

DESIGN DATA

LIVE LOAD:

DESIGN LOADING _____ HS-20
INVENTORY RATING FACTOR _____ HS
OPERATING RATING FACTOR _____ HS
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV) _____ 190 KIPS

MATERIAL PROPERTIES:

CONCRETE MASONRY, OVERLAY DECKS _____ $f'_c = 4,000$ P.S.I.
ALL OTHER _____ $f'_c = 3,500$ P.S.I.
HIGH-STRENGTH BAR STEEL _____
REINFORCEMENT, GRADE 60 _____ $f_y = 60,000$ P.S.I.

TRAFFIC DATA

A.D.T. (2021) _____ 11,340
A.D.T. (2041) _____ 11,340
DESIGN SPEED _____ 45 M.P.H.

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ON THE PLANS ARE BASED ON THE ORIGINAL STRUCTURE PLANS, INSPECTION REPORTS, AND FIELD SURVEY.

A MINIMUM OF 1" OF CONCRETE SHALL BE REMOVED FROM THE ENTIRE BRIDGE DECK UNDER THE BID ITEM "CLEANING DECKS".

ANY EXCAVATION REQUIRED TO COMPLETE THE OVERLAY AT ABUTMENTS IS INCIDENTAL TO THE BID ITEM "CONCRETE MASONRY OVERLAY DECKS".

PROFILE GRADE LINE SHALL BE DETERMINED BASED ON A MINIMUM CONCRETE OVERLAY THICKNESS OF 1½" PLACED ABOVE THE CONCRETE DECK SURFACE AFTER CLEANING. EXPECTED AVERAGE CONCRETE OVERLAY THICKNESS IS 1½". IF THE EXPECTED AVERAGE CONCRETE OVERLAY THICKNESS IS EXCEEDED BY MORE THAN ½" CONTACT THE BRIDGE DESIGN SECTION.

PREPARATION DECKS TYPE 1, PREPARATION DECKS TYPE 2, AND FULL DEPTH DECK REPAIR AREAS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD, AND SHALL BE FILLED WITH "CONCRETE MASONRY OVERLAY DECKS".

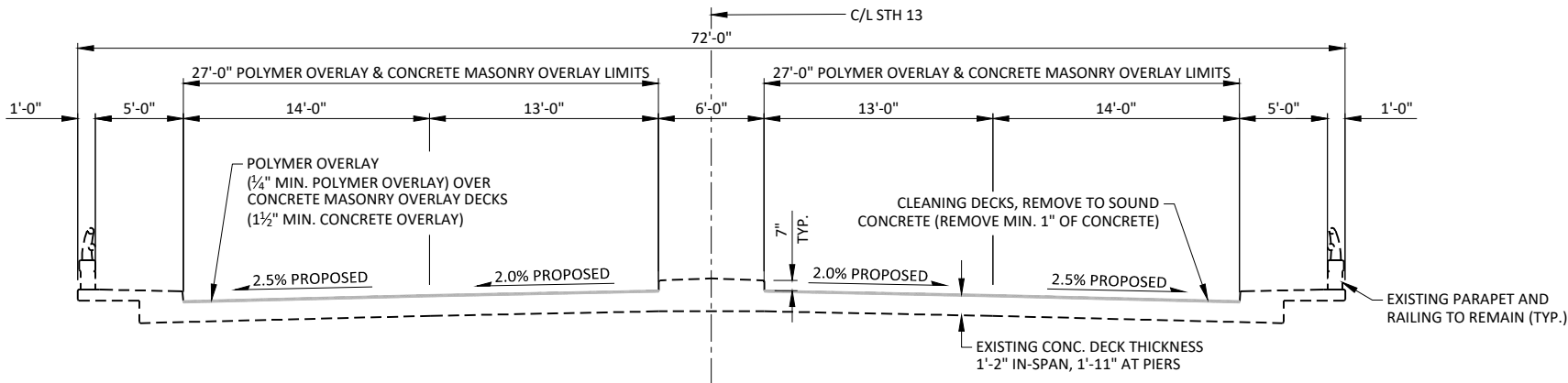
AT "CURB REPAIR" EXPOSE EXISTING REINFORCEMENT A MINIMUM OF 1" CLEAR.

ALL CONCRETE REMOVAL NOT COVERED WITH A CONCRETE OVERLAY SHALL BE DEFINED BY A 1" DEEP SAW CUT.

TOP OF EXISTING CONCRETE DECK ELEVATIONS SHALL BE DETERMINED FROM A FIELD SURVEY AT LOCATIONS DEEMED NECESSARY FOR ESTABLISHING OVERLAY THICKNESS FOR ACCURATE RATINGS AND POINT OF MINIMUM THICKNESS.

LIST OF DRAWINGS

GENERAL PLAN _____ 1.



