



Wisconsin Department of Transportation

Division of Transportation Systems Development

Bureau of Project Development
4822 Madison Yards Way, 4th Floor South
Madison, WI 53705

Telephone: (608) 266-1631
Facsimile (FAX): (608) 266-8459

February 18, 2020

NOTICE TO ALL CONTRACTORS:

Proposal #25: 6666-04-70, WISC 2020 083
STH 153 – CTH P
Fenwood Creek Bridge B-37-0446
CTH M
Marathon County

Letting of March 10, 2020

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

Plan Sheets:

Deleted Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of why sheet was deleted)
57A-57M	Structure B-37-0446 – Plans inadvertently omitted from plan set

Plan Sheets

The following 8½ x 11-inch sheets are attached and made part of the plans for this proposal:
Added: 57A – 57M

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
6666-04-70

DESIGN DATA

LINE LOAD:
DESIGN LOADING: W-93
INVENTORY RATING FACTOR = 1.30
OPERATIONAL RATING FACTOR = 1.69
WISCONSIN STANDARD PERMIT VEHICLE (WIS-SPV) = 250 KIPS
STRUCTURE IS DESIGNED FOR A FUTURE WEARING SURFACE OF 20 PSF.

MATERIAL PROPERTIES:

CONCRETE MASONRY -
SLAB AND PARAPET _____ FC = 4000 P.S.I.
ALL OTHER _____ FC = 3500 P.S.I.
BAR STEEL REINFORCEMENT GRADE 60 _____ FY = 60,000 P.S.I.

FOUNDATION DATA

NORTH ABUTMENT TO BE SUPPORTED ON PILING STEEL HP 10-INCH X 42 LB. PILING ON ONE END AND ON CONCRETE FOUNDATION ON THE OTHER END. AS DETERMINED BY THE MODIFIED GATE DESIGN DYNAMIC FORMULA. ESTIMATED 15'-0" LONG FOR THE NORTH ABUTMENT. PILE POINTS ARE REQUIRED.
SOUTH ABUTMENT AND PIER TO BE SUPPORTED ON PILING STEEL HP 10-INCH X 42 LB. PILING ON ONE END AND ON CONCRETE FOUNDATION ON THE OTHER END. AS DETERMINED BY THE MODIFIED GATE DESIGN DYNAMIC FORMULA. ESTIMATED 15'-0" LONG FOR THE SOUTH ABUTMENT AND 20'-0" LONG FOR THE PIER.
** THE FACTORED AXIAL RESISTANCE OF PILES IN COMPRESSION USED FOR DESIGN IS THE RESISTANCE DETERMINED USING THE MODIFIED GATE DESIGN DYNAMIC FORMULA TO DETERMINE DRIVEN PILE CAPACITY.

TRAFFIC VOLUME

CTH M
A.D.T. (2020) = 680
A.D.T. (2040) = 900
DESIGN SPEED = 55 MPH

HYDRAULIC DATA

100 YEAR FREQUENCY _____ 2,800 CFS
VELOCITY _____ 5.96 FPS
HIGH WATER ELEVATION _____ 1258.34
WATERWAY AREA _____ 89.0 SQ. FT.
ROAD OVERTOPPING _____ N/A
SCOUR CRITICAL CODE _____ 5
2 YEAR FREQUENCY _____ 648 CFS
HIGH WATER 2 ELEVATION _____ 1258.08
VELOCITY _____ 2.40 FPS

LIST OF DRAWINGS

- GENERAL PLAN
- CROSS SECTION & QUANTITIES
- CONSTRUCTION DETAILS
- CONSTRUCTION DETAIL
- SOUTH ABUTMENT
- WINGS 1 AND 2
- NORTH ABUTMENT
- WINGS 3 AND 4
- PIER
- PIER ABUTMENT
- SUPERSTRUCTURE DETAILS
- SUPERSTRUCTURE DETAILS
- SINGLE SLOPE PARAPET 42SS

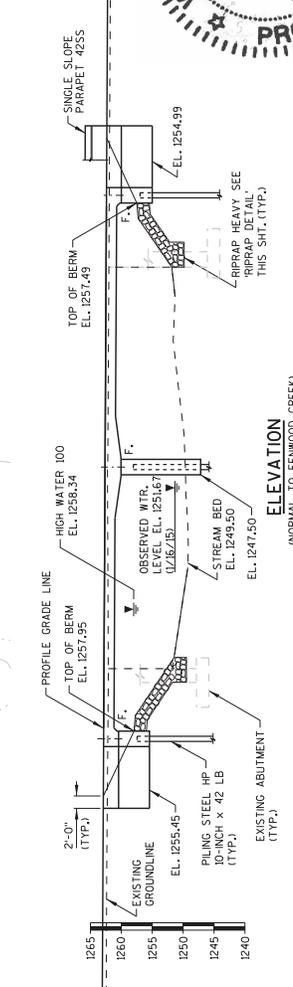
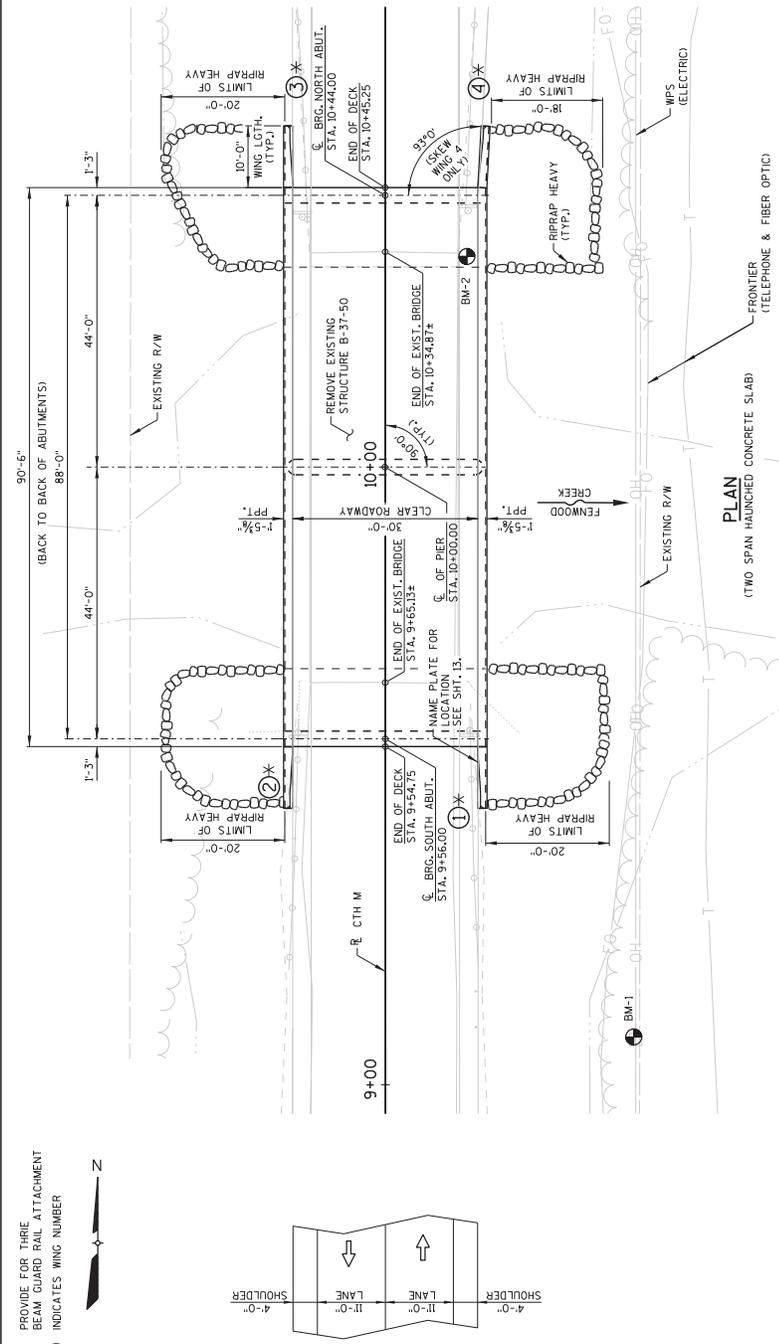
AECOM
STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION
ACCEPTED *William L. Decker* 11/14/19
DATE
CHIEF STRUCTURES DESIGN ENGINEER
STRUCTURE B-37-446
COUNTY MARATHON TOWNSHIP FENWOOD CREEK
DESIGN SPEC. MARATHON
ASHTO LEAF BRIDGE DESIGN SPECIFICATIONS
DESIGNED BY KAM ECK
BY EAN ECK
SHEET 1 OF 13
GENERAL PLAN
57A



