# EAU MARCH 2016

ORDER OF SHEETS

TOTAL SHEETS = 26

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

> (Includes Frasian Control Plans) Estimate of Quantities

Section No. 3 Miscellaneous Quantities

Section No. 6 Standard Detail Drawings

Section No. 8 Structure Plans

STATE OF WISCONSIN

# DEPARTMENT OF TRANSPORTATION

PLAN OF PROPOSED IMPROVEMENT

# EAU CLAIRE - CHIPPEWA FALLS

BRPNT/40TH AV B-9-46/50TH AV B-9-47

**USH 53** 

CHIPPEWA COUNTY

STATE PROJECT NUMBER 1190-02-63

HH

PROJECT 1190-02-63

CHIPPEWA

COUNTY

STRUCTURE B-9-47 (50TH AVENUE OVER USH 53) € NB USH 53 STA 136+75.13

X = 162330.61 Y = 121748.42

DESIGN DESIGNATION 40TH AVE.

PROJECT

LOCATION

| DEDIGIA | DE SIGNA | 9 1 1 | OIA |        |      |        |     |      |
|---------|----------|-------|-----|--------|------|--------|-----|------|
|         |          |       |     | H AVE. | 50TH | H AVE. | USH | 53   |
| A.D.T.  | (2016)   | =     |     | 500    |      | 500    | 18, | ,000 |
| A.D.T.  | (2036)   | =     |     | N/A    |      | N/A    |     | N/A  |
| D.H.V.  |          | =     |     | N/A    |      | N/A    |     | N/A  |
| D.      |          | =     |     | N/A    |      | N/A    |     | N/A  |
| т.      |          | =     |     | N/A    |      | N/A    |     | N/A  |
| DESIGN  | SPEED    | Ξ     | 45  | MPH    | 45   | MPH    | 70  | MPH  |
| ESALS   |          | =     |     | N/A    |      | N/A    |     | N/A  |
|         |          |       |     |        |      |        |     |      |

1//////

PL + 58.1

### CONVENTIONAL SYMBOLS

PLAN

CORPORATE LIMITS PROPERTY LINE

LOT LINE LIMITED HIGHWAY EASEMENT EXISTING RIGHT OF WAY

PROPOSED OR NEW R/W LINE

SLOPE INTERCEPT

REFERENCE LINE EXISTING CULVERT PROPOSED CULVERT (Box or Pipe)

COMBUSTIBLE FLUIDS

HIGH VOLTAGE

MARSH AREA

WOODED OR SHRUB AREA

CAUTION

PROFILE GRADE LINE ORIGINAL GROUND MARSH OR ROCK PROFILE (To be noted as such) LABEL\_\_\_ SPECIAL DITCH GRADE ELEVATION CULVERT (Profile View) UTILITIES OVERHEAD ELECTRIC

— он — \_\_ F \_\_\_ FIRER OPTIC \_\_ F0 \_\_\_ GAS SANITARY SEWER STORM SEWER TELEPHONE WATER UTILITY PEDESTAL POWER POLE 0

Ø

TELEPHONE POLE

T-29-N T-28-N 0 31 R-8-W R-7-W

X = 162930.32 Y = 119676.22 T-28-N T-27-N

LAYOUT SCALE

TOTAL NET LENGTH OF CENTERLINE = 1.290 MI.

COORDINATES ON THIS PLAN ARE REFERENCED TO THE WISCONSIN COUNTY COORDINATE SYSTEM (WCCS).
CHIPPEWA COUNTY

BRIDGE

PROJECT 1190-02-63 STRUCTURE B-9-46

(40TH AVENUE OVER USH 53)

€ NB USH 53 STA 83+65.39

FEDERAL PROJECT STATE PROJECT PROJECT CONTRACT 1190-02-63 \_\_\_

> ORIGINAL PLANS PREPARED BY ARES 3433 Oakwood Hills Parkway Eau Claire, WI 54701 ASSOCIATES www.AyresAssociates.com

CHRISTOPHER B MCMAHON E-29454 ONAL E ORSERESSESSES

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

10/26/15

PREPARED BY Surveyor Designer Project Manager

AYRES ASSOCIATES INC NICOLE PASSUELLO

CHRISTINE KOSKI Regional Examiner MARK PLOEDERER Regional Supervisor

APPROVED FOR THE DEPARTMENT

#### GENERAL NOTES

WORK CONSISTS OF TRAFFIC CONTROL, CONTAINMENT ENCLOSURE ERECTION, ABRASIVE BLASTING SURFACE PREPARATION, AND APPLICATION OF NEW COATING SYSTEM FOR ALL STRUCTURAL STEEL OF PROJECT BRIDGE.

ENCLOSURE AND MATERIALS SHALL BE MAINTAINED TAUT AND IN SUCH A MANNER THAT IT WILL NOT OBSTRUCT/DISTRACT THE VIEW OF OR SNAG ON ANY PASSING VEHICLES.

USH 53 WILL BE KEPT OPEN TO A MINIMUM OF ONE LANE OF TRAFFIC AT ALL TIMES.

SIGNS AND DEVICES WILL BE IN CONFORMANCE WITH THE LATEST WISCONSIN MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (WMUTCD).

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

THERE ARE UTILITY FACILITIES WITHIN THE PROJECT AREA THAT ARE NOT SHOWN ON THE PLANS. COORDINATE CONSTRUCTION ACTIVITIES WITH A CALL TO DIGGERS HOTLINE AND/OR A DIRECT CALL TO THE UTILITIES THAT HAVE FACILITIES IN THE AREA. NOT ALL UTILITIES ARE MEMBERS OF DIGGERS HOTLINE.

#### **ABBREVIATIONS**

CHIS CHISELED CENTERLINE COR CORNER CWT COUNT CY CUBIC YARD **ELEVATION** GAL GALLON HOUSE ΙP IRON PIPE LB LF POUND LINEAR FEET LUMP SUM LS LΤ LEFT MAX MAXIMUM MIN MINIMUM MON MONUMENT NORM NORMAL OVERALL LENGTH OAL PC POINT OF CURVATURE PD PEDESTAL PΙ POINT OF INTERSECTION PΚ PARKER-KALON PL PROPERTY LINE PERMANENT LIMITED EASEMENT PLE PP POWER POLE РΤ POINT OF TANGENCY RADIUS REQ'D REQUIRED RIGHT RIGHT-OF-WAY R/W SQUARE FEET SHLDR STA SHOULDER STATION SY SQUARE YARD TEMPORARY LIMITED EASEMENT TLE VAR VARIES



#### AREA CONTACTS

#### STATE OF WISCONSIN

DNR CONTACT: CHRIS WILLGER DNR/DOT LIASON OFC. OF EDGR. & ENV. REVIEW PHONE: (715) 839-1609

WISDOT STRUCT. MAINT. ENGINERR GREGORY HAIG CELL: (715) 577-0646

WISDOT BRPAINT & HAZMAT COORD. WILLIAM KOVALESKI, JR PHONE: (715) 225-9431

WISDOT ENVIRONMENTAL COORD. NICK SCHAFF PHONE: (715) 836-2068

#### CHIPPEWA COUNTY

COUNTY SHERIFF
SHERIFF: JAMES L. KOWALCZYK
32 E SPRUCE ST.
CHIPPEWA FALLS, WI 54729
NON-EMERG: (715) 726-7701
EMERGENCY: 911

EMERGENCY MANAGEMENT
DIRECTOR: DENNIS BROWN
32 E SPRUCE ST.
CHIPPEWA FALLS. WI 54729
PHONE: (715) 726-7728

HIGHWAY COMMISSIONER
COMMISSIONER: BRUCE STELZNER
801 EAST GRAND AVENUE
CHIPPEWA FALLS, WI 54729
OFFICE: (715) 726-7914
SHOP: (715) 726-7915

#### TOWN OF LAKE HALLIE

POLICE DEPARTMENT
CHIEF: CAL D. SMOKOWICZ
13138 30TH AVENUE
CHIPPEWA FALLS, WI 54729
NON-EMERG: (715) 726-2665
EMERGENCY: 911

CHIPPEWA FIRE DISTRICT
CHIEF: SCOTT BERNETTE
13140 30TH AVENUE
CHIPPEWA FALLS, WI 54729
NON-EMERG: (715) 723-9020
EMERGENCY: 911

STREET DEPARTMENT MANAGER: CRAIG BOWE PHONE: (715) 726-2660 EXT. 4

#### UTILITIES

#### **COMMUNICATIONS**

CHARTER COMMUNICATIONS
1201 McCANN DRIVE
ALTOONA, WI 54720
ATTN: SHANE YODER
715-831-8940 ext. 619
715-370-7870 (cell)
shane.yoder@charter.com

#### WATER

VILLAGE OF LAKE HALLIE
13033 30th AVENUE
CHIPPEWA FALLS, WI 54729
ATTN: DARREN ADDY, WATER SUPT.
715-726-2660 ext. 1
dsaddy@lakehallie.us

#### GAS/PETROLEUM

BRIDGE

VIKING GAS TRANSMISSION CO 13506 CTH OO CHIPPEWA FALLS. WI 54729 ATTN: ANTHONY RICCI 715-726-2282 715-559-8011 (cell) anthony.ricci@oneok.com

\* XCEL ENERGY
24-HOUR EMERGENCY (GAS)
800-895-2999
1414 W. HAMILTON AVE.
P.O. BOX 0008
EAU CLAIRE, WI 54702-0008
ATTN: SCOTT J. SEAHOLM
715-737-2584
715-577-3381 (cell)
Scott.j.seaholm@xcelenergy.com

### ELECTRICITY

\* XCEL ENERGY
1400 WESTERN AVE.
EAU CLAIRE, WI 54703
ATTN: JOE J. COOK
715-737-1072
612-207-0547 (cell)
Joe.J.Cook@xcelenergy.com

#### **ELECTRICITY - TRANSMISSION**

\* XCEL ENERGY
3505 MELBY ROAD
EAU CLAIRE, WI 54702
ATTN: CHARLES DIENGER
715-737-1576
651-955-1089 (cell)
Charles.G.Dienger@xcelenergy.com

\* COPY ALL CORRESPONDENCE TO DAWN SCHULTZ XCEL ENERGY 1414 W. HAMILTON AVE. P.O. BOX 0008 EAU CLAIRE, WI 54702-0008 715-737-2482 dawn.schultz@xcelenergy.com

