1975	R J G	Checked J T K
STRUCTURE B-36-111			
SOUTH ABUTMENT			SHEET 4 OF 11
X58559			

Form L-6-12-69

B-36-111
1976



B-36-110/
1976

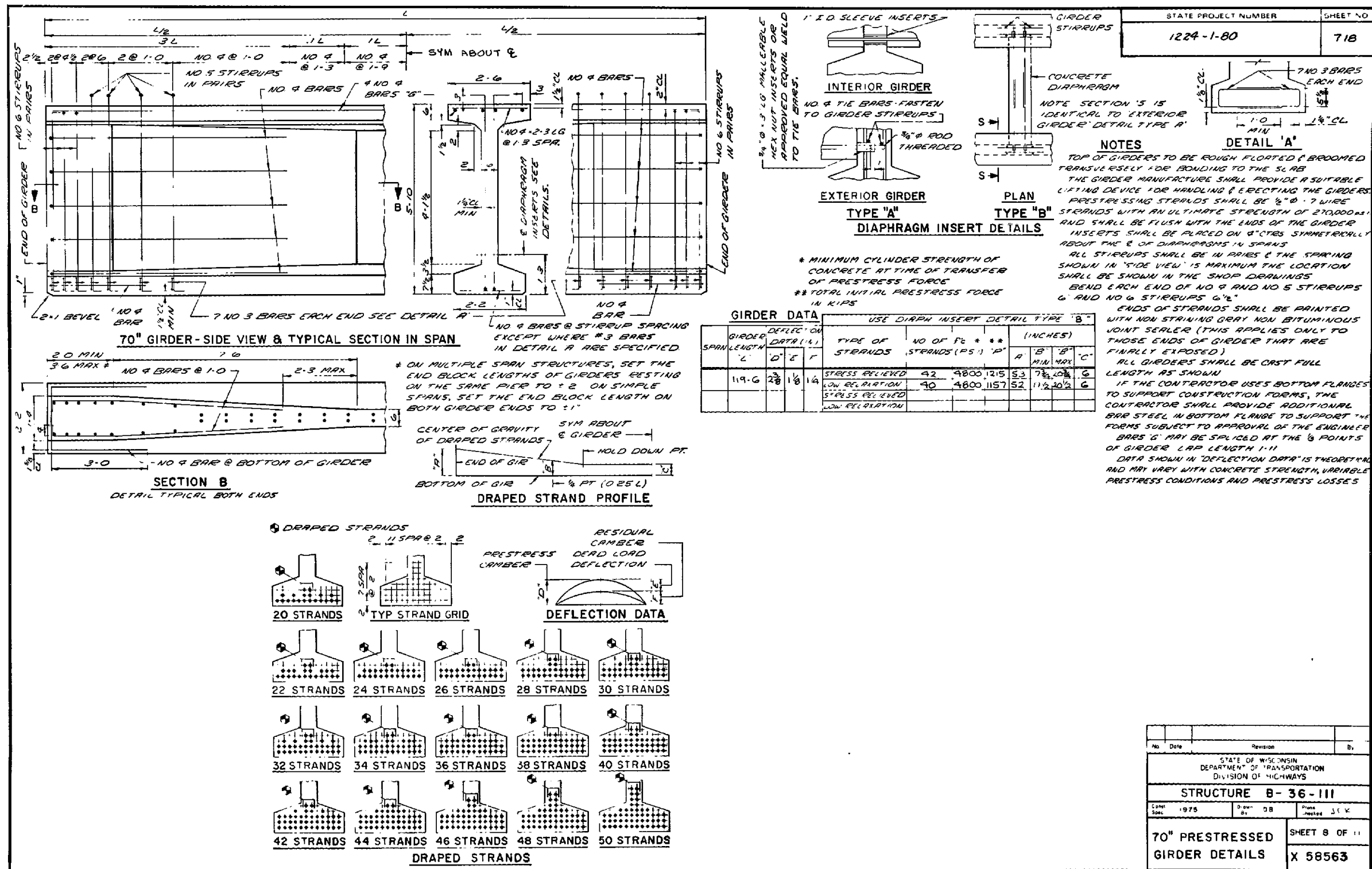


BILL OF BARS				3,310 #
MARK	N°	REQ'D	LOC	LOCATION
B301	11	28.0	X	BODY @ PILES
B402	22	2.3		"
B403	62	5.4	X	"
B404	12	24.2		"
B405	6	23.10		"
B406	3	17.6		"
B507	3	17.2		"
B708	19	15.0		"
B709	22	3.2		"
B410	19	7.0	X	"
B411	2	4.3		"
B412	6	9.0		"
B413	12	15.5	X	"
B414	7	10.3		"
B415	4	9.2	X	"
B416	10	7.7		"
B417	1	9.7	X	"
B418	1	4.2	X	"
B419	4	10.5	X	"
B420	6	6.11	X	"
B421	11	11.0	X	"
B522	7	9.2	X	"
B523	20	2.9		"
B424	1	9.8	X	"
B425	1	11.7	X	"
B426	1	13.5	X	"
B427	4	15.3	X	"
B428	14	9.10	X	"
B429	7	12.9		"
B430	1	11.8	X	"
B431	4	12.11	X	"
B432	3	10.0	X	"
B733	6	12.3		"
B434	1	11.9	X	"
B435	1	13.8	X	"
B436	1	15.8	X	"
B437	4	17.9	X	"

NOTES: ALL DIMENSIONS ARE OUT TO OUT OF BAR
THE FIRST DISIT OF A THREE DISIT MARK SIGNIFIES
THE BAR SIZE.

