APRIL 2017

ORDER OF SHEETS

Section No. 1 Section No. 2 Typical Sections and Details Section No. 3

Estimate of Quantities Section No. 3 Miscellaneous Quantities Right of Way Plat

Section No. 6 Standard Detail Drawings

Section No. 8 Structure Plans

Computer Earthwork Date

TOTAL SHEETS = 28

DESIGN DESIGNATION

CONVENTIONAL SYMBOLS

LIMITED HIGHWAY EASEMENT

PROPOSED OR NEW R/W LINE

EXISTING RIGHT OF WAY

SLOPE INTERCEPT

REFERENCE LINE

EXISTING CULVERT

PROPOSED CULVERT (Box or Pipe)

COMBUSTIBLE FLUIDS

WOODED OR SHRUB AREA

MARSH AREA

CORPORATE LIMITS

PROPERTY LINE

LOT LINE

2012 = 5700

= N/A

= N/A

= N/A

= N/A

A.A.D.T.

A.A.D.T.

DESIGN SPEED

D.H.V.

ESALS

D.D.

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

FEDERAL PROJECT STATE PROJECT PROJECT CONTRACT 9995-03-61

ORIGINAL PLANS PREPARED BY:

◆BUILDINGS ◆ EARTH & ENVIRONMENT ◆ENERGY ◆

INDUSTRIAL ◆INFRASTRUCTURE ◆SUSTAINABILITY ◆

ROEMER

STATE OF WISCONSIN

DEPARTMENT OF TRANSPORTATION

exp U.S. Services Inc. t: +1.414.221.0088 | f: +1.414.221.0537

Milwaukee, WI 53202 U.S.A.

PREPARED BY

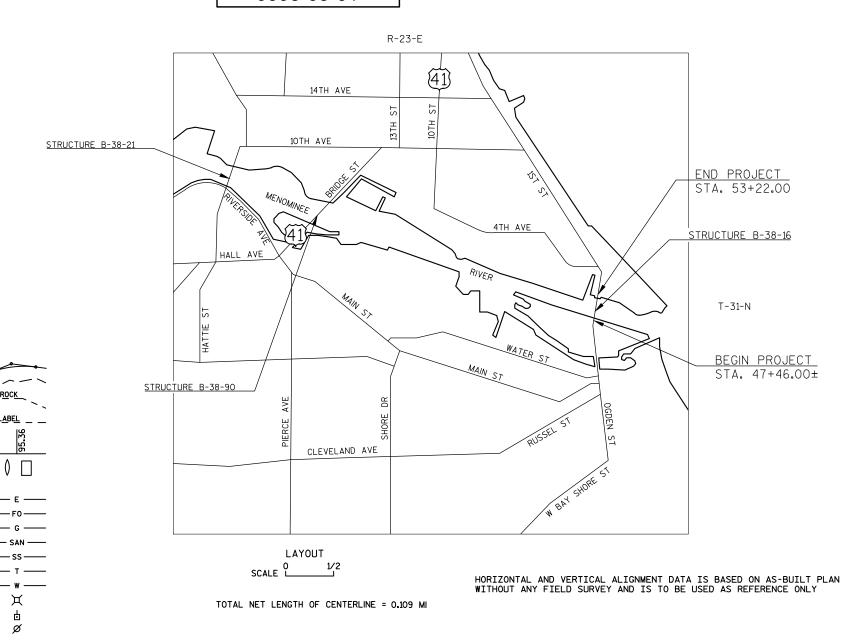
Surveyor

CITY OF MARINETTE, LIFT STRUCTURE

OGDEN STREET BRIDGE, B-38-16 MENOMINEE RIVER 84.10

LOCAL STREET MARINETTE COUNTY

STATE PROJECT NUMBER 9995-03-61



FILE NAME : F:\DOC_EXP\CHI-00209341-A0\CIVIL\SHEETSPLAN - 99950361\010101_TI.DWG

PROFILE

GRADE LINE

ORIGINAL GROUND

SPECIAL DITCH

UTILITIES

ELECTRIC

FIBER OPTIC

SANITARY SEWER

UTILITY PEDESTAL

TELEPHONE POLE

STORM SEWER TELEPHONE

POWER POLE

GRADE ELEVATION

MARSH OR ROCK PROFILE

CULVERT (Profile View)

(To be noted as such)

PLOT DATE: 11/29/2016 9:34 AM

PLOT BY : JASEN GROVES

PLOT NAME :

exp US Services, Inc

Paul Zoellner, P.E.

Don Segerstrom

STANDARD ABBREVIATIONS:

ASPH ASPHALT AVE. **AVENUE** APT. APARTMENT BASE AGGREGATE DENSE BAD BLDG. BLIII DING BENCH MARK RM# C&g CURB AND GUTTER CENTERLINE CL CLASS CONC CONCRETE CONSTRUCTION CONST. COR. CORNER CONTROL POINT CP# CP CULVERT PIPE D/W DRIVEWAY EX. EXISTING EXC EXCAVATION FIELD OF ENTRANCE FΕ F.L FT FLOWLINE GΫ GAS VALVE HS. HOUSE INL. INLET L.F LINEAR FOOT N.T.S NOT TO SCALE P.C POINT OF CURVE PCC. PORTLAND CONCRETE CEMENT

PRIVATE ENTRANCE

POINT OF INTERSECT

POINT OF TANGENCY

STATE TRUNK HIGHWAY

RADIUS

REQUIRED

REMOVE RIGHT OF WAY

SECTION

TANGENT

WETLAND WATER VALVE

SQUARE FOOT

PERMANENT LIMITED EASEMENT

TEMPORARY LIMITED EASEMENT

VERTICAL POINT OF TANGENCY

VERTICAL POINT OF CURVE

PROJECT CONTACTS

DESIGN CONTACT MR. JEFF ROEMER, P.E. exp US SERVICES, INC. 241 NORTH BROADWAY, SUITE 203 MILWAUKEE, WI 53202 PHONE: (414) 221-0088 EMAIL: jeff.roemer@exp.com

WISCONSIN DNR LIAISON MR. JIM DOPERALSKI, JR. 2984 SHAWANO AVENUE GREEN BAY, WI 54313 PHONE: (920) 662-5119

EMAIL: james.doperalski@wisconsin.gov

UNITED STATES COAST GUARD 9TH COAST GUARD DISTRICT 1240 E NINTH ST CLEVELAND, OH 44199 PHONE: (216) 902-6084

WATER RESOURCES DIVISION UPPER PENINSULA DISTRICT OFFICE JOHN GUSTAFSON 1504 WEST WASHINGTON STREET MARQUETTE, MI 49855 PHONE: (906) 203-98873 EMAIL: gustafsonj2@michigan.gov

U.S. ARMY CORPS OF ENGINEERS RYAN J HUBER GREEN BAY FIELD OFFICE 211 N. BROADWAY, SUITE 221 GREEN BAY, WI 54303 PHONE: (651) 290-5859 EMAIL: ryan.j.huber@usace.army.mil

CITY OF MENOMONEE. MI DEPARTMENT OF PUBLIC WORKS VALERIE MELLON, PE DIRECTOR OF PUBLIC WORKS/CITY ENGINEER CITY OF MENOMINEE PHONE: (906) 863-1751

WISCONSIN DOT - NORTHEAST REGION PAUL ZOELLNER 944 VANDERPERREN WAY GREEN BAY, WI 54304 PHONE: (920) 492-0132

GENERAL NOTES

THE LOCATION OF EXISTING AND PROPOSED UTILITY FACILITIES AS SHOWN ON THE PLAN ARE APPROXIMATE. THERE MAY BE OTHER UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT

THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND ALL UTILITIES IN THE VICINITY OF THE PROJECT TO LOCATE THEIR FACILITIES AT LEAST THREE DAYS PRIOR TO BEGINNING OF WORK. EROSION CONTROL FEATURES ARE AT SUGGESTED LOCATIONS AND THE EXACT LOCATION WILL BE DETERMINED BY THE ENGINEER.

TRAFFIC CONTROL DEVICES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.

UTILITY CONTACT LIST

PΕ P.I.

P.L.E

REQ'D

REMO

R/W SEC

S.F.

STH

TLE **VPC**

VPT

W/L

P.T

WISCONSIN PUBLIC SERVICE - ELECTRIC MR. ROBERT FALASH 700 N ADAMS ST P.O. BOX 19001 GREEN BAY, WI 54307-9001 PHONE: (906) 863-4319 EMAIL: rjfalash@wisconsinpublicservice.com



Dial or (800) 242-8511 www.DiggersHotline.com

PROJECT NO: 9995-03-61

HWY: MENOMINEE RIVER BRIDGE

COUNTY: MARINETTE

GENERAL NOTES

PLOT BY : AARON SCHRAMM

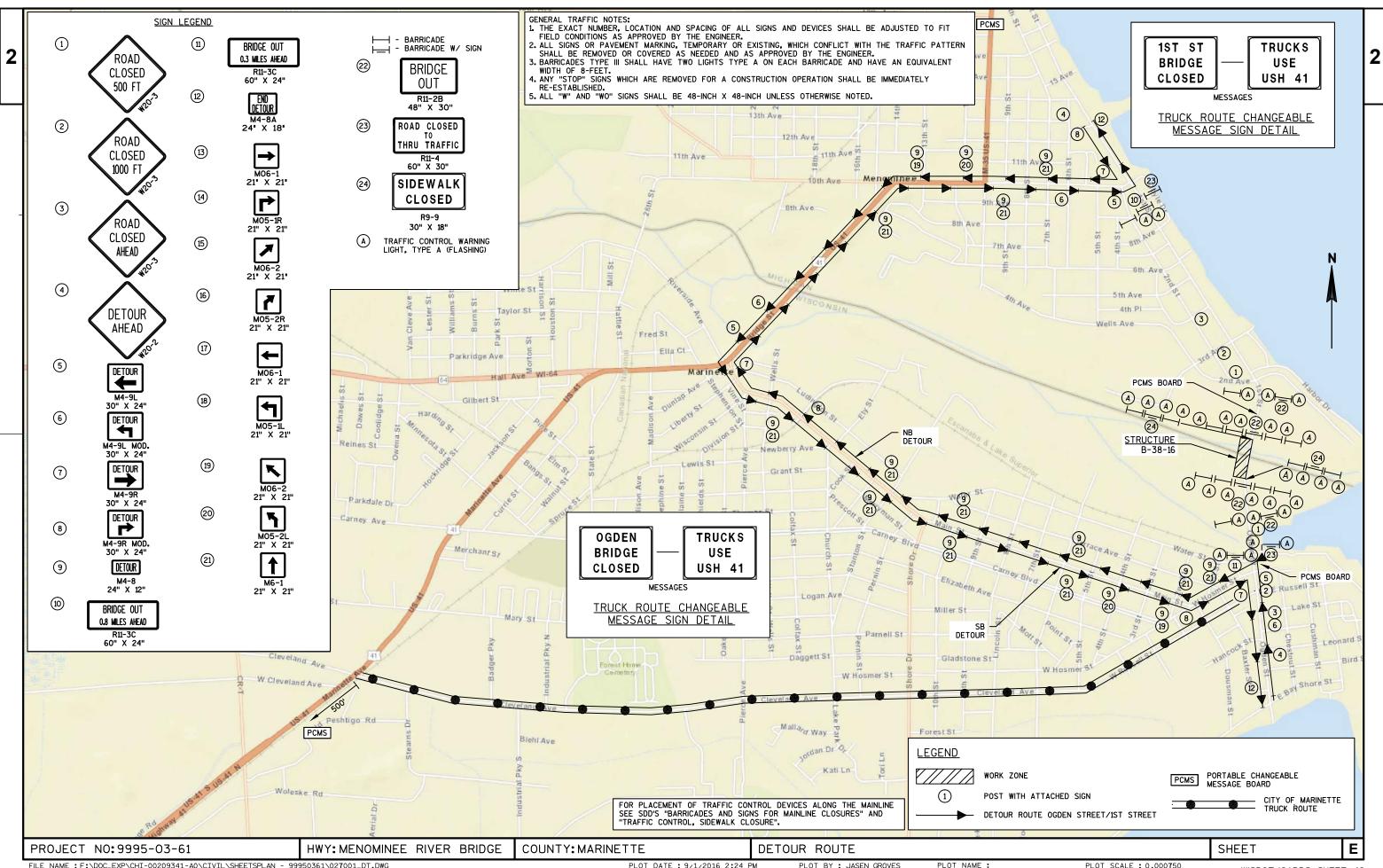
SHEET

Ε

FILE NAME: F:\DOC_EXP\CHI-00209341-A0\CIVIL\SHEETSPLAN - 99950361\020101_GN.DWG

PLOT NAME :





