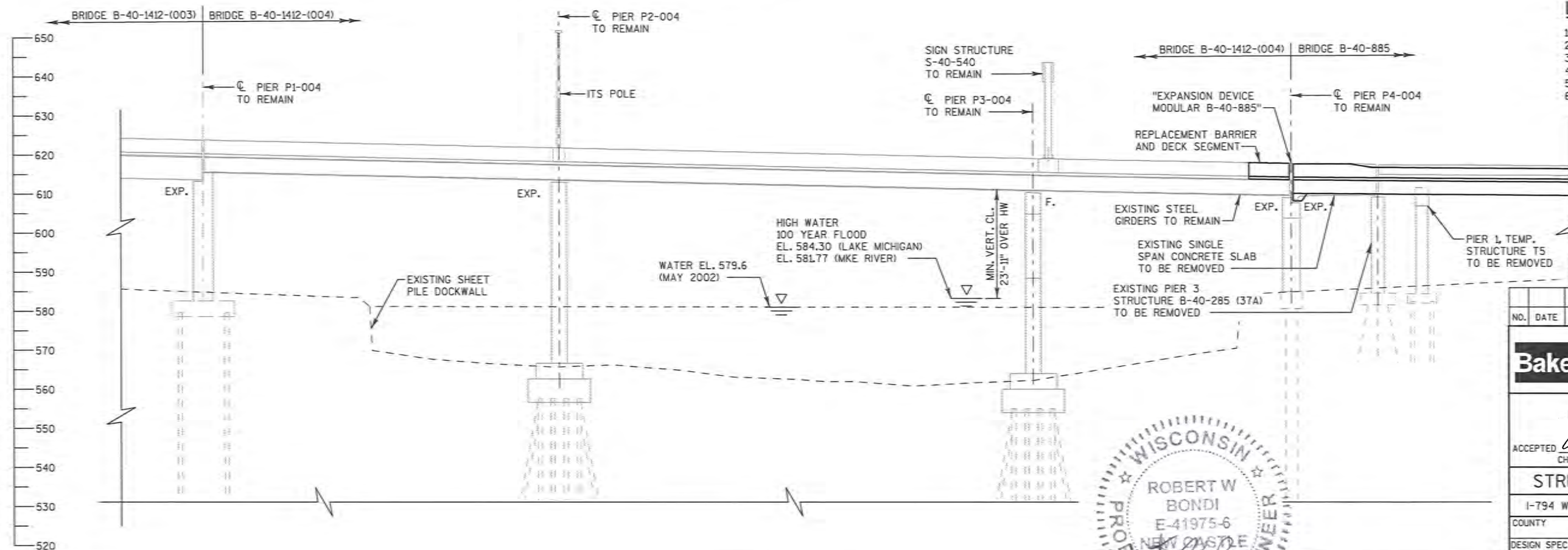


PLAN



ELEVATION

## LIST OF DRAWINGS

1. GENERAL PLAN AND ELEVATION
2. REMOVAL PLAN NOTES AND QUANTITIES
3. REMOVAL SECTIONS
4. CONSTRUCTION PLAN
5. DECK REINFORCEMENT
6. BILL OF BARS

## LEGEND

\* EXISTING SINGLE SPAN CONCRETE FLAT SLABS

NO.	DATE	REVISION	BY
<div style="display: flex; justify-content: space-between;"> <div> <b>Baker</b>  MICHAEL BAKER JR., INC.  7633 GANSEY WAY, SUITE 206,  MADISON, WI 53719 </div> <div> STATE OF WISCONSIN  DEPARTMENT OF TRANSPORTATION  ACCEPTED <i>William C. Dreher</i> <b>5/15/13</b>  CHIEF STRUCTURES DESIGN ENGINEER DATE </div> </div>			
<b>STRUCTURE B-40-1412-004</b> I-794 WB OVER MILWAUKEE RIVER COUNTY MILWAUKEE TOWN/CITY/VILLAGE MILWAUKEE DESIGN SPEC. AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS DESIGNED BY DESIGN CKD. DRAWN BY VJD PLANS CKD. SRA <b>GENERAL PLAN AND ELEVATION</b>			
			SHEET 1 OF 6

