

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

CONCRETE SUPERSTRUCTURE _____ $f'_c = 4,000$ PSI
 CONCRETE SUBSTRUCTURE _____ $f'_c = 3,500$ PSI
 CONCRETE MASONRY OVERLAY DECKS _____ $f'_c = 4,000$ PSI
 HIGH STRENGTH BAR STEEL _____
 REINFORCEMENT (GRADE 60) _____ $f_y = 60,000$ PSI

USH 53
A.D.T. (2023) = 6,374
DESIGN SPEED = 80 MPH

20TH ST.
A.D.T. (2015) = 300
DESIGN SPEED = 60 MPH

* LOCATION OF ANCHOR ASSEMBLIES FOR THRIE BEAM ATTACHMENT.

(X) DENOTES WINGWALL NUMBER.

▲ MIN. VERTICAL CLEARANCE TAKEN FROM HSI SITE.


1. GENERAL PLAN
2. CROSS SECTIONS & QUANTITIES
3. CONSTRUCTION STAGING

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



BM NO.	COORDINATES	DESCRIPTION	ELEV.
BM 1	Y: 62,128.59 X: 354,745.03	NW CORNER BRIDGE DECK B-3-24 (CTH D)	1065.33
BM 2	Y: 61,303.85 X: 355,782.67	NW CORNER BRIDGE DECK B-3-20 (CHETEK RIVER)	1043.96
BM 3	Y: 66,181.31 X: 349955.75	NW CORNER BRIDGE DECK B-3-26 (KNAPP STREET)	1077.68

NOTE: BENCH MARKS ARE OUTSIDE OF PLAN EXTENTS. SEE ROADWAY PLANS FOR ADDITIONAL INFORMATION.

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		
<h1>STRUCTURE B-3-30</h1>				
USH 53 SB OVER 20TH ST.				
COUNTY		TOWN/CITY/VILLAGE		
BARRON		PRAIRIE LAKE		
DESIGN SPEC. REHABILITATION N/A				
DESIGNED BY	EJC	DESIGN CK'D.	BMO	
DRAWN BY		DTH	PLANS CK'D.	BMO
<h2>GENERAL PLAN</h2>			SHEET 1 OF	

THE PROPOSED WORK INCLUDES REMOVING EXISTING CONCRETE OVERLAY, PLACING A NEW CONCRETE OVERLAY, JOINT REPLACEMENT AT SOUTH ABUTMENT, CONCRETE SURFACE REPAIR AT ABUTMENTS AND PARAPETS, GIRDER END REPAIR, EPOXY SEALING GIRDER ENDS AND TOP OF S. ABUT., CLEANING PARAPETS, CLEANING/REPAINTING OR REPLACING BEARINGS, AND REPLACING UPPER WINGWALLS.

(X) DENOTES GIRDER NUMBER

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE B-3-30			
DRAWN BY		DTH	PLANS CK'D. BMO
CROSS SECTION AND QUANTITIES		SHEET 2 OF 3	



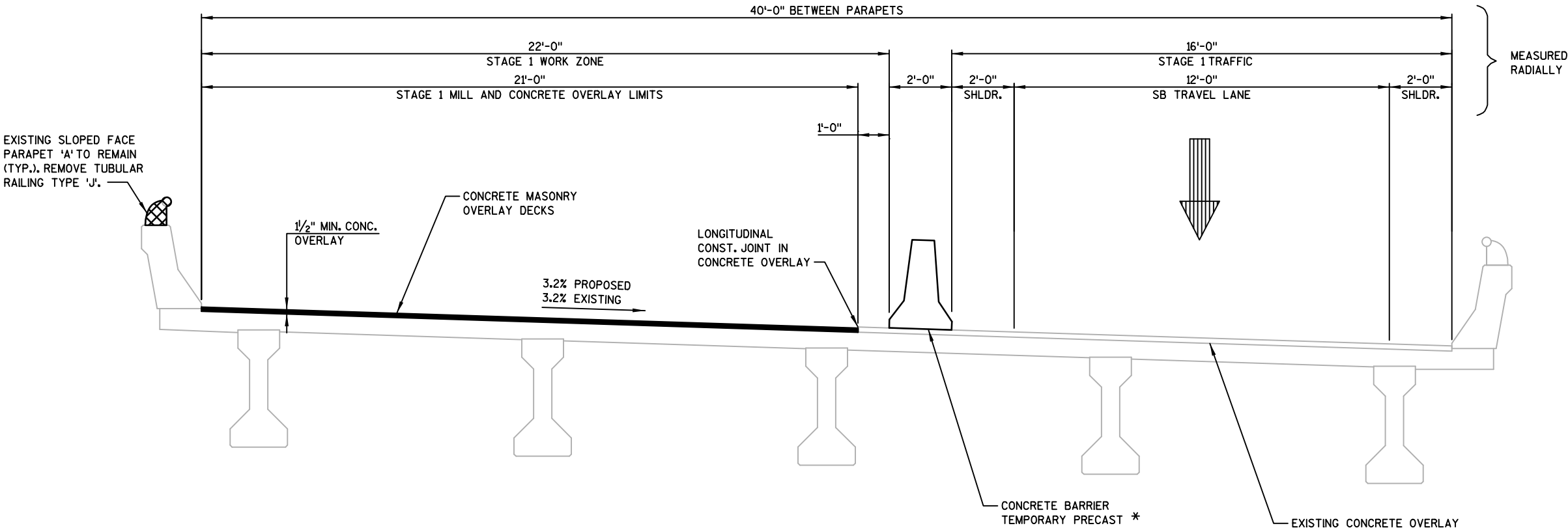
BID ITEM NUMBER	BID ITEMS	S. ABUT	N. ABUT.	SUPERSTRUCTURE	TOTAL	UNIT
203.0200	REMOVING OLD STRUCTURE STA. 797+50 SB	---	---	---	1	LS
203.0210.S	ABATEMENT OF ASBESTOS CONTAINING MATERIALS B-3-30	---	---	---	1	LS
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-3-30	---	---	---	1	LS
210.1500	BACKFILL STRUCTURE TYPE A	---	---	---	0	TON
502.0100	CONCRETE MASONRY BRIDGES	---	---	---	0	CY
502.0717.S	CRACK SEALING EPOXY	---	---	---	0	LF
502.3101	EXPANSION DEVICE B-3-30	---	---	---	0	LF
502.3200	PROTECTIVE SURFACE TREATMENT	---	---	---	0	SY
502.3210	PIGMENTED SURFACE SEALER	---	---	---	0	SY
502.4205	ADHESIVE ANCHORS NO. 5 BAR	---	---	---	0	EACH
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	---	---	---	0	LB
506.6000	BEARING ASSEMBLIES EXPANSION B-3-30	2	---	---	2	EACH
506.7050.S	REMOVING BEARINGS B-3-30	2	---	---	2	EACH
509.0301	PREPARATION DECKS TYPE 1	---	---	---	125	SY
509.0302	PREPARATION DECKS TYPE 2	---	---	---	60	SY
509.0505.S	CLEANING DECKS TO REAPPLY CONCRETE MASONRY OVERLAY	---	---	---	0	SY
509.1000	JOINT REPAIR	---	---	---	0	SY
509.1500	CONCRETE SURFACE REPAIR	5	5	150	160	SF
509.2000	FULL-DEPTH DECK REPAIR	---	---	---	10	SY
509.2500	CONCRETE MASONRY OVERLAY DECKS	---	---	---	0	CY
509.9005.S	REMOVING CONCRETE MASONRY DECK OVERLAY B-3-30	---	---	---	0	SY
509.9050.S	CLEANING PARAPETS	---	---	---	0	LF
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	---	---	---	0	SY
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	---	---	---	0	EACH
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	---	---	---	0	SY
SPV.0060.XX	CLEANING AND PAINTING BEARINGS	3	---	---	3	EACH
SPV.0180.XX	EPOXY SEALER	---	---	---	0	SY
	NON-BID ITEMS					
	FILLER	---	---	---	1/2", 3/4"	SIZE