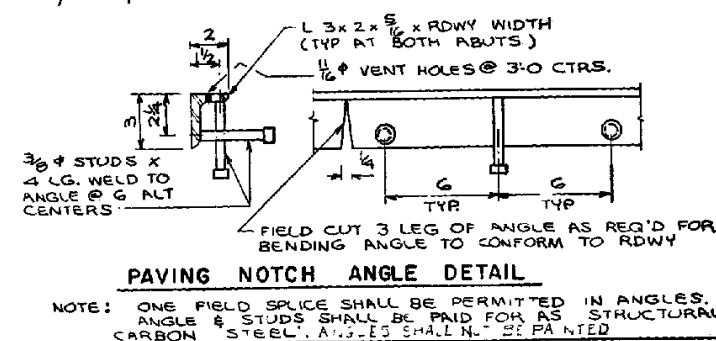
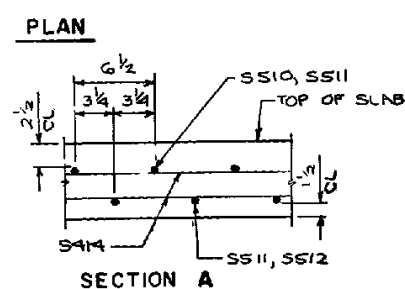
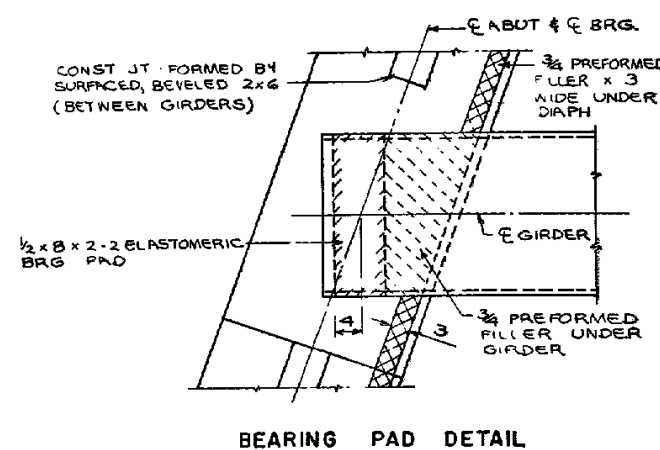
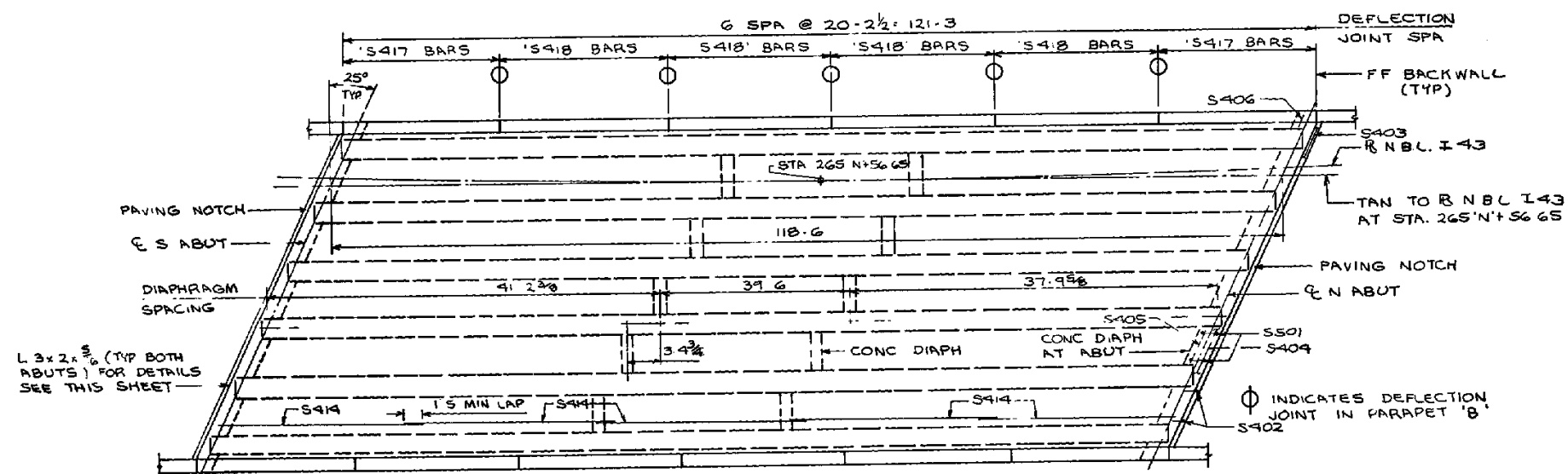
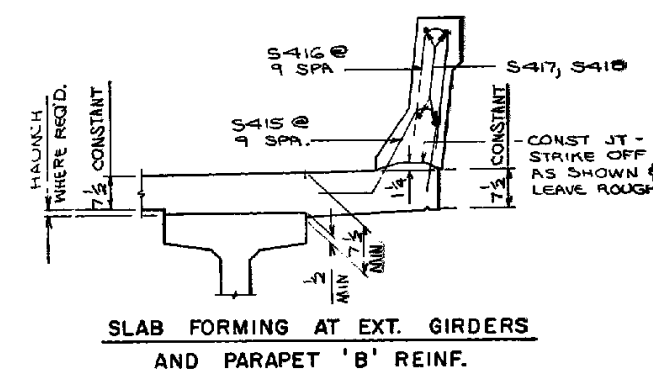
No	Date	Revision	By
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS			
STRUCTURE B-36-III			
Drawn Spec	1975	Drawn By	Checked J.C.
NORTH ABUTMENT WING DETAILS		SHEET 7 OF 11 X58562	

B-36-III
1976



B-36-11

1976

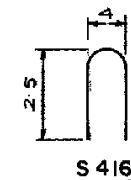
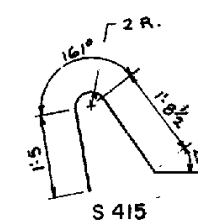
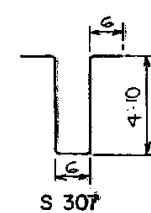
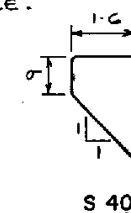
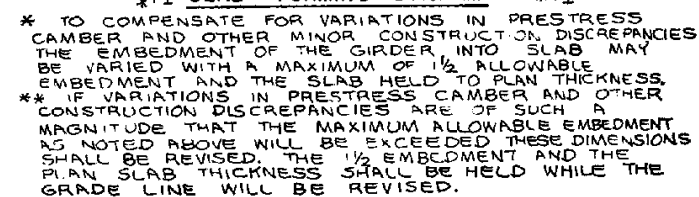
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No.	Date	Revision			By
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS					
STRUCTURE B-36-III					
Const Spec	1976	Drawn By	DB	Pieces Checked	5112
SUPERSTRUCTURE				SHEET 9 OF 1 X 58564	