Page 1

Estimate Of Quantities		

					9995-03-61
Line	Item	Item Description	Unit	Total	Qty
0010	213.0100	Finishing Roadway (project) 01. 9995-03-61	EACH	1.000	1.000
0020	517.1800.S	Structure Repainting Recycled Abrasive (structure) 01. B-38-0016	LS	1.000	1.000
0030	517.4500.S	Negative Pressure Containment and Collection of Waste Materials (structure) 01. B-38-0016	LS	1.000	1.000
0040	517.6001.S	Portable Decontamination Facility 01. B-38-0016	EACH	1.000	1.000
0050	619.1000	Mobilization	EACH	1.000	1.000
0060	642.5001	Field Office Type B	EACH	1.000	1.000
0070	643.0100	Traffic Control (project) 01. 9995-03-61	EACH	1.000	1.000
0800	643.0300	Traffic Control Drums	DAY	140.000	140.000
0090	643.0410	Traffic Control Barricades Type II	DAY	710.000	710.000
0100	643.0420	Traffic Control Barricades Type III	DAY	2,200.000	2,200.000
0110	643.0705	Traffic Control Warning Lights Type A	DAY	3,680.000	3,680.000
0120	643.0900	Traffic Control Signs	DAY	1,170.000	1,170.000
0130	643.1050	Traffic Control Signs PCMS	DAY	50.000	50.000
0140	643.2000	Traffic Control Detour (project) 01. 9995-03-61	EACH	1.000	1.000
0150	643.3000	Traffic Control Detour Signs	DAY	6,130.000	6,130.000
0160	SPV.0090	Special 01. Waterseal Joint	LF	72.000	72.000
0170	SPV.0090	Special 02. Curb Repair Special	LF	166.000	166.000
0180	SPV.0105	Special 01. Sidewalk Repair	LS	1.000	1.000
0190	SPV.0105	Special 02. Enclosures And Seals	LS	1.000	1.000
0200	SPV.0105	Special 03. Machinery Rehabilitation	LS	1.000	1.000
0210	SPV.0105	Special 04. Electrical Work	LS	1.000	1.000

_ <

						TRAFFIC CO	NTROL						
	FINISHING ROADWAY		ESTIMATED DURATION TIME DAYS	TRAFFIC CONTROL (PROJECT) 9995-03-61 643.0100 EACH	TRAFFIC CONTROL DRUMS 643.0300 DAYS	TRAFFIC CONTROL BARRICADES TYPE II 643.0410 DAYS	TRAFFIC CONTROL BARRICADES TYPE III 643.0420 DAYS	TRAFFIC CONTROL WARNING LIGHTS TYPE A 643.0705 DAYS	TRAFFIC CONTROL SIGNS 643.0900 DAYS	TRAFFIC CONTROL SIGNS PCMS 643.1050 DAYS	TRAFFIC CONTROL DETOUR (PROJECT) 9995-03-61 643.2000 EACH	TRAFFIC CONTROL DETOUR SIGNS 643.3000 DAY	
3	FINISHING ROADWAY	STAGE 1 DETOUR ADVANCE	10	1	60	-	-	-	-	20	1		
	213.0100 LOCATION EACH	OGDEN STREET BRIDGE DETOUR STAGE 2	20	-	-	120	380	640	200	-		1,060	ŀ
	OGDEN ST BRIDGE 1	DETOUR ADVANCE OGDEN STREET BRIDGE DETOUR UNDISTRIBUTED	10 90 -	- - -	60 - 20	- 540 50	- 1,710 110	- 2,880 160	- 900 70	20 - 10	- - -	- 4,770 300	
	TOTAL ID 9995-03-61 (0010) 1	TOTALS ID 9995-03-61 (0010)		1	140	710	2,200	3,680	1,170	50	1	6,130	
	MOBILIZATION MOBILIZATION 619.1000 LOCATION EACH OGDEN ST BRIDGE 1 TOTAL ID 9995-03-61 (0010) 1												
	FIELD OFFICE FIELD OFFICE TYPE B 642.5001 LOCATION EACH OGDEN ST BRIDGE 1 TOTAL ID 9995-03-61 (0010) 1												

MISCELLANEOUS QUANTITIES

HWY: MENOMINEE RIVER BRIDGE COUNTY: MARINETTE

PROJECT NO: 9995-03-61

SHEET

Standard Detail Drawing List

15C02-06A	BARRI CADES AN	ND SIGNS	FOR MAI	NLI NE	CLOSURES
15C02-06B	BARRI CADES AN	ND SIGNS	FOR MAI	NLI NE	CLOSURES
15C02-06C	DETOUR SIGNIN	NG FOR MA	INLINE	CLOSUR	ES.
15D30-03A	TRAFFIC CONTR	ROL, PEDE	STRI AN	ACCOMM	IODATI ON



ROAD CLOSURE BARRICADE DETAIL

APPROACH VIEW



DETAIL E LANE CLOSURE BARRICADE DETAIL APPROACH VIEW

SEE SDD 15C2-SHEET "a" FOR LEGEND

GENERAL NOTES

THE EXACT NUMBER, LOCATION, AND SPACING OF ALL SIGNS AND BARRICADES SHALL BE ADJUSTED TO FIT FIELD CONDITIONS AS APPROVED BY THE ENGINEER.

ANY SIGNS TEMPORARY OR EXISTING, WHICH CONFLICT WITH TRAFFIC CONTROL "IN USE" SHALL BE REMOVED OR COVERED AS NEEDED AND AS APPROVED BY THE ENGINEER.

THE SPACING BETWEEN TRAFFIC CONTROL SIGNS SHOULD BE ADJUSTED TO NOT CONFLICT WITH AND SHOULD PROVIDE A DESIRABLE MINIMUM OF 200 FEET CLEARANCE TO EXISTING SIGNS THAT WILL REMAIN IN PLACE.

BARRICADES THAT MUST BE MOVED FOR A WORK OPERATION SHALL BE IMMEDIATELY RE-ESTABLISHED UPON COMPLETION OF THE OPERATION OR, FOR CONTINUING OPERATIONS, AT THE END OF EACH WORKING DAY.

SIGNS THAT WILL BE IN PLACE LESS THAN 7 CONTINUOUS DAYS AND NIGHTS MAY BE MOUNTED ON PORTABLE SUPPORTS.

ALL TYPE III BARRICADES SHALL HAVE RAILS REFLECTORIZED ON BOTH FACES. STRIPES SHALL BE PROPERLY SLOPED DOWN TOWARD THE TRAFFIC SIDE OR AS SHOWN IN THE ROAD CLOSURE BARRICADE DETAIL D FOR FULL ROAD CLOSURES.

TYPE "A" LOW-INTENSITY FLASHING WARNING LIGHTS SHALL BE VISIBLE ON BOTH SIDES OF THE

THE R11-2, R11-3, M4-9, R11-4 AND R10-61 SIGNS PLACED ON BARRICADES SHALL COVER NO MORE THAN THE TOP RAIL. THE SIGNS SHALL NOT COVER ANY PORTION OF THE MIDDLE OR BOTTOM RAILS.

"WO AND "MO" SIGNS ARE THE SAME AS "W" AND "M" SIGNS EXCEPT THE BACKGROUND IS ORANGE.

ALL SIGNS SHALL BE 48" X 48" UNLESS OTHERWISE NOTED BELOW:

R11-2 SHALL BE 48" X 30". R11-3, R11-4 AND R10-61 SHALL BE 60" X 30". M4-9 SHALL BE 30" X 24". M3-X SHALL BE 24" X 12". (36" X 18" IF NEEDED TO MATCH EXISTING SIGNS.) M4-8 SHALL BE 24" X 12". (30" X 15" IF NEEDED TO MATCH EXISTING SIGNS.) M1-4, M1-5A, AND M1-6 SHALL BE 24" X 24". (36" X 36" IF NEEDED TO MATCH EXISTING SIGNS.) MO5-1 AND MO6-1 SHALL BE 21" X 21". (30" X 30" IF NEEDED TO MATCH EXISTING SIGNS.) D1-X SHALL BE AS SHOWN ON SPECIFIC PROJECT SIGNING DETAIL SHEETS. R1-1 SHALL BE 36" X 36".

- (1) TWO WARNING LIGHTS SHALL BE PROVIDED ON THE CENTER BARRICADE AND A MINIMUM OF ONE WARNING LIGHT SHALL BE PROVIDED ON EACH OF THE OTHER BARRICADES WITHIN THE ROADWAY LIMITS. SPACING OF THE WARNING LIGHTS SHALL BE UNIFORM TO THE EDGE OF ROADWAY AS SHOWN (APPROX. 8-FOOT
- THESE SIGNS AND BARRICADES ARE NOT REQUIRED IF ROAD CLOSURE BEGINS AT INTERSECTION.
- FOR ROAD CLOSURE WITHOUT LOCAL ACCESS TO PROJECT, SEE ROAD CLOSURE BARRICADE DETAIL D.
- FOR ROAD CLOSURE WITH LOCAL ACCESS TO PROJECT, SEE LANE CLOSURE BARRICADE DETAIL E.
- FOR BRIDGE OR CULVERT REPLACEMENTS, SUBSTITUTE "BRIDGE OUT" INSTEAD OF "ROAD CLOSED" ON R11-2 AND R11-3 SIGNS.
- INSTALL DETOUR AND COMMUNITY GUIDE SIGNS AND ARROWS ONLY IF SPECIFIED IN THE CONTRACT. IF THERE ARE EXISTING ROUTE MARKER ASSEMBLIES THAT WILL REMAIN IN PLACE, ADJUST THE LOCATION OF THE DETOUR ROUTE SIGNS TO CORRESPOND WITH THE EXISTING ASSEMBLIES. MODIFY EXISTING SIGNS WHERE POSSIBLE. SEE SPECIFIC PROJECT DETOUR SIGNING DETAIL SHEETS. IF DETOUR SIGNS ARE BEING INSTALLED BY OTHERS. PLACE THE CONTRACTED TRAFFIC CONTROL SIGNS TO ALLOW FOR PLACEMENT OF ALL WARNING, DETOUR AND GUIDE SIGNS AS SHOWN.
- "EAST" CARDINAL DIRECTION MARKERS AND RIGHT TURN ARROWS ARE SHOWN. USE OTHER CARDINAL DIRECTIONS AND ARROWS AS APPROPRIATE.

