

DESIGN DATA

LIVE LOAD: _____
 DESIGN LOADING _____ HS20
 INVENTORY RATING _____ HSXX
 OPERATING RATING _____ HSXX
 WISCONSIN STANDARD PERMIT _____
 VEHICLE (WIS-SPV) _____ XXX KIPS

MATERIAL PROPERTIES:

CONCRETE SUPERSTRUCTURE _____ $f'_c = 4,000$ PSI
 HIGH STRENGTH BAR STEEL _____
 REINFORCEMENT (GRADE 60) _____ $f_y = 60,000$ PSI

TRAFFIC DATA

CTH PP/INDIANA AVE.
 A.D.T. (2041) = 9,600
 DESIGN SPEED = 50 MPH

LEGEND

* MEASURED RADIALLY

(X) INDICATES WING NUMBER.

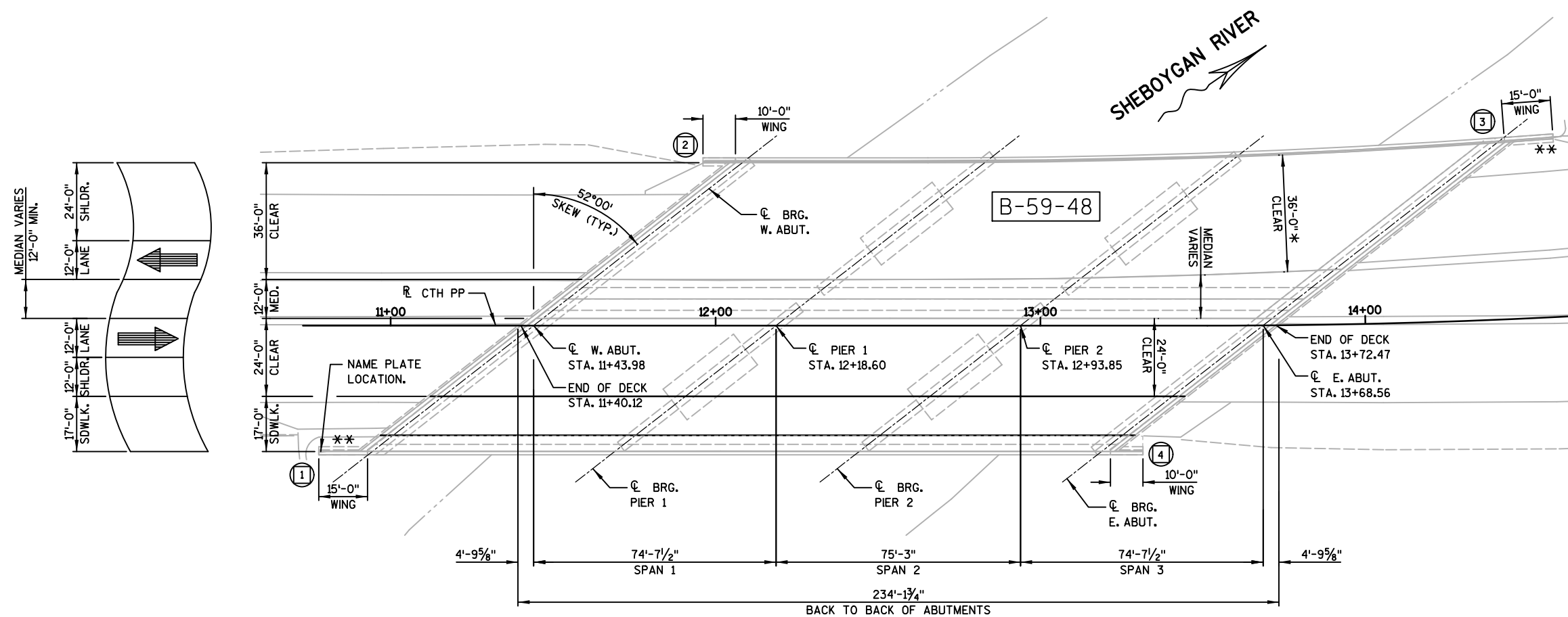
** BEAM GUARD ATTACHED TO PARAPET. COORDINATE PARAPET CLEANING, SURFACE REPAIRS, AND SEALING WORK AFTER EXISTING BEAM GUARD IS REMOVED AND BEFORE NEW BEAM GUARD IS ATTACHED.