PROJECT NO: 1190-02-63

WL

WELL

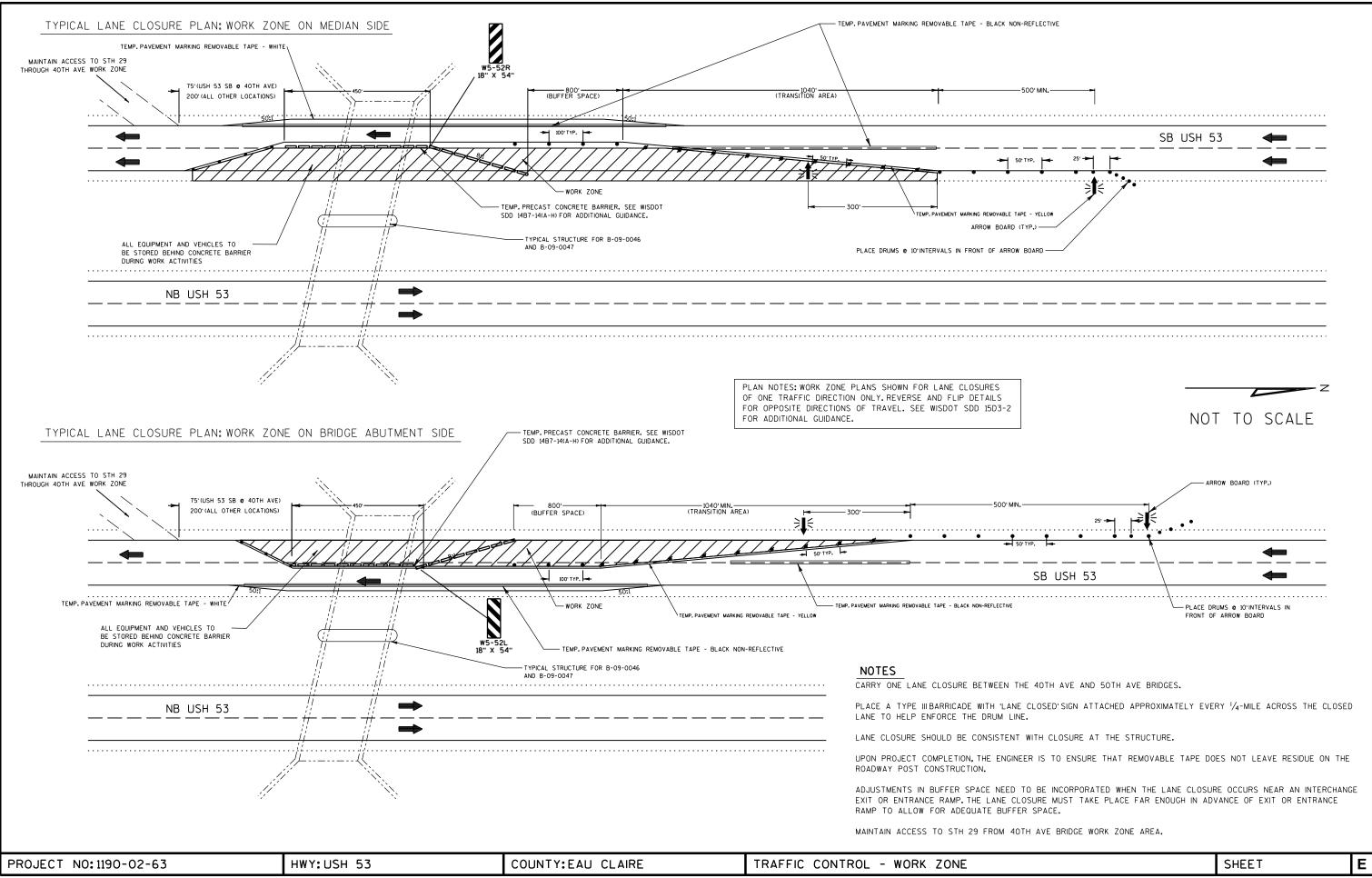
HWY: USH 53

COUNTY: CHIPPEWA

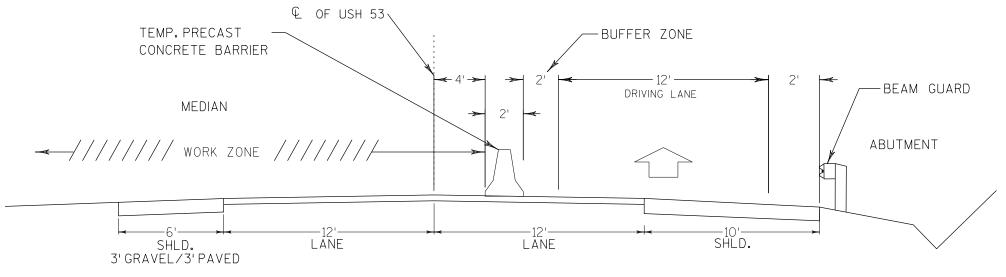
GENERAL NOTES

SHEET

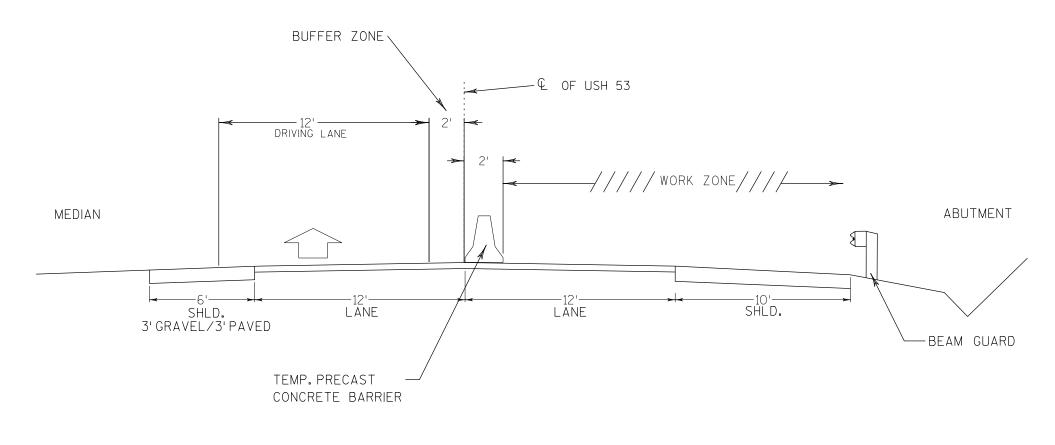
WISDOT/CADDS SHEET 42







TYPICAL SECTION: WORK ZONE ON MEDIAN SIDE



TYPICAL SECTION: WORK ZONE ON BRIDGE ABUTMENT SIDE

Ε PROJECT NO: 1190-02-63 HWY:USH 53 COUNTY: EAU CLAIRE TRAFFIC CONTROL - WORK ZONE TYPICAL SECTIONS SHEET

| LINE   | JAN16        | LJI  | IWAI  | E O F Q U A N | 1190-02-63   |      |
|--------|--------------|--|-------|---------------|--------------|------|
| NUMBER | ITEM         | ITEM DESCRIPTION   | UNI T | TOTAL         | QUANTI TY    |      |
| 0010   | 213. 0100    | Finishing Roadway (project) 01.<br>1190-02-63  | EACH  | 1. 000        | 1. 000       |      |
| 0020   | 517. 1800. S | Structure Repainting Recycled Abrasive (structure) 01. B-9-46                                | LS    | 1. 000        | 1. 000       |      |
| 0030   | 517. 1800. S | Structure Repainting Recycled Abrasive (structure) 02. B-9-47                                | LS    | 1. 000        | 1. 000       |      |
| 0040   | 517. 4500. S | Negative Pressure Containment and<br>Collection of Waste Materials<br>(structure) 01. B-9-46 | LS    | 1. 000        | 1. 000       |      |
| 0050   | 517. 4500. S | Negative Pressure Containment and<br>Collection of Waste Materials<br>(structure) 02. B-9-47 | LS    | 1. 000        | 1. 000       |      |
| 0060   | 517. 6001. S | Portable Decontamination Facility  | EACH  | 2. 000        | 2. 000       |      |
| 0070   | 603. 8000    | Concrete Barrier Temporary Precast<br>Delivered  | LF    | 2, 400. 000   | 2, 400. 000  |      |
| 0800   | 603. 8125    | Concrete Barrier Temporary Precast<br>Installed  | LF    | 4, 800. 000   | 4, 800. 000  |      |
| 0090   | 619. 1000    | Mobilization   | EACH  | 1.000         | 1. 000       |      |
| 0100   | 642. 5001    | Field Office Type B  | EACH  | 1. 000        | 1. 000       |      |
| 0110   | 643. 0100    | Traffic Control (project) 01. 1190-02-63   | EACH  | 1. 000        | 1. 000       |      |
| 0120   | 643.0300     | Traffic Control Drums  | DAY   | 8, 320. 000   | 8, 320. 000  |      |
| 0130   | 643.0420     | Traffic Control Barricades Type III  | DAY   | 320.000       | 320. 000     |      |
| 0140   | 643. 0715    | Traffic Control Warning Lights Type C  | DAY   | 3, 360. 000   | 3, 360. 000  |      |
| 0150   | 643. 0800    | Traffic Control Arrow Boards   | DAY   | 320. 000      | 320. 000     |      |
| 0160   | 643. 0900    | Traffic Control Signs  | DAY   | 1, 360. 000   | 1, 360. 000  | <br> |
| 0170   | 643. 0910    | Traffic Control Covering Signs Type I  | EACH  | 2.000         | 2. 000       |      |
| 0180   | 643. 1050    | Traffic Control Signs PCMS   | DAY   | 80.000        | 80.000       |      |
| 0190   | 649. 0400    | Temporary Pavement Marking Removable Tape 4-Inch   | LF    | 49, 120. 000  | 49, 120. 000 |      |
| 0200   | SPV. 0045    | Special O1. Portable Changeable Message<br>Sign (PCMS) Cellular Communications               | DAY   | 80.000        | 80. 000      |      |

| -2 |  |
|----|--|

FINISHING ROADWAY

213.0100

(PROJECT)