STRUCTURES DESIGN CONTACTS

BRIDGE OFFICE: (608) 266-8489
BILL DRIEHR
CONSULTANT: (715) 342-3059
GEOFFREY W. HENNING
AECOM PROJECT NO. 60336988

Addendum No. 01
ID 6666-04-70
Added Sheet 57A
February 18, 2020



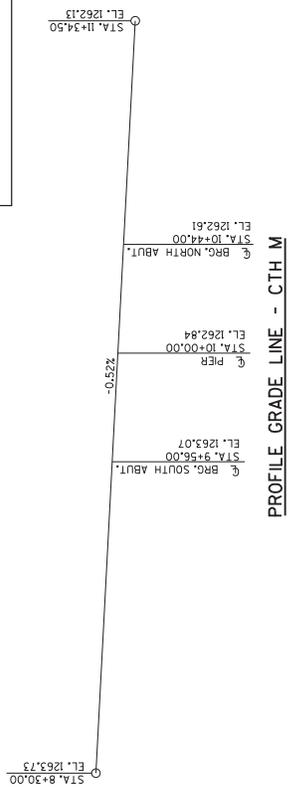
BENCH MARK TABLE

NO.	STATION	DESCRIPTION	ELEVATION
BW-1	9+08, RT	MARATHON P27204-1111WIS E OF CTH M, 150' S.	1257.25
BW-2	10+34, RT	CHESELED SQUARE ON NE ABUTMENT CORNER OF BRIDGE OVER FENWOOD CREEK	1262.14

PROVIDE FOR THREE BEAM GUARD RAIL ATTACHMENT INDICATES WING NUMBER



STATE PROJECT NUMBER
6666-04-70



Addendum No. 01
ID 6666-04-70
Added Sheet 57B
February 18, 2020

GENERAL NOTES

DRAWINGS SHALL NOT BE SCALED.

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

FILLER SHALL CONFORM TO THE REQUIREMENTS OF A.A.S.H.T.O. DESIGNATION M183, TYPES 1, 10R, 11, OR M23.

THE SLOPE OF THE FILL IN FRONT OF THE ABUTMENTS SHALL BE COVERED WITH RIPRAP HEAVY AND GEOTEXTILE TYPE HR WITHIN THE LIMITS SHOWN ON SHEET 1, ON THE ABUTMENT SHEETS OR AS DIRECTED BY THE ENGINEER.

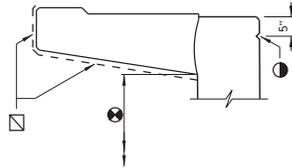
THE FIRST DIGIT OF A THREE DIGIT BAR MARK AND THE FIRST TWO DIGITS OF A FOUR DIGIT BAR MARK SIGNIFIES THE BAR SIZE.

THE EXISTING STRUCTURE (B-37-50) IS A SINGLE SPAN STEEL GIRDER BRIDGE, 70' LONG x 24' WIDE, TO BE REMOVED.

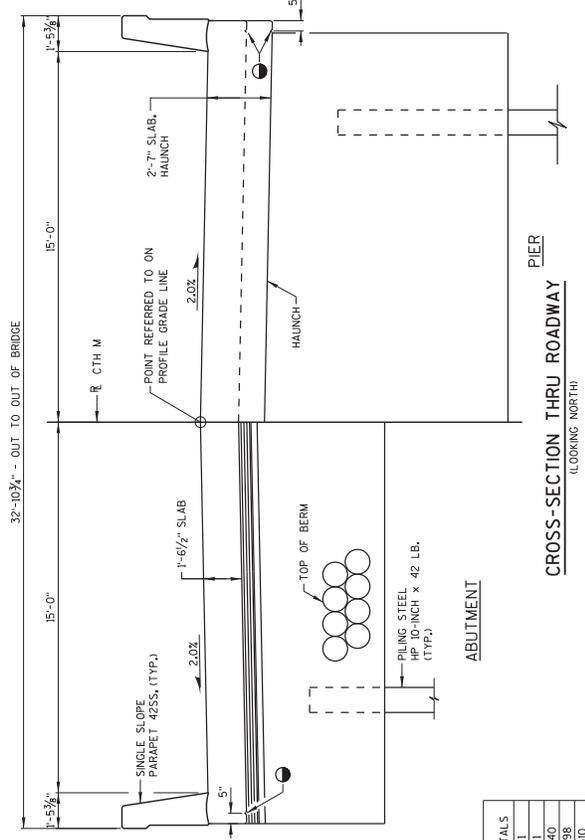
SLAB FALSEWORK SHALL BE SUPPORTED ON PILES OR THE SUBSTRUCTURE UNLESS AN ALTERNATIVE METHOD IS APPROVED BY THE ENGINEER.

EXCAVATION REQUIRED UNDER THE BID ITEM "EXCAVATION FOR STRUCTURES BRIDGES B-37-446" IS NOT TO BE USED TO BALANCE THE EARTHWORK.

THE EXISTING STREAM BED SHALL BE USED AS THE UPPER LIMITS OF EXCAVATION AT THE PIER.



SURFACE PROTECTION DETAIL



CROSS-SECTION THRU ROADWAY
(LOOKING NORTH)

TOTAL ESTIMATED QUANTITIES

BID ITEM NUMBER	BID ITEM DESCRIPTION	UNIT	SO' IN ABUTMENT	PIER	IN RT' IN ABUTMENT	SUPER	TOTALS
203.0600.S.01	REMOVING OLD STRUCTURE OVER WATERWAY WITH MINIMAL DEBRIS, STATION 10+00	LS					1
206.1000	EXCAVATION FOR STRUCTURES BRIDGES B-37-446	LS	120		120		240
210.1800	BACKFILL STRUCTURE TYPE A	TON				195	298
502.0100	CONCRETE MASONRY BRIDGES	CY	33	37	33	310	310
502.3200	PROTECTIVE SURFACE TREATMENT	SY	10		10	90	110
502.3210	PIGMENTED SURFACE SEALER	LB	1930	2,000	1,930	5,860	5,860
505.0400	BAR STEEL REINFORCEMENT HS STRUCTURES	LB	1,240	70	1,310	56,140	58,760
505.0600	BAR STEEL REINFORCEMENT HS COATED STRUCTURES	LB					
516.0500	RUBBERIZED MEMBRANE WATERPROOFING	SY	9		9		18
550.0020	PRE-BORING ROCK OR CONSOLIDATED MATERIALS	LF	65	80			145
550.0500	PILE POINTS	EACH					5
550.1100	PIILING STEEL HP 10-INCH X 42 LB	LF	75	160	75		310
606.0300	RRIPRAP HEAVY	CY	100	160	100		200
612.0406	PIPE UNDERDRAIN WRAPPED 6-INCH	LF	70	70	2		140
614.0150	ANCHOR ASSEMBLIES FOR STEEL PLATE BEAM GUARD	EACH					2
645.0111	GEOTEXTILE TYPE DF SCHEDULE A	SY	45		45		90
645.0120	GEOTEXTILE TYPE HR	SY	180		180		360
	FILLER	SIZE					1/2" & 3/4"