B-36-110/
1976

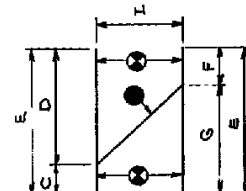
BILL OF BARS	32.490
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NOTE:
THE FIRST DIGIT OF A BAR MARK SIGNIFIES
THE BAR SIZE
$\frac{3}{4}$ ϕ PLAIN BAR. THREAD ONE END 3.
BUNDLED WIRE TO SS10' AND 'SS11' AT 2'0 CTRS
WHERE APPLICABLE.



● BUNDLE AND MARK CUT BARS
WITH BAR AND SET NUMBER.

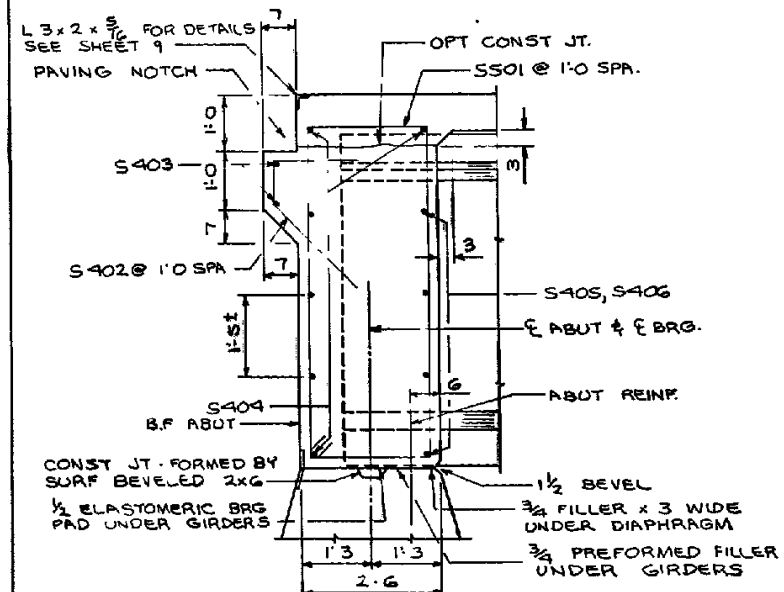
● MARK AND CUT ALL BARS ALONG THIS LINE. MAKE ALL CUTS NORMAL TO BAR AXIS.



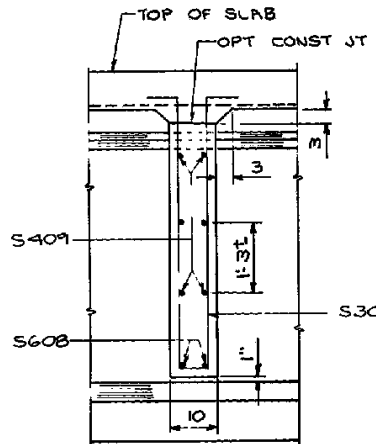
CUTTING DIAGRAM

MARK		C	D	E	F	G	H	SETS REQD
SS-10	SET 1	16	---	---	---	39.10	---	1
	SET 2	---	39.10	41.4	1.6	---	34	1
SS-12	SET 3	20	---	42.4	---	40.5	---	1
	SET 4	---	40.4	---	20	---	34	1

No.	Date		Revision	By
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS				
STRUCTURE B-36-III				
Contract Spec:	1975	Drawn By:	DB	Plotted Checked:
SUPERSTRUCTURE DETAILS			SHEET 10 OF 11 X 58565	



SECTION THRU ABUTMENT DIAPHRAGM
(NORMAL TO & ABUT)



SECTION THRU
DIAPHRAGM
IN SPAN
(PARALLEL TO GIRDER)

B-36-110/
1976

PROJECT ID: 1224-06-71
WITH: N/A

(Design ID: 1224-06-71)