PROJECT NO. EA

1190-02-63 1

CONCRETE BARRIER TEMPORARY PRECAST

|   |            |            |       | CONCINETE DANNIER TEIVII OIV  | ANTINECASI |           |                                    |
|---|------------|------------|-------|-------------------------------|------------|-----------|------------------------------------|
| - |            |            |       |                               | 603.8000   | 603.8125  |                                    |
|   |            |            |       |                               | DELIVERED  | INSTALLED |                                    |
|   | PROJECT ID | BRIDGE NO. | STAGE | LOCATION                      | LF         | LF        | COMMENT                            |
|   | 1190-02-63 | B-6-46     | 1     | OUTSIDE NB & SB LANES CLOSED  | 1200       | 1200      | ANCHOR CONCRETE BARRIER PER DETAIL |
|   |            |            | 2     | INSIDE NB AND SB LANES CLOSED |            | 1200      | ANCHOR CONCRETE BARRIER PER DETAIL |
|   | 1190-02-63 | B-6-47     | 1     | OUTSIDE NB & SB LANES CLOSED  | 1200       | 1200      | ANCHOR CONCRETE BARRIER PER DETAIL |
|   |            |            | 2     | INSIDE NB AND SB LANES CLOSED |            | 1200      | ANCHOR CONCRETE BARRIER PER DETAIL |
|   | TOTAL      |            |       |                               | 2400       | 4800      |                                    |
|   |            |            |       |                               |            |           |                                    |

FIELD OFFICE

642.5001

FIELD OFFICE

(TYPE B)

PROJECT NO. EA

1190-02-63 1

TRAFFIC CONTROL

643.0100

TRAFFIC CONTROL (PROJECT)

PROJECT NO. EA 1190-02-63 1

TRAFFIC CONTROL ITEMS

|            |            |       |                               | IK              | AFFIC CC | NIKOLIIE | VIS  |        |        |           |     |       |          |           |           |           |
|------------|------------|-------|-------------------------------|-----------------|----------|----------|------|--------|--------|-----------|-----|-------|----------|-----------|-----------|-----------|
|            |            |       |                               |                 | 643      | .0300    | 643. | .0420  | 643    | .0715     | 643 | .0800 | 643      | .1050     | SPV.      | 0045.01   |
|            |            |       |                               |                 |          |          | BARR | ICADES | WARNIN | NG LIGHTS | ARI | ROW   | PORTABLE | CHANGEABI | LE PCMS ( | CELLULAR  |
|            |            |       |                               |                 | DR       | UMS      | TYF  | PE III | TY     | PE C      | ВО  | ARDS  | MESSA    | GE SIGNS  | COMMU     | NICATIONS |
| PROJECT ID | BRIDGE NO. | STAGE | LOCATION                      | DURATION (DAYS) | NO.      | DAYS     | NO.  | DAYS   | NO.    | DAYS      | NO. | DAYS  | NO.      | DAYS      | NO.       | DAYS      |
| 1190-02-63 | B-6-46     | 1     | OUTSIDE NB & SB LANES CLOSED  | 20              | 104      | 2080     |      |        | 42     | 840       | 4   | 80    | 1        | 20        | 1         | 20        |
|            |            | 2     | INSIDE NB AND SB LANES CLOSED | 20              | 104      | 2080     |      |        | 42     | 840       | 4   | 80    | 1        | 20        | 1         | 20        |
|            |            | 1 & 2 | BTWN BRIDGES                  | 40              |          |          | 8    | 320    |        |           |     |       |          |           |           |           |
| 1190-02-63 | B-6-47     | 1     | OUTSIDE NB & SB LANES CLOSED  | 20              | 104      | 2080     |      |        | 42     | 840       | 4   | 80    | 1        | 20        | 1         | 20        |
|            |            | 2     | INSIDE NB AND SB LANES CLOSED | 20              | 104      | 2080     |      |        | 42     | 840       | 4   | 80    | 1        | 20        | 1         | 20        |
| TOTAL      |            |       |                               |                 |          | 8320     |      | 320    |        | 3360      |     | 320   |          | 80        |           | 80        |
|            |            |       |                               |                 |          |          |      |        |        |           |     |       |          |           |           |           |

| PROJECT NO. 1190-02-63 HWY:USH 53 | COUNTY:CHIPPEWA | MISCELLANEOUS QUANTITIES | SHEET: | E |
|-----------------------------------|-----------------|--------------------------|--------|---|
|-----------------------------------|-----------------|--------------------------|--------|---|

3

### TRAFFIC CONTROL SIGNS

|            |            |       |                               |                 | 643. | .0900 |
|------------|------------|-------|-------------------------------|-----------------|------|-------|
| PROJECT ID | BRIDGE NO. | STAGE | LOCATION                      | DURATION (DAYS) | NO.  | DAYS  |
| 1190-02-63 | B-6-46     | 1     | OUTSIDE NB & SB LANES CLOSED  | 20              | 13   | 260   |
|            |            | 2     | INSIDE NB AND SB LANES CLOSED | 20              | 13   | 260   |
|            |            | 1 & 2 | BTWN BRIDGES                  | 40              | 8    | 320   |
| 1190-02-63 | B-6-47     | 1     | OUTSIDE NB & SB LANES CLOSED  | 20              | 13   | 260   |
|            |            | 2     | INSIDE NB AND SB LANES CLOSED | 20              | 13   | 260   |
| TOTAL      |            |       |                               |                 |      | 1360  |

### TRAFFIC CONTROL COVERING SIGNS TYPE I

| _ |            | 643.0910 |
|---|------------|----------|
| _ | PROJECT ID | EACH     |
| _ | 1190-02-63 | 2        |
|   | TOTAL      | 2        |

### TEMPORARY PAVEMENT MARKING REMOVABLE TAPE 4-INCH

|            |            |       |                               |       | 649.0400 |       |
|------------|------------|-------|-------------------------------|-------|----------|-------|
|            |            |       |                               | BLACK | YELLOW   | WHITE |
| PROJECT ID | BRIDGE NO. | STAGE | LOCATION                      | LF    | LF       | LF    |
| 1190-02-63 | B-6-46     | 1     | OUTSIDE NB & SB LANES CLOSED  | 4000  | 5080     | 3200  |
|            |            | 2     | INSIDE NB AND SB LANES CLOSED | 4000  | 5080     | 3200  |
| 1190-02-63 | B-6-47     | 1     | OUTSIDE NB & SB LANES CLOSED  | 4000  | 5080     | 3200  |
|            |            | 2     | INSIDE NB AND SB LANES CLOSED | 4000  | 5080     | 3200  |
| SUBTOTAL   |            |       |                               | 16000 | 20320    | 12800 |
| TOTAL      |            |       |                               |       | 49120    |       |

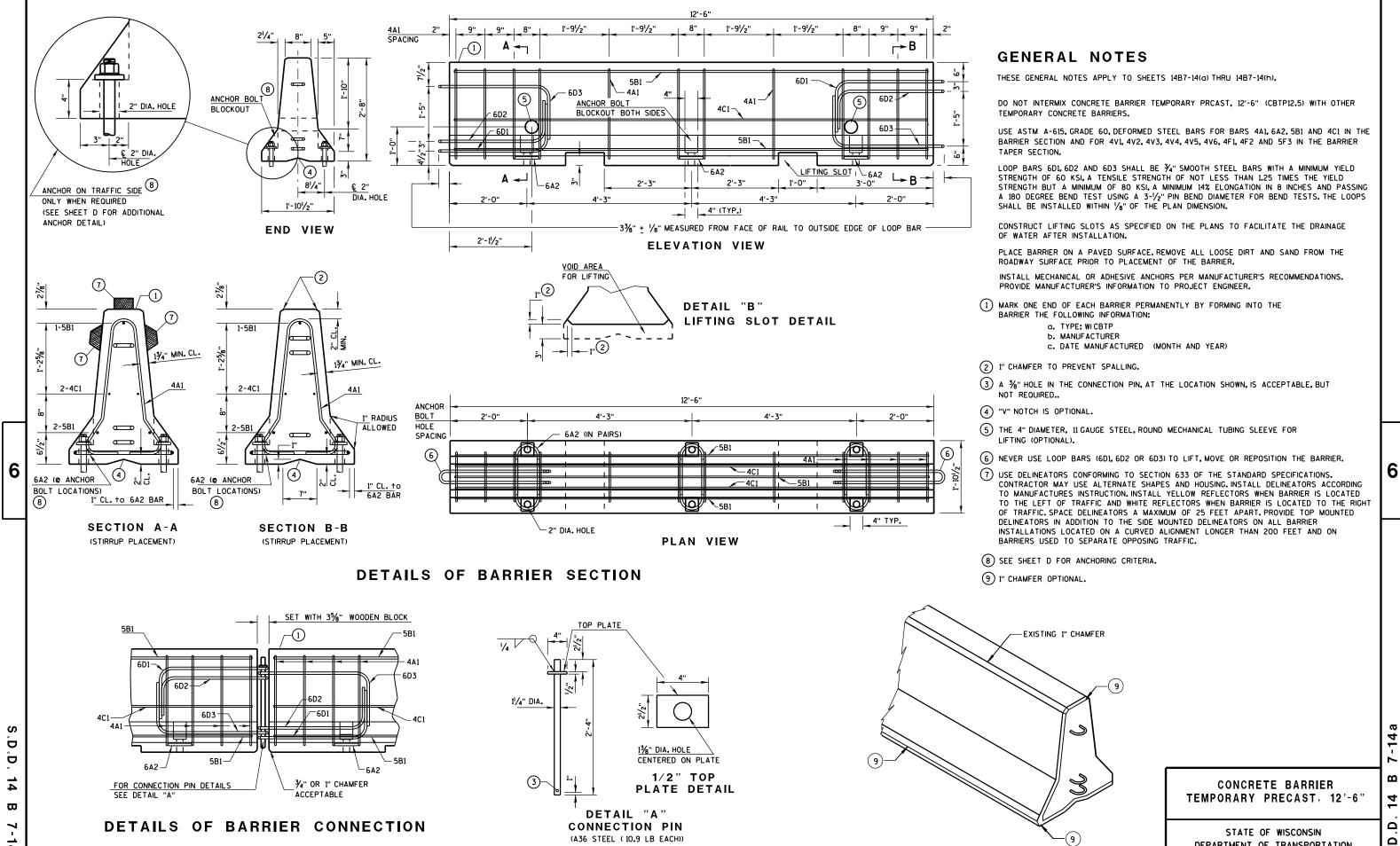
| PROJECT NO. 1190-02-63 | HWY:USH 53 | COUNTY:CHIPPEWA | MISCELLANEOUS QUANTITIES | SHEET: | Ε |
|------------------------|------------|-----------------|--------------------------|--------|---|
|------------------------|------------|-----------------|--------------------------|--------|---|

