

## GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

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

STATE PROJECT NUMBER

2310-10-70

SLAB FALSEWORK SHALL BE SUPPORTED ON PILES OR SUBSTRUCTURE, UNLESS ALTERNATE METHOD IS APPROVED BY THE ENGINEER.

THE SLOPE OF FILL IN FRONT OF THE ABUTMENTS AND THE STREAMBED SHALL BE COVERED WITH HEAVY RIPRAP AND GEOTEXTILE FABRIC TO THE EXTENT SHOWN ON THIS SHEET, ON THE CROSS SECTION AND IN THE ABUTMENT DETAILS.

THIS STRUCTURE WILL REPLACE THE EXISTING CULVERT WITH TWIN MULTIPLATE ARCHES. THE CULVERT WAS BUILT IN 1984 AND EXTENDED 10 FEET TO THE SOUTH IN 1995.

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

BENDING DIMENSIONS FOR REINFORCING BARS ARE OUT TO OUT.

AT THE BACKFACE OF ABUTMENTS, ALL EXCAVATED VOLUME NOT OCCUPIED BY THE NEW STRUCTURE SHALL BE BACKFILLED WITH STRUCTURE BACKFILL.

THE EXISTING GROUND LINE SHALL BE USED AS THE UPPER LIMITS OF EXCAVATION.

TEMPORARY SHORING B-66-185, SEE ROADWAY PLANS FOR ADDITIONAL DETAILS "CEDAR CREEK BRIDGE STAGING".

CEDAR CREEK FLOW WILL BE DIVERTED BETWEEN THE EAST AND WEST EXISTING CULVERTS FOR CONSTRUCTION OF THE NEW CHANNEL AND REMOVAL OF THE EXISTING CULVERTS. SEE THE ROADWAY PLANS FOR "CEDAR CREEK BRIDGE STAGING". DIVERSION OF FLOW WILL BE PAID FOR UNDER "STREAM FLOW DIVERSION OF CEDAR CREEK".

## FOUNDATION DATA

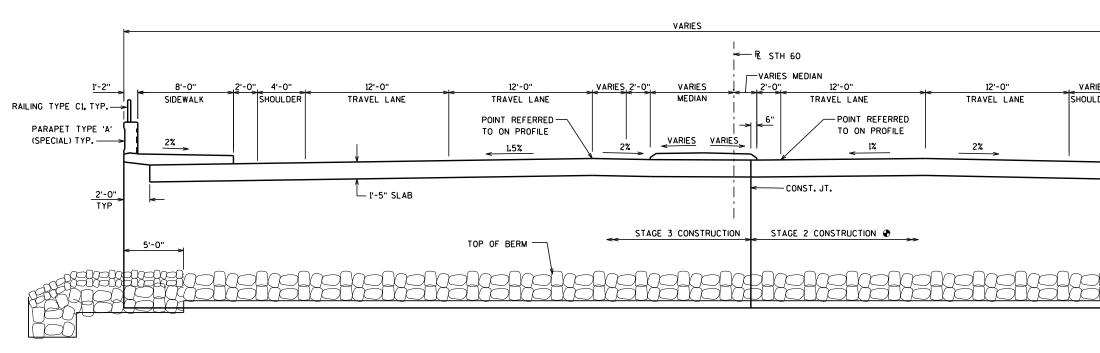
ABUTMENTS TO BE SUPPORTED ON 10 3/4-INCH CIP PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 130 TONS \*\* PER PILE.ESTIMATED LENGTH = 71 FEET AT EAST ABUTMENT AND 60 FEET AT WEST ABUTMENT.

\*\* THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES TO DETERMINE DRIVEN PILE CAPACITY.

BENCH MARKS (NAVD 88)

DESCRIPTION	
CHISELED SOUARE ON NE WING WALL B-66-80-84, STA. 78-07.30 CEDAR PKWY, 44.16' RT.	896.48
CAP ON SB USH 45.NW PARAPET WALL B-66-49-89. STA. 731+56.49.85.33'LT.	918.20

			ATTA					
	GENERAL PLAN			SHEET 1 OF 13				
— GEOTEXTILE FABRIC, TYPE HR (TYP.)	APF	ROVED_ C	HIEF STRUCTURAL D	ESIGN ENC		08/0	1/11 ATE	
	AAS		C. <u>RFD 4TH EDITION</u> RO DESIGN CK'D. JAW	DDAWAI	-93 SSQ	DI ANG	2012 KR0	
-0- 	STH 60 OVER CEDAR CREEK COUNTY WASHINGTON TOWN POLK							
LED E MIX			STRUCTUR	E B-	66-	185		8
·	STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURES DESIGN SECTION							
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	N0.	DATE	RE	VISION			BY	



STA 722+00.00 EL. 898.17



PROFILE GRADE LINE STH 60

€ E. ABUT. /STA. 720+84.00

EL, 898.77

## TOTAL ESTIMATED QUANTITIES

€ W. ABUT.

EL. = 898.90

-0.51%

STA 720+00.00 EL. 899.19

STA. 720+56.00

ITEMS NO.	BID ITEMS	UNIT	SUPER.	WEST ABUT.	EAST ABUT.	TOTALS
203.0200.01	REMOVING OLD STRUCTURE (STA 720+68)	LS				1
203.0200.02	REMOVING OLD STRUCTURE (STA 720+85)	LS				1
206.1000	EXCAVATION FOR STRUCTURES BRIDGES (B-66-185)	LS				1
206.5000	COFFERDAMS (B-66-185)	LS				1
210.0100	BACKFILL STRUCTURE	CY		490	480	970
502.0100	CONCRETE MASONRY BRIDGES	CY	186.8	117.3	114.9	419
502.3200	PROTECTIVE SURFACE TREATMENT	SY	321			321
502.6102	MASONRY ANCHORS TYPE S 1/2-INCH	EA	40			40
505.0405	BAR STEEL REINFORCEMENT HS BRIDGES	LB		6740	6660	13400
505.0605	BAR STEEL REINFORCEMENT HS COATED BRIDGES	LB	29620	2350	2270	34240
513.7005	RAILING STEEL TYPE C1 (B-66-185)	LS				1
550.2104.S	PILING CIP CONCRETE 103/4 X 0.250-INCH	LF		840	994	1834
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY		23	22	45
517.1015.S	CONCRETE STAINING MULTI-COLOR (B-66-185)	SF	161			161
517.1050.S	ARCHITECTURAL SURFACE TREATMENT (B-66-185)	SF	161			161
606.0300	RIPRAP HEAVY	CY		180	180	360
612.0206	PIPE UNDERDRAIN UNPERFORATED 6-INCH	LF		30	30	60
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF		113	111	224
645.0120	GEOTEXTILE FABRIC TYPE HR	SY		240	240	480
SPV.0035.02	FIELDSTONE FOR FACING HEAVY RIPRAP	CY		35	35	70
SPV.0035.04	FIELDSTONE FOR CROSS VANES	CY		5	5	10
SPV.0035.05	COARSE AGGREGATE MIX, STRUCTURE B-66-185	CY		25	25	50
SPV.0105.04	STREAM FLOW DIVERSION OF CEDAR CREEK, STA 720+70	LS	—		—	1
SPV.0165.02	TEMPORARY SHORING B-66-185	SF	—	500	500	1000
	NON-BID ITEMS					
	FILLER	SIZE				1/2"&3/