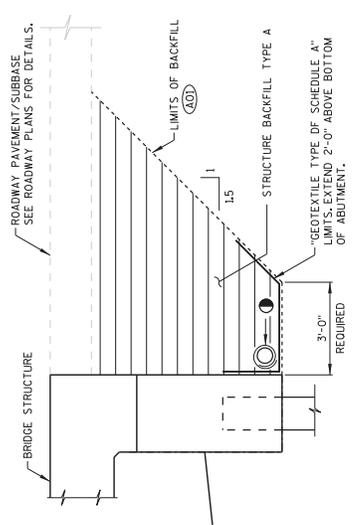
LEGEND

COAT WITH "PIGMENTED SURFACE SEALER" AS PER THE STANDARD SPECIFICATIONS.

3/4" V-GROOVE REEDS, EXTEND V-GROOVE TO 6" FROM FRONT FACE OF ABUT. DIAPHRAGM.

COAT WITH "PROTECTIVE SURFACE TREATMENT" AS PER STANDARD SPECIFICATIONS.

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE B-37-446			
DESIGN		PERMANENT	EAN
DRAWN		KAM	PERMANENT
CHECKED			
SHEET 2 OF 13			
CROSS SECTION & QUANTITIES			
57B			



SECTION THRU ABUTMENT

BACKFILL STRUCTURE LIMITS

THE UPPER LIMITS OF "EXCAVATION FOR STRUCTURES BRIDGES B-37-446" SHALL BE THE EXISTING GROUNDLINE.

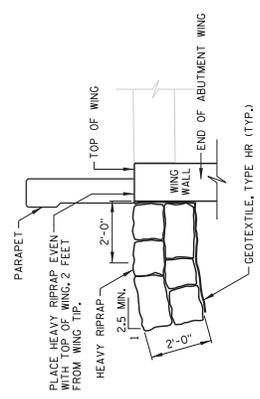
BACKFILL PAY LIMITS BEYOND BACKFILL PAY LIMITS SHALL BE INCIDENTAL TO EXCAVATION FOR STRUCTURES. LIMITS OF EXCAVATION SHALL BE DETERMINED BY THE CONTRACTOR.

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

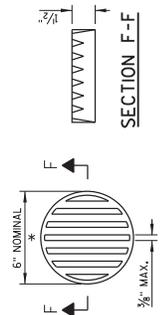
EXCAVATION BELOW THE ABUTMENT AND ABUTMENT BEDDING MATERIALS REQUIRES ENGINEER APPROVAL. GEOTEXTILE SHALL BE PLACED ON NEW EXCAVATION AND EXTEND 2'-0" ABOVE THE BOTTOM OF THE ABUTMENT.

PIPE UNDERDRAIN WRAPPED (6-INCH) SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. ATTACH RODENT SHIELD AT ENDS OF PIPE UNDERDRAIN.

THE BACKFILL QUANTITIES ARE BASED ON THE PAY LIMITS SHOWN ON THE PLANS AND MAY NOT REFLECT ACTUAL PLACED QUANTITIES. "BACKFILL STRUCTURE TYPE A" REQUIRED DIRECTLY BEHIND ABUTMENTS AND ABUTMENT WINGS FOR 3 FEET. BACKFILL PLACED BEYOND PAY LIMITS OR EXCEEDING PLAN QUANTITIES SHALL BE INCIDENTAL TO "EXCAVATION FOR STRUCTURES BRIDGES B-37-446".



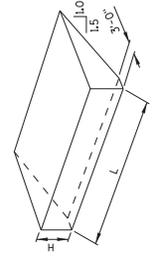
TYPICAL FILL SECTION AT WING TIPS



*DIMENSIONS ARE APPROXIMATE. THE GRATE IS SIZED TO FIT INTO A PIPE COUPLING. ORIENT SO SLOTS ARE VERTICAL.

THE RODENT SHIELD, PIPE COUPLING AND SCREENS SHALL BE CONSIDERED INCIDENTAL TO THE BID ITEM "PIPE UNDERDRAIN WRAPPED 6-INCH".

THE RODENT SHIELD SHALL BE A PVC GRATE SIMILAR TO THIS DETAIL. THE GRATE IS COMMERCIALY AVAILABLE AS A FLOOR STRAINER. A PIPE COUPLING IS REQUIRED FOR THE ATTACHMENT OF THIS SHIELD TO THE EXPOSED END OF THE PIPE UNDERDRAIN. THE SHIELD SHALL BE FASTENED TO THE PIPE COUPLING WITH TWO OR MORE NO. 10 X 1-INCH STAINLESS STEEL SHEET METAL SCREWS.



ABUTMENT BACKFILL DIAGRAM

L = OUT TO OUT OF ABUTMENT, INCLUDING WINGS (FT)

H = HEIGHT OF ABUTMENT (FT)

EF = EXPANSION FACTOR (1.20 FOR CY BID ITEMS, AND 1.00 FOR TON BID ITEMS)

V_{Gr} = (L/3.0)(H) + (L/10.5)(L/5.5H)

V_{Cr} = V_{Gr} (EF/1.27)

