



Wisconsin Department of Transportation

March 5, 2019

Division of Transportation Systems Development

Bureau of Project Development
4802 Sheboygan Avenue, Rm 601
P O Box 7916
Madison, WI 53707-7916

Telephone: (608) 266-1631
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NOTICE TO ALL CONTRACTORS:

Proposal #46: 6155-00-70
Meisner Road – Schertz Lane
S Br Embarrass River Bridge B580132
CTH M
Shawano County

Letting of March 12, 2019

This is Addendum No. 01, which provides for the following:

Schedule of Items:

Added Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
206.5000	Cofferdams B-58-132	LS	0	1	1
502.1100	Concrete Masonry Seal	CY	0	34	34

Plan Sheets:

Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
68	General Plan – Added concrete seal to elevation view
69	Cross Section and Quantities – Revised quantities table to include cofferdam and conc. seal
73	Pier – Added concrete seal

Schedule of Items

Attached, dated March 5, 2019, are the revised Schedule of Items Page 5.

Plan Sheets

The following 8½ x 11-inch sheets are attached and made part of the plans for this proposal:

Revised: 68, 69, 73.

The responsibility for notifying potential subcontractors and suppliers of these changes remains with the prime contractor.

Sincerely,

Mike Coleman

Proposal Development Specialist
Proposal Management Section

END OF ADDENDUM

STATE PROJECT NUMBER
6155-00-70

DESIGN DATA

LIVE LOAD:

DESIGN LOADING: HL-93
INVENTORY RATING FACTOR: RF=1.24
OPERATING RATING FACTOR: OR=1.01
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV): 250 KIPS
STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 P.S.F.

MATERIAL PROPERTIES:

CONCRETE MASONRY, SUPERSTRUCTURE: $f_c = 4,000$ P.S.I.
ALLOTTHER: $f_c = 3,500$ P.S.I.
HIGH-STRENGTH BAR STEEL REINFORCEMENT, GRADE 60: $f_y = 60,000$ P.S.I.

FOUNDATION DATA

ABUTMENTS TO BE SUPPORTED ON PILING STEEL HP 10-INCH X 42 LB DRIVEN TO A BED. DRIVING RESISTANCE OF 120 TONS** PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATE 50 FT. PILE LENGTHS AT THE WEST ABUTMENT AND 55 FT. PILE LENGTHS AT THE EAST ABUTMENT.

PIER TO BE SUPPORTED ON PILING STEEL HP 10-INCH X 42 LB DRIVEN TO A BED. DRIVING RESISTANCE OF 170 TONS** PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATE 55 FT. PILE LENGTHS AT THE PIER.

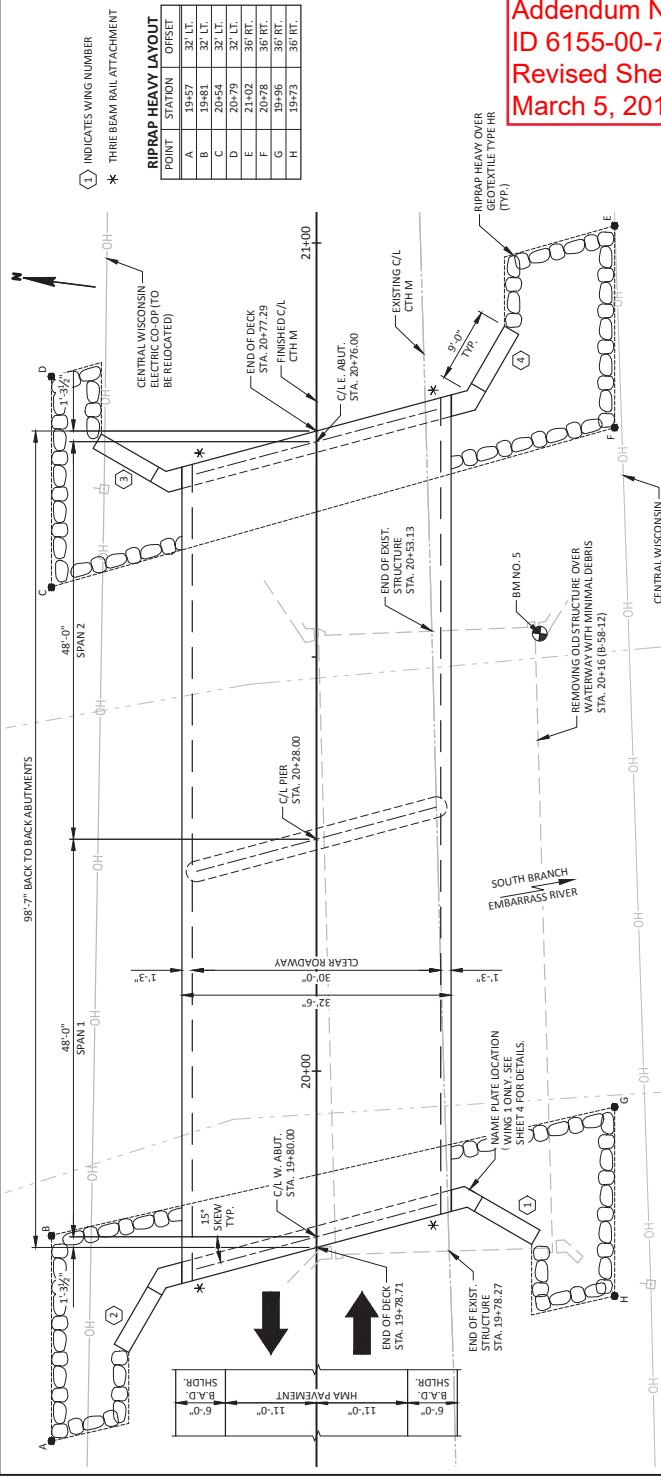
** THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE REQUIRED DRIVING RESISTANCE MULTIPLIED BY A RESISTANCE FACTOR OF 0.5 USING MODIFIED GATES TO DETERMINE DRIVEN PILE CAPACITY.

