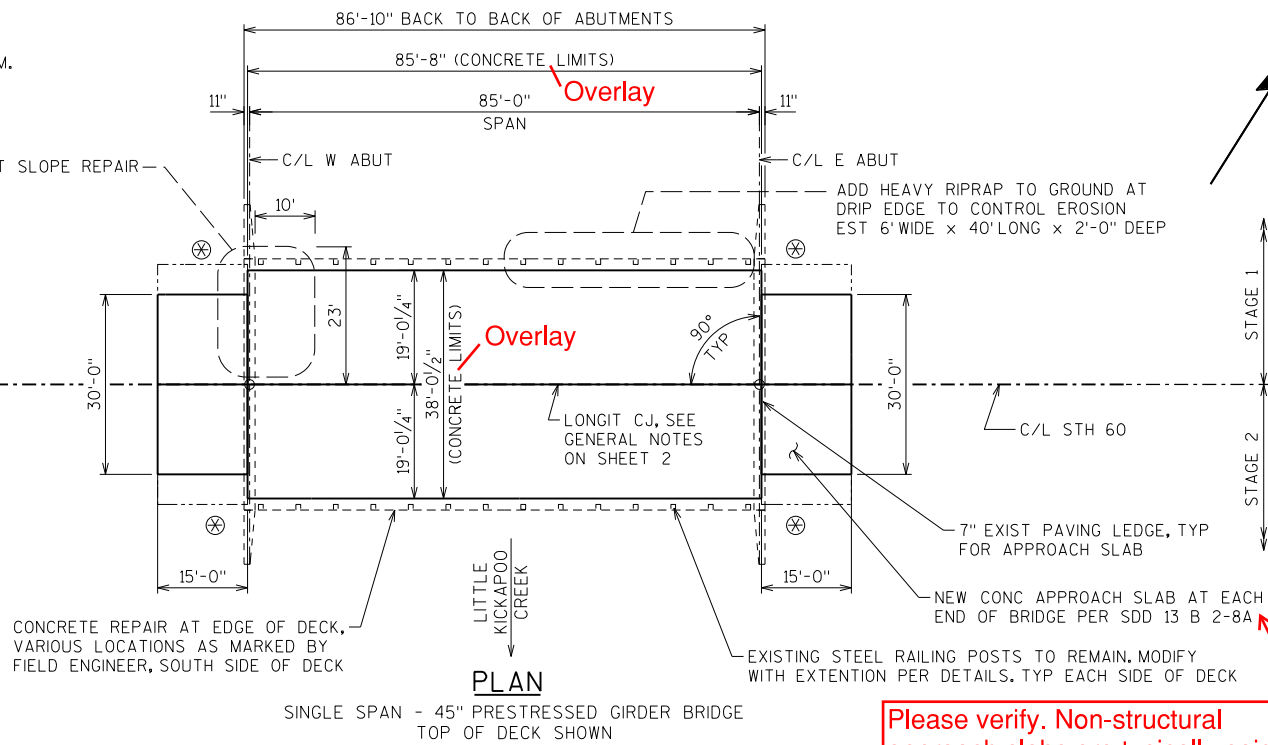
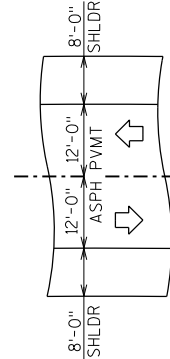
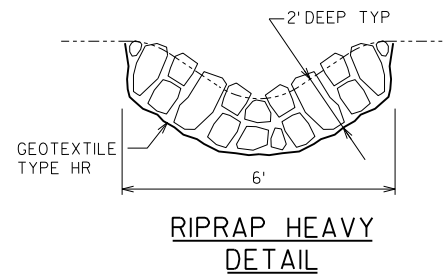


⊗ LOCATION OF ANCHOR ASSEMBLIES FOR THRIE BEAM. REMOVE & REINSTALL

SEE SHEET \_\_ FOR ABUTMENT SLOPE REPAIR



Plan view:  
-Show alignment stationing  
-Show stations @ substructure units (CL brg abut, CL Pier)



### DESIGN DATA

LIVE LOAD: **Design Loading: HS-20**  
INVENTORY RATING FACTOR: **RF = --- HS-XX**  
OPERATING RATING FACTOR: **RF = --- HS-XX**  
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV) = --- KIPS

INVENTORY AND OPERATING RATINGS INCLUDE THE CONCRETE OVERLAY BUT DO NOT INCLUDE FUTURE WEARING SURFACES.