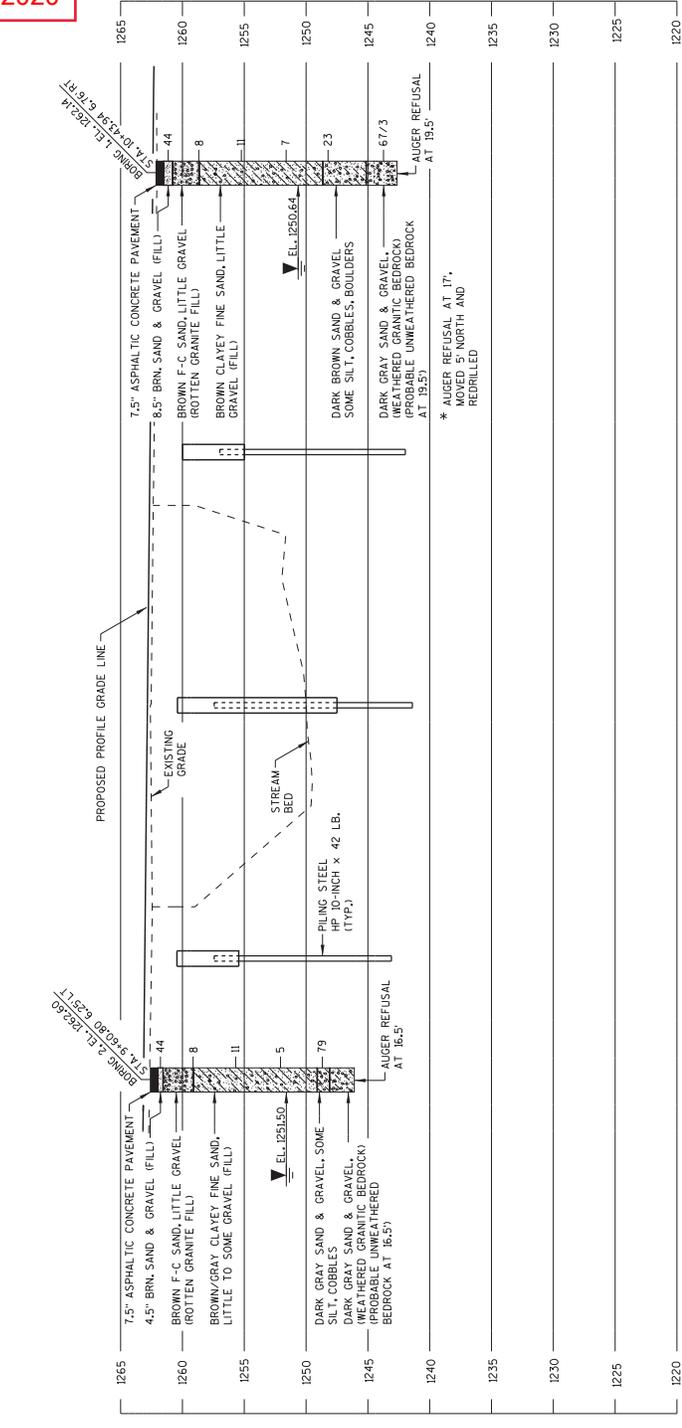
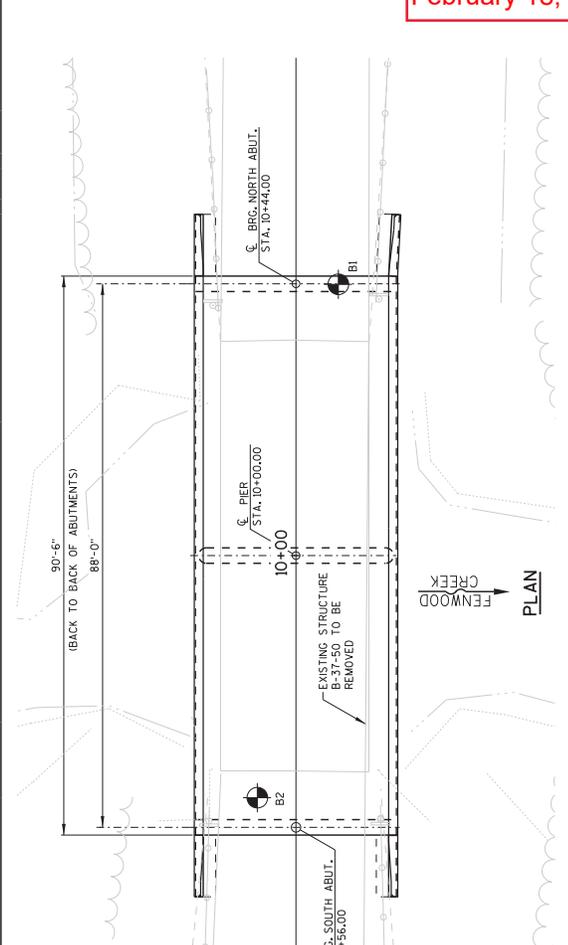
V_{tot} = V_{Gr} (2.0)

Addendum No. 01
ID 6666-04-70
Added Sheet 57C
February 18, 2020

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE B-37-446			
DESIGNED BY KAM		CHECKED BY EAN	
CONSTRUCTION DETAILS			SHEET 3 OF 13
			57C

BORING #	DATE COMPLETED	NORTHING (N)	EASTING (E)
B1	12/5/2014	159306.35±	18465.42±
B2	12/5/2014	15925.22±	18462.37±

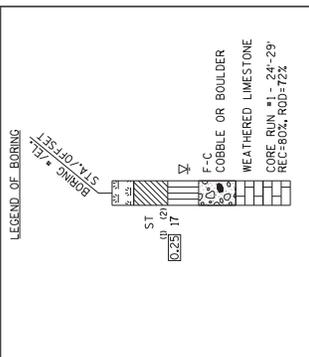
BORINGS COMPLETED BY: NUMMELIN TESTING SERVICES, INC.
 REPORT COMPLETED BY: NUMMELIN TESTING SERVICES, INC.
 ALL COORDINATES REFERENCED TO WCCS NAD 83(2011) MARATHON COUNTY



STATE PROJECT NUMBER
6666-04-70

MATERIAL SYMBOLS

ASPHALT	TOPSOIL	PEAT
CONCRETE	FILL	GRAVEL
SAND	CLAY	SILT
BOULDERS OR COBBLES	LIMESTONE	BEDROCK (UNKNOWN)
SHALE	SANDSTONE	IGNEOUS/META

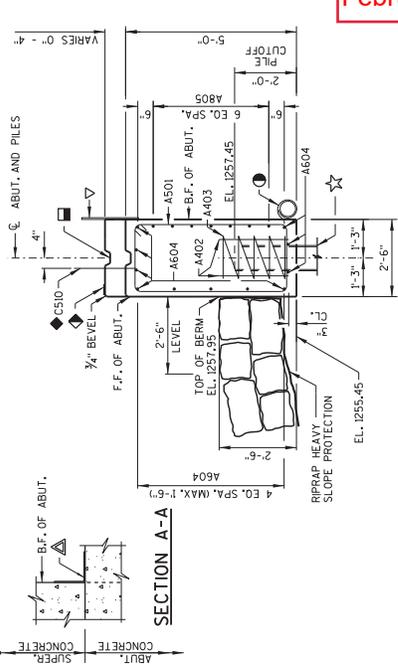


SUBSURFACE EXPLORATION FOR FOUNDATION DESIGN AND BIDDERS INFORMATION

BORINGS WERE COMPLETED AT POINTS APPROXIMATELY AS INDICATED ON THIS DRAWING TO OBTAIN INFORMATION CONCERNING THE CHARACTER OF SUBSURFACE MATERIALS. THE CHARACTER OF SUBSURFACE MATERIALS DEPTHS ARE LIMITED AND THE AREA OF THE BORINGS IS VERY SMALL IN RELATION TO THE ENTIRE SITE. THESE BORINGS ARE NOT MEANT TO REPRESENT THE ENTIRE SITE. NOT WARRANT SIMILAR SUBSURFACE CONDITIONS BELOW, BETWEEN, OR BEYOND THESE BORINGS. VARIATIONS IN SOIL CONDITIONS SHOULD BE EXPECTED AND FLUCTUATIONS IN GROUNDWATER LEVELS MAY OCCUR.