NOTES

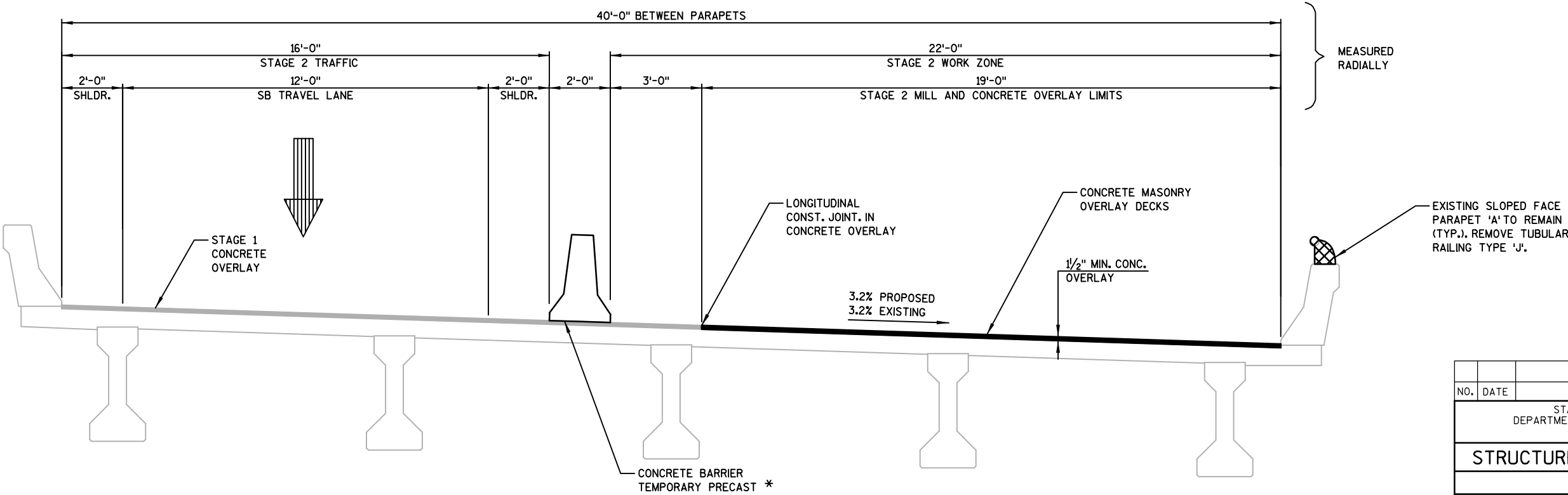
SEE ROADWAY PLANS FOR ADDITIONAL STAGING INFORMATION.

LEGEND

* SEE ROADWAY PLANS FOR ADDITIONAL INFORMATION.



STAGE 1
(LOOKING NORTH)



STAGE 2
(LOOKING NORTH)

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE B-3-30			
DRAWN BY		DTH	PLANS CK'D. BMO
CONSTRUCTION STAGING		SHEET 3 OF 3	