LIST OF DRAWINGS

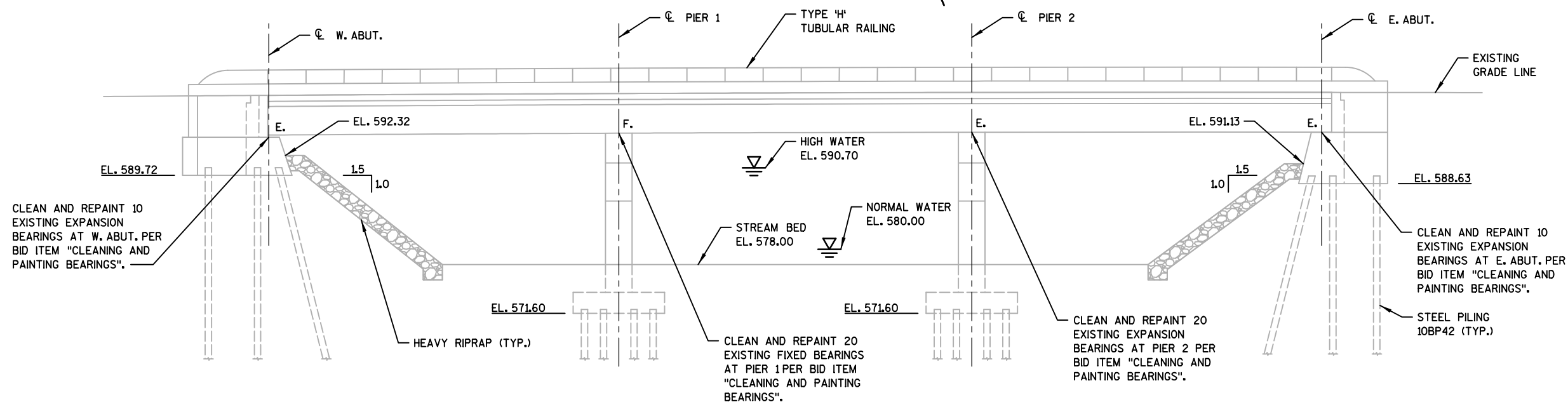
1. GENERAL PLAN & CROSS SECTION
2. GENERAL NOTES & QUANTITIES
3. CONSTRUCTION STAGING

STRUCTURE DESIGN CONTACTS


BRIDGE OFFICE CONTACT:
 WILLIAM DREHER (608) 266-8489
 DESIGN CONSULTANT CONTACT:
 KEITH BEHREND (608) 251-4843



PLAN
 (EXISTING 3-SPAN 45" PRESTRESSED GIRDER STRUCTURE)



ELEVATION
 (NORMAL TO SUBSTRUCTURE UNITS)

NO.	DATE	REVISION	BY
		910 WEST WINGRA DRIVE MADISON, WISCONSIN 53715 (608)-251-4843 (608) 251-8655 FAX WWW.STRAND.COM	
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
ACCEPTED _____		_____ DATE _____	
CHIEF STRUCTURES DESIGN ENGINEER			
STRUCTURE B-59-48			
CTH PP/INDIANA AVE. OVER SHEBOYGAN RIVER			
COUNTY SHEBOYGAN		TOWN/CITY/VILLAGE SHEBOYGAN	
DESIGN SPEC. REHABILITATION N/A			
DESIGNED BY	EJC	DESIGN CK'D.	KRB
DRAWN BY	DTH	PLANS CK'D.	KRB
GENERAL PLAN & CROSS SECTION			SHEET 1 OF