Addendum No. 01
 ID 6666-04-70
 Added Sheet 57D
 February 18, 2020

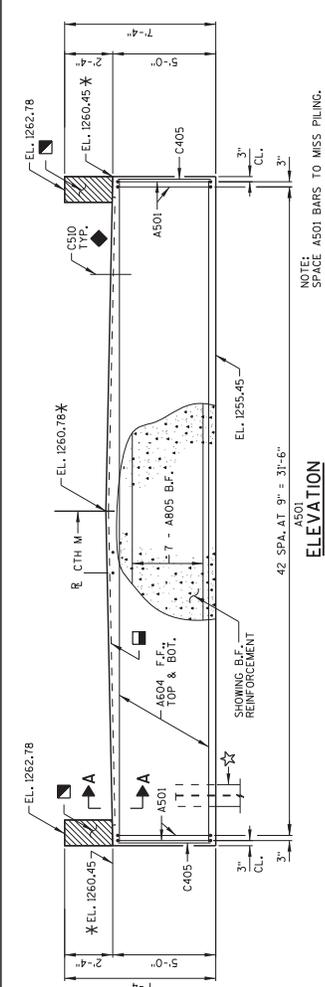
NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE B-37-446			
DESIGNED BY	DRAWN BY	CHECKED BY	EAM
SUBSURFACE EXPLORATION			SHEET 4 OF 13
			57D



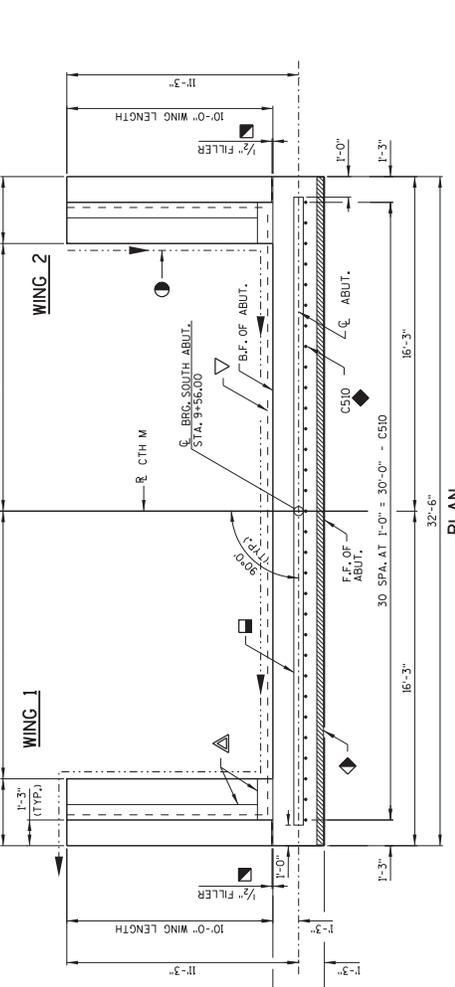
TYPICAL SECTION THRU BODY
(LOOKING EAST)

NOTES
ELEVATIONS AND DIMENSIONS ARE GIVEN AT THE \ominus OF ABUTMENT, FOR WING DETAILS AND ELEVATIONS SEE SHT. 6.
DO NOT PLACE FILL ABOVE 3'-0" FROM BOTTOM OF ABUTMENT UNTIL SUPERSTRUCTURE IS IN PLACE.
1/2" FILLER INCLUDED IN WING LENGTH.

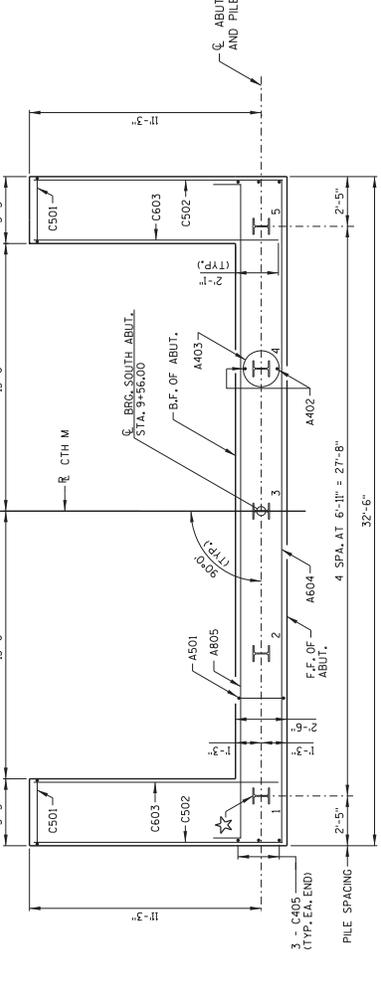
- LEGEND**
- ☆ SUPPORT ABUTMENTS ON PILING STEEL HP 10-INCH x 42 LB. SEE PILE NOTE THIS SHEET AND PILE SPICE DETAIL ON SHEET 5.
 - PIPE UNDERDRAIN WRAPPED (6-INCH), SLOPE 0.5% MIN. TO SUITABLE DRAINAGE. DRAIN BOTH ABUTMENTS TO DOWNSTREAM SIDE OF BRIDGE. ATTACH RODENT SHIELD AT ENDS OF PIPE. SEE SHT. 3.
 - ◼ 1/2" FILLER TO EXTEND AS SHOWN. SEAL ALL EXPOSED HORIZONTAL AND VERTICAL SURFACES OF 1/2" FILLER WITH NON-STAINING GRAY NON-BITUMINOUS JOINT SEALER, 1" DEEP AND HOLD 1/8" BELOW SURFACE OF CONCRETE.
 - ◆ C510 OR P506 AT 1'-0" BARS MAY BE PLACED AFTER CONCRETE HAS BEEN POURED BUT PRIOR TO ITS INITIAL SET. EMBED 1'-0".
 - ▽ 18" RUBBERIZED MEMBRANE WATERPROOFING. SEAL ALL HORIZONTAL AND VERTICAL JOINTS ON BACK FACE.
 - ◊ 4x3/4" FILLER - TO EXTEND BETWEEN EDGES OF SLAB AT ABUTMENTS AND AROUND ENTIRE PERIMETER AT TOP OF PIER.
 - ◻ KEYED CONSTRUCTION JOINT FORMED BY BEVELED 2"x6".
 - ◻ OPTIONAL CONSTRUCTION JOINT KEYWAY FORMED BY A BEVELED 2"x6" WITH RUBBERIZED MEMBRANE WATERPROOFING ON BACKFACE. (COST INCIDENTAL TO BID ITEM 'CONCRETE MASONRY BRIDGES')
 - ◐ 3/4" V-GROOVE, TERMINATE 6" FROM FRONT FACE OF ABUTMENTS.
 - ◑ PLACE BOTTOM HALF OF RUBBERIZED MEMBRANE WATERPROOFING HORIZONTAL IN THIS AREA.



ELEVATION
* ELEVATIONS ARE GIVEN AT TOP OF CONCRETE \ominus OF ABUTMENT



PLAN

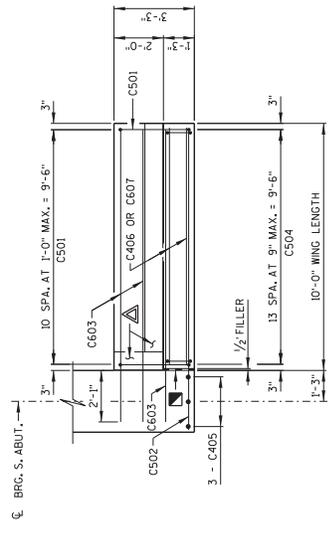


PILE PLAN

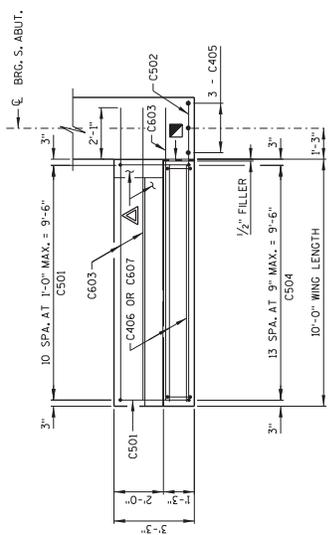
Addendum No. 01
ID 6666-04-70
Added Sheet 57E
February 18, 2020

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE B-37-446			
DESIGN	BY	CHKD.	EAN
SOUTH ABUTMENT			SHEET 5 OF 13
			57E