FILE NAME : MISCELLANEOUS QUANTITIES PLOT BY : ALEX MOTL PLOT NAME : PLOT NAME : PLOT SCALE : 1:1

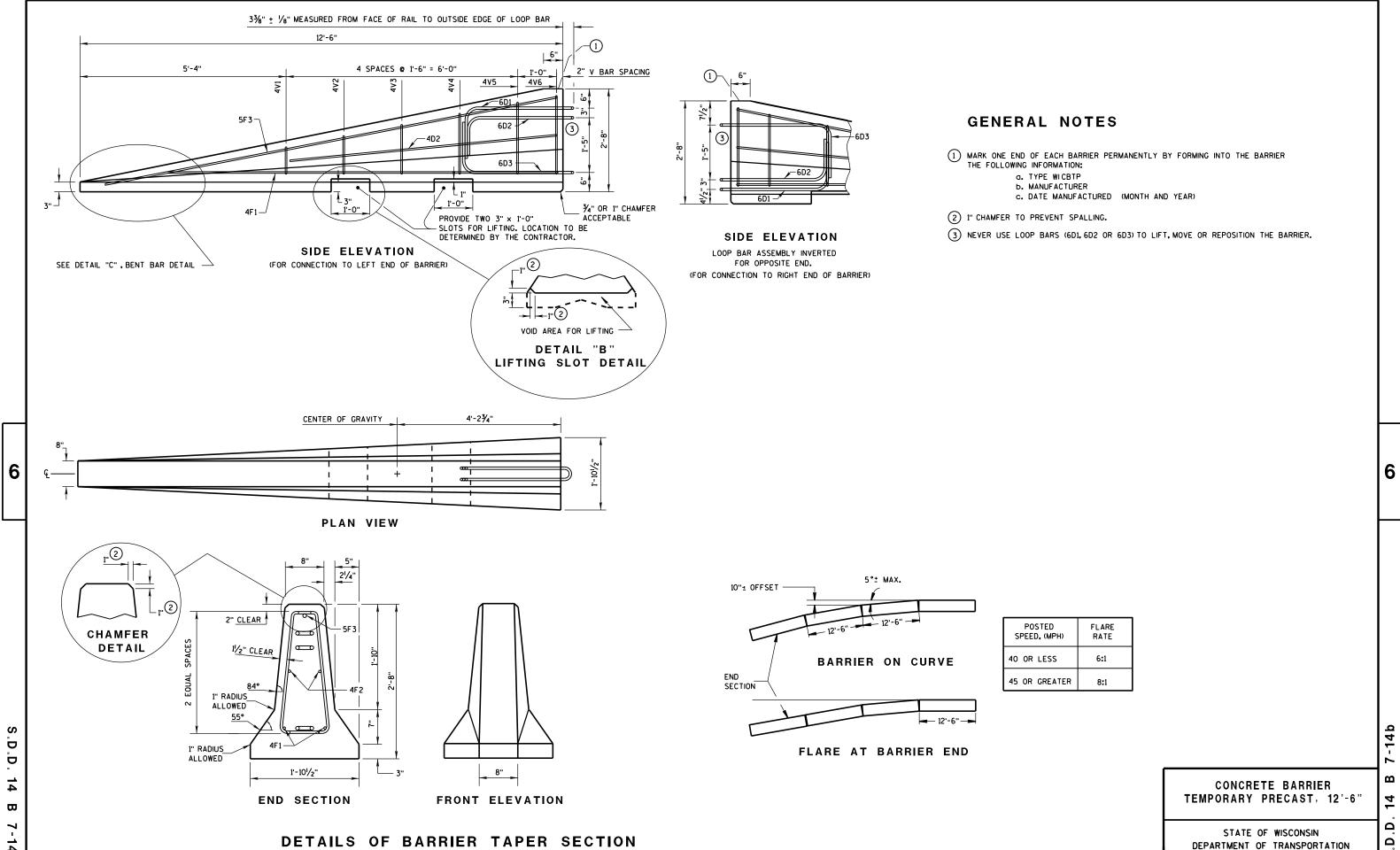
# Standard Detail Drawing List

```
14B07-14A CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14B CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14C CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14D CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14E CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14F CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14G CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14H CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
14B07-14H CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"
15C08-16A PAVEMENT MARKING (MAINLINE)
15D03-02 TRAFFIC CONTROL, LANE CLOSURE, SPEEDS GREATER THAN 40 M. P. H. WITH BARRIER
```

6



DEPARTMENT OF TRANSPORTATION



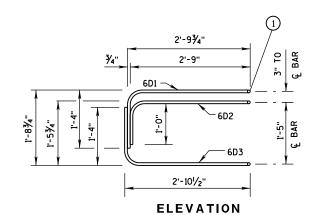
Ω

1) NEVER USE LOOP BARS (6D1, 6D2 OR 6D3) TO LIFT, MOVE OR REPOSITION THE BARRIER.

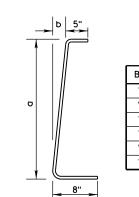
# BARRIER TAPER SECTION BILL OF MATERIALS

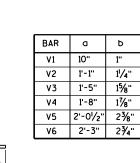
(PER 12'-6" BARRIER TAPER SECTION)

| BAR | BAR<br>SIZE | NO.<br>OF<br>BARS | LENGTH<br>FT. |
|-----|-------------|-------------------|---------------|
| 4V1 | 4           | 2                 | 1'-11"        |
| 4V2 | 4           | 2                 | 2'-2"         |
| 4٧3 | 4           | 2                 | 2'-6"         |
| 4V4 | 4           | 2                 | 2'-9"         |
| 4V5 | 4           | 2                 | 3'-2"         |
| 4V6 | 4           | 2                 | 3'-4"         |
| 4F1 | 4           | 2                 | 12'-0"        |
| 4F2 | 4           | 2                 | 7'-6"         |
| 5F3 | 5           | 1                 | 11'-9"        |
| L   | OOP AS      | SSEMBL            | Υ             |
| 6D1 | 6           | 1                 | 8'-5"         |
| 6D2 | 6           | 1                 | 7'-7"         |
| 6D3 | 6           | 1                 | 8'-6"         |
|     |             | •                 | •             |



LOOP BAR ASSEMBLY





DETAIL "C" BENT BAR DETAIL

2" MIN. CLEAR

2" MIN. CLEAR

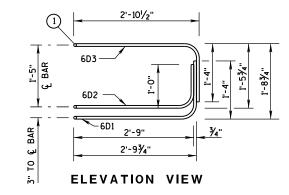
4V BARS
2 AT EACH SIZE REQUIRED
FOR STIRRUP ASSEMBLY

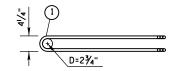
TAPER BARRIER SECTION

# BARRIER SECTION BILL OF MATERIALS

(PER 12'-6" BARRIER SECTION)

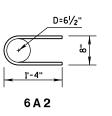
| BAR | BAR<br>SIZE | NO.<br>OF<br>BARS | LENGTH<br>FT. |
|-----|-------------|-------------------|---------------|
| 4A1 | 4           | 12                | 6'-0"         |
| 6A2 | 6           | 6                 | 2'-11"        |
| 5B1 | 5           | 3                 | 12'-2"        |
| 4C1 | 4           | 2                 | 12'-2"        |
| L   | OOP AS      | SSEMBL            | Υ             |
| 6D1 | 6           | 2                 | 8'-5"         |
| 6D2 | 6           | 2                 | 7'-7"         |
| 6D3 | 6           | 2                 | 8'-6"         |

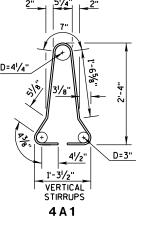




PLAN VIEW Loop bar assembly

(MARKED END SHOWN, INVERT FOR OTHER END)





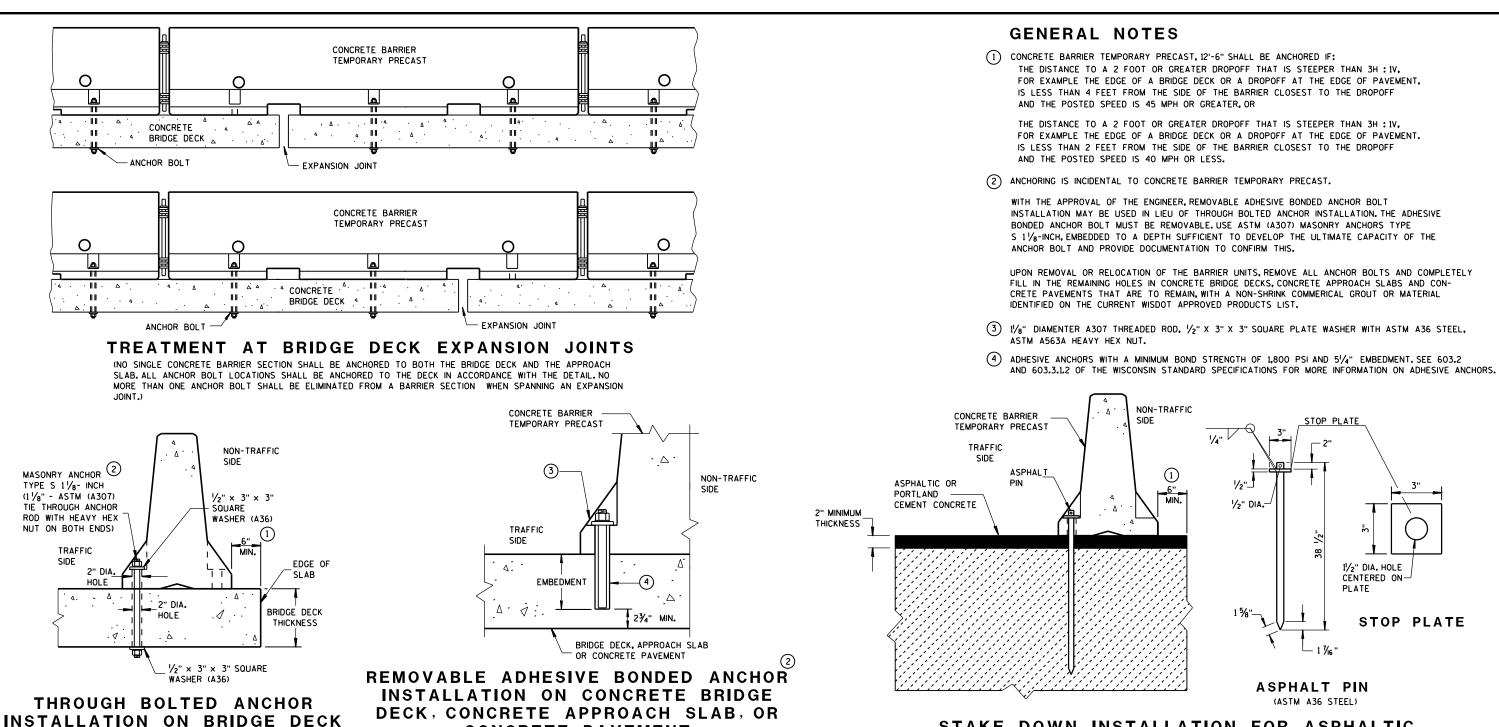
### BARRIER SECTION

CONCRETE BARRIER
TEMPORARY PRECAST, 12'-6"