BARRICADES AND SIGNS FOR MAINLINE CLOSURES

2

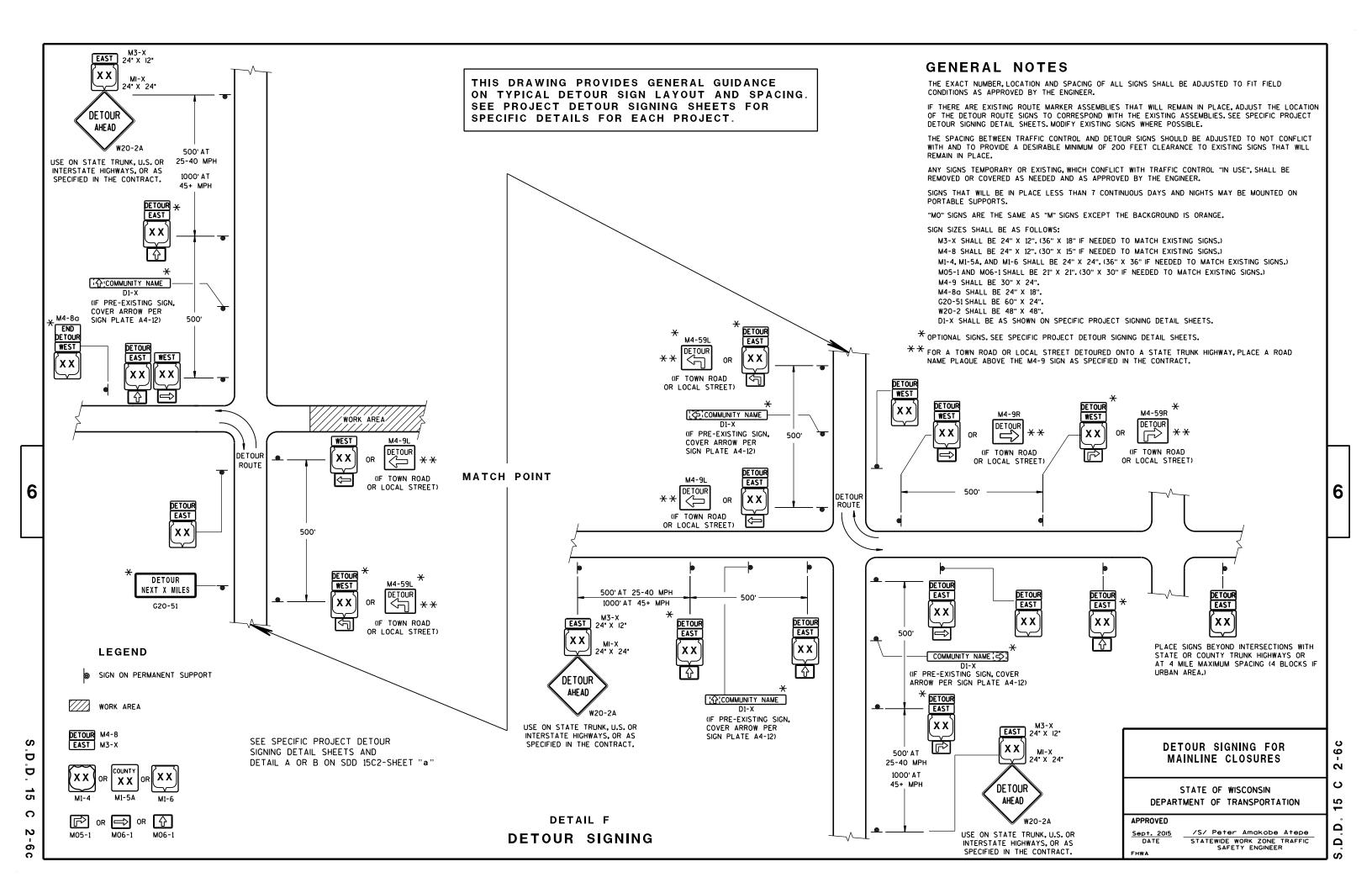
2

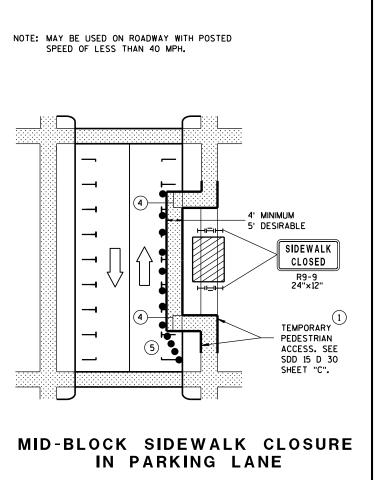
Ω

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

/S/ Peter Amakobe Atepe

STATEWIDE WORK ZONE TRAFFIC SAFETY ENGINEER





NOTE: LAYOUT SAME AS ABOVE. 4' MINIMUM 5' DESIRABLE SIDEWALK CLOSED RQ-Q TEMPORARY PEDESTRIAN ACCESS. SEE SDD 15 D 30 SHEET "C". SIDEWALK DIVERSION

6

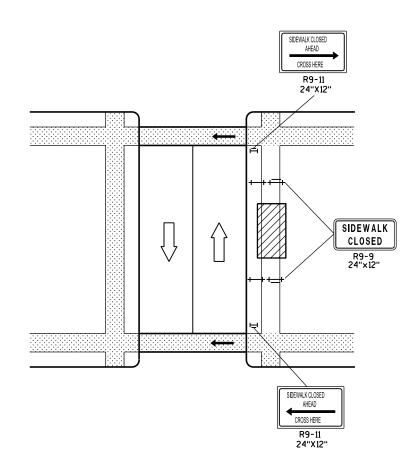
D

D

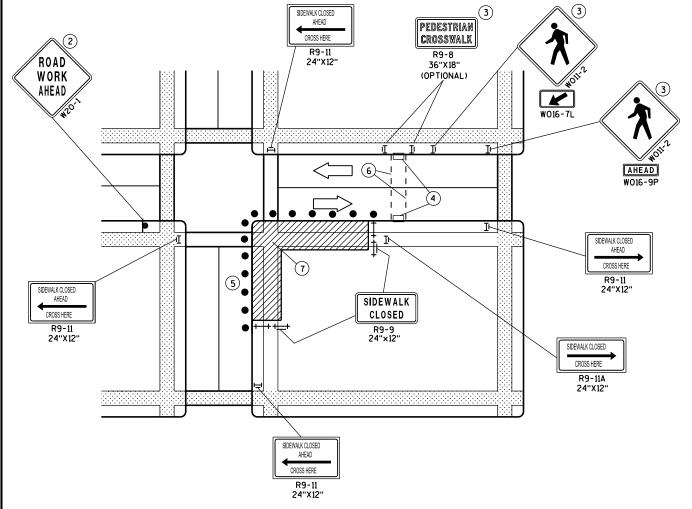
15

D

0



MID-BLOCK SIDEWALK CLOSURE



CORNER SIDEWALK CLOSURE WITH TEMPORARY CROSSWALK

GENERAL NOTES

WHEN CLOSING OR RELOCATING CROSSWALKS OR SIDEWALKS, PROVIDE DETECABLE TEMPORARY FACILITIES AND INCLUDE ACCESSIBILITY FEATURES CONSISTENT WITH EXISTING PEDESTRIAN FACILITIES.

TEMPORARY TRAFFIC CONTROL DEVICES FOR PEDESTRIANS ARE SHOWN. OTHER DEVICES MAY BE NECESSARY TO CONTROL VEHICULAR TRAFFIC. STAGE WORK, AS NECESSARY, TO PROVIDE A TEMPORARY PEDESTRIAN ACCESS ROUTE AT ALL TIMES. FOR ROADWAYS WITH NO AVAILABLE DETOURS, MAINTAIN ONE OPEN SIDEWALK AT ALL TIMES.

"WO" SIGN IS THE SAME AS "W" SIGN EXCEPT THE BACKGROUND IS ORANGE.

FOR NIGHTTIME CLOSURE USE TYPE "A" FLASHING WARNING LIGHTS ON BARRICADES, SUPPORTING SIGNS AND CLOSING SIDEWALK. USE TYPE "C" STEADY BURN LIGHTS ON CHANNELIZING DEVICES SEPARATING THE WORK AREA FROM VEHICULAR TRAFFIC.

PEDESTRIAN TRAFFIC SIGNAL DISPLAY CONTROLLING CLOSED CROSSWALK SHALL BE COVERED OR DEACTIVATED.

POST MOUNTED SIGNS LOCATED ADJACENT TO A SIDEWALK SHALL HAVE A 7 FOOT MINIMUM CLEARANCE FROM THE BOTTOM OF THE SIGN TO THE SIDEWALK SURFACE.

ALTERNATE SIDEWALK WORK BETWEEN LEFT AND RIGHT SIDE OF ROADWAY TO MAINTAIN PEDESTRIAN ACCESS.

- 1) IF SIDEWALK CLOSURE AFFECTS AN ACCESSIBLE AND DETECTABLE FACILITY, MAINTAIN ACCESSIBILITY AND DETECTABILITY ALONG THE ALTERNATE PEDESTRIAN ROUTE.
- (2) "ROAD WORK AHEAD" SIGNS ARE NOT REQUIRED IF THE SIDEWALK CLOSURE OCCURS WITHIN A LARGER WORK ZONE WHERE ADVANCE WARNING SIGNS ARE ALREADY PRESENT, OR IF THE WORK AREA AND EQUIPMENT ARE MORE THAN 2 FEET BEHIND THE CURB.
- (3) IF TEMPORARY PEDESTRIAN CROSSWALK IS NOT PROVIDED, OMIT R9-8 AND WO11-2 SIGN ASSEMBLIES. IF PROVIDED INCLUDE ON BOTH SIDES OF THE CROSSWALK.
- (4) TEMPORARY CURB RAMPS. SEE SDD 15 D 30 SHEET "B".
- (5) DRUMS OR BARRICADES AT 25 FOOT SPACING. STREET PARKING SHALL BE PROHIBITED FOR AT LEAST 50 FEET IN ADVANCE OF THE MID-BLOCK CROSSWALK.
- (6) TEMPORARY PAVEMENT MARKING FOR CROSSWALK LINES.
- (7) LIMIT WORK TO ONE QUADRANT AT A TIME TO MINIMIZE PEDESTRIAN

LEGEND

SIGN ON PERMANENT SUPPORT

UNDER PEDESTRIAN TRAFFIC

TRAFFIC TRAFFIC CONTOL DRUM

DIRECTION OF

WORK AREA PEDESTRIAN

CHANNELIZATION DEVICE

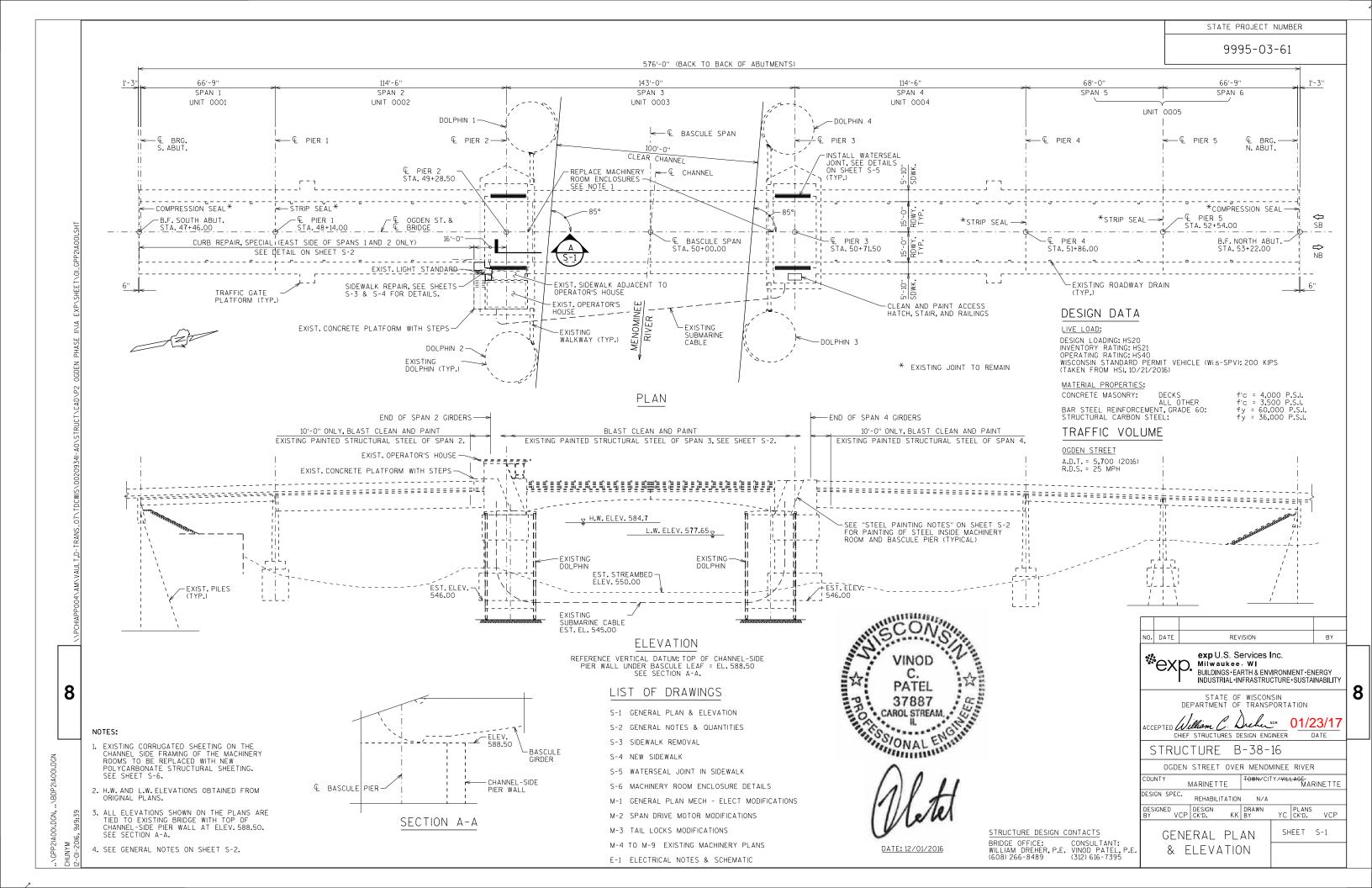
TYPE II BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A. LOW-INTENSITY FLASHING)