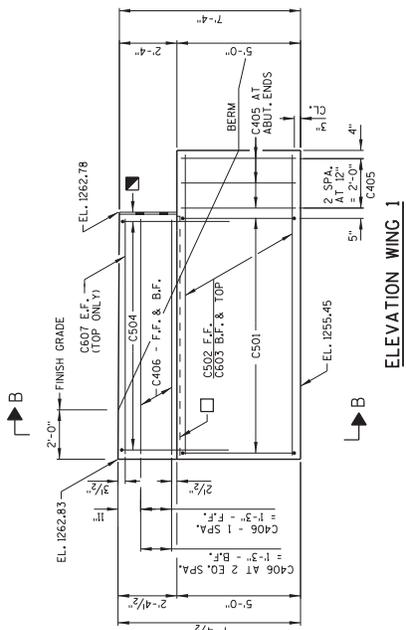
STATE PROJECT NUMBER
6666-04-70



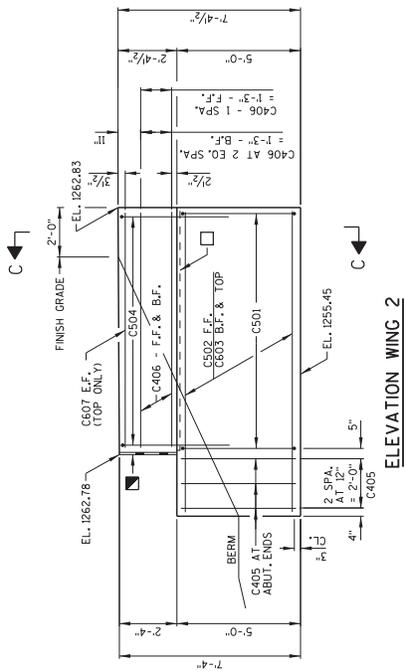
PLAN WING 1



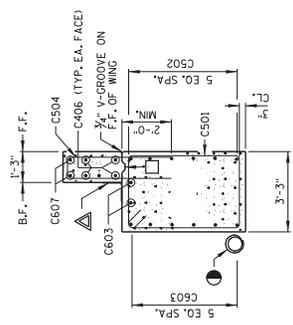
PLAN WING 2



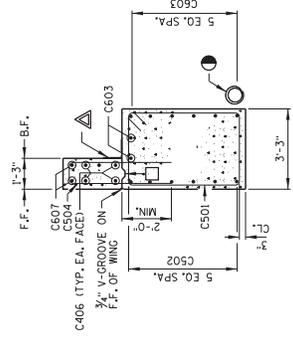
ELEVATION WING 1



ELEVATION WING 2



SECTION B-B



SECTION C-C

8

NOTE
FOR TYPICAL FILL SECTION AT WING TIPS SEE SHT. 3.

LEGEN
FOR SYMBOL DESCRIPTIONS SEE SHT. 5.

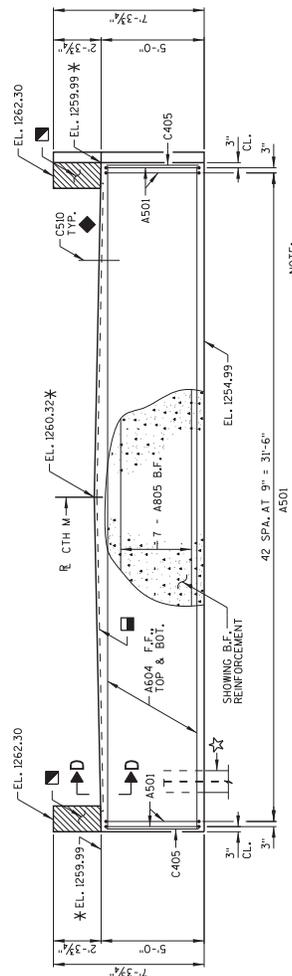
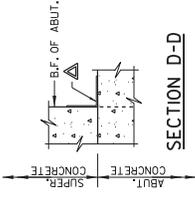
NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE B-37-446			
DESIGN	KAM	PERMITS	EAN

WINGS 1 AND 2

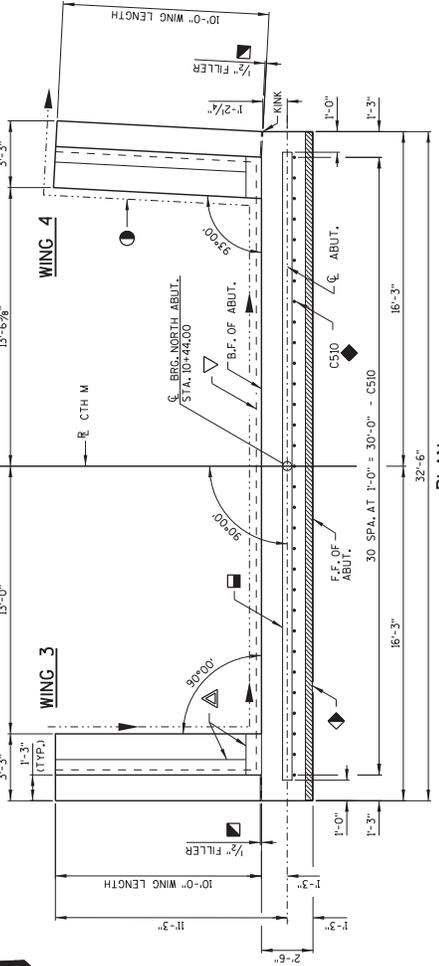
57F

Addendum No. 01
ID 6666-04-70
Added Sheet 57F
February 18, 2020

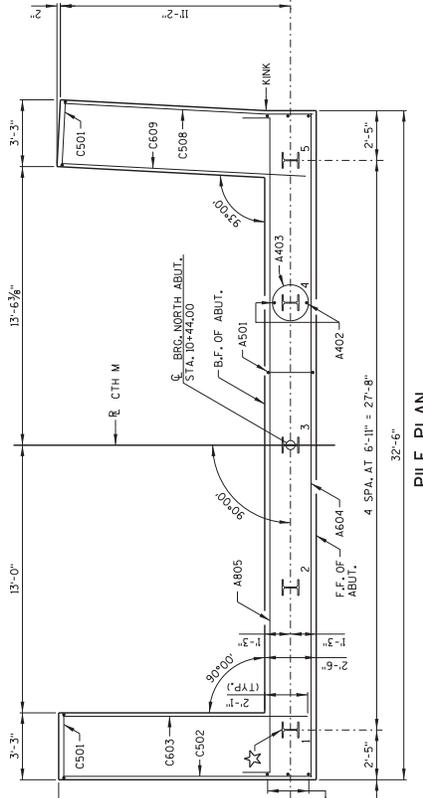
Addendum No. 01
ID 6666-04-70
Added Sheet 57G
February 18, 2020



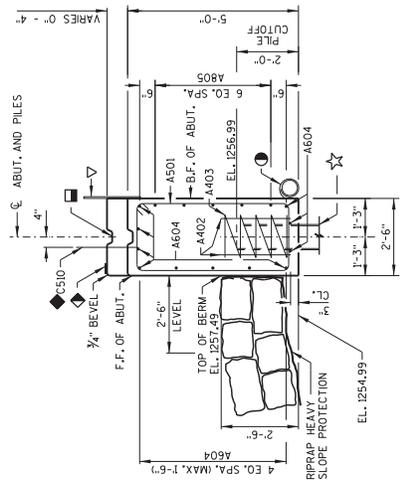
ELEVATION
* ELEVATIONS ARE GIVEN AT TOP OF CONCRETE, % OF ABUTMENT.