### MATERIAL PROPERTIES:

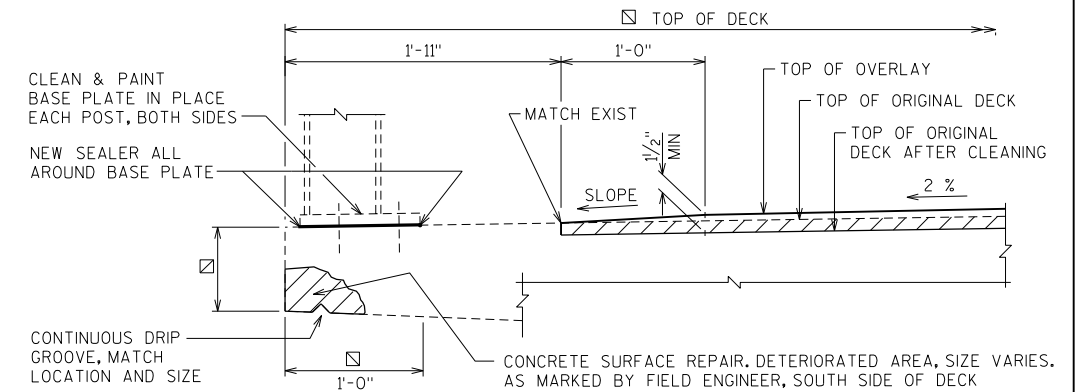
CONCRETE MASONRY - SUPERSTRUCTURE  $f'c = 4,000$  psi  
- OVERLAY **GRADE E**  $f'c = 4,000$  psi  
- ALL OTHER **GRADE A**  $f'c = 3,500$  psi  
HIGH STRENGTH BAR STEEL REINFORCEMENT  
AASHTO GRADE 60  $f_y = 60,000$  psi

### TRAFFIC DATA

ADT (2013) = 2300  
ADT (20-- ) = ---  
DHV (20-- ) = ---  
DD = ---  
T = --- %  
DESIGN SPEED = --- MPH

Fill in for prelim plans whenever possible

Roadway plans were not submitted. Could not verify roadway-related items. Please submit roadway plans for future projects.



### DETAIL A

(TYPICAL EACH SIDE OF DECK UNLESS NOTED OTHERWISE)

CLEAN & PREPARE CONCRETE SURFACE. FILL CRACKS WITH PENETRATING EPOXY. COAT WITH "PROTECTIVE SURFACE TREATMENT" PER THE STANDARD SPECIFICATIONS, DETAIL A AND THE GENERAL NOTES ON SHEETS 2.

