

⑧ WING NUMBER



DESIGN LOADING:..... HS-20
INVENTORY RATING:..... HS-XX
OPERATING RATING:..... HS-XX
WISCONSIN STANDARD
PERMIT VEHICLE (WIS-SPV)..... XXX KIPS

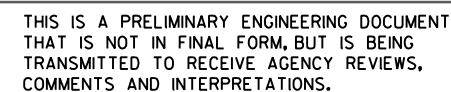
CONCRETE MASONRY SUPERSTRUCTURE....f'c = 4,000 PSI
ALL OTHERS.....f'c = 3,500 PSI

HIGH STRENGTH BAR STEEL
REINFORCEMENT (GRADE 60)..... $f_y = 60,000$ PSI


1. DECK REPLACEMENT
2. REPLACE STRIP SEAL EXPANSION JOINTS AT ABUTMENTS.
3. REPLACE ABUTMENT BEARINGS
4. REPAIR CONCRETE SURFACES AT ABUTMENTS, WINGS, PIERS, AND OTHER LOCATIONS AS DIRECTED BY THE FIELD ENGINEER.
5. PAINT EXPOSED STEEL SURFACES UNDERNEATH BRIDGE DECK
6. RESEAL CRUSHED AGGREGATE SLOPE PAVING

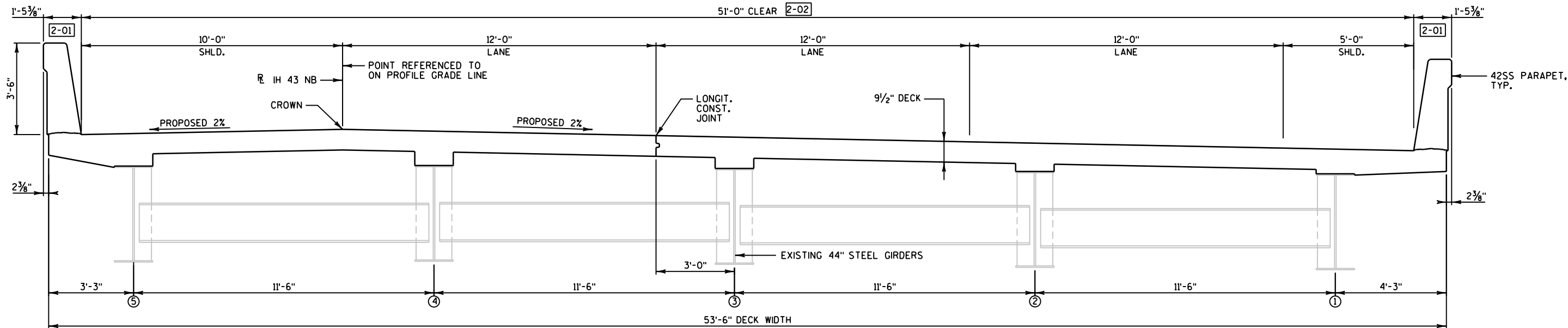
IH 43
A.D.T. (2039) = 30,700
R.D.S. = 70 MPH

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



SE REGION CONTACT:
DEAN FILTZ (414) 750-2014
BUREAU OF STRUCTURES:
WILLIAM DREHER (608) 266-8489
CONSULTANT:
KEVIN WOOD (414) 259-1500

NO.		DATE		REVISION		BY	
				One Honey Creek Corporate Center 125 South 94th Street, Suite 401 Milwaukee, WI 53214-1470 414 / 259 1500 414 / 259 0037 fax www.graef-usa.com			
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION							
ACCEPTED _____ CHIEF STRUCTURES DESIGN ENGINEER _____ DATE _____							
STRUCTURE B-64-64							
IH 43 NB OVER USH 12							
COUNTY WALWORTH				TOWN/CITY/VILLAGE LAFAYETTE			
DESIGN SPEC. REHABILITATION N/A							
DESIGNED BY RPB		DESIGN CK'D. KGW		DRAWN BY		PLANS CK'D. KGW	
GENERAL PLAN & ELEVATION						SHEET 1 OF 3	



PROPOSED FINAL SECTION THRU B-64-64
(LOOKING NORTH)

BENCH MARKS			
NO.	STATION	DESCRIPTION	ELEV.