PLAN



PILE PLAN



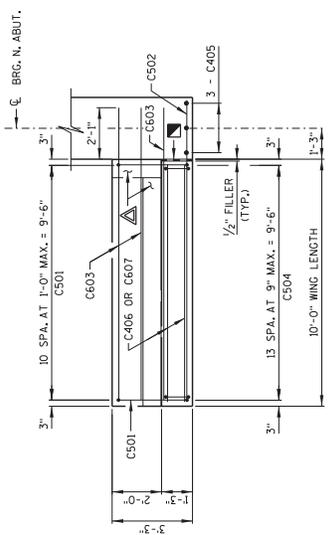
TYPICAL SECTION THRU BODY
(LOOKING WEST)

NOTES
ELEVATIONS AND DIMENSIONS ARE GIVEN AT THE % OF ABUTMENT. FOR WING DETAILS AND ELEVATIONS SEE SHY. 8.
DO NOT PLACE FILL ABOVE 3'-0" FROM BOTTOM OF ABUTMENT UNTIL SUPERSTRUCTURE IS IN PLACE.
1/2" FILLER INCLUDED IN WING LENGTH.

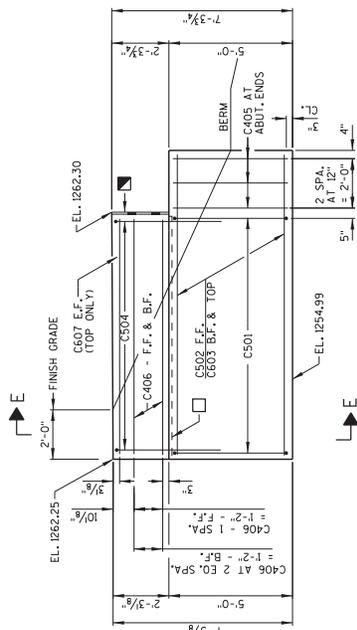
PILE NOTE
ABUTMENT TO BE SUPPORTED ON PILING STEEL HP 10-INCH x 42 LB. PILING DRIVEN TO A REQUIRED DRIVING RESISTANCE OF 180 TONS PER PILE AS DETERMINED BY THE MODIFIED GATES DYNAMIC FORMULA. ESTIMATED 15'-0" LONG. PILE POINTS ARE REQUIRED.

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE B-37-446			
DESIGN	BY	CHKD.	EAN
NORTH ABUTMENT			SHEET 7 OF 13
			57G

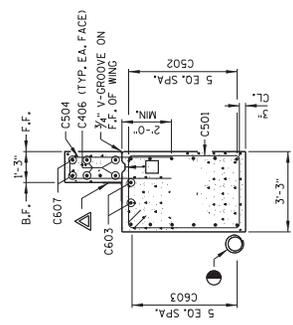
STATE PROJECT NUMBER
6666-04-70



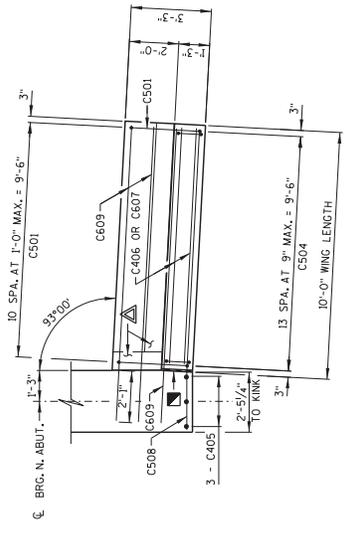
PLAN WING 3



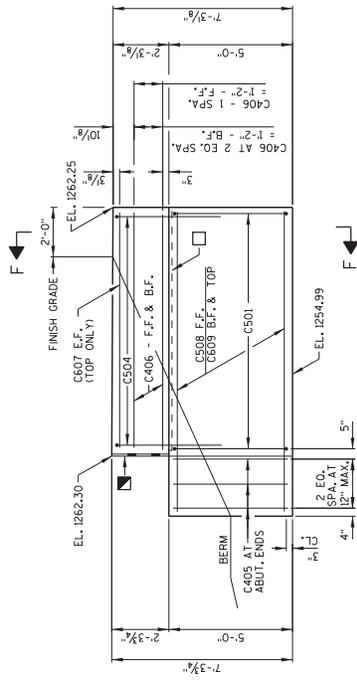
ELEVATION WING 3



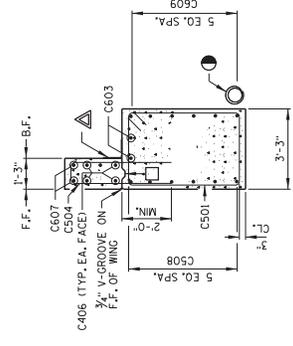
SECTION E-E



PLAN WING 4



ELEVATION WING 4



SECTION F-F

Addendum No. 01
ID 6666-04-70
Added Sheet 57H
February 18, 2020

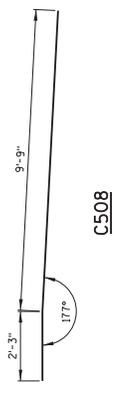
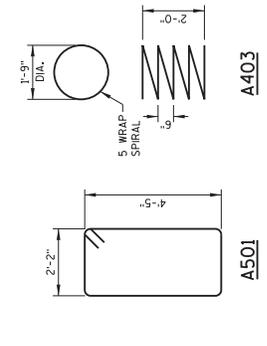
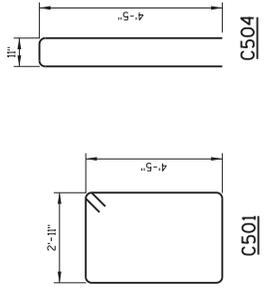
NOTE
FOR TYPICAL FILL SECTION AT WING TIPS SEE SHT. 3.

LEGEND
FOR SYMBOL DESCRIPTIONS SEE SHT. 5.

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE B-37-446			
DESIGNED BY	DRAWN BY	CHECKED BY	IN CHARGE BY

WINGS 3 AND 4
SHEET 8 OF 13
57H

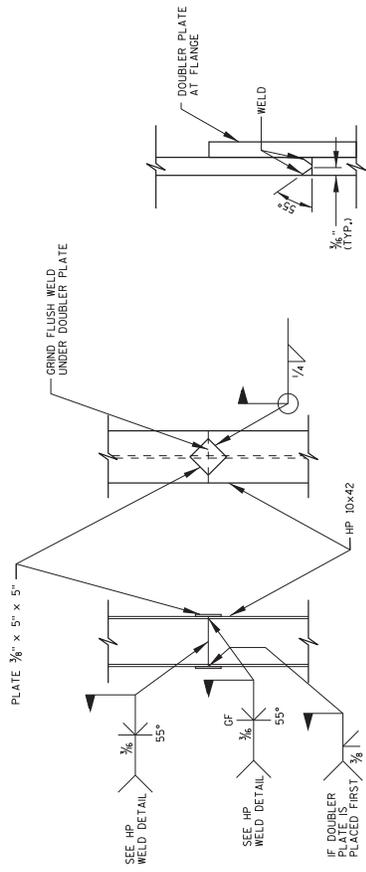
Addendum No. 01
ID 6666-04-70
Added Sheet 571
February 18, 2020



BILL OF BARS

DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT OF BAR.