STATE OF WISCONSIN
DEPARTMENT OF TRANSPORTATION

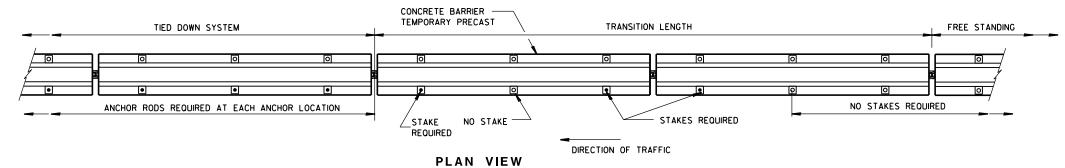
.D.D. 14 B 7-14c

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### STAKE DOWN INSTALLATION FOR ASPHALTIC OR PORTLAND CEMENT CONCRETE SURFACE

(STAKING IS INCIDENTAL TO CONCRETE BARRIER TEMPORARY PRECAST)



**CONCRETE PAVEMENT** 

(DO NOT USE ON CONCRETE WITH AN ASPHALTIC OVERLAY)

FREE STANDING TRANSITION TO TIED-DOWN SYSTEM

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 $\Box$ 

(DO NOTUSE ON CONCRETE BRIDGE DECK WITH ASPHALT OVERLAY)

(PLACE TRANSITION IN A TANGENT SECTION OF BARRIER PARALLEL TO THE ROADWAY, IF TRANSITION OCCURS ON STRUCTURAL SLAB, ANCHOR AS SHOWN,)

**CONCRETE BARRIER** TEMPORARY PRECAST, 12'-6"

11/2" DIA. HOLE

CENTERED ON-

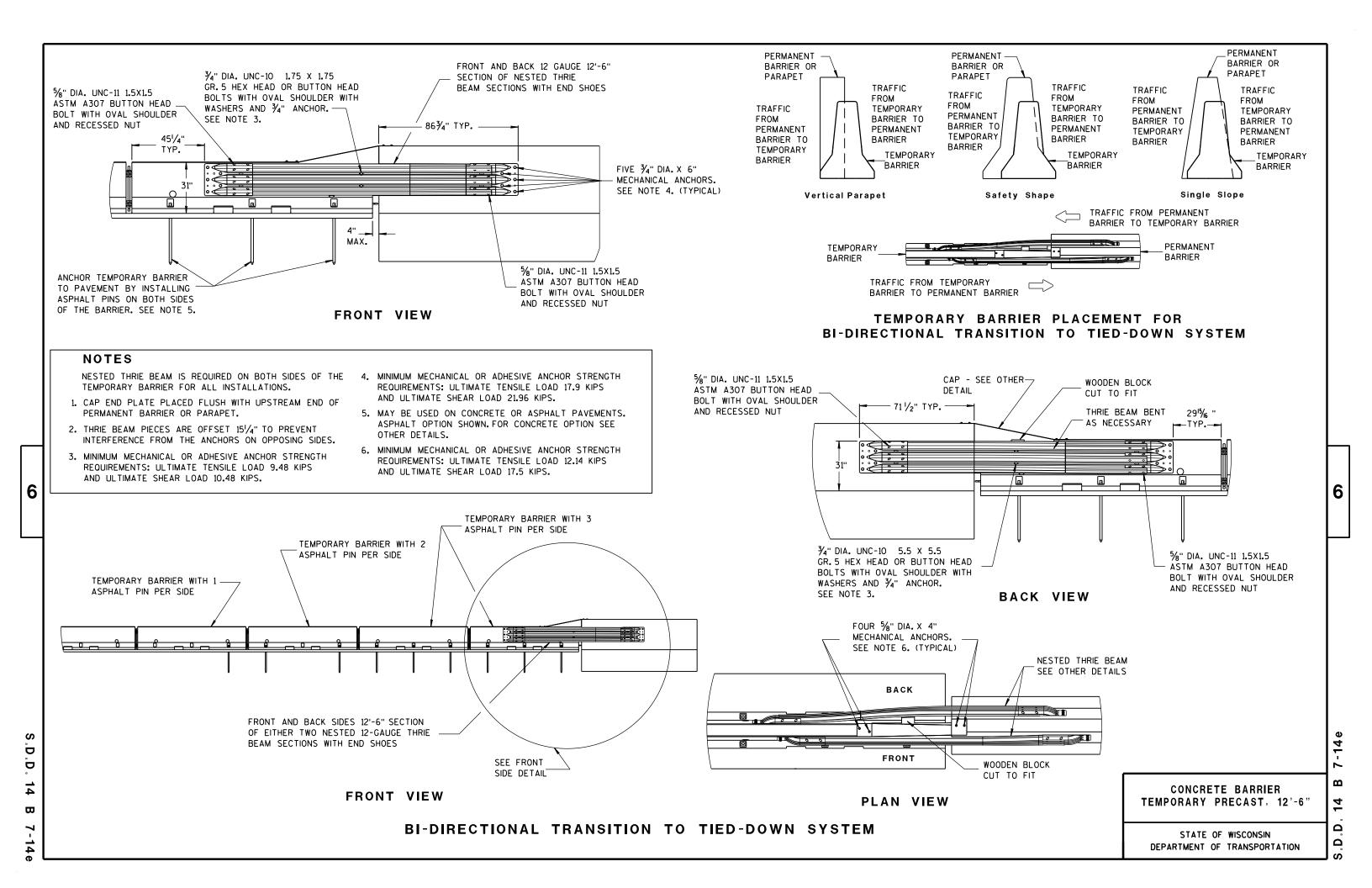
STOP PLATE

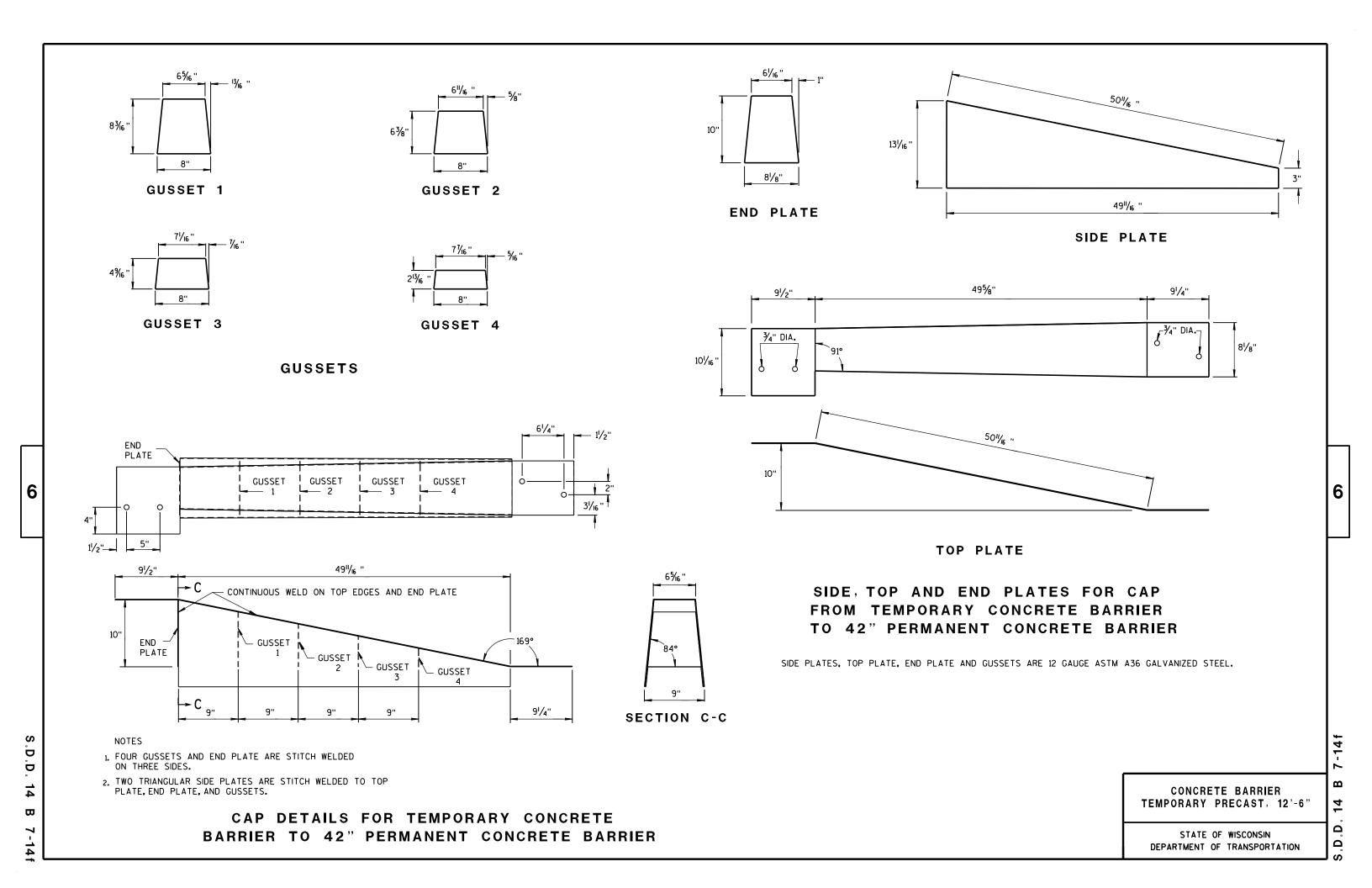
PLATE

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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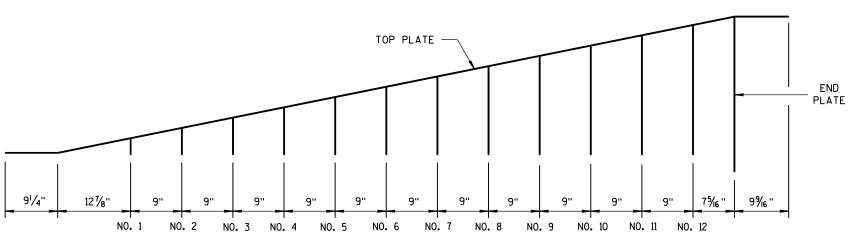
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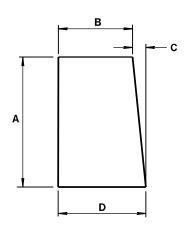
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**GUSSET LOCATION** 