GENERAL NOTES

- DRAWINGS SHALL NOT BE SCALED.
- ALL STATIONS AND ELEVATIONS ARE IN FEET.
- THE FIRST OF A THREE DIGIT BAR MARK OR FIRST TWO DIGITS OF A FOUR DIGIT BAR MARK SIGNIFIES THE BAR SIZE.
- BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.
- DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.
- REUSE EXISTING BAR STEEL REINFORCEMENT WHERE SHOWN AND EXTEND 24 BAR DIAMETERS INTO NEW WORK, UNLESS SPECIFIED OTHERWISE.
- AFTER CONCRETE HAS BEEN REMOVED TO THE CUT LINES SHOWN IN THE PLANS, ALL LOOSE AND UNSOUND MATERIALS SHALL BE COMPLETELY REMOVED BY MECHANICAL OR HAND METHODS ACCEPTABLE TO THE ENGINEER. THE REMAINING SURFACES SHALL BE BLOWN FREE OF DUST AND LOOSE AGGREGATE PARTICLES WITH COMPRESSED AIR. THE AIR LINE MUST CONTAIN AN OIL TRAP TO PREVENT OIL FROM BEING DEPOSITED FROM THE COMPRESSOR. SURFACE DIRT ON THE AREAS ADJACENT TO THE CUT SURFACE SHALL BE REMOVED BY BLAST CLEANING. THE SURFACES PRESENTED AS A RESULT OF THIS REMOVAL SHALL BE REASONABLY TRUE AND EVEN, WITH SHARP, STRAIGHT CORNERS THAT WILL PERMIT CONSTRUCTING A NEAT AND WORKMANLIKE JOINT WITH THE NEW CONSTRUCTION OR BE SATISFACTORY FOR THE PURPOSE INTENDED.
- THE EXISTING TRANSVERSE DECK REINFORCEMENT BARS ARE TO EXTEND INTO THE NEW CONSTRUCTION AND SPLICED WITH NEW REINFORCEMENT AS SHOWN ON THE DRAWING. THE CONCRETE SHALL BE REMOVED SO AS TO LEAVE THE PROJECTING REINFORCING STEEL UNDAMAGED. REINFORCEMENT BARS TO BE INCORPORATED INTO NEW CONSTRUCTION SHALL BE BLAST CLEANED TO GRAY METAL. WHERE EXISTING REINFORCING STEEL IS NOT TO EXTEND INTO THE NEW CONSTRUCTION, THE REINFORCING STEEL SHALL BE CUT OFF FLUSH WITH THE SURFACE OF THE REMAINING PORTIONS.
- CARE SHALL BE EXERCISED TO PREVENT CUTTING, STRETCHING OR OTHERWISE DAMAGING EXISTING REINFORCING STEEL TO BE USED IN NEW CONSTRUCTION. REINFORCING BARS SO DAMAGED BY THE CONTRACTOR'S OPERATIONS SHALL BE SUPPLEMENTED BY NEW BARS SPLICED INTO PLACE OR BY EMBEDDED (DRILLED AND GROUTED) REINFORCING STEEL OR ANCHORAGE, EQUAL TO OR GREATER THAN THE ORIGINAL REINFORCING STEEL. SUCH SUPPLEMENTAL BARS OR ANCHORAGE SHALL BE FURNISHED AND PLACED BY THE CONTRACTOR AT NO ADDITIONAL COST AND WITHOUT CAUSE FOR THE CONTRACTOR CLAIMING DELAY.