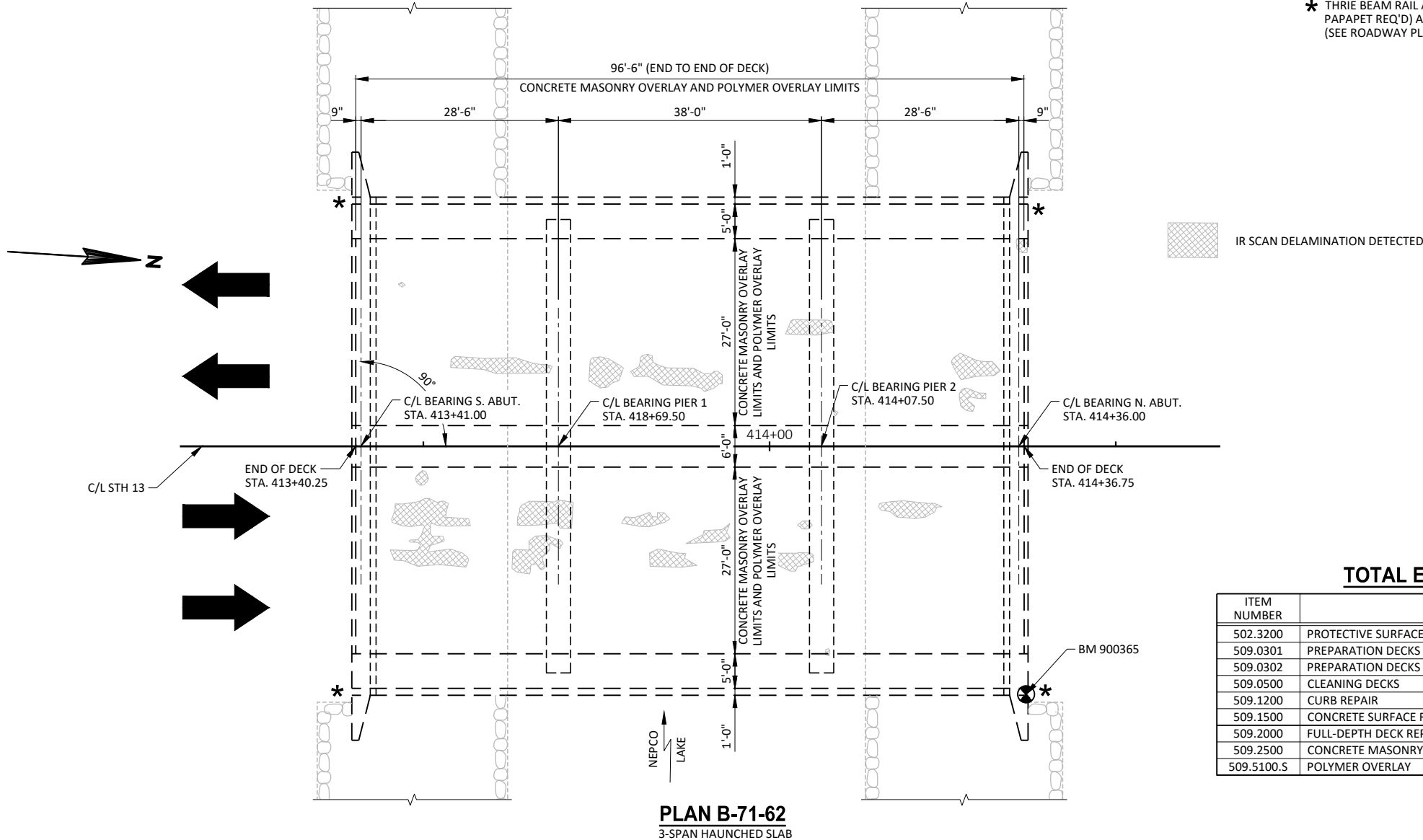
CROSS-SECTION THROUGH ROADWAY

LOOKING NORTH

BENCH MARKS

NO.	STA.	DESCRIPTION	ELEV.
900365	414+42.78	DISK IN CONCRETE, 35.9' RT.	982.44

* THRIE BEAM RAIL ATTACHMENT (DRILLING THROUGH PAPAPET REQ'D) AND SURFACE DRAIN REPLACEMENT REQ'D (SEE ROADWAY PLANS)



PLAN B-71-62

3-SPAN HAUNCHED SLAB

TOTAL ESTIMATED QUANTITIES

ITEM NUMBER	ITEM DESCRIPTION	UNIT	TOTALS
502.3200	PROTECTIVE SURFACE TREATMENT	SY	--
509.0301	PREPARATION DECKS TYPE 1	SY	--
509.0302	PREPARATION DECKS TYPE 2	SY	--
509.0500	CLEANING DECKS	SY	--
509.1200	CURB REPAIR	LF	--
509.1500	CONCRETE SURFACE REPAIR	SY	--
509.2000	FULL-DEPTH DECK REPAIR	SY	--
509.2500	CONCRETE MASONRY OVERLAY DECKS	CY	--
509.5100.S	POLYMER OVERLAY	SY	--

DESIGN CONSULTANT

ROBERT HANOLD, PE
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BRIDGE OFFICE CONTACT

WILLIAM DREHER, PE
(608) 266-8489

NO.	DATE	REVISION	BY
JEWELL associates engineers, inc. Engineers - Architects - Surveyors			
560 SUNRISE DRIVE SPRING GREEN, WI 53588 OFFICE: (608) 588-7484 www.jewellassoc.com			
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
ACCEPTED _____ CHIEF STRUCTURES DESIGN ENGINEER _____ DATE _____			
STRUCTURE B-71-62			
STH 13 OVER NEPCO LAKE			
COUNTY	WOOD	TOWNSHIP/VILLAGE	PORT EDWARDS
DESIGN SPEC. REHABILITATION N/A			
DESIGNED BY	DESIGN CK'D.	DRAWN BY	PLANS CK'D.
		RBH	PTB
GENERAL PLAN			SHEET 1 OF 1