MARK	NO.	REQ'D	LENGTH	BENT	LOCATION	TOTAL WEIGHT = 3,860 LBS
NON-COATED BARS						
A501	90	13-10	X		ABUTMENTS - STIRRUP	
A403	20	2-3	X		ABUTMENTS - PILES	
A403	10	28-0	X		ABUTMENTS - PILES	
A604	22	32-2	X		ABUTMENTS - TOP, F.F., & BOT.	
A805	14	34-2	X		ABUTMENTS - B.F.	
COATED BARS						
C501	44	15-4	X		WINGS I THRU 4 - STIRRUP	
C502	18	12-2	X		WINGS 1, 2 & 3 - F.F.	
C603	26	11-11	X		WINGS 1, 2 & 3 - B.F. AND TOP SUBSTRUCTURE	
C504	56	9-6	X		WINGS I THRU 4 - TOP	
C405	12	4-7	X		ABUTMENT ENDS	
C406	20	9-7	X		WINGS I THRU 4 - TOP F.F. AND B.F.	
C607	8	9-7	X		WINGS I THRU 4 - TOP F.F. AND B.F.	
C508	6	12-11	X		WING 4 - F.F.	
C609	6	12-11	X		WING 4 - B.F. AND TOP SUBSTRUCTURE	
C610	62	2-0	X		ABUTMENTS - DWEL	
TOTAL WEIGHT = 2,550 LBS						

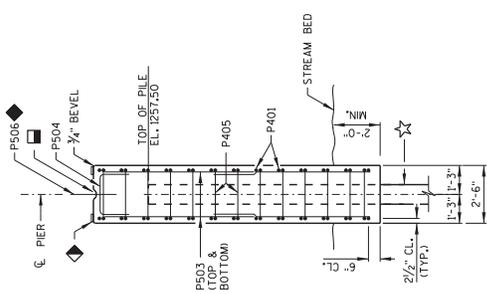


PILE SPLICE DETAIL

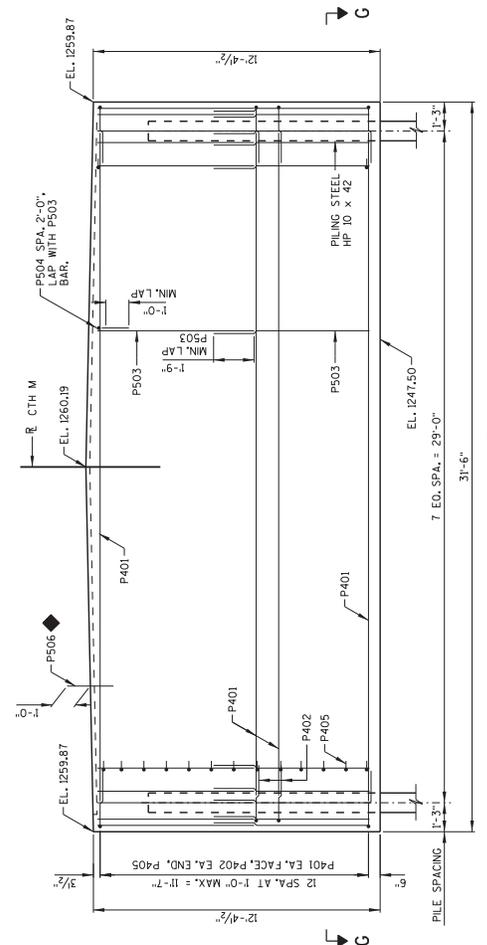
HP WELD DETAIL
(FLANGE SHOWN, WEB SIMILAR)

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE B-37-446			
DESIGN	DRAWN	CHECKED	EAN
SHEET 9 OF 13			
ABUTMENT DETAILS			
571			

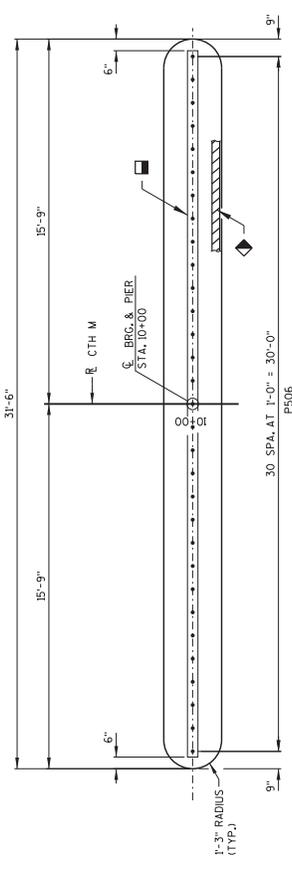
Addendum No. 01
ID 6666-04-70
Added Sheet 57J
February 18, 2020



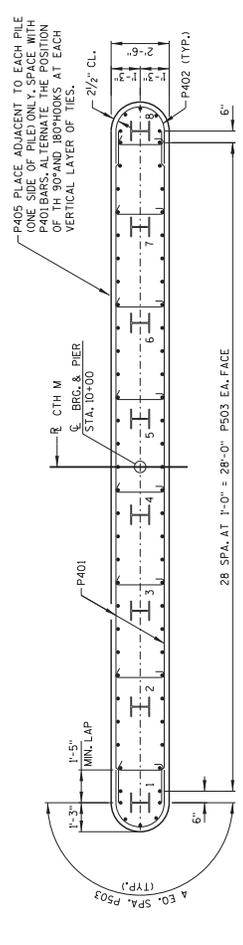
TYPICAL SECTION
THRU PIER



ELEVATION
LOOKING UPSTATION



PLAN



SECTION G-G

BILL OF BARS

DIMENSIONS IN BENDING DETAILS ARE OUT TO OUT OF BARS.

MARK	NO.	RECD	LENGTH	BENT SERIES	LOCATION	TOTAL WEIGHT = 2,000 LBS
NON-COATED BARS						
P401	26	29'-0"		PIER - EA. FACE	HORIZ	
P402	26	6'-2"	X	PIER - ENDS	HORIZ	
P503	136	7'-10"		PIER - EA. FACE	VERT	
P504	15	4'-9"	X	PIER - TOP	HORIZ	
P405	104	2'-11"	X	PIER - TIES	HORIZ	
COATED BARS						
P506	31	2'-0"		PIER - DOWEL		

LEGEND
FOR SYMBOL DESCRIPTIONS SEE SHT. 5

NOTE

EXCAVATE TO EL. 1247.50 BEFORE SETTING PILING. EXCAVATION IS INCIDENTAL TO BID ITEM 'EXCAVATION FOR STRUCTURES B-37-446'. AT PIER, CONCRETE POURED UNDERWATER WILL BE ALLOWED AND SHALL BE DONE IN ACCORDANCE WITH STANDARD SPEC. 502.3.5.3. CONCRETE POURED UNDERWATER SHALL NOT EXCEED 10 FEET IN DEPTH, UNLESS OTHERWISE APPROVED.

PILE NOTE

PIER TO BE SUPPORTED ON PILING STEEL HP 10-INCH x 42 LB. PILING ESTIMATED 20'-0" LONG. PILING TO BE PLACED IN PRE-BORED HOLES CORED 3'-0" INTO COMPETENT ROCK AND DO NOT REQUIRE DRIVING. PILING SHALL BE FIRMLY SEATED AFTER PLACEMENT.

NO.	DATE	REVISION	BY
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION			
STRUCTURE B-37-446			
DESIGNED BY KAM		CHECKED BY EAN	
PIER			SHEET 10 OF 13
			57J

Addendum No. 01
ID 6666-04-70
Added Sheet 57L
February 18, 2020