COUNTY: MANITOWOC

15-D-1
1-1-1

INDEX OF SHEETS

Sheet No. 1	Title
Sheet No. 2.1-2.10	Typical Sections and Details
Sheet No. 3.1-3.3	Estimate of Quantities
Sheet No. 3A-3M	Miscellaneous Quantities
Sheet No. _____	Right of Way Plat
Sheet No. 5.1-5.8	Plan and Profile
Sheet No. 6.1-6.24	Standard Detail Drawings
Sheet No. 7.1	Sign Plates
Sheet No. 8.1-8.15	Structure Plans
Sheet No. _____	Computer Earthwork Data
Sheet No. _____	Cross Sections

TOTAL SHEETS = 75



DESIGN DESIGNATION

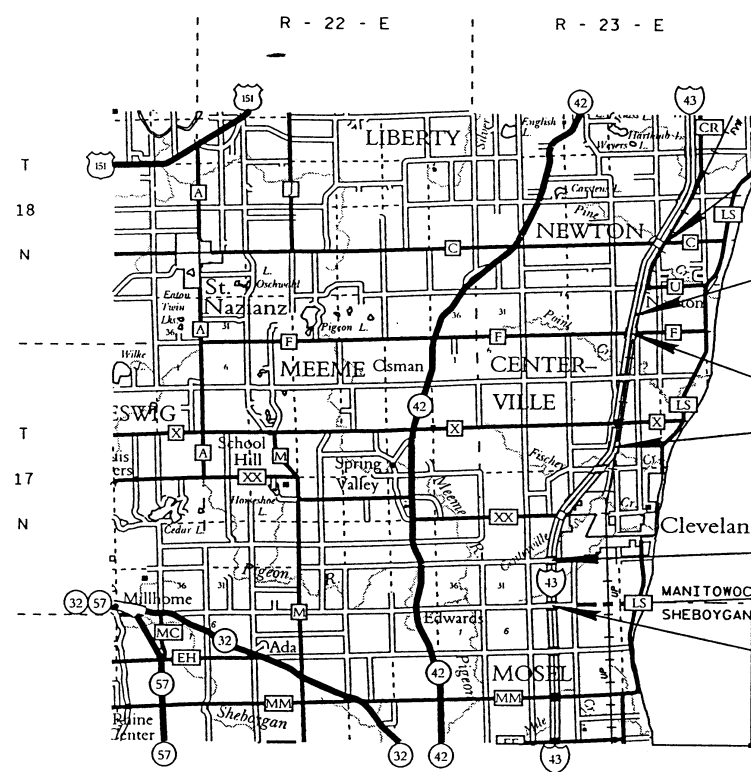
A.D.T. 1999	=	10 100 NB	10 800 SB
A.D.T. 2019	=	16 100 NB	17 100 SB
D.H.V.	=	2 238 NB	2 377 SB
D.	=	60/40	
T.	=	13.5%	
V.	=	100 km/h	
ESALS	=	9 256 400	

CONVENTIONAL SYMBOLS

COUNTY LINE	-----	COMBUSTIBLE FLUIDS	CAUTION
CORPORATE LIMITS	-----	UNDERGROUND UTILITIES	
PROPERTY LINE	-----	GAS	— G —
LOT LINE	-----	ELECTRIC	— E —
LIMITED EASEMENT	-----	TELEPHONE OR TELEGRAPH	— T —
EXISTING RIGHT OF WAY	-----	SERVICE PEDESTAL	⊕
PROPOSED OR NEW R/W LINE	-----	CABLE MARKER	P
SURVEY LINE	-----	POWER POLE	□
SLOPE INTERCEPT	-----	TELEPHONE POLE	⊕
ORIGINAL GROUND	-----	RAILROAD	⊕
MARSH OR ROCK PROFILE	-----	MARSH AREA	⊕
EXISTING CULVERT	-----	WOODED OR SHRUB AREA	⊕
PROPOSED CULVERT (Box or Pipe)	-----		
CULVERT (Profile View)	-----		

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
PLAN OF PROPOSED IMPROVEMENT
SOUTH COUNTY LINE - CTH C
IH 43
MANITOWOC COUNTY

STATE PROJECT NUMBER
1224-06-71



END PROJECT 1224-06-71
STA. 15+909.340 NB R
(END CONSTRUCTION STA 15+907 SB R)