### LIST OF DRAWINGS

- 1 CONCRETE OVERLAY
- 2 NOTES AND QUANTITIES

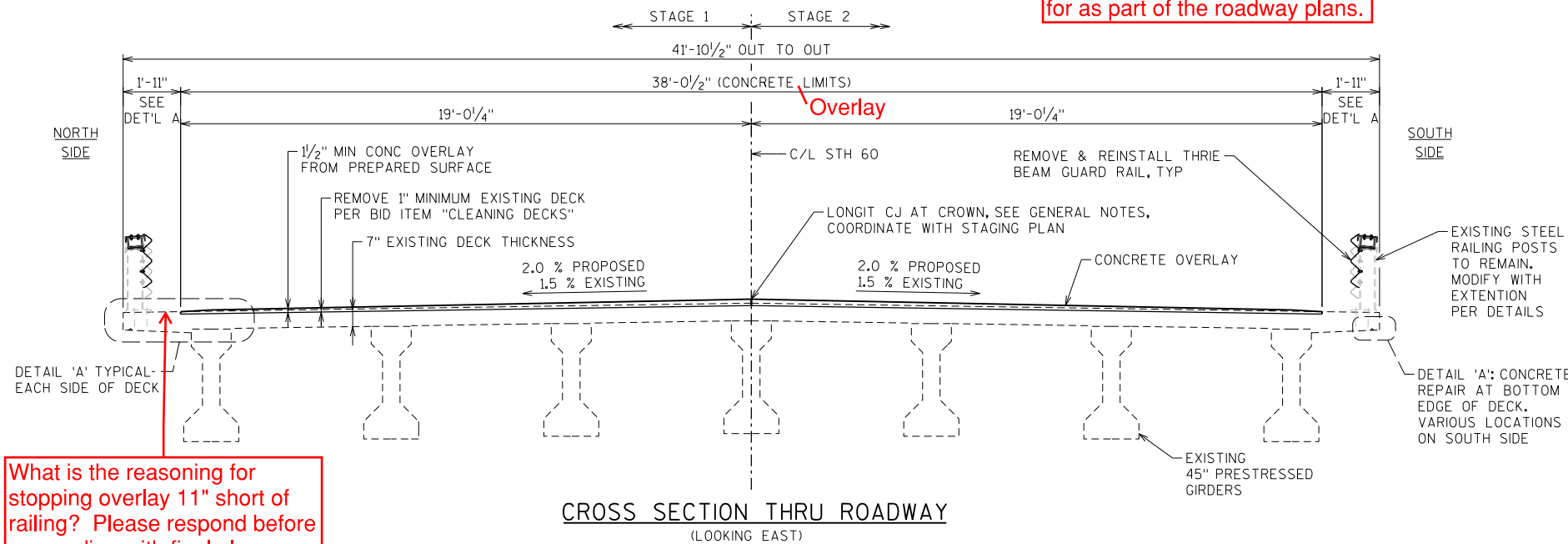
### General Comments

-Show how traffic will be handled on bridge during construction  
-Provide elevation view per BM 6.2.2.3.2

Verify. SSR says River

Reviewed By  
LMK 04/19/2017

What is the reasoning for stopping overlay 11" short of railing? Please respond before proceeding with final plans.




### TYPICAL SECTION AT END OF DECK

INDICATES REMOVAL

SEH CONTACT: CHRIS BLUM, PE, 608.620.6192  
WISDOT BRIDGE OFFICE CONTACT: BILL DREHER, PE, 608.266.8489

STATE PROJECT NUMBER

5180-04-83

NO.	DATE	REVISION	BY
 SHORT ELLIOTT HENDRICKSON INC.			
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
ACCEPTED _____ CHIEF STRUCTURES DESIGN ENGINEER DATE _____			
STRUCTURE <b>B-12-36</b>			
STH 60 OVER LITTLE KICKAPOO CREEK			
COUNTY	CRAWFORD	TOWN/CITY/VILLAGE	WAUZEKA
DESIGN SPEC. REHABILITATION N/A			
DESIGNED BY	DESIGN CK'D.	DRAWN BY	DLF
CONCRETE OVERLAY		PLANS CK'D.	CJB
SHEET 1 OF 2			

GENERAL NOTES

~~CONCRETE AND REINFORCEMENT SHALL BE IN ACCORDANCE WITH WISDOT "STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION" SECTION 501.~~

DRAWINGS SHALL NOT BE SCALED.

DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS AND INSPECTION REPORTS. EXISTING BRIDGE PLANS AVAILABLE AT WISDOT.

~~MATCH EXISTING DIMENSIONS AND ELEVATIONS EXCEPT AS OTHERWISE SHOWN OR NOTED.~~

ALL DIMENSIONS ARE IN FEET AND INCHES UNLESS OTHERWISE NOTED.

CONTRACTOR TO DETERMINE EXACT EXISTING UTILITY LOCATIONS. ALL UTILITIES TO REMAIN IN SERVICE. COORDINATE WITH THE UTILITY COMPANIES.

ANY EXCAVATION REQUIRED TO COMPLETE THE OVERLAY OR PAVING NOTCH AT THE ABUTMENTS, TO BE CONSIDERED INCIDENTAL TO THE BID ITEM "CONCRETE MASONRY OVERLAY DECKS". EXCAVATION FOR CONCRETE APPROACH SLAB IS CONSIDERED "EXCAVATION FOR STRUCTURES BRIDGES B-12-36".

A MINIMUM OF 1-INCH OF CONCRETE SHALL BE REMOVED FROM THE ENTIRE BRIDGE DECK UNDER THE BID ITEM "CLEANING DECKS". CONTRACTOR TO VERIFY COMPLETENESS OF REMOVALS WITH THE FIELD ENGINEER.

LONGITUDINAL CONSTRUCTION JOINT IN OVERLAY MAY BE USED. 1/2" DEEP SAWCUT FILL WITH JOINT SEALER. LOCATION TO BE DETERMINED BY THE FIELD ENGINEER. COORDINATE WITH STAGING PLANS.

~~MULTIPLE POURS AND SEQUENCE OF POURS MUST BE APPROVED BY THE STRUCTURES DESIGN SECTION.~~

PREPARATION DECKS TYPE 1, PREPARAION DECKS TYPE 2, AND FULL-DEPTH DECK REPAIR AREAS ARE BASED ON THE PLANS AND AS DETERMINED, LOCATED, MARKED AND MEASURED BY THE FIELD ENGINEER. DECK PREPARATION AND FULL-DEPTH DECK PREPAIRS SHALL BE FILLED WITH "CONCRETE MASONRY OVERLAY DECKS".

BOTTOM OF THE EXISTING DECK SHOULD BE INSPECTED FOR AREAS OF FULL-DEPTH DECK REPAIR PRIOR TO DECK PREPARATION OPERATIONS.