CAP DETAILS FOR TEMPORARY CONCRETE BARRIER TO 56" PERMANENT CONCRETE BARRIER



**GUSSETS 1 - 12** 

ALL GUSSETS 1/8" STEEL PLATE

| GUSSET DIMENSIONS |                                     |                                   |            |                   |
|-------------------|-------------------------------------|-----------------------------------|------------|-------------------|
| GUSSET<br>NO.     | A                                   | В                                 | С          | D                 |
| 1                 | 21/8"                               | 73/4"                             | 1/4"       | 8                 |
| 2                 | 4"/16 "                             | 7% "                              | 1/2"       | 8                 |
| 3                 | 61/2"                               | 73/8"                             | 11/16 "    | 8½6"              |
| 4                 | 85%"                                | 73/16"                            | <b>⅓</b> " | 81/16"            |
| 5                 | 101/8"                              | 7"                                | 1 1/16 "   | 81/16"            |
| 6                 | 11 <sup>15</sup> / <sub>16</sub> '' | 6 <sup>13</sup> // <sub>6</sub> " | 1 1/4"     | 81/16"            |
| 7                 | 13¾"                                | 65/8"                             | 1 1/6"     | 81/16 "           |
| 8                 | 15% "                               | 6 ½ "                             | 1 % "      | 81/16"            |
| 9                 | 173/8"                              | 61/4"                             | 1 13/16 '' | 81/16"            |
| 10                | 193/6"                              | 6½ <sub>6</sub> "                 | 1 15/16 "  | 81/16 "           |
| 11                | 21"                                 | 5 1/8"                            | 23/6"      | 8½ <sub>6</sub> " |
| 12                | 22 <sup>13</sup> / <sub>16</sub> "  | 5 <sup>11</sup> / <sub>16</sub> " | 25/6"      | 8½ <sub>6</sub> " |

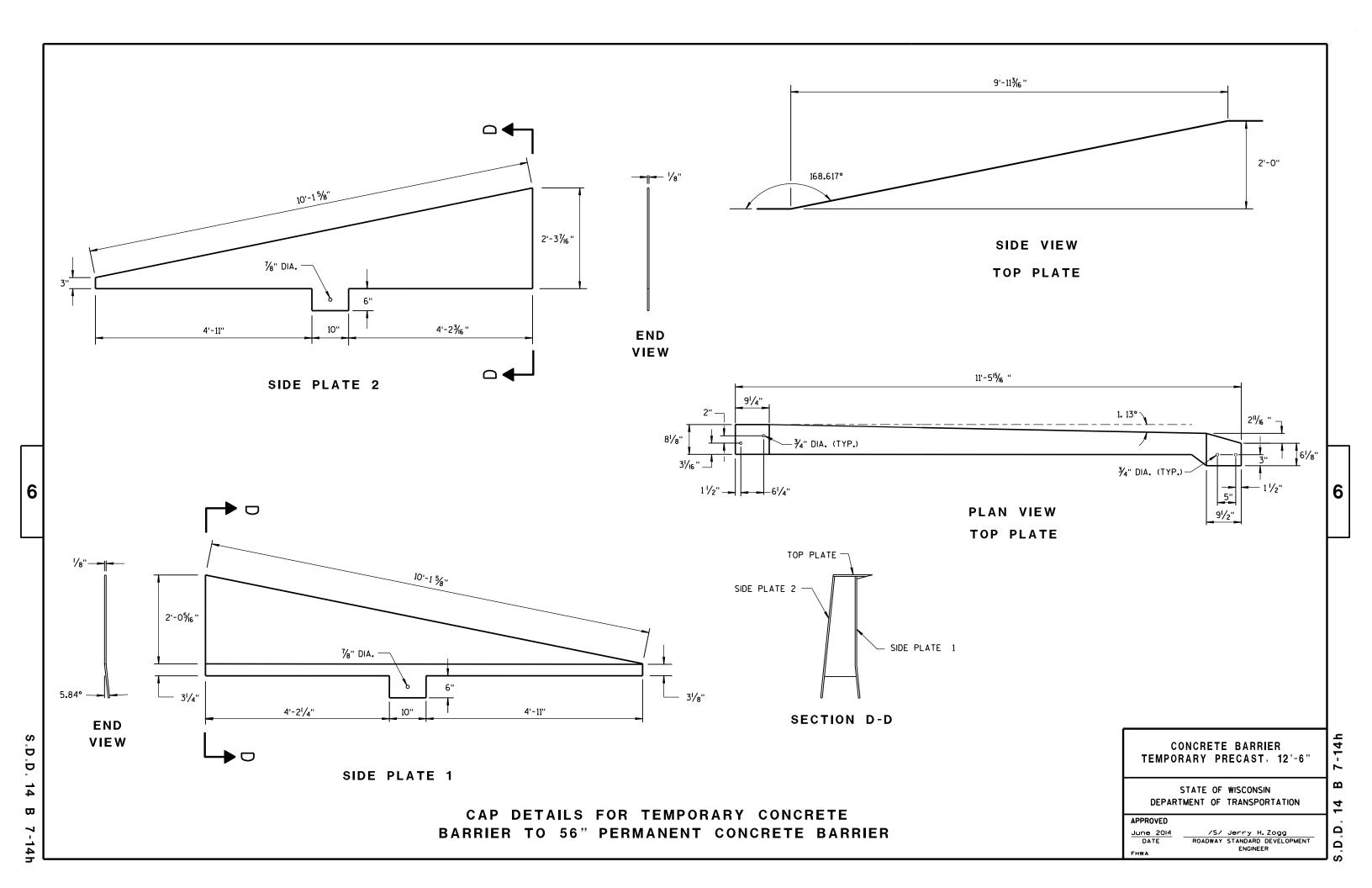
SIDE PLATES, TOP PLATE, END PLATE AND GUSSETS ARE 12 GAUGE ASTM A36 STEEL AND GALVANIZED.

GUSSETS AND END PLATE ARE STITCH WELDED ON 3 SIDES. TWO TRIANGULAR SIDE PLATES ARE STITCH WELDED TO TOP PLATE, END PLATE AND GUSSETS.

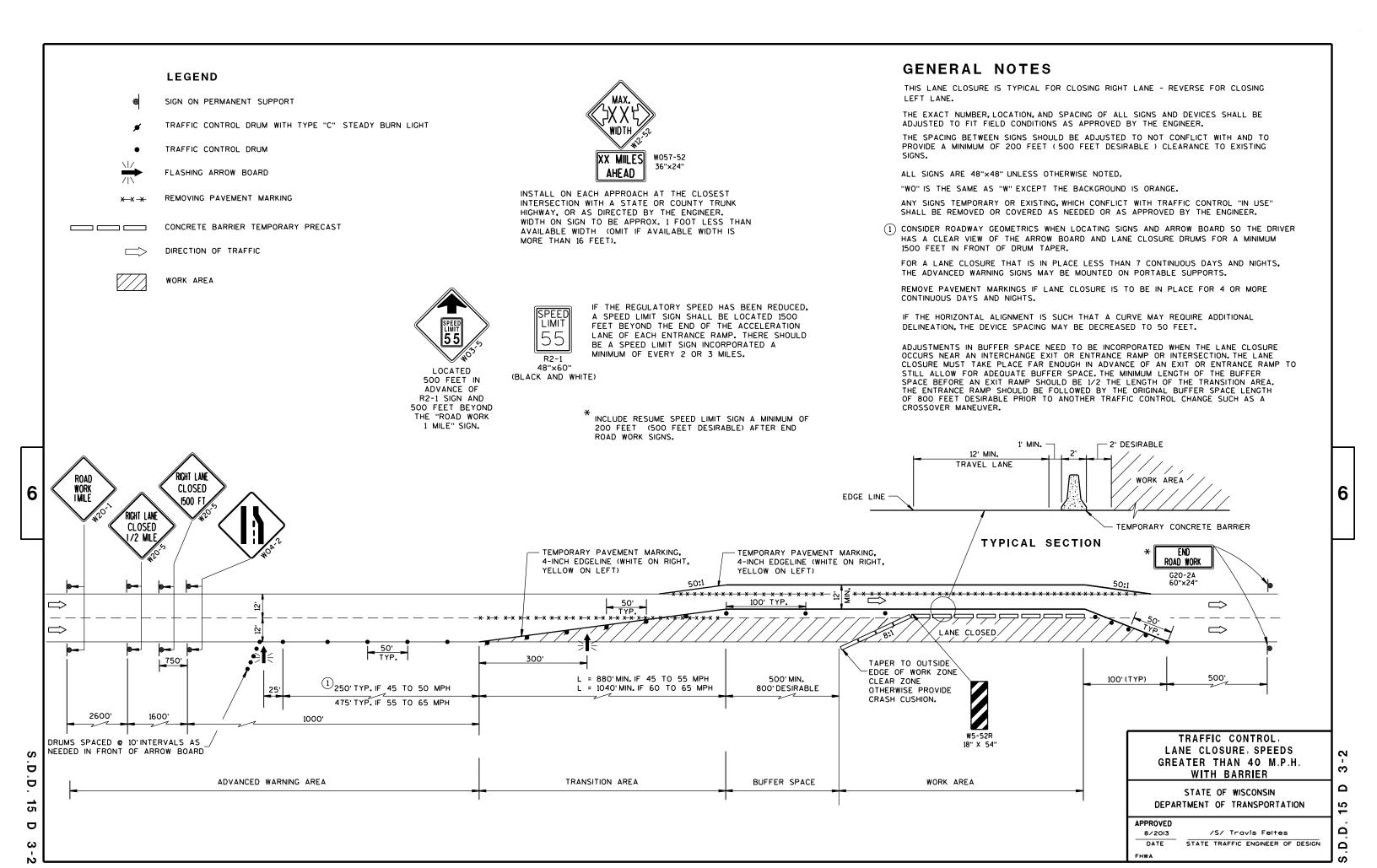
> CONCRETE BARRIER TEMPORARY PRECAST, 12'-6"