EQUATION
STA 12+877.920 NB R AH=
STA 12+878.214 NB R BK

EXCEPTION TO NET & LENGTH
STA 8+702 TO 12+434 NB R

EXCEPTION TO NET & LENGTH
STA 3+500 TO 3+580 NB R

BEGIN PROJECT 1224-06-71
STA. 1+920.683 NB R
(BEGIN CONSTRUCTION STA 1+920.683 SB R)
X = 786,038 (± 60 m)
Y = 212,870 (± 60 m)

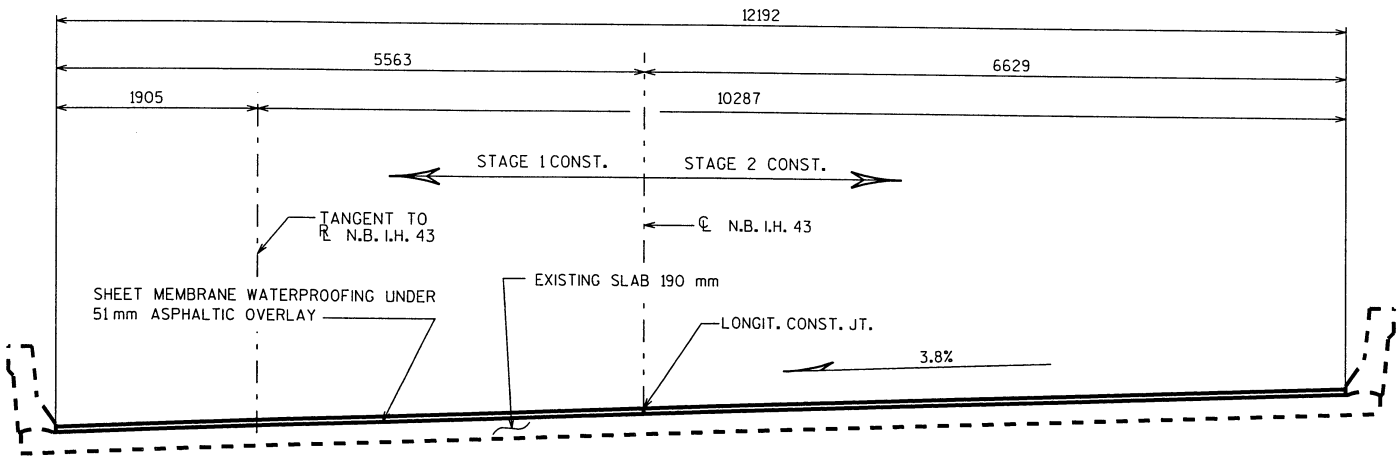
LAYOUT
SCALE 0 5 km

TOTAL NET LENGTH OF CENTERLINE = 10.177 km

COORDINATES ARE SCALED FROM USGS TOPOGRAPHIC MAP
CLEVELAND WEST, WISCONSIN QUADRANGLE, FOR IDENTIFICATION ONLY.
ALL COORDINATES ON THIS PLAN ARE REFERENCED TO
THE WISCONSIN COORDINATE SYSTEM SOUTH ZONE.

THIS PLAN IS SUBJECT TO FEDERAL OVERSIGHT

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION	
PREPARED BY	
Surveyor	_____
Designer	R. L. ROOYAKKERS
District Examiner	_____
District Supervisor	S. C. NOEL
Proj. Dev. Engineer	_____
C.O. Examiner	N.R. AFFELDT
APPROVED FOR DISTRICT OFFICE	
DATE: 6/29/00	(Signature)
AUTHORIZED FOR BUREAU OF HIGHWAY DEVELOPMENT	
DATE: 7/27/00	(Signature)