LEGEND

- \* DIMENSION MEASURED NORMAL TO  $\perp$  PIER P4-004
- $\triangle$  LINE OF REMOVAL DEFINED BY 1/2" SAW CUT REMOVE TO THE LIMITS SHOWN IN SECTION B-B.
- $\blacktriangle$  LINE OF REMOVAL DEFINED BY 1/2" SAW CUT
- $\bullet$  FRONT FACE OF EXISTING PARAPET
- $\square$  LIMITS OF REMOVAL

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HS-25

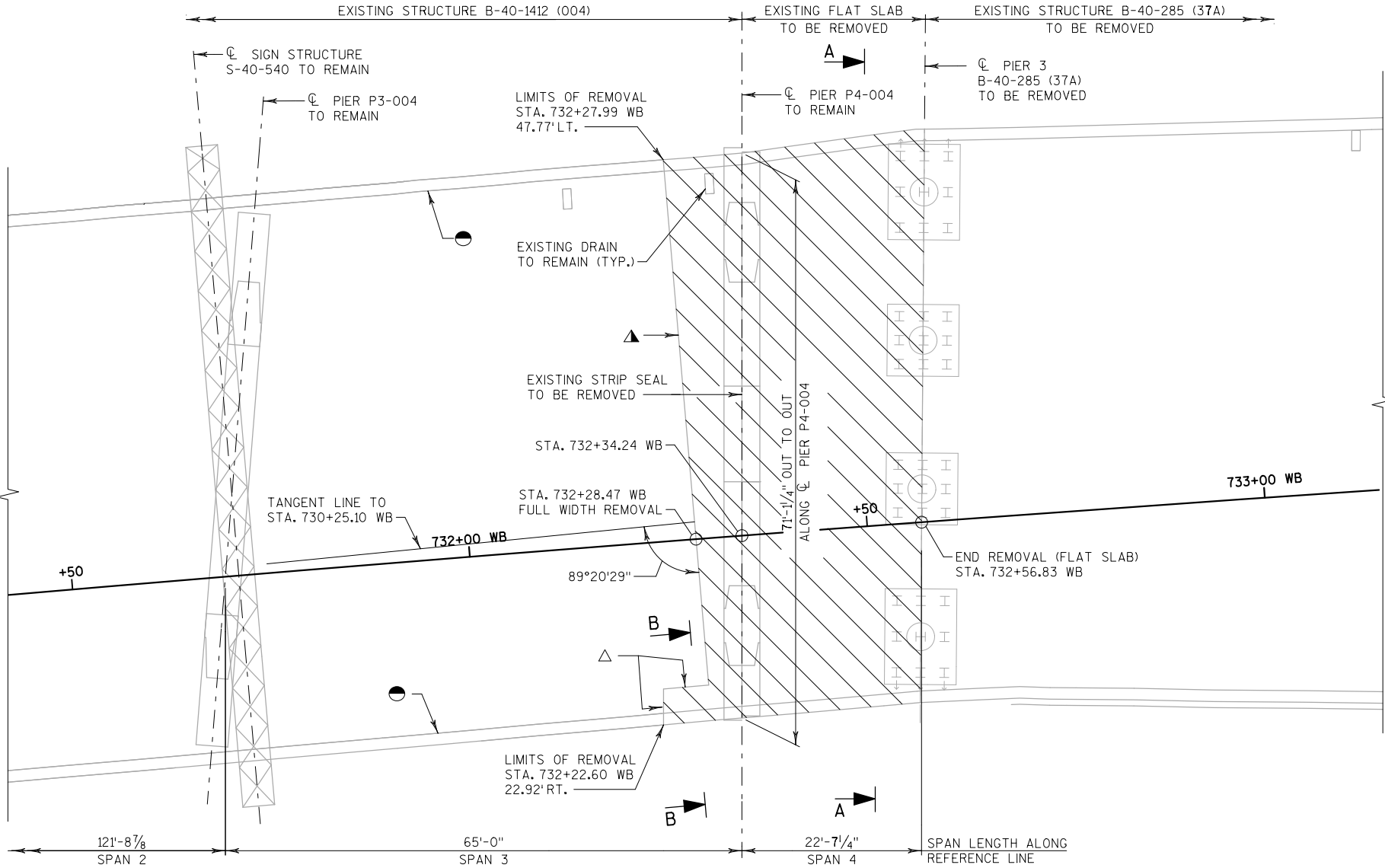
ULTIMATE DESIGN STRESSES (NEW WORK):

CONCRETE MASONRY  
SUPERSTRUCTURE.....f'c = 4,000 P.S.I.