BOTTOM OF THE EXISTING DECK IS TO BE INSPECTED FOR AREAS OF DISTRESS AFTER COMPLETION OF THE DECK PREPARTION AND PRIOR TO OVERLAYING THE BRIDGE.

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

PROFILE GRADE LINE SHALL BE DETERMINED IN THE FIELD BASED ON A MINIMUM OVERLAY THICKNESS OF 1 1/2" PLACED ABOVE THE DECK SURFACE AFTER SURFACE PREPARATION. EXPECTED AVERAGE OVERLAY THICKNESS IS 2" ~~(OR AS GIVEN ON THE PLANS)~~. IF EXPECTED AVERAGE OVERLAY THICKNESS IS EXCEEDED BY MORE THAN 1/2", CONTACT THE STRUCTURES DESIGN SECTION.

CLEAN AND FILL EXISTING LONGITUDINAL AND TRANSVERSE CRACKS WITH PENETRATING EPOXY AS DIRECTED BY THE FIELD ENGINEER. COST IS INCIDENTAL TO BID ITEM " CONCRETE MASONRY OVERLAY DECKS".

APPLY A PROTECTIVE SURFACE TREATMENT TO TOP OF BRIDGE DECK, TOP OF APPROACH SLABS AND TOP OF APPROACH SLAB NOTCH PER THE STANDARD SPECIFICATIONS AND PLAN DETAILS.

AT THE ABUTMENTS, THE DECK JOINT IS COMPRISED OF A FILLER AND SEALANT, THERE IS NO STRIP SEAL OR COVER PLATED EXPANSION JOINT.

Utilities should be shown on structure and roadway plans.

STATE PROJECT NUMBER

5180-04-83

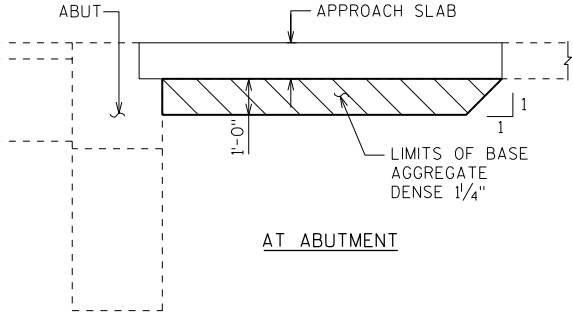
TOTAL ESTIMATED QUANTITIES - B-12-36

BID ITEM NUMBER	BID ITEMS	UNIT	TOTALS
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-12-36	LS	
① 203.0200	REMOVING OLD STRUCTURE OVER WATERWAY WITH DEBRIS CAPTURE SYSTEM	LS	
③ 305.0120	BASE AGGREGATE DENSE 1 1/4-INCH	TON	
④ 415.0410	CONCRETE PAVEMENT APPROACH SLAB	SY	
502.3200	PROTECTIVE SURFACE TREATMENT	SY	
509.0301	PREPARATION DECKS TYPE 1	SY	
509.0302	PREPARATION DECKS TYPE 2	SY	
⑤ 509.0500	CLEANING DECKS	SY	
509.1500	CONCRETE SURFACE REPAIR	SF	
509.2000	FULL-DEPTH DECK REPAIR	SY	
② 509.2500	CONCRETE MASONRY OVERLAY DECKS	CY	
606.0300	RIPRAP HEAVY	CY	
645.0120	GEOTEXTILE TYPE HR	SY	
690.0250	SAWING CONCRETE	LF	
SPV.0105.XXX	REFURBISH STEEL POST BASE PLATES	LS	
SPV.XXXX.XXX	STEEL RAILING TYPE W REHABILITAION	LS	
SPV.XXXX.XXX	ABUTMENT SLOPE REPAIR	LS	
	NON-BID ITEMS		
	FILLER	SIZE	3/4"

Typically roadway items

QUANTITIES NOTES

- ① PERTAINS TO DECK EDGE REPAIR.
- ② CONCRETE FOR PREPARATION DECKS TYPE 1 & 2, FULL-DEPTH DECK REPAIR, SURFACE REPAIR, AND DECK EDGE CONCRETE.
- ③ A FACTOR OF 2.0 WAS USED TO CONVERT CU YDS TO TONS.
- ④ PER SDD 13 B 2-8A. INCLUDES THE CONCRETE AND REINFORCEMENT.
- ⑤ BASED ON 1" DEEP BY LIMITS OF OVERLAY.



BASE AGGREGATE DENSE LIMITS

A FACTOR OF 2.0 WAS USED TO CONVERT CU YDS TO TONS

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE B-12-36			
DRAWN BY		DLF	PLANS CK'D. CJB
NOTES AND QUANTITIES			SHEET 2 OF 2