TRAFFIC DATA

A.D.T. (2019): 700
A.D.T. (2039): 940
DESIGN SPEED: 55 MPH.

HYDRAULIC DATA

100 YEAR FREQUENCY
INVERT ELEVATION: 95.50, M.I.
THROUGH STRUCTURE: 3,180 C.F.S.
OVERTOPPING ROADWAY: 1,830 C.F.S.
WATERWAY AREA: 1,350 C.F.S.
WATERWAY AREA THROUGH STRUCTURE: 692.5 C.F.S.
HIGH WATER ELEVATION: 99.52, FT.
SCOUR CRITICAL CODE: 955.10
DESIGN ROADWAY OVERFLOW FREQUENCY: 7 YRS
ROADWAY OVERFLOW FREQUENCY: 1,750 C.F.S.
OVERTOPPING ELEVATION: 952.83
EROSION CONTROL: Q₁: 1,070 C.F.S.
Q₂: 2.51 F.P.S.
VELOCITY: HIGH WATER ELEVATION: 951.13



PLAN B-58-132
(TWO-SPAN REINFORCED CONCRETE HAUNCHED SLAB)

BENCH MARKS

NO.	STA.	DESCRIPTION	ELEV.
6	9+04	COTTON GIN SPINDLE SET IN PIVOT, 33.2' LT.	969.92
5	20+53	CHESELED BOX ON SE WINGWALL, 27.0' RT.	956.10
4	26+83	COTTON GIN SPINDLE SET IN PIVOT, 27.1' LT.	951.06