BAR STEEL REINFORCEMENT  
HIGH STRENGTH  
AASHTO M31 GRADE 60.....fy = 60,000 P.S.I.

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE B-40-1412-004			
DRAWN BY VJD		PLANS CK'D. SRA	
REMOVAL PLAN NOTES AND QUANTITIES		SHEET 2 OF 6	

FILE=  
SCALE =



REMOVAL PLAN

ESTIMATED QUANTITIES

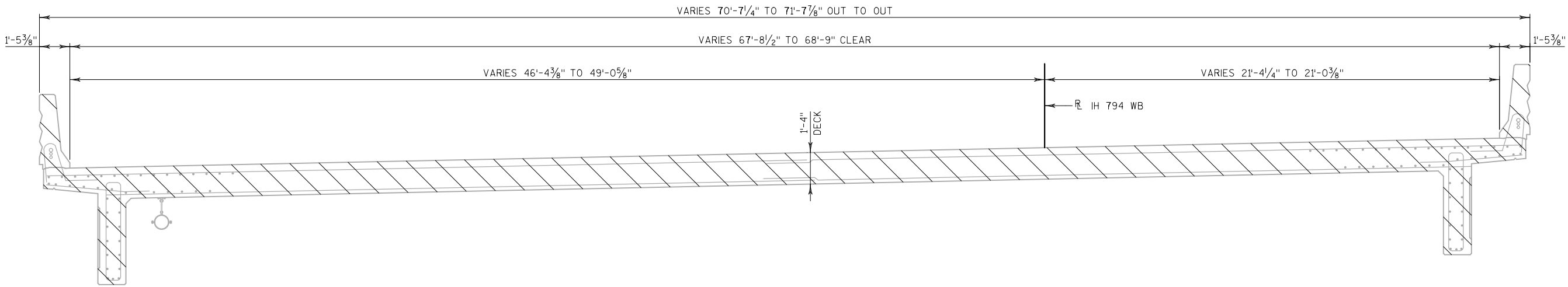
ITEM NO.	BID ITEMS	UNIT	SUPER
203.0600.S.5098	REMOVING OLD STRUCTURE OVER WATERWAY WITH MINIMAL DEBRIS, STATION 732+35WB	LS	1
502.0100	CONCRETE MASONRY BRIDGES	CY	19
502.3200	PROTECTIVE SURFACE TREATMENT	SY	64
505.0605	BAR STEEL REINFORCEMENT HS COATED BRIDGES	LB	3,695
652.0225	CONDUIT RIGID NONMETALLIC SCHEDULE 40 2-INCH	LF	20
653.0222	JUNCTION BOXES 18X12X6-INCH	EACH	2
SPV.0165.5007	CONCRETE STAINING B-40-1412 SPECIAL	SF	133

THE FOLLOWING PROJECT WIDE WORK IS INCLUDED ON THIS STRUCTURE BUT NOT SPECIFICALLY CALLED OUT AS PART OF THE PAY ITEMS FOR THIS UNIT;