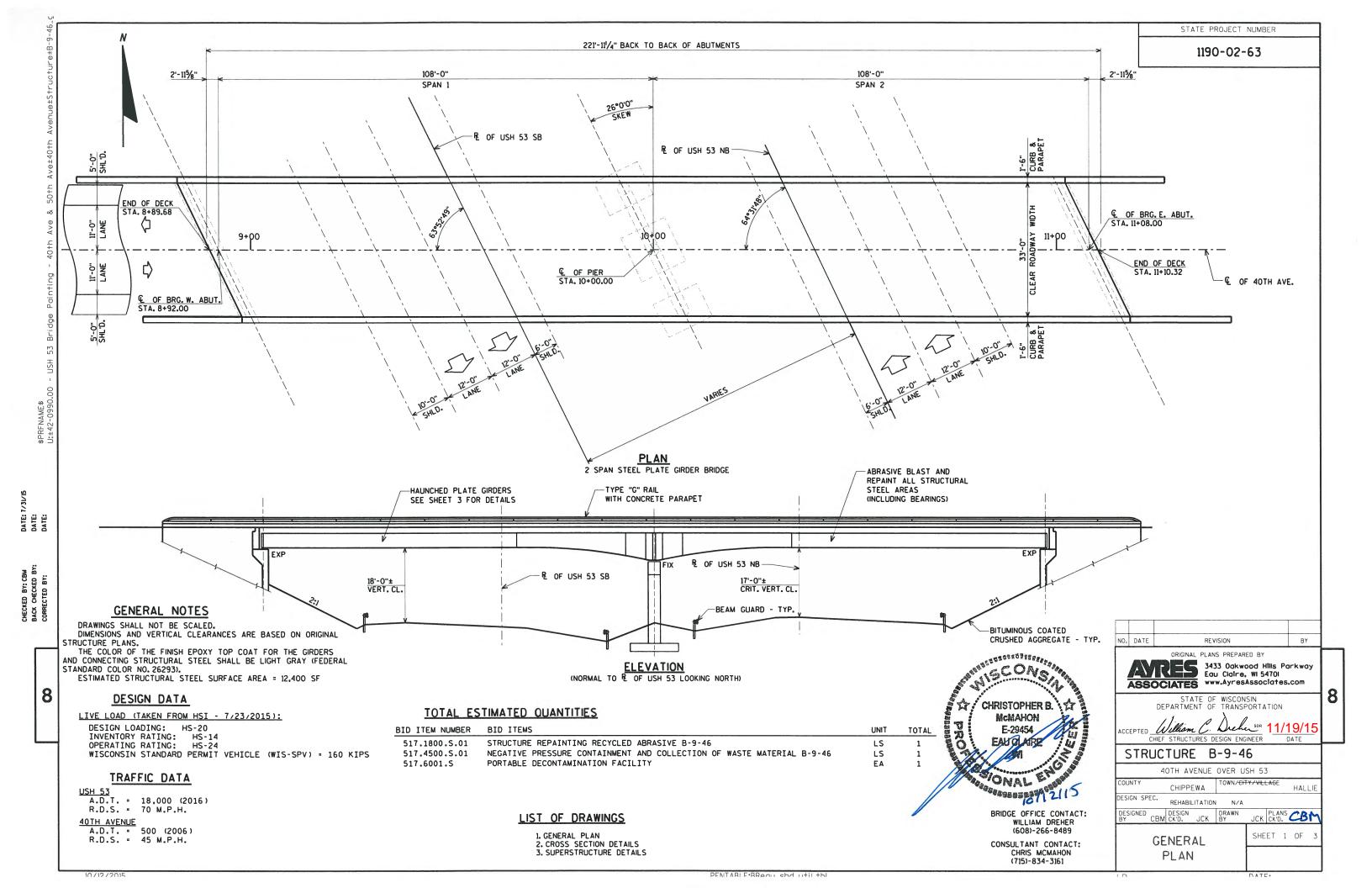
STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

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STATE PROJECT NUMBER 1190-02-63 36'-0" 33'-0" 1'-6" 16'-6" 16'-6" 1'-6" - € OF 40TH AVE. TYPE "G" RAIL - TYP. 71/2" SLAB WITH CONC. OVERLAY -L3×21/2- TYP. C18×42.7 - TYP. - HAUNCHED PLATE GIRDERS SPAN = 3'-6" WEB HAUNCH = 6'-8" WEB —PL 51/2" x3/8" TYP. ALL STRUCTURAL STEEL TO BE BLASTED AND REPAINTED (INCLUDING BEARINGS) -L31/2×31/2- TYP. PL 51/2" x3/8" TYP.-ALL STRUCTURAL STEEL TO BE BLASTED AND REPAINTED (INCLUDING BEARINGS) 3'-71/2" 3 SPA. @ 9'-7" = 28'-9" 3'-71/2" AT PIER IN SPAN CROSS SECTION THRU ROADWAY 8 STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION STRUCTURE B-9-46