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEMS	W. ABUT	PIER 1	PIER 2	E. ABUT.	SUPERSTRUCTURE	TOTAL	UNIT
203.0210.S	ABATEMENT OF ASBESTOS CONTAINING MATERIAL B-59-48	---	---	---	---	---	1	LS
502.0100	CONCRETE MASONRY BRIDGES	---	---	---	---	---	0	CY
502.0717.S	CRACK SEALING EPOXY	---	---	---	---	---	0	LF
502.3200	PROTECTIVE SURFACE TREATMENT	---	---	---	---	---	0	SY
502.3210	PIGMENTED SURFACE SEALER	---	---	---	---	---	0	SY
509.1200	CURB REPAIR	---	---	---	---	590	590	LF
509.1500	CONCRETE SURFACE REPAIR	5	---	---	5	430	440	SF
509.9020.S	EPOXY CRACK SEALING	18	---	---	12	---	30	LF
509.9050.S	CLEANING PARAPETS	---	---	---	---	516	516	LF
513.9005.S	REMOVING AND RESETTING TUBULAR RAILING	---	---	---	---	---	1	LS
SPV.0035.XX	CONCRETE SURFACE REPAIR CORROSION INHIBITING ADMIXTURE	---	---	---	---	---	0	CY
SPV.0060.XX	CLEANING AND PAINTING BEARINGS	10	20	20	10	---	60	EACH
SPV.0060.XX	STRIP SEAL GLAND REPLACEMENT	---	---	---	---	2	2	EACH
SPV.0105.XX	STEEL EXPANSION JOINT COVER PLATE REPAIRS	---	---	---	---	---	1	LS
NON-BID ITEMS								
	FILLER	---	---	---	---	---	1/2", 3/4"	SIZE

STATE PROJECT NUMBER

4291-02-71

LEGEND

- ☒

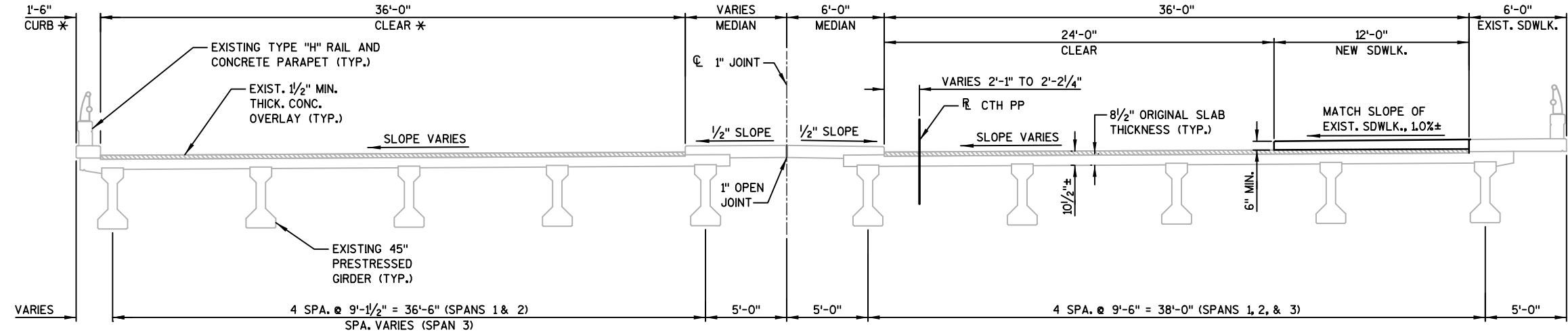
"CLEANING PARAPETS" LIMITS.
- ▲

"PIGMENTED SURFACE SEALER" LIMITS. APPLY PIGMENTED SURFACE SEALER TO TOP, ROADWAY, AND END FACES OF PARAPETS AFTER WORK IS COMPLETED FOR "CLEANING PARAPETS" AND "CONCRETE SURFACE REPAIR" BID ITEMS.
- ⊗