TOTAL ESTIMATED QUANTITIES

ITEM NUMBER	BID - ITEM	UNIT	N ABUT	S ABUT	PIER 1	PIER 2	PIER 3	SUPER	TOTAL
203.0200	REMOVING OLD STRUCTURES STA. 922+47, 40' RT	LS	-	-	-	-	-	-	1
203.0210.S	ABATEMENT OF ASBESTOS CONTAINING MATERIAL B-64-64	LS	-	-	-	-	-	-	1
203.0225.S	DEBRIS CONTAINMENT B-64-64	LS	-	-	-	-	-	-	1
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-64-64	LS	-	-	-	-	-	-	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	-	-	-	-	-	-	-
502.0100	CONCRETE MASONRY BRIDGES	CY	-	-	-	-	-	-	-
502.3100	EXPANSION DEVICE B-64-64	LS	-	-	-	-	-	-	1
502.3200	PROTECTIVE SURFACE TREATMENT	SY	-	-	-	-	-	-	-
502.3210	PIGMENTED SURFACE SEALER	SY	-	-	-	-	-	-	-
502.4205	ADHESIVE ANCHORS NO. 5 BAR	EACH	-	-	-	-	-	-	-
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	-	-	-	-	-	-	-
505.0904	BAR COUPLERS NO. 4	EACH	-	-	-	-	-	-	-
505.0905	BAR COUPLERS NO. 5	EACH	-	-	-	-	-	-	-
506.2610	BEARING PADS ELASTOMERIC LAMINATED	EACH	-	-	-	-	-	-	-
506.7050.S	REMOVING BEARINGS B-64-64	EACH	-	-	-	-	-	-	-
509.1500	CONCRETE SURFACE REPAIR	SF	-	-	-	-	-	-	-
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	-	-	-	-	-	-	-
517.0900.S	PREPARATION AND COATING OF TOP FLANGES B-64-64	LS	-	-	-	-	-	-	1
517.1800.S	STRUCTURE REPAINTING RECYCLED ABRASIVE B-64-64	LS	-	-	-	-	-	-	1
517.4500.S	NEGATIVE PRESSURE CONTAINMENT AND COLLECTION OF WASTE MATERIALS B-64-64	LS	-	-	-	-	-	-	1
517.6001.S	PORTABLE DECONTAMINATION FACILITY	EACH	-	-	-	-	-	-	-
604.9010.S	SLOPE PAVING REPAIR CRUSHED AGGREGATE	SY	-	-	-	-	-	-	-
604.9015.S	RESEAL CRUSHED AGGREGATE SLOPE PAVING	SY	-	-	-	-	-	-	-
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH	-	-	-	-	-	-	-
NON-BID ITEMS									
	NAME PLATE	EACH							1
	BRIDGE SEAT PROTECTION	LS							1

FOR INFORMATIONAL PURPOSES ONLY: APPROXIMATELY 23,429 SF OF STRUCTURAL STEEL. SEE GENERAL NOTES.
ALL ITEMS ARE CATEGORY XXXX

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

THE FIRST OR FIRST TWO DIGITS OF THE BAR MARK INDICATE THE BAR SIZE.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS.
ALL CONCRETE REMOVAL SHALL BE DEFINED WITH A 1" DEEP SAW CUT.

UTILIZE EXISTING BAR STEEL REINFORCEMENT WHERE SHOWN AND EXTEND 24 BAR DIAMETERS INTO NEW WORK, UNLESS SPECIFIED OTHERWISE.

EXPANSION JOINT ASSEMBLY, INCLUDING ANCHOR STUDS AND HARDWARE, SHALL BE PAID FOR IN THE LUMP SUM PRICE BID AS "EXPANSION DEVICE B-64-64".

"PROTECTIVE SURFACE TREATMENT" SHALL BE APPLIED TO THE ENTIRE TOP SURFACE OF THE NEW CONCRETE DECK.

"PIGMENTED SURFACE SEALER" TO BE APPLIED TO THE TOP AND INSIDE FACE OF PARAPET, INCLUDING PARAPETS ON WINGWALLS.

CONCRETE SURFACE REPAIR AS DIRECTED BY THE FIELD ENGINEER. QUANTITIES SHOWN ON PLANS ARE APPROXIMATE.

BEVEL ALL EXPOSED CONCRETE EDGES 3/4" UNLESS OTHERWISE NOTED.