TYPE III BARRICADE WITH/WITHOUT SIGN (ALL WITH ONE WARNING LIGHT, TYPE A, LOW-INTENSITY FLASHING)

TRAFFIC CONTROL, PEDESTRIAN ACCOMMODATION

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION က 0 က Ω Ω

Ω



CURB REPAIR, SPECIAL

C401 X 20 9'-4"

BLAST CLEAN AND PAINT ALL EXPOSED AND ACCESSIBLE STRUCTURAL STEEL SURFACES IN THE BASCULE SPAN, EXCEPT FOR GALVANIZED STEEL

THE AREA TO BE BLAST CLEANED AND PAINTED INCLUDES THE BASCULE GIRDERS, THE BASCULE FLOOR BEAMS, THE STEEL AROUND THE TRUNNIONS AND COUNTERWEIGHTS ON THE MOVABLE LEAVES, TRACKS, AND ALL FIXED FRAMING IN THE BASCULE PIERS (ANCHOR FRAMES, RACK GIRDERS, ETC.).

BLAST CLEAN AND PAINT BASCULE SPAN STRUCTURAL STEEL WITHIN THE MACHINERY ROOMS (INCLUDING NEW SUPPORT ANGLES FOR M/C ROOM ENCLOSURES), MACHINERY SUPPORTS AND MACHINERY ROOM FLOOR. TAKE MEASURES TO PROTECT CONDUITS, ELECTRICAL BOXES, BEARINGS AND MACHINERY FROM DAMAGE OR CONTAMINATION DURING BLAST CLEANING AND PAINTING

BASCULE PIERS (EXCLUDING THOSE INSIDE THE BRIDGE HOUSE), ACCESS HATCH IN THE NORTHEAST SIDEWALK, AND OLD HAND RAILS ATTACHED TO THE TIMBER

THERE IS EXISTING NETTING TO PREVENT BIRDS FROM ENTERING THE BASCULE PIERS. THE NETTING IS CLAMPED TO THE EXISTING STRUCTURAL STEEL. REMOVE AND REINSTALL THIS NETTING AS PART OF THE CLEANING AND PAINTING WORK.

THE STEEL STRINGERS AND STEEL GRID DECK OF THE BASCULE SPAN ARE CONSTRUCTED OF GALVANIZED STEEL. THIS STEEL SHALL NOT BE BLAST CLEANED OR PAINTED. MEASURES SHALL BE TAKEN TO PROTECT THE GALVANIZING COATING DURING BLAST CLEANING AND PAINTING OF THE BASCULE GIRDERS AND FLOOR BEAMS. STRINGER NO. 1 NEAR THE WEST JAW IS PAINTED STEEL AND SPLICED DUE TO SHIP DAMAGE REPAIRS. NORTH AND SOUTH SPLICE PLATES ARE NOT GALVANIZED AND SHALL BE PAINTED.

BLAST CLEAN AND PAINT A PORTION OF STRUCTURAL STEEL IN SPANS 2 AND 4, AS SHOWN ON SHEET S-1

THE TOP COAT COLOR OF THE PAINT SYSTEM SHALL BE FEDERAL STANDARD NO. 595C. THE COLOR OUTSIDE OF MACHINERY ROOMS SHALL BE LIGHT GRAY (#26293), AND THE COLOR INSIDE OF MACHINERY ROOMS SHALL BE WHITE (#27925), OR AS DIRECTED BY THE FIELD

STRINGERS, GALVANIZED STEEL GRID DE GALVANIZED STEEL SIDEWALK PLATES.

CLEAN AND PAINT ALL STEEL PLATFORMS, STAIRS AND RAILINGS INSIDE THE MACHINERY ROOMS AND INSIDE THE

AND THE CROSS SECTION ON SHEET S-2.

CLEANING AND PAINTING OF MACHINERY IS SPECIFIED UNDER BID ITEM, "MACHINERY REHABILITATION".

0 LBS

130 LBS

CURB REPAIR - EAST SIDE OF SPANS 1 & 2

GENERAL NOTES

- 1. DRAWINGS SHALL NOT BE SCALED.
- 2. DIMENSIONS SHOWN ARE BASED ON THE ORIGINAL STRUCTURE PLANS, SHOP DRWAINGS, AND PREVIOUS REHABILITATION PLANS.
- 3. ALL BOLTS AND NUTS SHALL BE GALVANIZED, UNLESS NOTED OTHERWISE.