ABATEMENT OF ASBESTOS CONTAINING MATERIAL PROJECT 1300-13-70  
DEBRIS CONTAINMENT PROJECT 1300-13-70

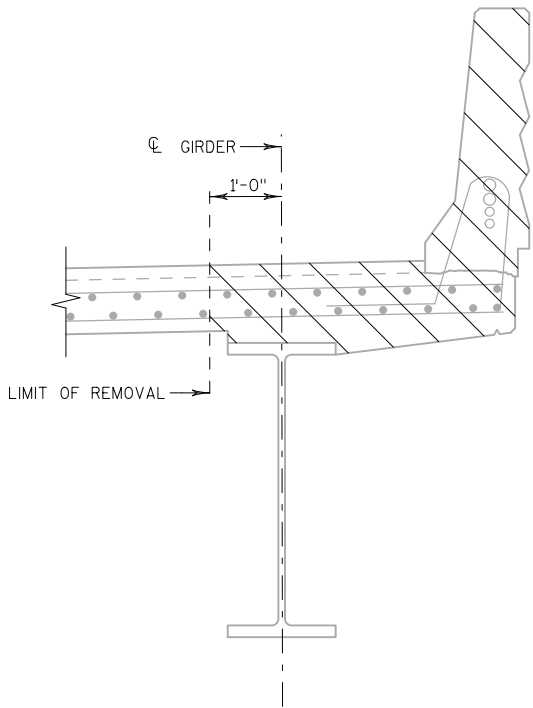
NOTES

FOR SECTIONS A-A AND B-B SEE SHEET 3



SECTION A-A SINGLE SPAN REMOVAL CROSS SECTION

STA. 732+34.24 WB TO STA. 732+56.83 WB  
NOTE: DIMENSIONS MEASURED NORMAL TO R WB

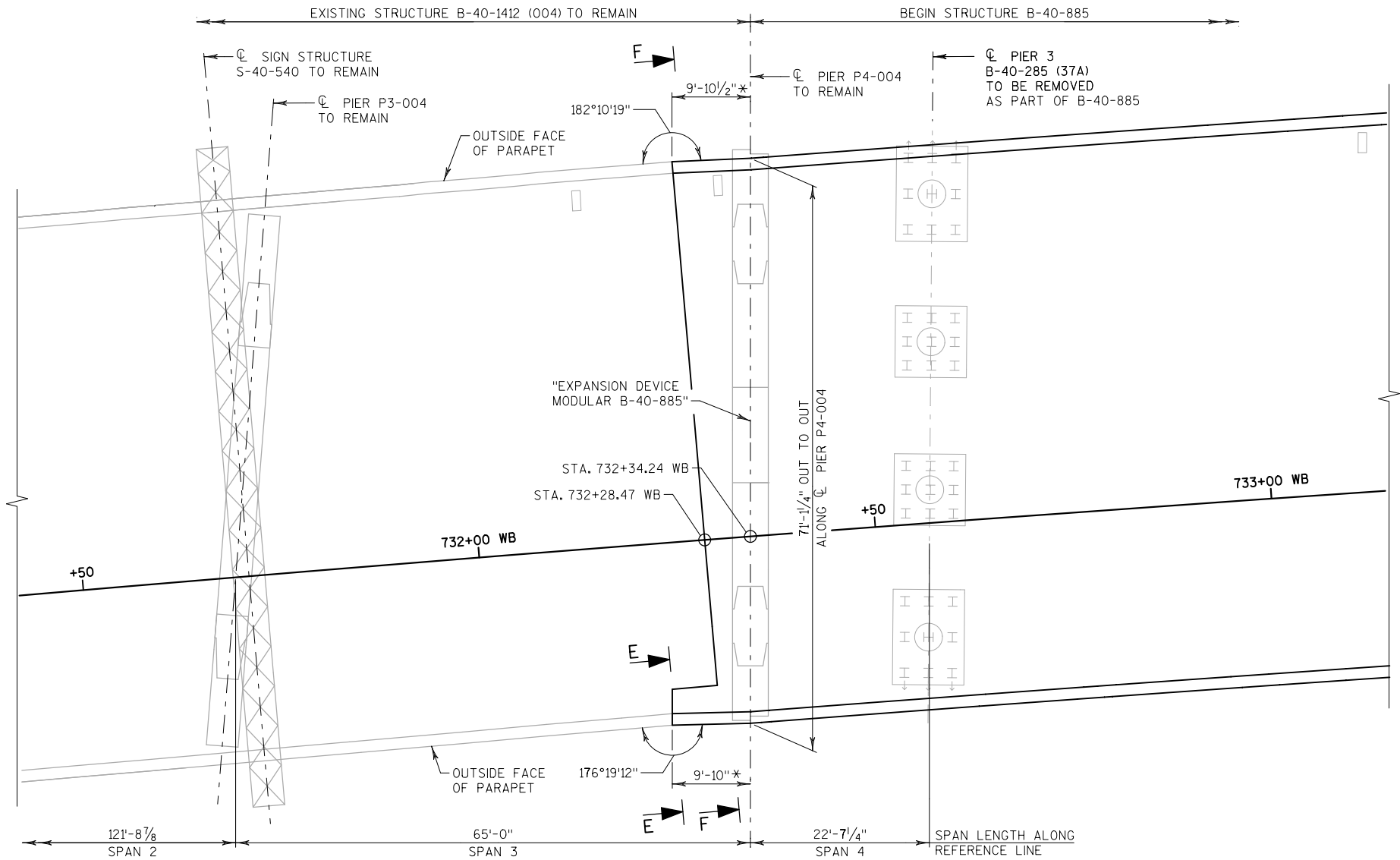