CROSS SECT. THRU RDWY.
LOOKING NORTH

LIST OF DRAWINGS
1. GENERAL PLAN

DESIGN DATA

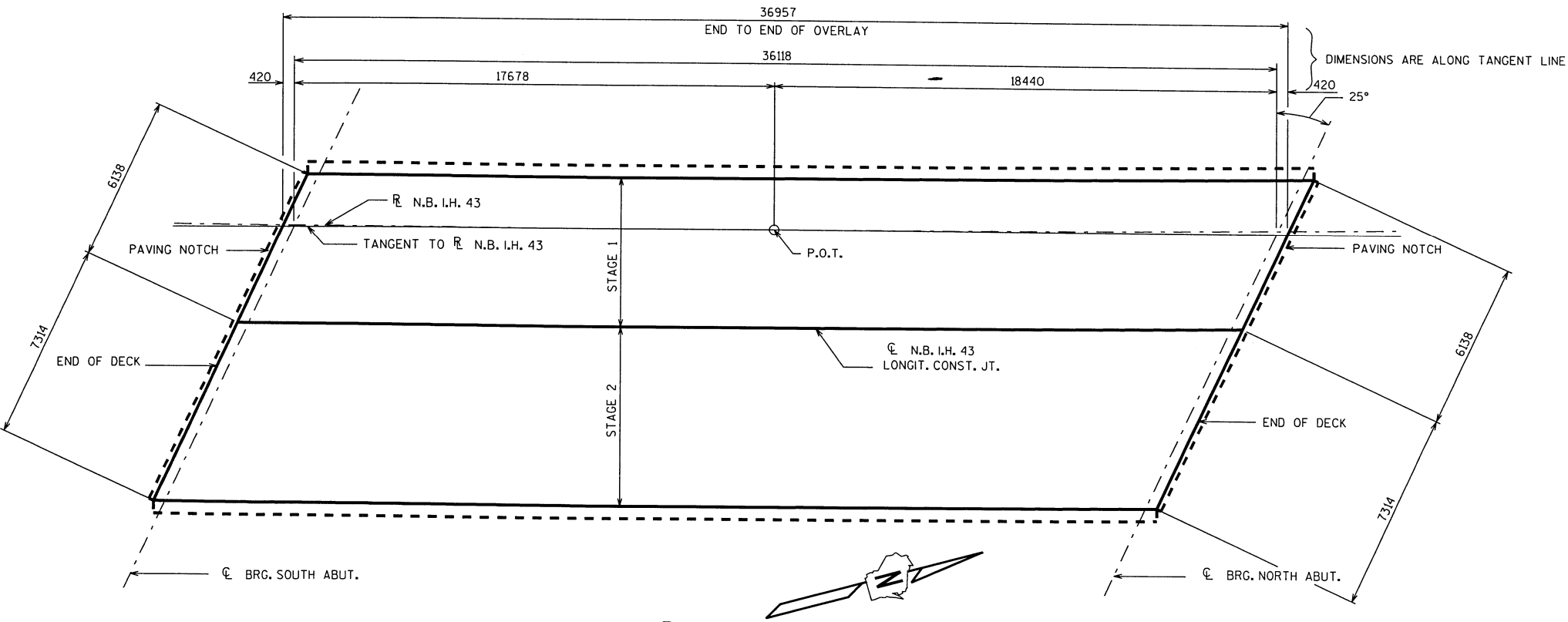
LIVE LOAD:
INVENTORY RATING: MS-19
OPERATIONAL RATING: MS-38
MAXIMUM STANDARD PERMIT VEHICLE LOAD = 1110 KN

ULTIMATE DESIGN STRESSES:
CONCRETE MASONRY SLAB $f'c = 28 \text{ MPa}$

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.
ALL DIMENSIONS MILLIMETERS (mm) UNLESS OTHERWISE NOTED.
DIMENSIONS SHOWN ARE BASED ON THE EXISTING ORIGINAL STRUCTURE PLANS.
EPOXY CRACK SEALING REQ'D. IN AREAS DIRECTED BY THE ENGINEER

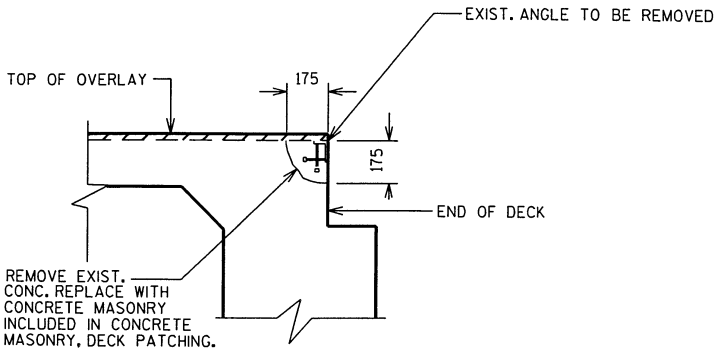
BRIDGE OFFICE CONTACT :
KENT BAHLER (608) 266-8490
JACK KLEMM (608) 266-5093