STATE PROJECT NUMBER

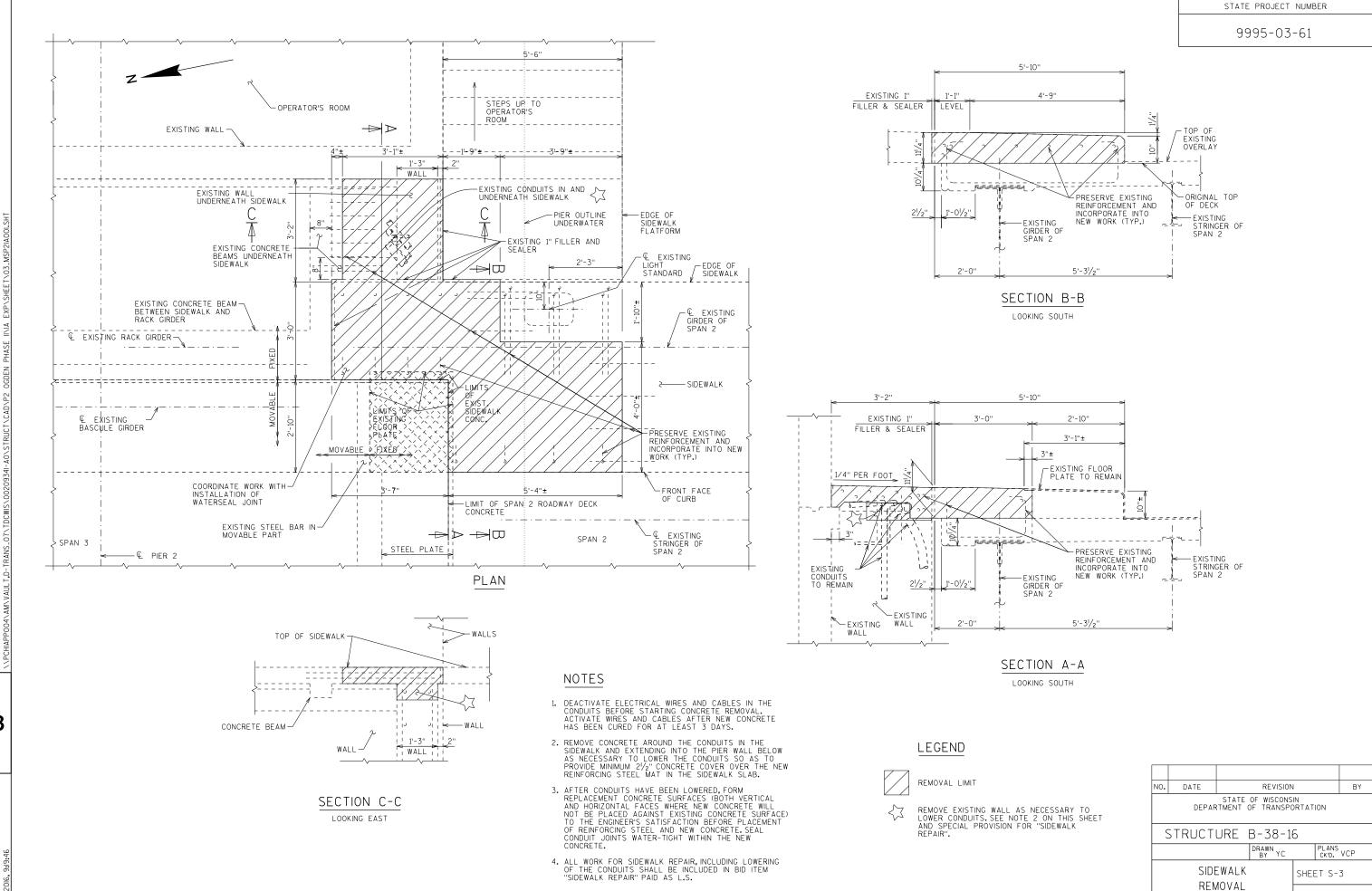
9995-03-61

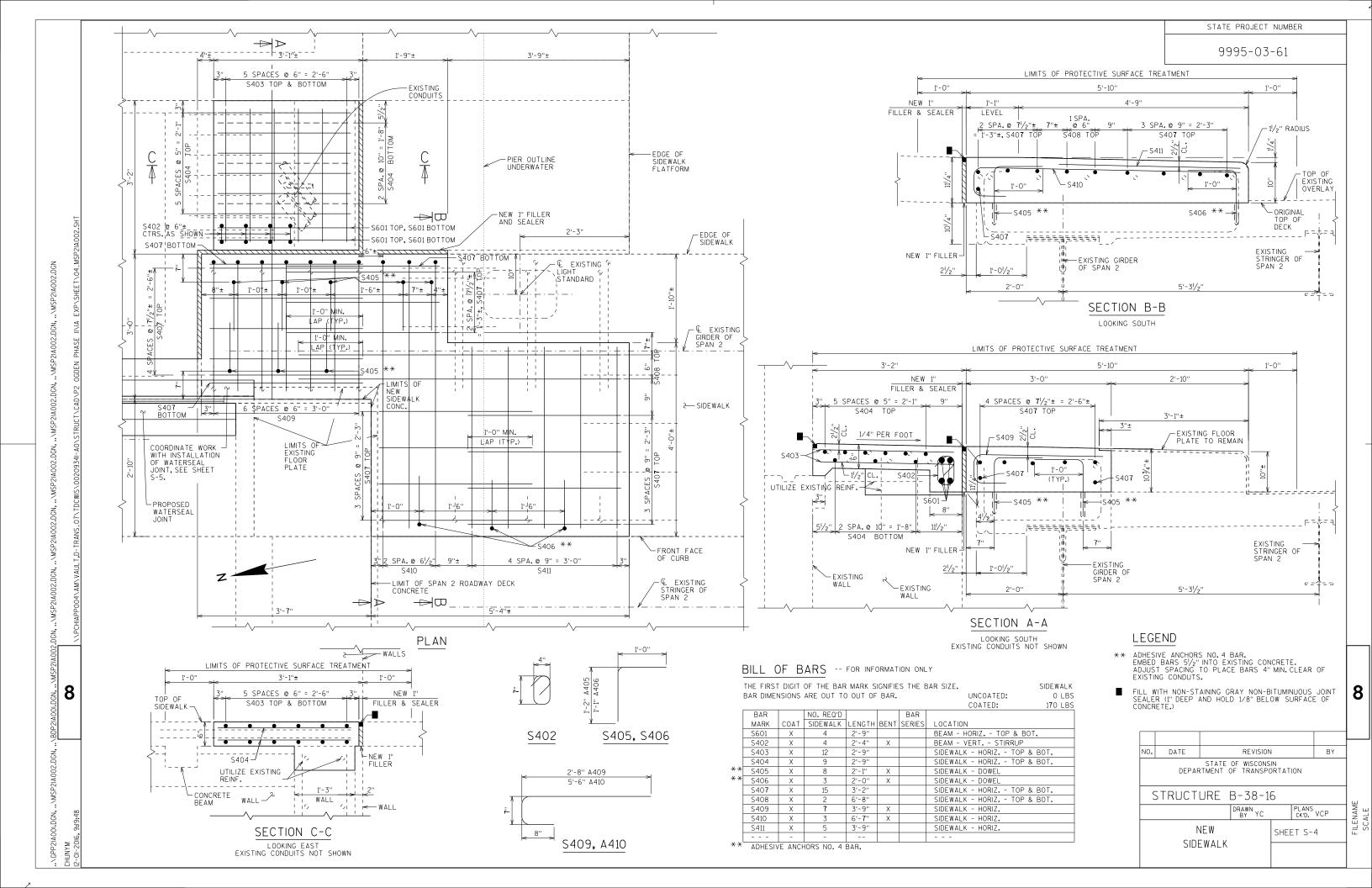
- 4. REFER TO SPECIFICATIONS FOR REQUIREMENTS TO MAINTAIN NAVIGATION CHANNEL AND TO PERFORM WORK WITH BASCULE LEAF IN OPEN POSITION.
- 5. UTILIZE EXISTING BAR STEEL REINFORCEMENT WHERE SHOWN AND EXTEND MINIMUM 24 BAR DIAMETERS INTO NEW WORK, UNLESS SPECIFIED OTHERWISE.
- 6. BAR STEEL REINFORCEMENT SHALL BE EMBEDDED 2" CLEAR UNLESS OTHERWISE SHOWN OR NOTED.

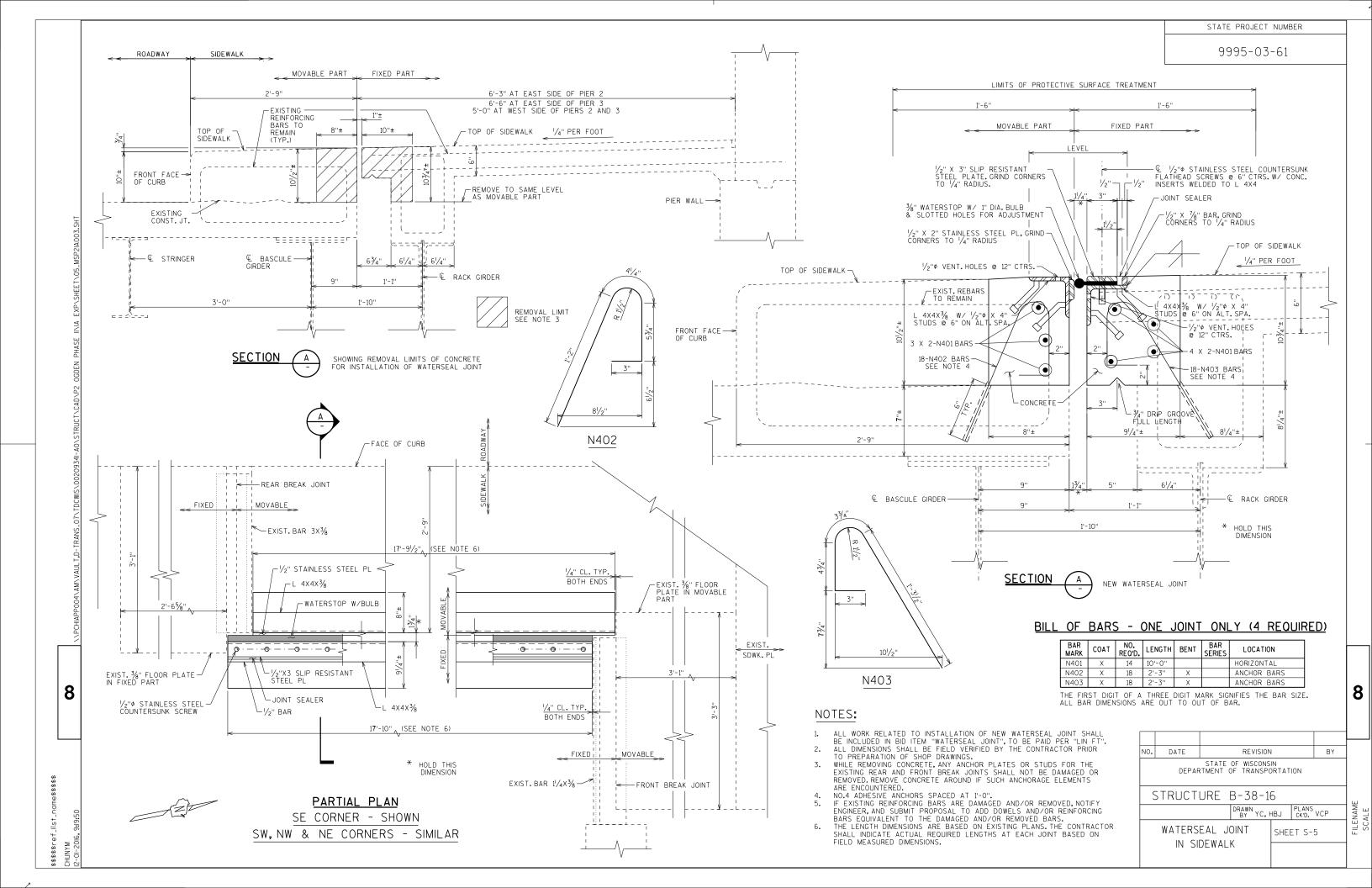
TOTAL ESTIMATED QUANTITIES

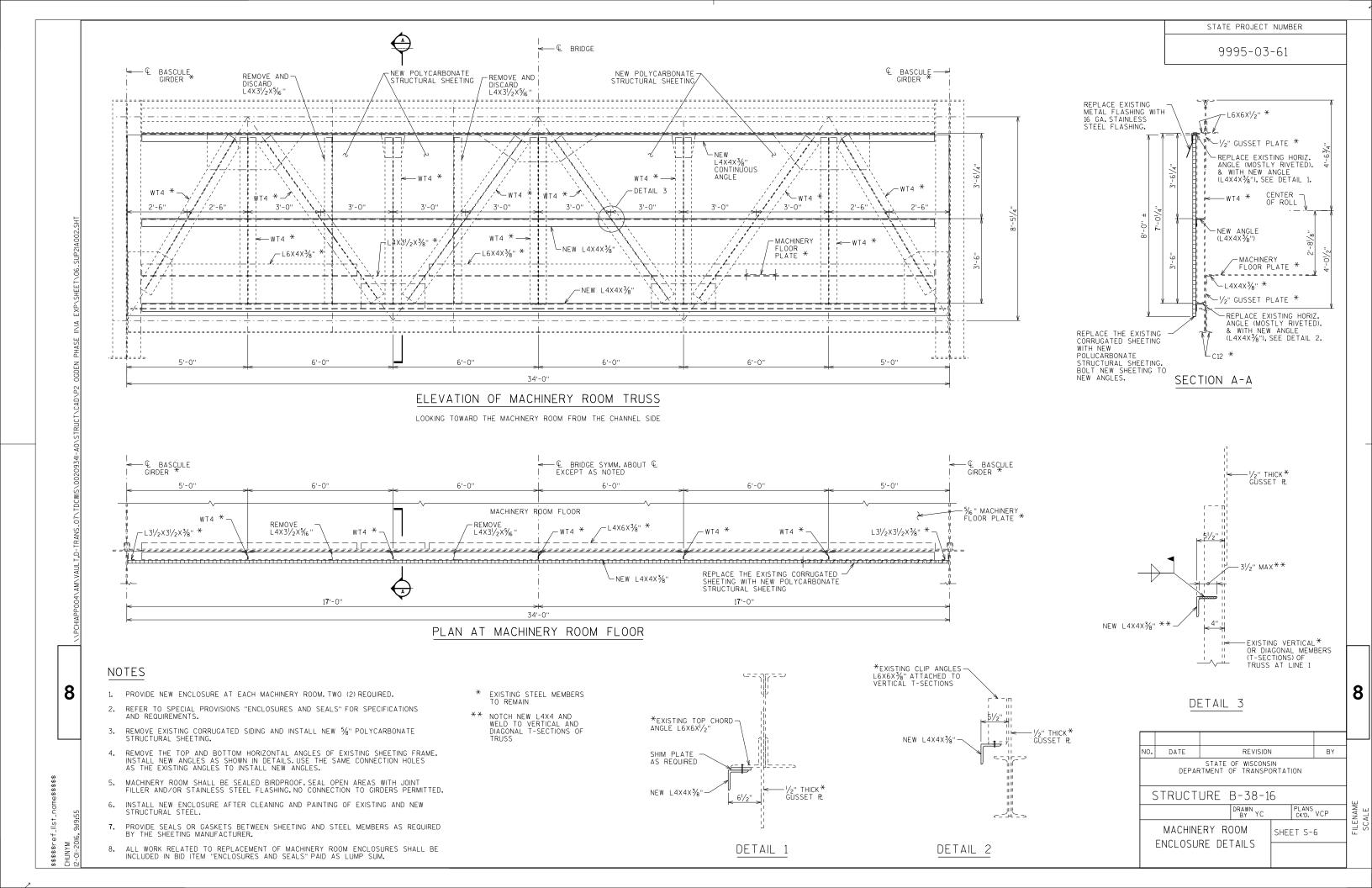
BID ITEM NUMBER	BID ITEMS	UNIT	SUPER.	TOTALS
51 7. 1800.S	STRUCTURE REPAINTING RECYCLED ABRASIVE B-38-16	LS	-	1
51 7. 4500.S	NEGATIVE PRESSURE CONTAINMENT AND COLLECTION OF WASTE MATERIALS B-38-16	LS	-	1
51 7. 6001.S	PORTABLE DECONTAMINATION FACILITY	EACH	-	1
SPV.0090.01	WATERSEAL JOINT	LF	72	7 2
SPV.0090.02	CURB REPAIR, SPECIAL	LF	166	166
SPV.0105.01	SIDEWALK REPAIR	LS	1	1
SPV.0105.02	ENCLOSURES AND SEALS	LS	1	1
SPV.0105.03	MACHINERY REHABILITATION	LS	-	1
SPV.0105.04	ELECTRICAL WORK	LS	-	1
	NON-BID ITEMS			
	PREFORMED JOINT FILLER	SIZE	-	1"

REVISION BY STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION STRUCTURE B-38-16 PLANS CK'D. VCP GENERAL NOTES & SHEET S-2 QUANTITIES