ALL STATIONS AND ELEVATIONS ARE IN FEET. ELEVATIONS ARE REFERENCED TO THE NAVD 88 2012 DATUM.

ROADWAY ALIGNMENT PROVIDED BY WISDOT SE REGION. STRUCTURE STATIONING PROPOSED IS BASED ON ORIGINAL STRUCTURE PLAN DIMENSIONS.

THE CONTRACTOR SHALL SUPPLY A NEW NAME PLATE IN ACCORDANCE WITH SECTION 502.3.11 OF THE STANDARD SPECIFICATIONS AND THE STANDARD DETAIL DRAWINGS. NAME PLATE TO SHOW ORIGINAL CONSTRUCTION YEAR OF 1969.

THE PAD LOCATED UNDERNEATH THE ALUMINUM RAILING AT THE PARAPET TESTED POSITIVE FOR ASBESTOS GREATER THAN 1%. THIS MATERIAL IS TO BE REMOVED AND PAID FOR UNDER THE BID ITEM "ABATEMENT OF ASBESTOS CONTAINING MATERIALS B-64-64".

APPLY BRIDGE SEAT PROTECTION, AS PER SECTION 502.3.12 OF THE STANDARD SPECIFICATION, TO THE TOP SURFACES OF THE ABUTMENTS BELOW EXPANSION DEVICES.

VERTICAL CLEARANCES ARE BASED ON THE INSPECTION REPORT.

ALL DETAILS, MATERIALS AND FABRICATION SHALL CONFORM TO THE CURRENT EDITION OF THE STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION OF THE STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION.

PROFILE GRADE LINE IH 43 NB

GENERAL NOTES (CONTINUED)

MATERIALS, EQUIPMENT, ETC., SHALL NOT BE STOCKPILED OR STORED ON THE BRIDGE DECK WITHOUT PRIOR APPROVAL FROM THE ENGINEER.

SLOPE PAVING REPAIRS SHALL BE MADE ONLY AS DIRECTED BY THE ENGINEER.

CONCRETE SUPERSTRUCTURE QUANTITY INCLUDES VOLUME OF CONCRETE FOR AVERAGE ESTIMATED HAUNCH & OVERHANG TRIANGULAR AREA.

CLEAN AND PAINT ALL EXPOSED STEEL SURFACES UNDERNEATH THE BRIDGE DECK. THE SURFACES INCLUDE GIRDERS, BEARINGS, AND CROSS FRAMES. PAINT COLOR TO BE FEDERAL COLOR NO. XXXXX.

THE EXISTING STRUCTURE, B-64-64, IS A 4-SPAN STEEL DECK GIRDER BRIDGE WITH AN OVERALL WIDTH OF 54'-0" AND AN OVERALL LENGTH OF 341'-10 1/2" (BACK-TO-BACK OF ABUTMENTS). THE DECK AND PARAPETS ARE TO BE REPLACED.

VARIATIONS TO THE PROFILE GRADE LINE OVER 1/4" MUST BE SUBMITTED BY THE FIELD ENGINEER TO THE STRUCTURES DESIGN SECTION FOR REVIEW.

THE EXISTING ROADWAY SHALL BE THE UPPER LIMITS OF EXCAVATION FOR STRUCTURES.

THE TOP LAYER OF BAR REINFORCEMENT IN THE DECK SHALL BE PLACED WITH 2 1/2 INCHES OF CLEAR COVER.