William C. Decker
03/04/19



DESIGN CONSULTANT
PATRICK BOLAND, PE
(608) 588-7484

BRIDGE OFFICE CONTACT
WILLIAM DREHER, PE
(608) 246-8489

NO.	DATE	REVISION	BY
1	2-28-2019	ADD COFFERDAM AND CONCRETE SEAL	PTB



STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

ACCEPTED: _____
CHIEF STRUCTURES DESIGN ENGINEER

DATE: _____

STRUCTURE B-58-132

CTH OVER SOUTH BRANCH EMBARRASS RIVER

COUNTY: SHAWANO TOWN: _____ FAIRBANKS

DISTRICT: ASHTO LRD BRIDGE DESIGN SPECIFICATIONS

DESIGNED: PTB DRAWN: _____ PTD

CHECKED: _____

DATE: _____

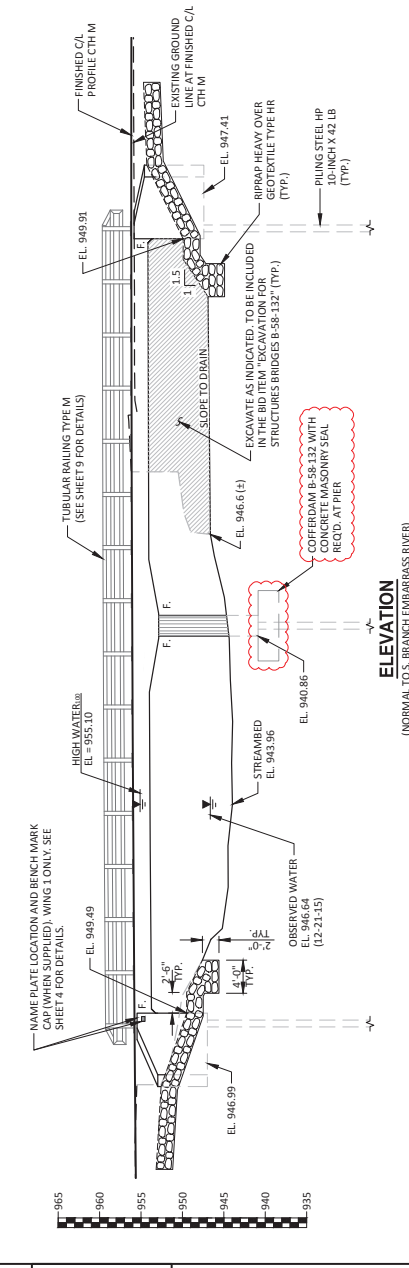
SHEET 1 OF 9

GENERAL PLAN

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LIST OF DRAWINGS

- GENERAL PLAN
- CROSS SECTION AND QUANTITIES
- SUBSURFACE EXPLORATION
- ABUTMENT DETAILS
- PIER
- SUPERSTRUCTURE
- SUPERSTRUCTURE DETAILS
- RAILING TUBULAR TYPE M
-
-



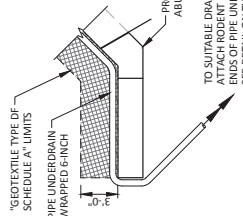
ELEVATION
(NORMAL TO S. BRANCH EMBARRASS RIVER)

Addendum No. 01
ID 6155-00-70
Revised Sheet 69
March 5, 2019

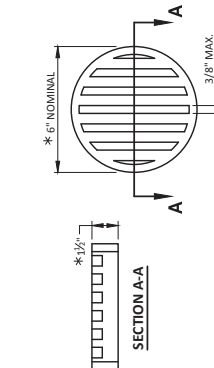
STATE PROJECT NUMBER
6155-00-70

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.
 ELEVATIONS SHOWN ON THE PLAN ARE REFERENCED TO THE NORTH AMERICA VERTICAL DATUM OF 1988 (NAVD 88).
 BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN ON NOTED.
 THE UPPER LIMITS OF EXCAVATION FOR STRUCTURES BRIDGES B-58-132* SHALL BE THE EXISTING GROUNDLINE.
 THE UPPER LIMITS OF EXCAVATION FOR STRUCTURES BRIDGES B-58-132* SHALL BE THE EXISTING GROUNDLINE.
 SLAB FALSEWORK SHALL BE SUPPORTED ON PILES OR THE SUBSTRUCTURE UNLESS AN ALTERNATIVE METHOD IS APPROVED BY THE ENGINEER IN THE FIELD.

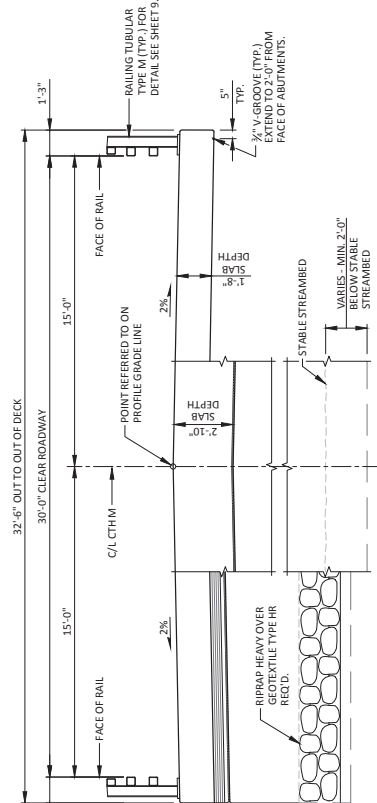


PIPE UNDERDRAIN DETAIL



RODENT SCREEN

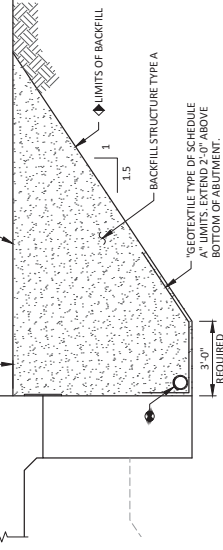
NOTES:
 * DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING.
 ORIENT SCREEN SO SLOTS ARE VERTICAL.
 THE RODENT SCREEN AND SCREWS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".
 THE RODENT SCREEN SHALL BE A P.V.C. GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS TO BE USED TO JOIN THE RODENT SCREENS. THE SCREEN SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.