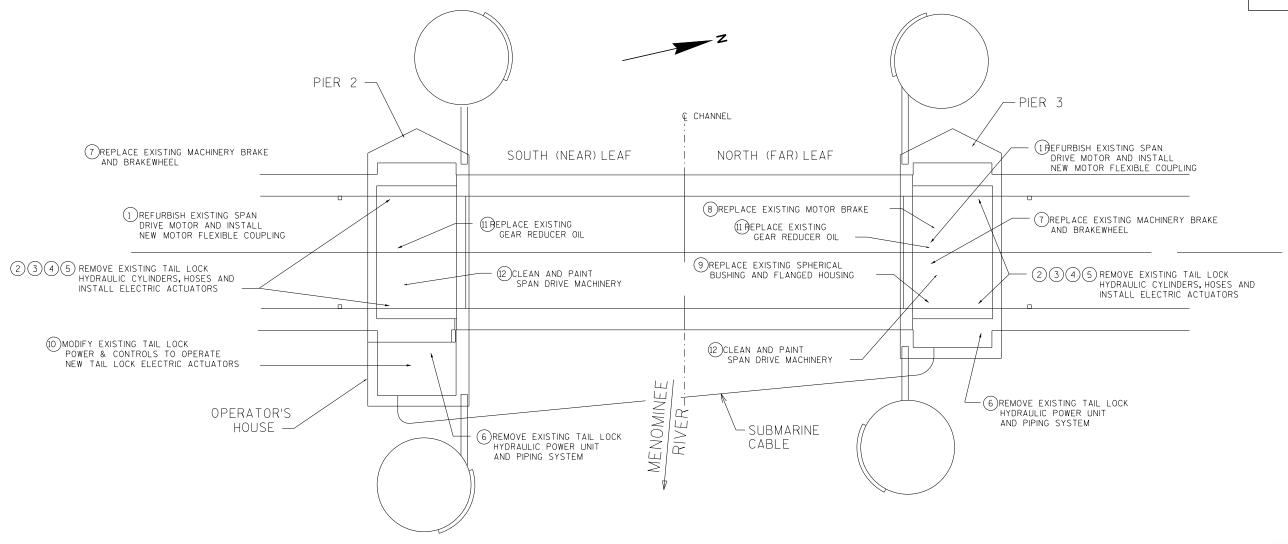








9995-03-61



GENERAL PLAN OF BASCULE SPAN
DO NOT SCALE



George N. Parlskii

	MECHANICAL - ELECTRICAL WORK SUMMARY (2 BASCULE LEAVES)	
ITEM	DESCRIPTION	QUANTITY
1	REFURBISH EXISTING SPAN DRIVE MOTORS AND INSTALL NEW MOTOR COUPLINGS	2
2	REMOVE EXISTING TAIL LOCK HYDRAULIC CYLINDERS & INSTALL NEW ELECTRIC ACTUATORS	4
3	MODIFY EXISTING SUPPORTS FOR NEW ACTUATORS	4
4	REPLACE EXISTING PIVOT PINS WITH NEW PINS	4
5	CLEAN AND PAINT TAIL LOCK MACHINERY	4
6	REMOVE EXISTING TAIL HYDRAULIC POWER UNITS & PIPING SYSTEMS	2
7	REPLACE EXISTING MACHINERY BRAKES AND BRAKEWHEELS	2
8	REPLACE EXISTING MOTOR BRAKE	1
9	REPLACE EXISTING SPHERICAL BUSHING AND FLANGED SPLIT HOUSING PILLOW BLOCK	1
10	MODIFY EXISTING TAIL LOCKS POWER & CONTROLS FOR NEW ELECTRIC ACTUATORS	L.S.
11	REPLACE EXISTING GEAR REDUCER OIL	2

CLEAN AND PAINT SPAN DRIVE MACHINERY

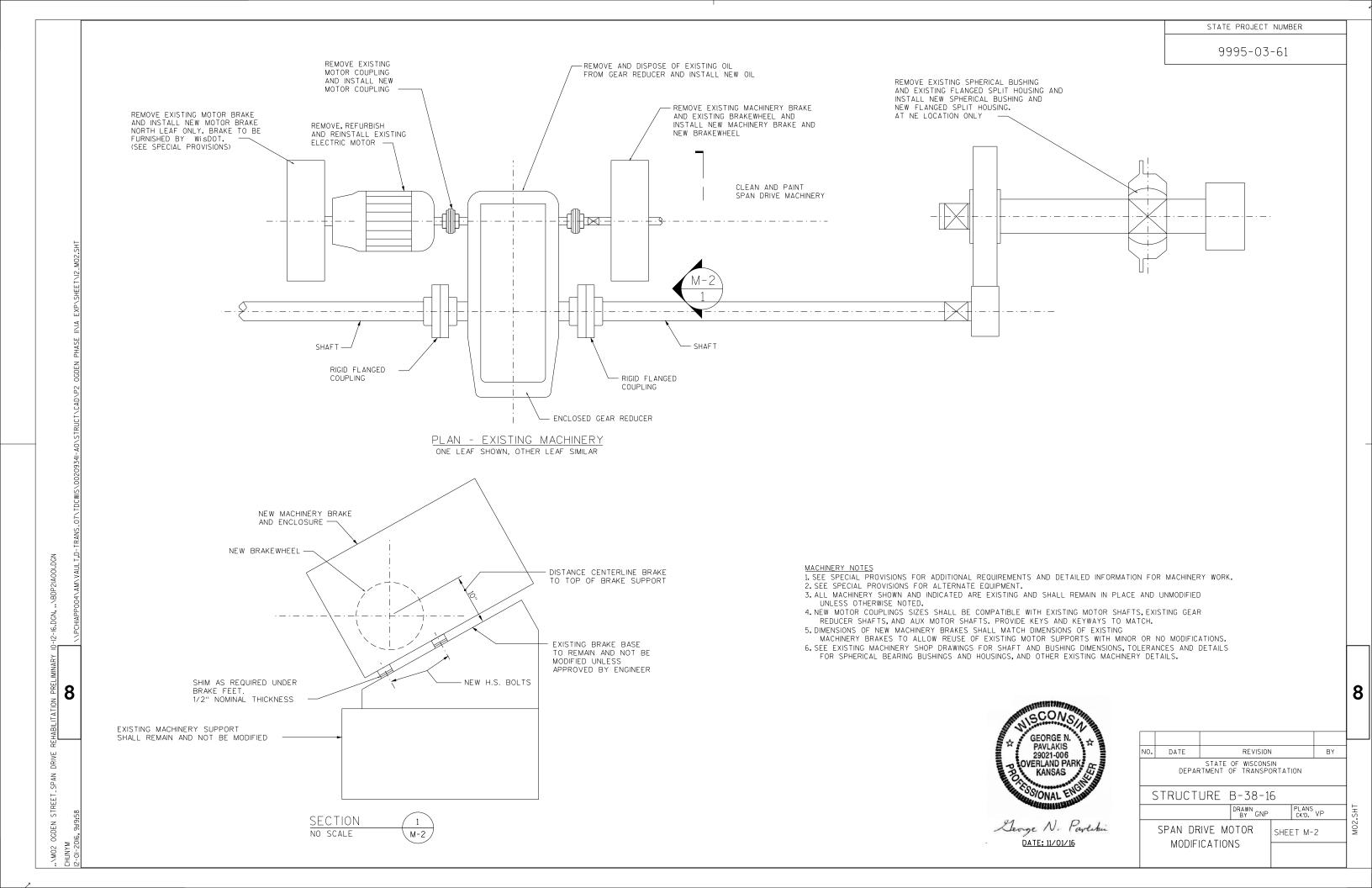
NOTES

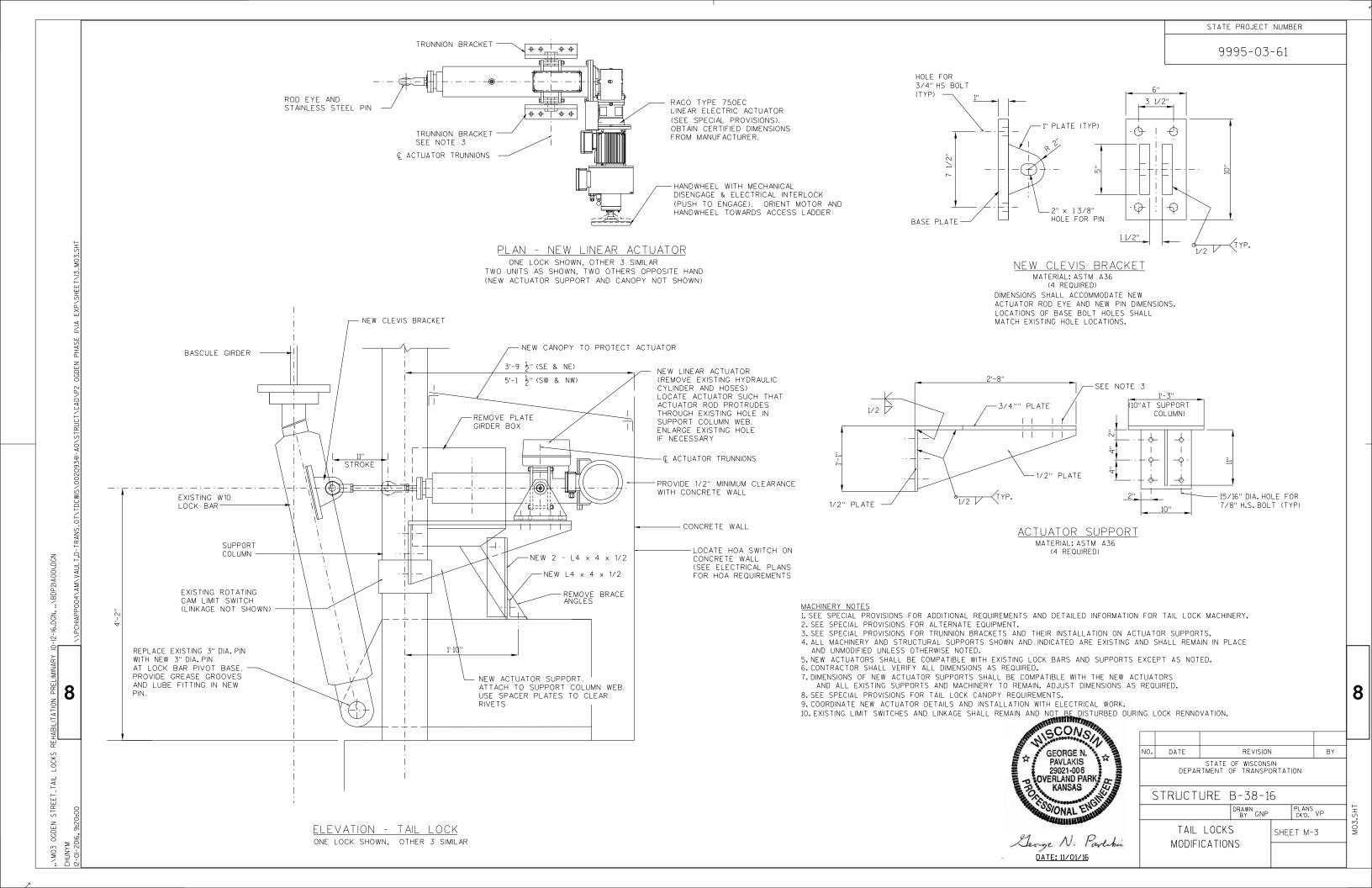
- 1. SEE SPECIAL PROVISIONS FOR ADDITIONAL REQUIREMENTS AND DETAILED INFORMATION FOR MECHANICAL SCOPE.
- 2. SEE MECHANICAL DRAWINGS AND SPECIAL PROVISIONS FOR SPECIFIC LOCATIONS AND DETAILS OF INSTALLATION.
- 3. SEE ELECTRICAL PLANS & SPECIAL PROVISIONS FOR DETAILS OF ELECTRICAL WORK.
- 4. COORDINATE ALL MECHANICAL, ELECTRICAL & STRUCTURAL WORK.