ORIGINAL PLANS PREPARED BY

ASSOCIATES

DEPARTMENT OF TRANSPORTATION

STRUCTURE B-9-46

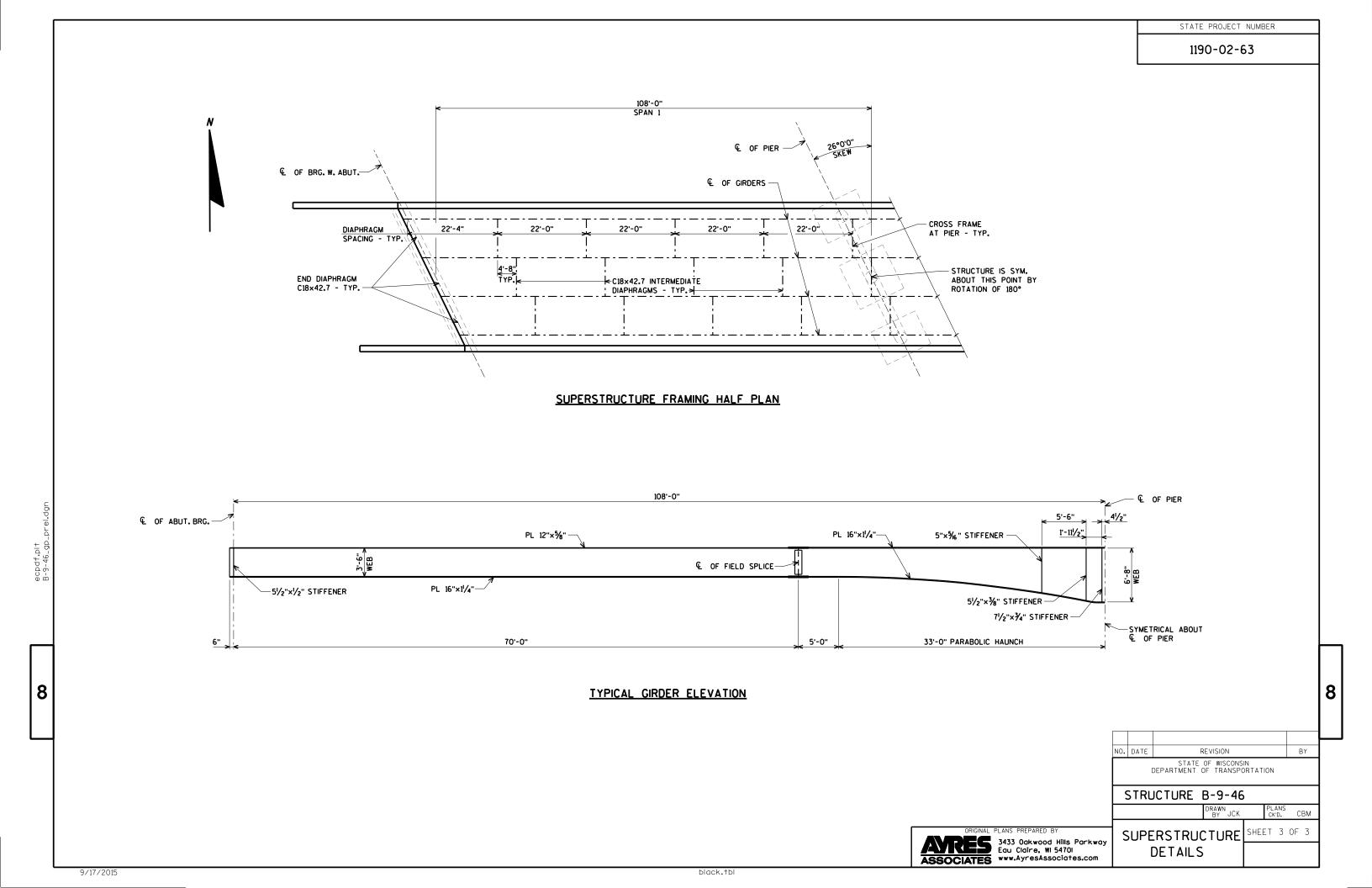
DRAWN DRAWN JCK PLANS CBM

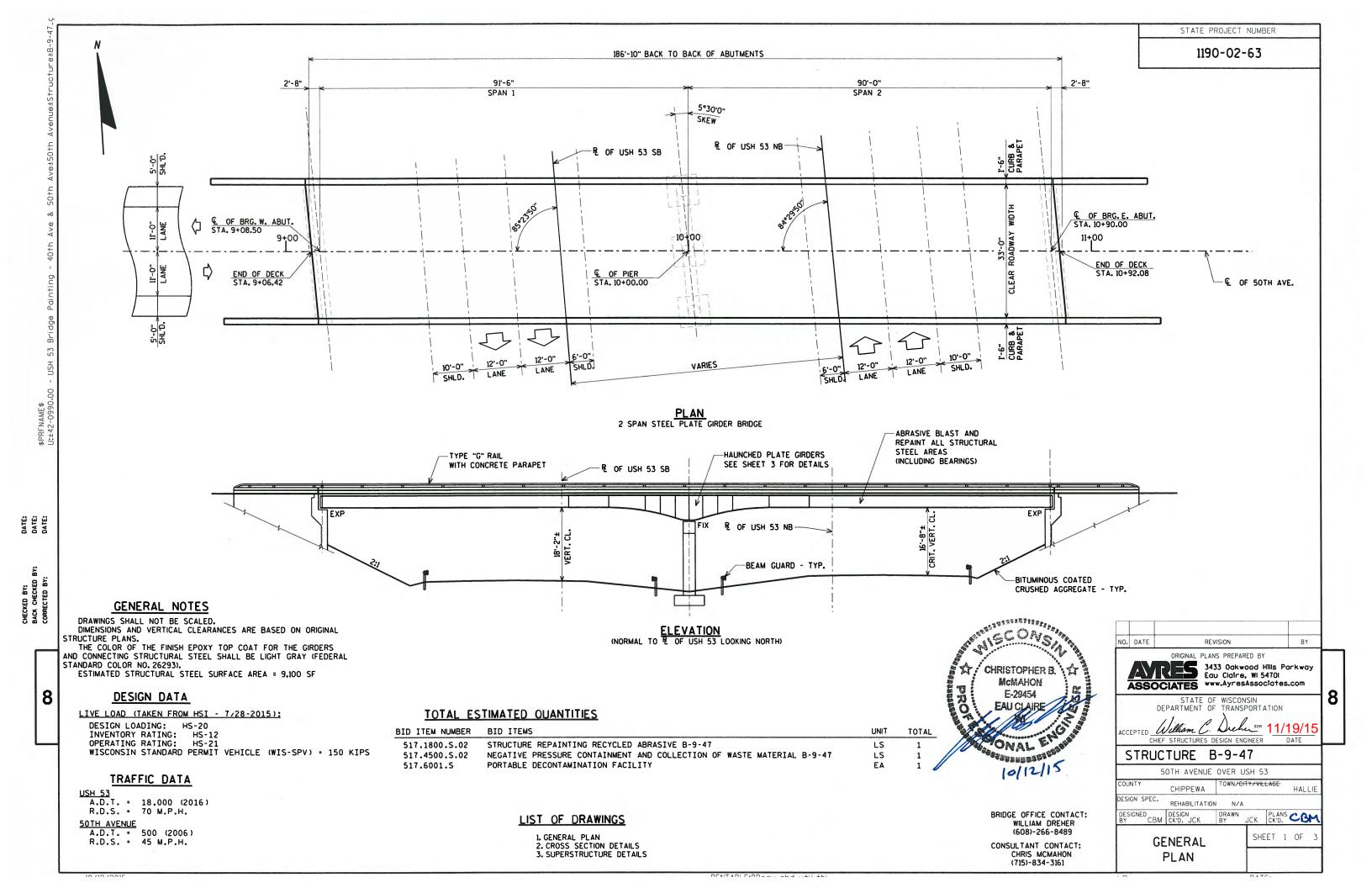
CROSS SECTION
DETAILS

SHEET 2 OF 3

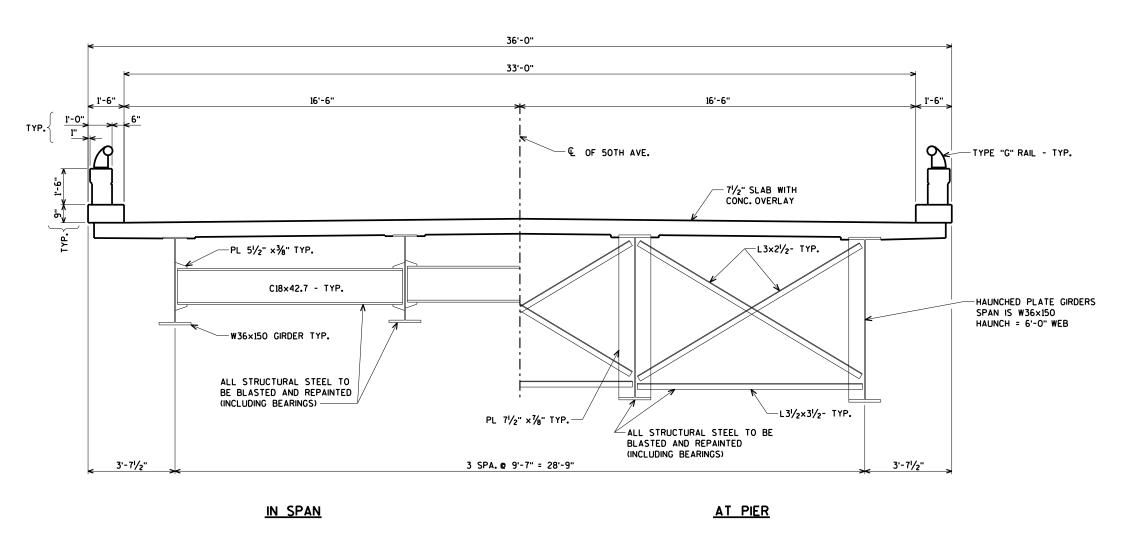
DETAILS

9/17/2015 black.+bl





1190-02-63



CROSS SECTION THRU ROADWAY

ORIGINAL PLANS PREPARED BY

3433 Oakwood Hills Parkway Eau Claire, WI 5470I www.AyresAssociates.com

NO. DATE REVISION BY

STATE OF WISCONSIN DEPARTMENT OF TRANSPORTATION

STRUCTURE B-9-47

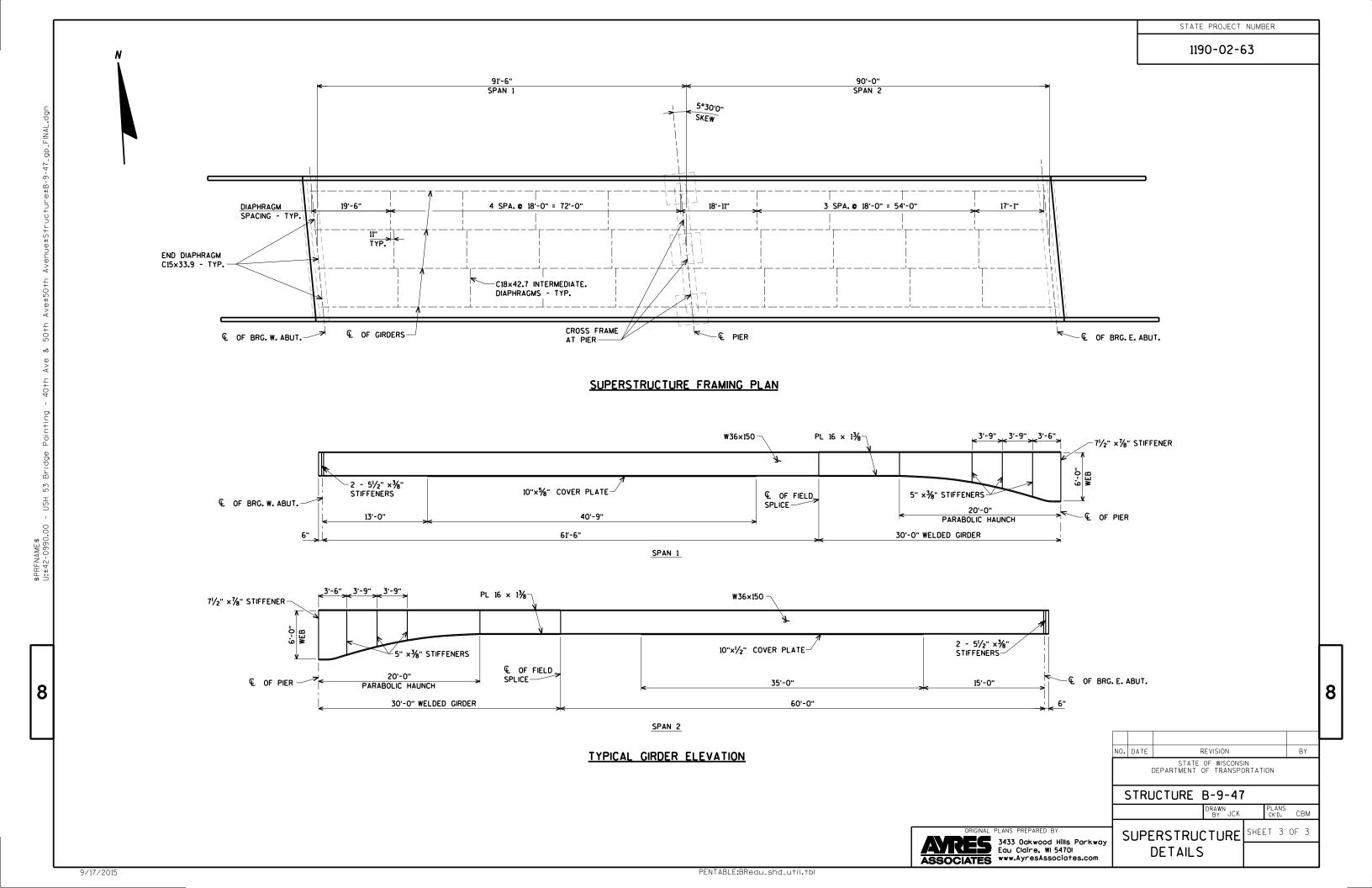
DRAWN BY JCK PLANS CBM

CROSS SECTION SHEET 2 OF 3

DETAILS

8

9/17/2015



Notes



# Wisconsin Department of Transportation

Dedicated people creating transportation solutions through innovation and exceptional service.

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