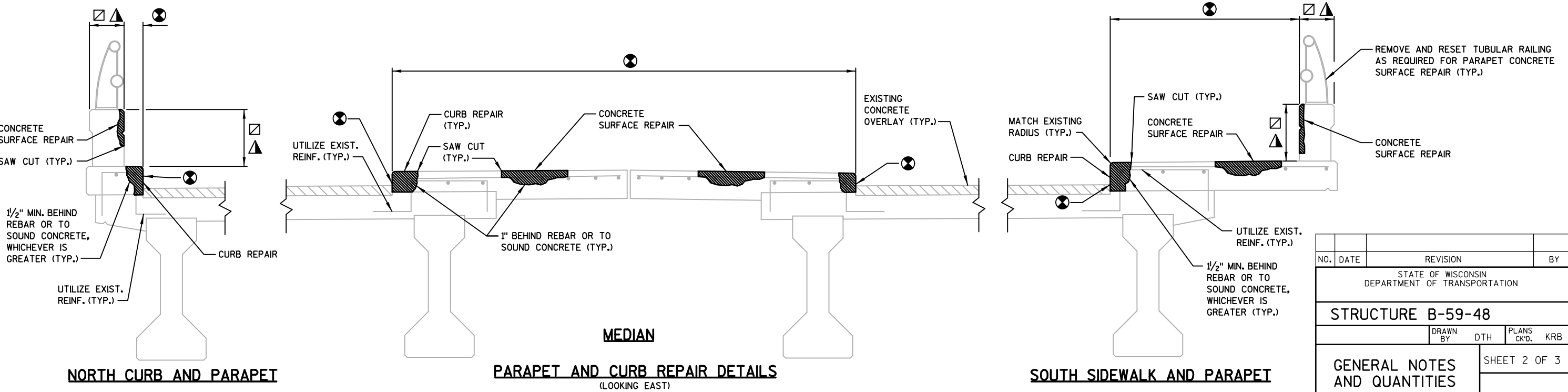
"PROTECTIVE SURFACE TREATMENT" LIMITS. APPLY PROTECTIVE SURFACE TREATMENT TO TOP AND ROADWAY FACES OF CURB, MEDIAN AND SIDEWALK AFTER WORK IS COMPLETED FOR "CONCRETE SURFACE REPAIR" AND "CURB REPAIR" BID ITEMS.

GENERAL NOTES

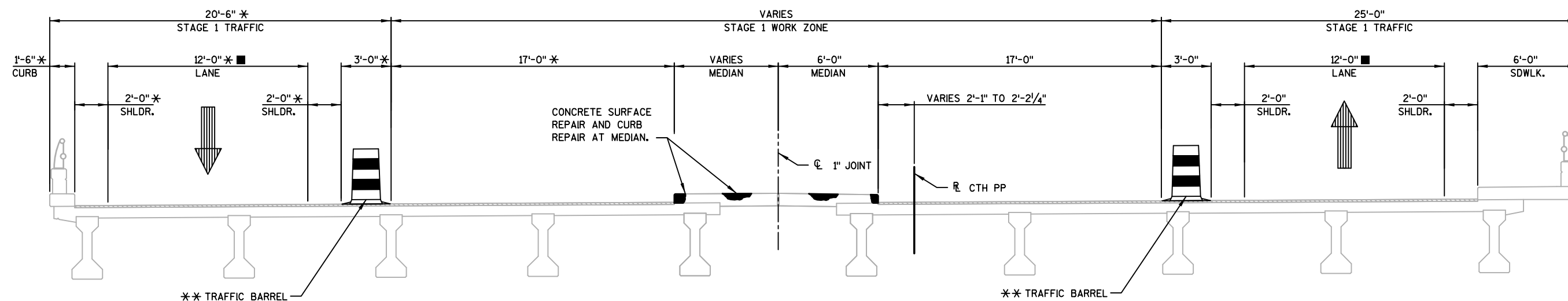
- THE PROPOSED WORK INCLUDES CLEANING AND REPAINTING ALL BEARINGS, STRIP SEAL COVER PLATE REPAIRS, SEALING SURFACE CRACKS IN EXISTING CONCRETE OVERLAY, CONCRETE SURFACE REPAIR AT PARAPETS, SIDEWALK, AND CURBS, EPOXY CRACK SEALING AT CRACKS IN SUBSTRUCTURE UNITS, AND STRIP SEAL EXPANSION JOINT GLAND REPLACEMENT AT ABUTMENTS.
- DRAWINGS SHALL NOT BE SCALED.
- DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS AND SUBSEQUENT REHABILITATION PLANS.
- ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED. ALL STATIONS ARE IN FEET.
- ALL CONCRETE REMOVAL SHALL BE DEFINED BY A 1-INCH DEEP SAW CUT.
- UTILIZE EXISTING BAR STEEL REINFORCEMENT WHERE SHOWN AND EXTEND 24 BAR DIAMETERS INTO NEW WORK, UNLESS SPECIFIED OTHERWISE.
- AT "CURB REPAIR" EXPOSE EXISTING REINFORCEMENT A MINIMUM OF 1/2".
- THE CONCRETE REQUIRED FOR "CURB REPAIR" IS INCLUDED IN THE QUANTITY FOR "CONCRETE MASONRY BRIDGES."
- CLEAN AND FILL EXISTING LONGITUDINAL AND TRANSVERSE CRACKS IN EXISTING CONCRETE OVERLAY WITH PENETRATING EPOXY AS DIRECTED BY THE FIELD ENGINEER.
- PARAPETS SHALL BE CLEANED PER "CLEANING PARAPETS" BID ITEM.
- PERFORM CONCRETE SURFACE REPAIR AS DIRECTED BY THE FIELD ENGINEER. QUANTITY SHOWN IS APPROXIMATE.
- ANY EXCAVATION REQUIRED TO COMPLETE THE CONCRETE SURFACE REPAIRS AT THE ABUTMENTS IS TO BE CONSIDERED INCIDENTAL TO THE BID ITEM "CONCRETE SURFACE REPAIR."
- BEVEL ALL EXPOSED EDGES OF NEW CONCRETE 3/4" UNLESS OTHERWISE NOTED.
- AFTER CLEANING, BEARINGS SHALL BE PAINTED AMS STANDARD COLOR NO. 26293 (LIGHT GRAY).