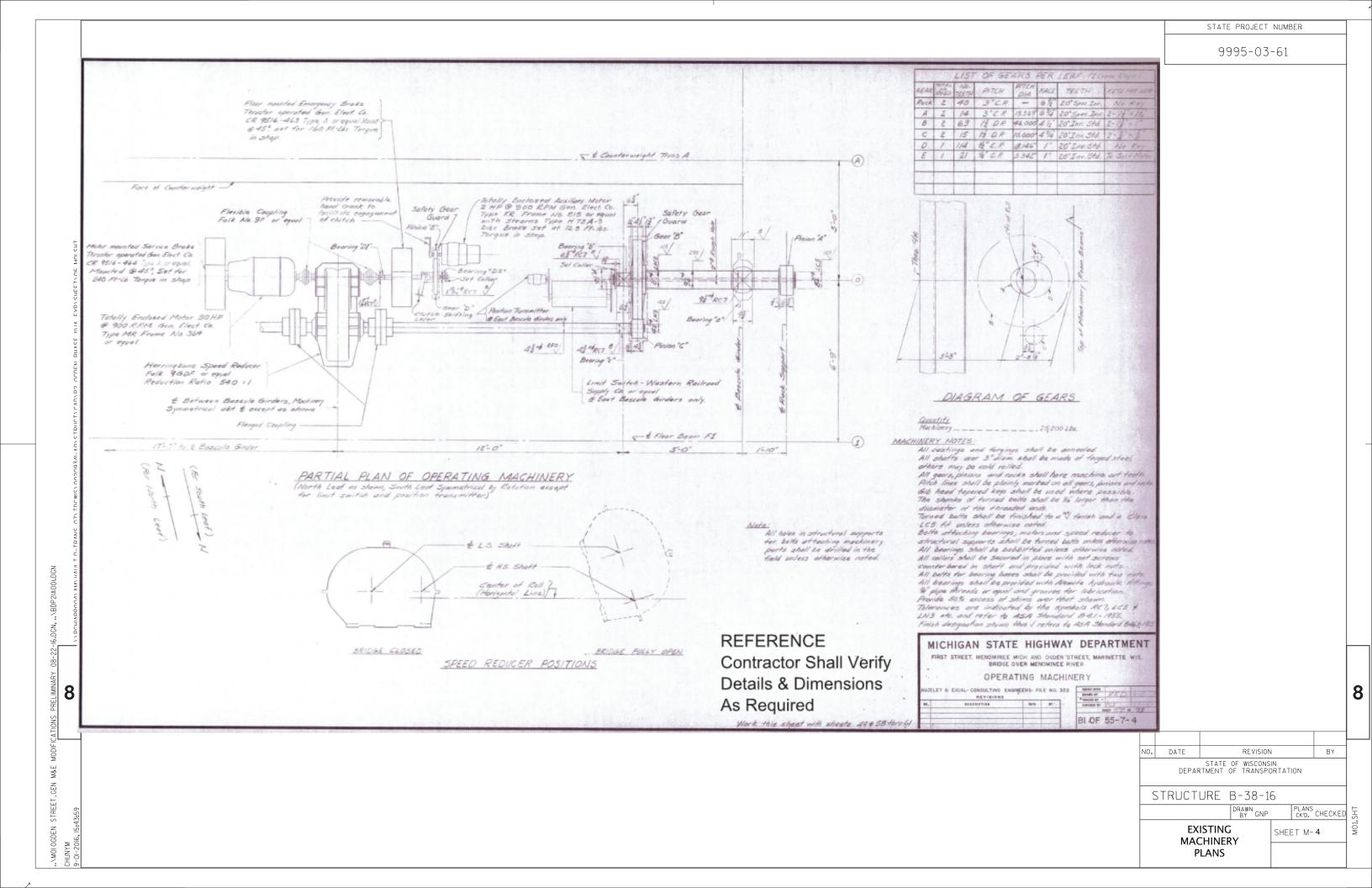
	BY		ı	REVISION	DATE	١0.
		ION		STATE OF WISCONS RTMENT OF TRANSPO	DEPAR	
			6	URE B-38-1	STRUCT	(
SHT	VP	PLANS CK'D.		DRAWN BY GNP		
MO1.SHT	1	ET M-	SHE	GENERAL PLAN MECH - ELECT MODIFICATIONS		

8

.\MO!OGDEN STREET_GEN M&E F







STATE PROJECT NUMBER - & Bridge Service Brake) 6 HS. BoHs -VIEW F-F (North Leaf as shown, South Leaf Symmetrical by Rotation) Service Brake REFERENCE Contractor Shall Verify **Details & Dimensions** As Required lark this sheet with sheets 49 \$ 57 thru 61 MICHIGAN STATE HIGHWAY DEPARTMENT - # Bridge MACHINERY BED SECTION A-A BI OF 55-7-4

8

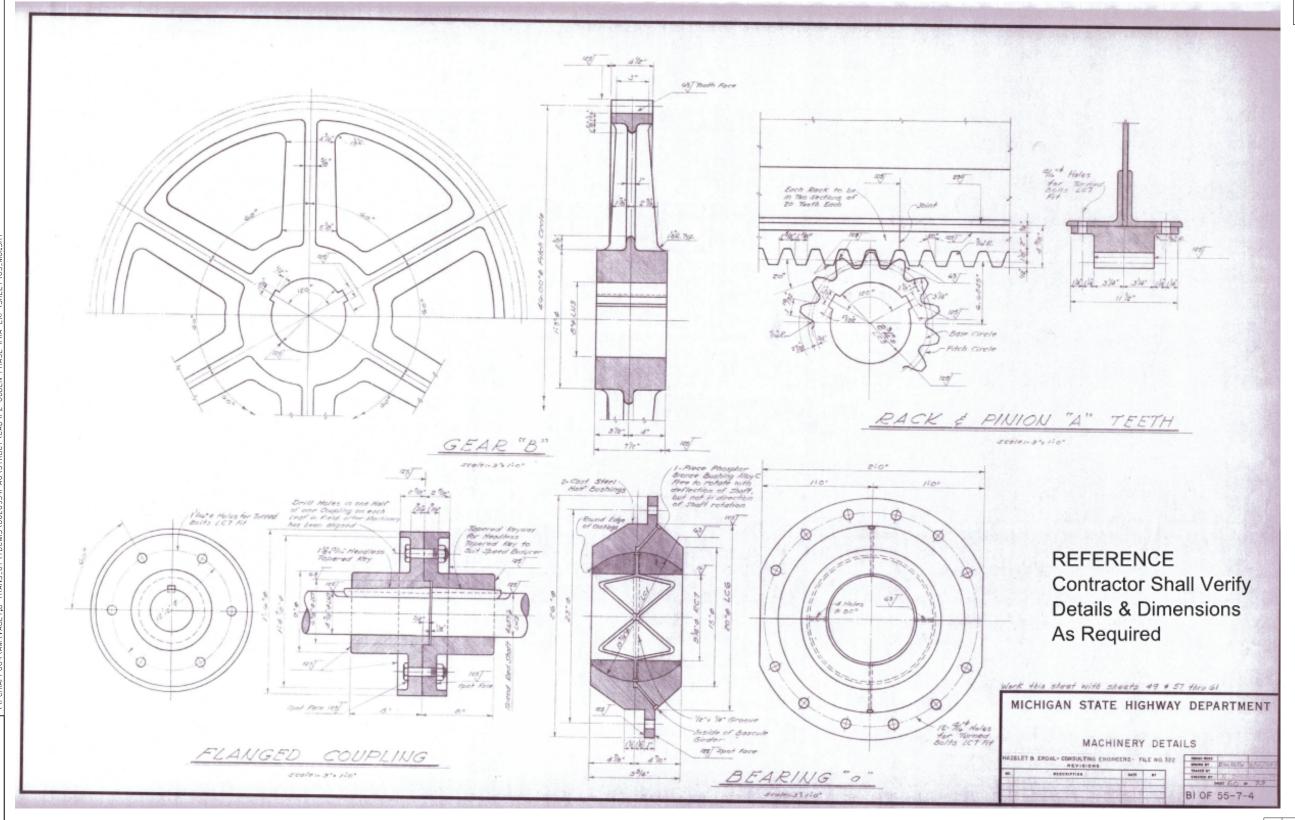
REVISION STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION PLANS CK'D. CHECKED