PLAN

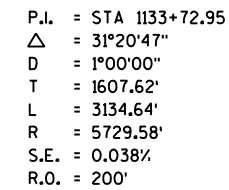
TOTAL ESTIMATED QUANTITIES

BID ITEMS	UNIT	TOTALS
SHEET MEMBRANE WATERPROOFING	m ²	450
ASPHALTIC CONCRETE PAVEMENT, SUPERPAVE	Mg	52
ASPHALTIC MATERIAL FOR PLANT MIXES	Mg	3
PREPARATION, DECKS TYPE 1	m ²	23
PREPARATION, DECKS TYPE 2	m ²	5
SAWING PAVEMENT, DECK PREPARATION AREAS	m	84
GROUTING BRIDGE DECKS	L.S.	1
CURB RESURFACING	m	74
CONCRETE MASONRY, DECK PATCHING	m ³	2
EPOXY CRACK SEALING	m	40



DETAIL AT ABUT.

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS			
STRUCTURE B-36-111			
INTERSTATE 43 OVER CEDAR VIEW RD.			
COUNTY	MANITOWOC	TOWN/CITY/VILLAGE	CENTERVILLE
DESIGN SPEC.	AASHTO 1996	LOAD	MS-18
DESIGNED BY	SDR	CONST. SPEC.	1996
DESIGN CK'D.	MGW	PLANS CK'D.	J.C.K.
DRAWN BY	G	DATE	08-03-00
APPROVED		CHIEF BRIDGE DESIGN ENGINEER	
GENERAL PLAN		SHEET 1 OF 1	
		DATE: JAN. 98	



PLAN



KRISTOFER OLSON
OMNI ASSOCIATES
(920) 735-6900

NO.	DATE	REVISION	BY
ORIGINAL PLANS PREPARED BY 			
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
ACCEPTED _____		_____	
CHIEF STRUCTURES DESIGN ENGINEER		DATE	
STRUCTURE B-36-111			
IH 43 NB OVER CEDAR VIEW ROAD			
COUNTY	TOWN		CENTERVILLE
COUNTY	MANITOWOC		
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

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

Bridge Data (used in this rating)

Bridge Number: B36-111	Section Loss(%): *
Feature Carried: IH 43 NB	SL Description: *
Rating Date: 07-Aug-2013	Overburden Depth(in): 2.0
Span Type: DECK GIRDER	Overburden Type: BITUMINOUS
Span Material: PREST CONCRETE	Last Inspection Date: 12-Sep-2011*

* Inspection data reflects last inspection prior to rating. Latest inspection is on 04-Sep-2013

Bridge Load Rating Summary

Rating Method: LFR	Rating Vehicle: HS20			
	Rating	Controlling Element	Controlling Location (ft)	Live Load Distribution Factor
Inventory:	HS17.1	DECK GIRDER Positive Moment	SPAN 1	1.33
Operating:	HS43.2	DECK GIRDER Positive Moment	SPAN 1	1.33

Wisconsin Standard Permit Vehicle (Wis-SPV)

	MVW (kips)	Controlling Element	Controlling Location (ft)	Live Load Distribution Factor
:				
:				

Posting Vehicle Type*	Vehicle GVW (kips)	Operating Rating (kips)	Controlling Element/Controlling Check	Controlling Location (ft)	Live Load Distribution Factor
WISSPV 250	0.0	210	DECK GIRDER Positive Moment	SPAN 1	1.33
WISSPV 250	0.0	267	DECK GIRDER Positive Moment	SPAN 1	1.04

* Posting Vehicle Analysis (Run only when HL-93 Operating RF <1.0 or when HS20 Operating RF <1.0)

Remarks/Recommendations:

	Load Rating Engineer
	Name: Dietsche, Joshua
	Date: 07-Aug-2013
	PE Stamp Here

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