SECTION B-B

LEGEND

- \* DIMENSION MEASURED NORMAL TO EXTERIOR GIRDER
- INDICATES REMOVAL AREA

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE B-40-1412-004			
DRAWN BY VJD		PLANS CK'D. SRA	
REMOVAL SECTIONS			SHEET 3 OF 6



CONSTRUCTION PLAN

NOTES

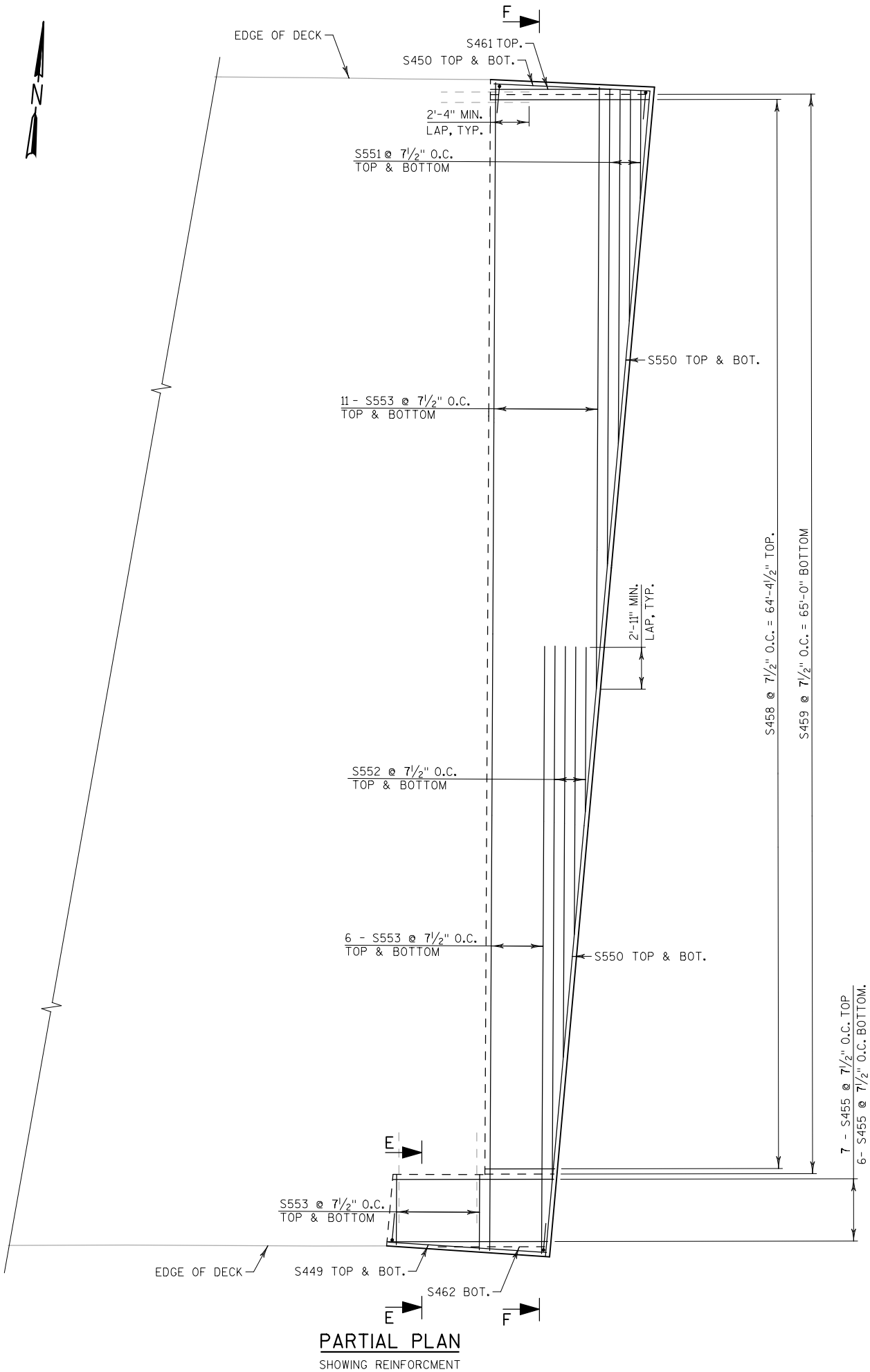
1. FOR SECTIONS E-E AND F-F, SEE SHEET 5.