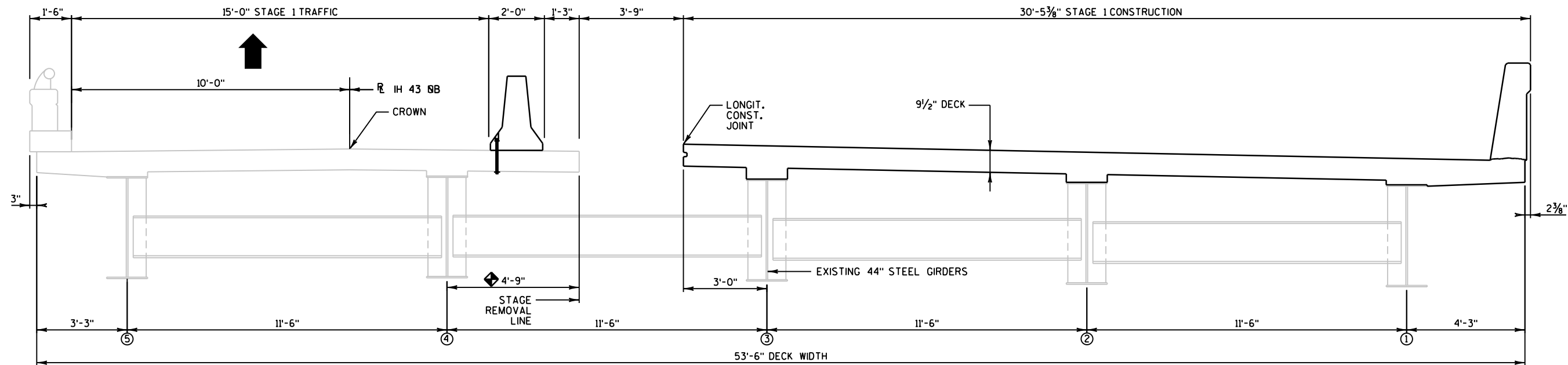
AT THE BACKFACE OF THE ABUTMENT ALL VOLUME WHICH CANNOT BE PLACED BEFORE ABUTMENT CONSTRUCTION AND IS NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH BACKFILL STRUCTURE TYPE A.

LEGEND

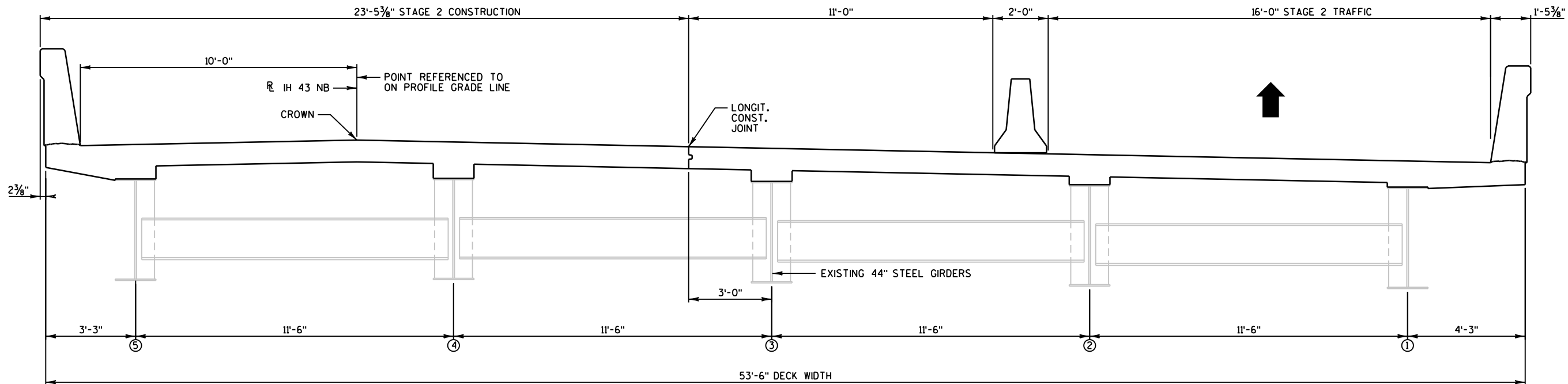
[2-01] - "PIGMENTED SURFACE SEALER" LIMITS

[2-02] - "PROTECTIVE SURFACE TREATMENT" LIMITS

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE B-64-64			
DRAWN BY WAR		PLANS CK'D. KGW	
CROSS SECTION & QUANTITIES			SHEET 2 OF 3

**STAGE 1 CONSTRUCTION**

(LOOKING NORTH)

**STAGE 2 CONSTRUCTION**

(LOOKING NORTH)

LEGEND

- ◆ SUPPORT OF DECK OVERHANG REQUIRED DURING CONSTRUCTION AND STAGED TRAFFIC. COST SHALL BE INCIDENTAL TO "REMOVING OLD STRUCTURE STA. 992+47, 40' RT

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STRUCTURE B-64-64			
DRAWN BY WAR		PLANS CK'D. KGW	
CONSTRUCTION STAGING		SHEET 3 OF 3	