9995-03-61

STRUCTURE B-38-16 EXISTING MACHINERY PLANS SHEET M-15

STATE PROJECT NUMBER

9995-03-61



8

NO. DATE REVISION BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-38-16

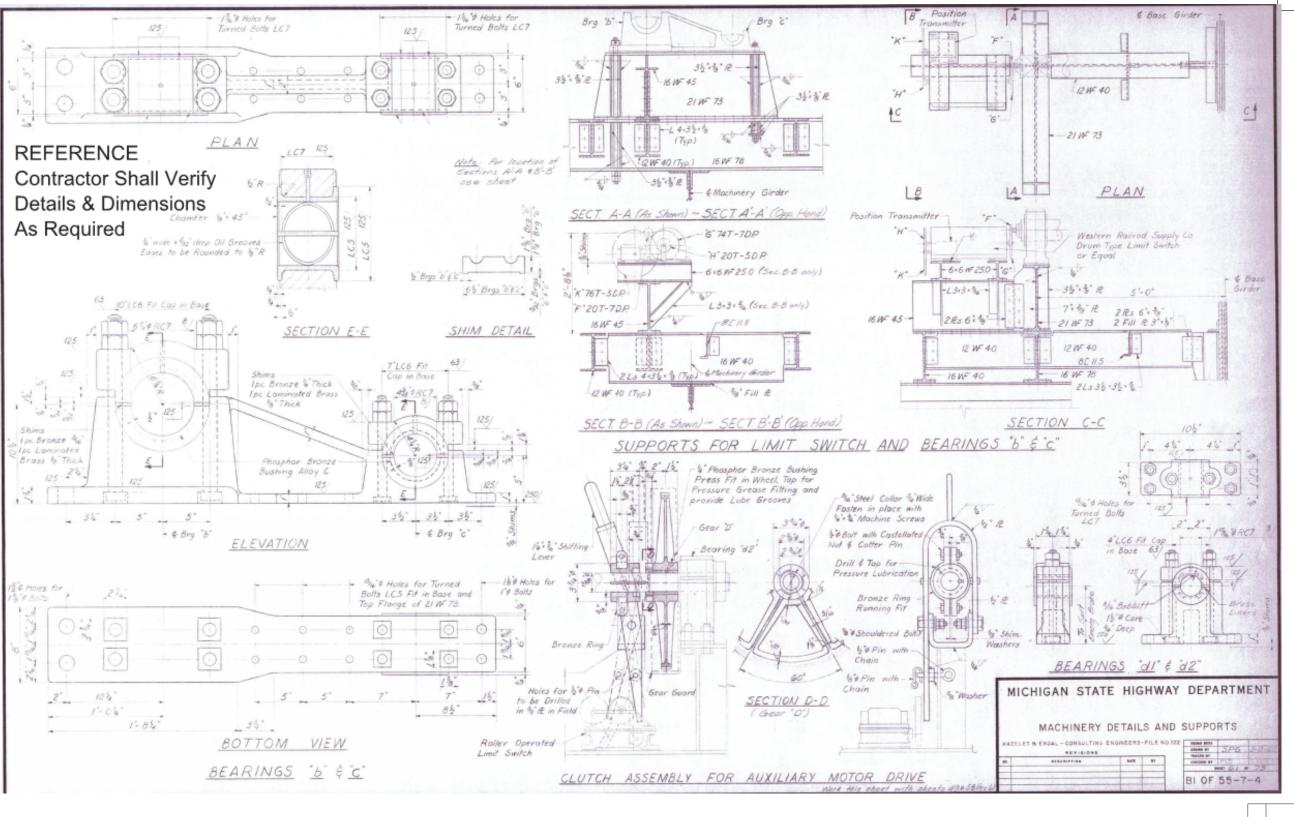
DRAWN GNP CKD. CHECKED
BY

EXISTING MACHINERY
PLANS

SHEET M-6

STATE PROJECT NUMBER

9995-03-61



NO. DATE REVISION BY

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

STRUCTURE B-38-16

DRAWN
BY
GNP
CKD. CHECKED
WACHINERY
PLANS

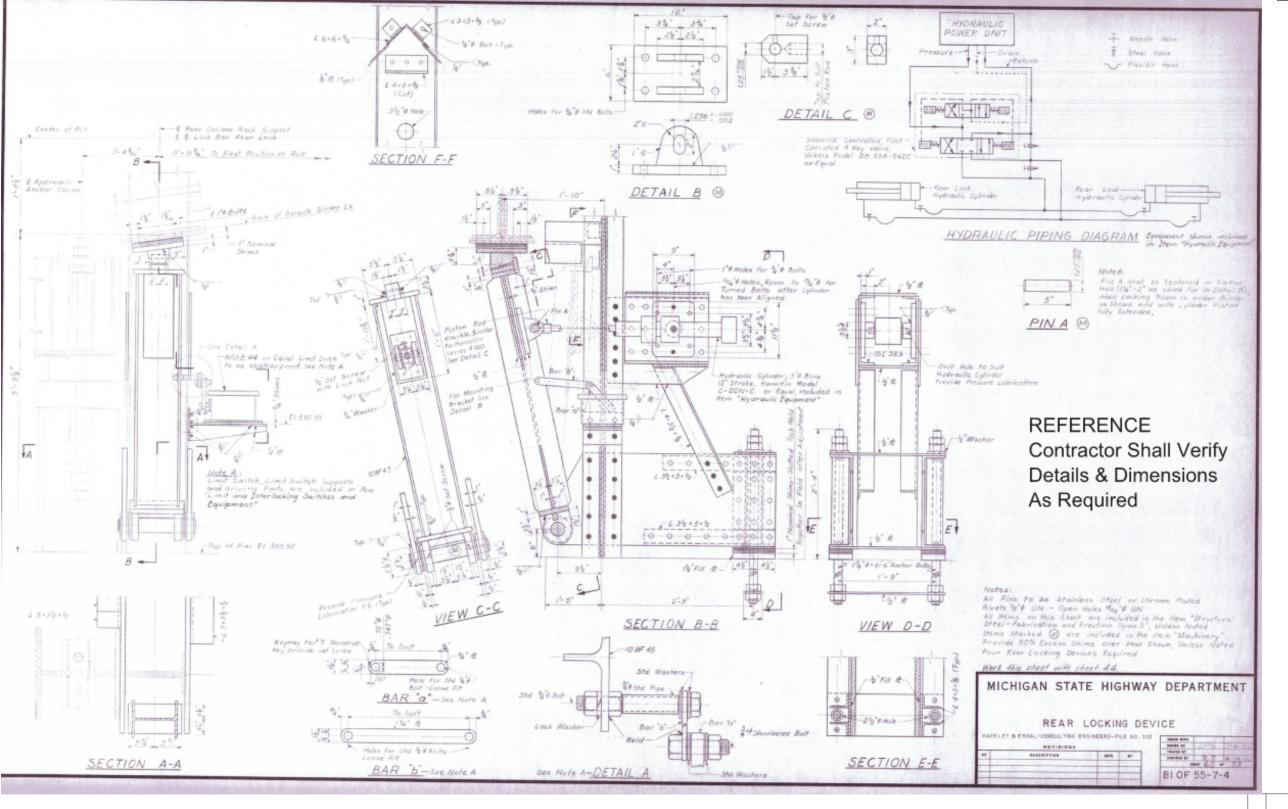
SHEET M-7

8

EN STREET_GEN M&E MODIFICATION

\MUNYM HUNYM -01-2016.15:43:59

9995-03-61



8

REVISION STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURE B-38-16 PLANS CK'D. CHECKED **EXISTING** SHEET M-8 **MACHINERY PLANS**

9995-03-61

3 50 MUT FOR P. 45 39 HEX ENLARGED VIEW OF TEETH 1 20 PINION SHARE PHINON SHAFT
LES POR P. 4G
SET COLLAR
SET SCREW PR PLSO COANS & NETWORK TO AND STO MALLOW SEE DETRIL COT BOTESTH & CHECUAR MICH BO SPEC INV ADDEN 500 FULL DEFTH LESS \$ 11×18LG (CUP PT) 8 3 1/4 570 Spans 1/2 13 x 1/4 CANS

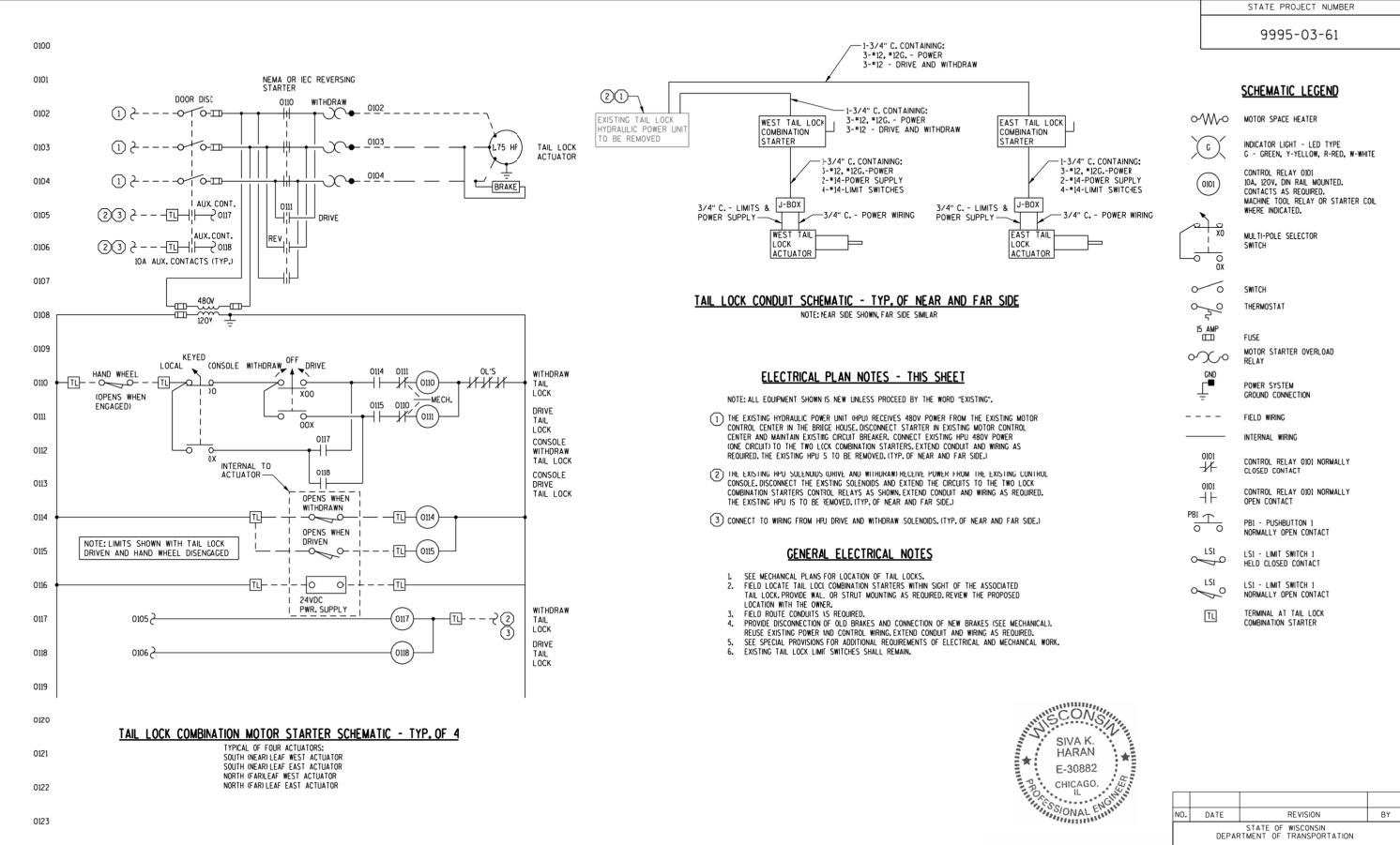
65 5 1/4 570 Spans 1/2 13 x 1/4 CANS SE KEEPER MAR RACK 55 BOLT FOR SE 54 LOCKWASHER GIB KEY TORAS BREQ STELL MATH A-735 CLASS Y MU OVER C S. ASTM A 27 GB 70-40 8 REQ FATT 17567 SEE FULL SIZE LAYOUT 54 SPAREICAL BEAR OF
57 CASHIG POR P 56
58 GREASE OTTING AND Se 150' APRET FOR PLAS 59 BOLT FOR MST S DIN DAILL HEX HUT FOR PLES 77777 3,75 TOTA SUE DENLE TO STEE A MARCH S. REAM TO 3505 AT ASSY \oplus 32 HAMIER CUT IN TEETH 3 C P St KILPER BAR to SPECIAL MARE CUTTER SCRIBE PITCH LINE 8 850, 571 ASTM AS NO. 1020 RACK & RACK PINION TESTH ALL WER Ó REFERENCE 46 PINION A 4 EEQ ES ASTM A EST CLASS A" Contractor Shall Verify Φ **Details & Dimensions** FOR PO 104 90' APART A S DEEP KEYWAY As Required To DRILL TO THE THOUGHT The Tap South would 148 PX 68 CREEKS 2 250 C BORE_ POUSN HOLD BOTH ENDS FOR LIMIT SWITCH DAIVE FLANGE FORM B) OTHERS TAP HOUS FROM FLANSE AT ASST BY OTHERS PINION SHAFF EIGEPT .

E EEG PS ASTA A EST CLASS & ... E DEQ ES ASTA A 237 CLASS A CHE THE WITH COUNTERBORE 19.992 240 BID ITEM 07074 CAINTING, COATING & CLEANING NOTES-10 SPM 745 57) CASING FOR PO 56 4 EQ C 571 A574 A 145 GE 50 50 PAIT 17568 I- ALL FINISHED SURFACES TO BE CONTED WITH NO . OX-10 A SPECIAL BEFORE SHIPMENT STATE OF MICHISAN BASCUL BRIDGE OVER THE MENOMINEE E. FR MANINETTE AND MENOMINE COUNTES 2-AU OTHER SURFACES TO RECEIVE OHE SHIP CORT OF MICHIGAN STATE NO 1-69 RED LEAD SALASI SPOOMS ROUND OF ALL COPIERS MICHIGAN PROVECT FOR SURGOS (1) SE SPHERICAL AFARING & 3-SURFACES TO BE PRINTED. SHALL BE CLEANED MITTERIOR PHYTIBURGH TESTING LAB SUFFACES TO BE THINTED. SHALL BE CLEAMED IN ACCORDANCE WITH THE STEEL STRUCTURES FAINTING COUNCIL SHECIPOSTIONS SERVE SPEED N° G COMMERICAL BLAST CLEANING, MMEDIATELY PRIOR TO THE APPLICATION OF SHOP COAT MIG CHONTE ASTM BET ALM D' THE EARLE GEAR AND MACHINE COMPANY GENERAL NOTES FALL OVER ALL STEEL CASHINGS IN FORMALIST OF AMMERICAD SPOT FACE FOR ALL BOXT WANDS IN NUTS SOFFER FITCH LINES ON BOTH SIDES OF ALL GEARS SHOP PAINT ONL CONT.

PRISHED SUPPLICES CONTED J. CONTED ALL SHOWS TO BE DRIVERS WITHOUT THE SHOWS TO BE DRIVERS. 4707 TO 4715 STENTON AVENUE EXCEPT AS SHOW PHILADELPHIA, PA. 19144 (50) SET COLLAB THE AS WELL WASHINGTON A STREET OF THE PARTY OF 10-12-10 C. The for the same of the same o recess on IB Toppe on some A PEQ STEEL META ASTE GRIPPO SHEET 4 OF DWG Nº 87841 30 &

REVISION BY STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURE B-38-16 PLANS CK'D. CHECKED **EXISTING** SHEET M-9 **MACHINERY PLANS**

8



0123

0124

0125

NO. DATE REVISION BY STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION STRUCTURE B-38-16 DRAWN BY WJH PLANS CK'D. SH ELECTRICAL NOTES SHEET E-1 & SCHEMATIC DATE: 11/01/16

DATE: 11/01/2016



Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

http://www.dot.wisconsin.gov