LEGEND

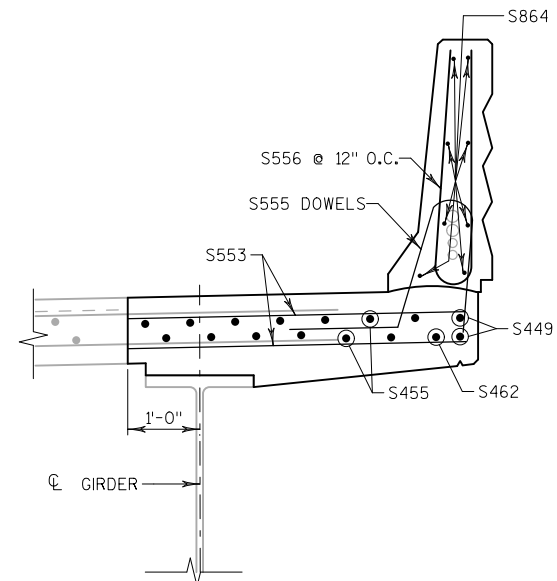
\* DIMENSION MEASURED NORMAL TO CL PIER P4-004

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE B-40-1412-004			
DRAWN BY VJD		PLANS CK'D. SRA	
CONSTRUCTION PLAN		SHEET 4 OF 6	