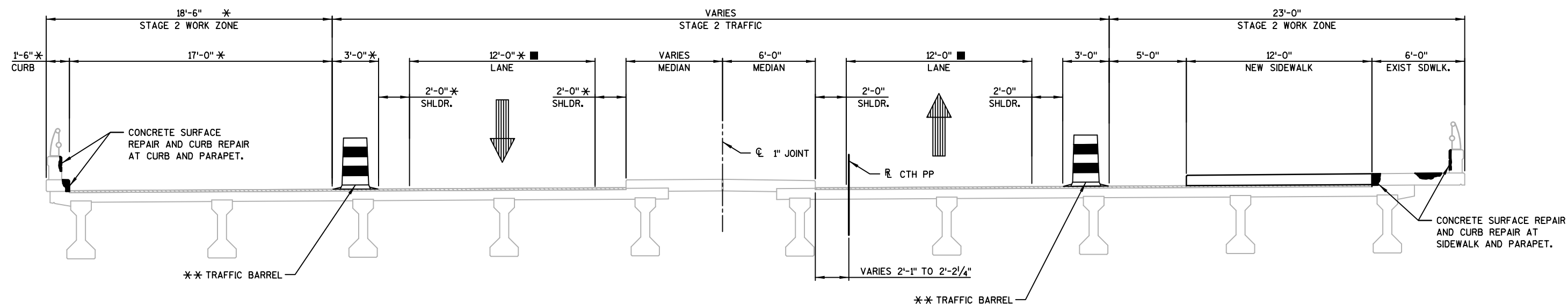
CROSS SECTION
(LOOKING EAST)



NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE B-59-48			
DRAWN BY		OTH	PLANS CK'D. KRB
GENERAL NOTES AND QUANTITIES			SHEET 2 OF 3

**STAGE 1**

(LOOKING EAST)

**STAGE 2**

(LOOKING EAST)

NOTES

SEE ROADWAY PLANS FOR ADDITIONAL STAGING INFORMATION

LEGEND

* MEASURED RADIALLY.

** SEE ROADWAY PLANS FOR ADDITIONAL INFORMATION.

■ TEMPORARILY REDUCE LANE WIDTH TO 10'-0", AS REQUIRED, TO PERFORM "CRACK SEALING EPOXY" OPERATIONS ON EXISTING CONCRETE DECK.

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE B-59-48			
DRAWN BY		DTH	PLANS CK'D. KRB
CONSTRUCTION STAGING			SHEET 3 OF 3