PROPOSED CROSS-SECTION THROUGH ROADWAY

LOOKING EAST

- ◆ BACKFILL STRUCTURE TYPE A PAY LIMITS. INCIDENTAL TO THE BID ITEM "EXCAVATION FOR STRUCTURES B-58-132". LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.
- PIPE UNDERDRAIN WRAPPED 6-INCH SLOPED RODENT SCREEN AT ENDS OF PIPE UNDERDRAIN AS DETAILED ON THIS SHEET. RODENT SCREEN TO BE USED TO JOIN THE RODENT SCREENS. THE SCREEN SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.



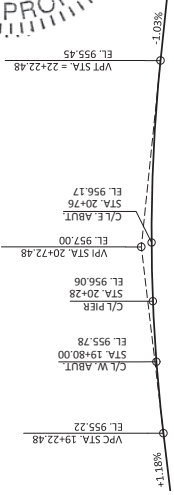
BACKFILL STRUCTURE DETAIL

(TYPICAL AT BOTH ABUTMENTS)

TOTAL ESTIMATED QUANTITIES

ITEM NUMBER	ITEM DESCRIPTION	UNIT	W. ABUT.	PIER	E. ABUT.	SUPER.	TOTALS
203.0600.5	REMOVING OLD STRUCTURE OVER WATERWAY WITH MIN. DEBRIS STA. 20+1.6	LS	--	--	--	--	1
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-58-132	LS	--	--	--	--	1
210.1500	BACKFILL STRUCTURE TYPE A	TON	160	--	160	--	320
502.0100	CONCRETE MASONRY TYPE A	CY	34	36	34	217	321
502.1100	CONCRETE MASONRY SEAL	SF	--	34	--	415	415
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	2,520	1,650	2,520	44,520	47,590
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB	1,350	60	1,420	44,520	47,590
513.4061	RAILING TUBULAR TYPE M	LF	--	--	--	202	202
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SF	6.5	--	6.5	--	13
550.1100	PILING STEEL HP 10-INCH X 42 LB	LF	340	400	375	--	1,115
606.0300	RIPRAP HEAVY	CY	80	--	85	--	165
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	80	--	80	--	160
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SF	50	--	50	--	100
645.0120	GEOTEXTILE TYPE HR	SF	140	--	150	--	290
NON-BID ITEMS							
	FILLER	SIZE	--	--	--	--	7' & 8"
	NAME PLATE						

William C. Dehn
 03/04/19



PROFILE GRADE LINE

CTH M

CROSS SECTION AND QUANTITIES

STRUCTURE B-58-132

NO.	DATE	REVISION	BY
1	2-28-2019	ADD CONFERMAD AND CONCRETE SEAL	PTB

STATE OF WISCONSIN
 DEPARTMENT OF TRANSPORTATION

DESIGNED BY: TOWSON
 CHECKED BY: PTB

SHEET 2 OF 9

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Proposal Schedule of Items

Proposal ID: 20190312046 Project(s): 6155-00-70

Federal ID(s): N/A

SECTION: 0001

Contract Items

Alt Set ID:

Alt Mbr ID:

Proposal Line Number	Item ID Description	Approximate Quantity and Units	Unit Price	Bid Amount
0130	643.5000 Traffic Control	1.000 EACH	_____.	_____.
0132	645.0111 Geotextile Type DF Schedule A	100.000 SY	_____.	_____.
0134	645.0120 Geotextile Type HR	290.000 SY	_____.	_____.
0136	645.0130 Geotextile Type R	13.000 SY	_____.	_____.
0138	646.1020 Marking Line Epoxy 4-Inch	6,000.000 LF	_____.	_____.
0140	650.4500 Construction Staking Subgrade	1,400.000 LF	_____.	_____.
0142	650.5000 Construction Staking Base	1,400.000 LF	_____.	_____.
0144	650.6500 Construction Staking Structure Layout (structure) 01. B-58-0132	LS	LUMP SUM	_____.
0146	650.9910 Construction Staking Supplemental Control (project) 01. 6155-00-70	LS	LUMP SUM	_____.
0148	650.9920 Construction Staking Slope Stakes	1,400.000 LF	_____.	_____.
0150	690.0150 Sawing Asphalt	44.000 LF	_____.	_____.
0152	715.0502 Incentive Strength Concrete Structures	1,926.000 DOL	1.00000	1,926.00
0154	206.5000 Cofferdams (structure) 01. B-58-132	LS	LUMP SUM	_____.
0156	502.1100 Concrete Masonry Seal	34.000 CY	_____.	_____.
Section: 0001			Total:	_____.
			Total Bid:	_____.