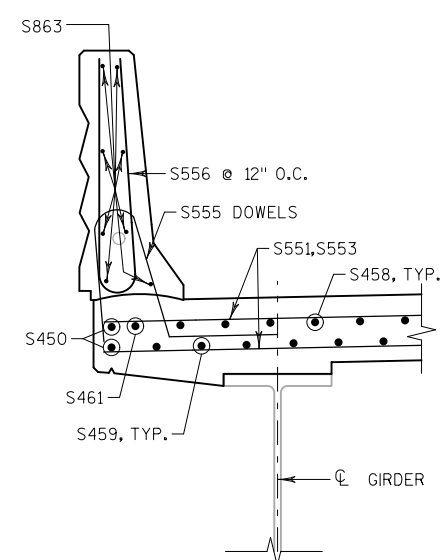
FILE= SCALE =



**PARTIAL PLAN**  
SHOWING REINFORCEMENT



**SECTION E-E**  
SHOWING REINFORCEMENT



**SECTION F-F**  
SHOWING REINFORCEMENT

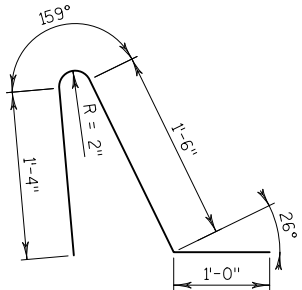
NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE B-40-1412-004			
DRAWN BY VJD		PLANS CK'D. SRA	
DECK REINFORCEMENT		SHEET 5 OF 6	

SUPERSTRUCTURE BILL OF BARS						COATED: 4308 LBS UNCOATED: 0 LBS
MARK	COATED	NO REQ'D	LENGTH	BAR SERIES	BENT	LOCATION
T504	X	8	10'-4"			END DIAPHRAGM HORIZONTAL
T511	X	2	5'-7"		X	END DIAPHRAGM VERTICAL
S449	X	2	9'-6"			SOUTH EDGE OF DECK LONGITUDINAL TOP & BOT.
S550	X	4	36'-10"			END OF DECK TOP & BOT.
S551	X	8	17'-8"	X		TRANSVERSE END OF DECK NORTH
S552	X	8	20'-9"	X		TRANSVERSE END OF DECK SOUTH
S553	X	34	36'-10"			TRANSVERSE FULL WIDTH
S554	X	18	4'-4"	X		TRANSVERSE SOUTH OVERHANG TOP & BOT.
S455	X	13	9'-7"			SOUTH OVERHANG LONGITUDINAL TOP & BOT.
S556	X	30	4'-3"		X	PARAPET DOWELS
S557	X	30	6'-6"		X	PARAPET STIRRUPS
S458	X	104	6'-11"	X		FULL WIDTH LONGITUDINAL TOP
S459	X	105	6'-11"	X		FULL WIDTH LONGITUDINAL BOT.
S460	X	2	9'-1"			NORTH EDGE OF DECK TOP & BOT.
S461	X	1	7'-3"			LONGITUDINAL NORTH FLARE
S462	X	1	5'-3"			LONGITUDINAL SOUTH FLARE
S863	X	8	9'-6"			PARAPET NORTH LONGITUDINAL
S864	X	8	9'-6"			PARAPET SOUTH LONGITUDINAL

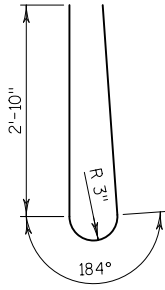
△ LENGTH SHOWN FOR BAR IS AN AVERAGE LENGTH AND SHOULD ONLY BE USED FOR BAR WEIGHT CALCULATIONS. SEE BAR SERIES TABLE FOR ACTUAL LENGTHS.

BAR SERIES TABLE		
MARK	NO. REQ'D	LENGTH
S551	2 SERIES OF 4	8'-8" TO 28'-9"
S552	2 SERIES OF 4	9'-7" TO 3'-13"
S554	2 SERIES OF 9	4'-2" TO 4'-5"
S458	1 SERIES OF 104	4'-2" TO 9'-7"
S459	1 SERIES OF 105	4'-1" TO 9'-7"

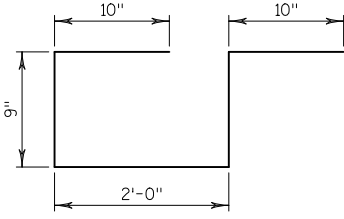
BUNDLE AND TAG SEPARATELY



S555



S556



T511

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE B-40-1412-004			
DRAWN BY VJD		PLANS CK'D. SRA	
BILL OF BARS		SHEET 6 OF 6	