FOOTING NOTES:
A portion of the in-place bridge foundation is within the limits of the proposed bridge foundation. Existing timber piles should be cut off 3 feet below the level of the proposed bottom of footing elevation. Remaining material should be removed and placed in accordance with AASHTO Spec. 2145.282.

SOUTHWEST CORNER

FOOTING PLAN

SUMMARY OF QUANTITIES FOR WEST ABUTMENT

<table>
<thead>
<tr>
<th>ID</th>
<th>ITEM</th>
<th>QTY</th>
<th>UNIT</th>
</tr>
</thead>
<tbody>
<tr>
<td>2400.0601</td>
<td>STRUCTURAL CONCRETE (ACID)</td>
<td>100</td>
<td>CUB. YD.</td>
</tr>
<tr>
<td>2400.0602</td>
<td>STRUCTURAL CONCRETE (CIFA)</td>
<td>214</td>
<td>CUB. YD.</td>
</tr>
<tr>
<td>2400.0604</td>
<td>REINFORCMENT RARS (SPIRAL COATED)</td>
<td>23.291</td>
<td>POUND</td>
</tr>
<tr>
<td>2411.0601</td>
<td>ARCHITECTURAL CONCRETE TEXTURE (STONE)</td>
<td>1550</td>
<td>CUB. YD.</td>
</tr>
<tr>
<td>2411.0602</td>
<td>ARCHITECTURAL CONCRETE TEXTURE (STONE)</td>
<td>1085</td>
<td>CUB. YD.</td>
</tr>
<tr>
<td>2411.0603</td>
<td>ARCHITECTURAL SURFACE FINISH MULTI-COLORED</td>
<td>245</td>
<td>CUB. YD.</td>
</tr>
<tr>
<td>2411.0604</td>
<td>ANTI-SLIP COATING</td>
<td>244</td>
<td>CUB. YD.</td>
</tr>
</tbody>
</table>

NOTES:
SEE SHEET 5 FOR SECTION A-A;
SEE SHEET 6 FOR SECTION B-B;
SEE SHEET 8 FOR SECTION C-G.

MAY 21 2014
Revised for Construction

AMES CONSTRUCTION

AMEST TEAM
WEST ABUTMENT DETAILS
S.P. NO. 6260-62646
BRIDGE NO. 62646 SHEET 4 OF 55
Ames Construction
MAY 31, 2014
Released for Construction

NOTES:

1. APPLY ANTI-SLIP COATING TO ALL VISIBLE EXPOSED SURFACES, INCLUDING 2'-0" BELOW
   GRADE OF BRIDGE ABUTMENT AND WINGWALLS.

2. SEE SHEET 5 FOR SECTION C-C AND D-D LOCATIONS.

3. ANCHOR BOLT CLUSTER FOR LIGHT POLE CENTERED
   ON PILASTER SEE DETAIL 5990 ON SHEET 5.

4. 1" POLYSTYRENE TYPE B SEAL WITH SELF-LEVELING
   S'SCONE PER WBD 372.

5. 4-1/2" X 1/2" PENETRAL DRILLED HOLE 4'-0" IN LENGTH, GALVANIZED BOLTS
   AND NUTS IN ACCORDANCE WITH WBD SPEC 3326.
FOOTING NOTES:
A portion of the in-place bridge foundation is within the limits of the proposed bridge foundation. Existing timber piles should be cut off 3 ft. below the level of the proposed bottom of footing elevation. Remove existing timber piles and replace footing below proposed bottom of footing elevation and replace existing timber piles and footings. Complete work in accordance with Exhibit D02.032.

FOOTING PLAN

SUMMARY OF QUANTITIES FOR EAST ABUTMENT

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>ITEM</th>
<th>UNIT</th>
<th>QTY.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2401.01</td>
<td>STRUCTURAL CONCRETE (1443)</td>
<td>183</td>
<td>CBM.</td>
</tr>
<tr>
<td>2402.01</td>
<td>STRUCTURAL CONCRETE (1443)</td>
<td>255</td>
<td>CBM.</td>
</tr>
<tr>
<td>2403.01</td>
<td>REINFORCEMENT BARS</td>
<td>78,663</td>
<td>POUND</td>
</tr>
<tr>
<td>2405.01</td>
<td>REINFORCEMENT BARS REPORT COATED</td>
<td>22,441</td>
<td>POUND</td>
</tr>
<tr>
<td>2411.01</td>
<td>ACHITECTURAL CONCRETE TEXTURE (OUT STONE)</td>
<td>1050</td>
<td>SQ.FT.</td>
</tr>
<tr>
<td>2411.01</td>
<td>ACHITECTURAL CONCRETE TEXTURE (OUT STONE)</td>
<td>1050</td>
<td>SQ.FT.</td>
</tr>
<tr>
<td>2411.01</td>
<td>ACHITECTURAL SURFACE FINISH (MULTI-COLOR)</td>
<td>2300</td>
<td>SQ.FT.</td>
</tr>
<tr>
<td>2411.01</td>
<td>ACHITECTURAL SURFACE FINISH (MULTI-COLOR)</td>
<td>2300</td>
<td>SQ.FT.</td>
</tr>
</tbody>
</table>

 NOTES:
SEE SHEET 17 FOR SECTION B-G.

S.P. NO. 6260-62646 BRIDGE NO. 62646 SHEET 14 OF 55

AMES CONSTRUCTION
MAY 21 2014
Released for Construction

AMES TEAM
SECTION C-C

SECTION D-D

SECTION C-C

SECTION D-D

NOTES:

1. APPLY ANTI-GRAFFITI COATING TO ALL VISIBLE EXPOSED SURFACES EXCLUDING 1'-0" BELOW GRADE OF BRIDGE ABUTMENT AND WINDOWALLS.

2. SEE SHEET IS FOR SECTION C-C AND D-D LOCATIONS.

3. ALL WORK MUST BE IN ACCORDANCE WITH SWIB SPEC 3360.

Ames Construction
MAY 21 2014
Released for Construction
SEAT BEAM PLAN

EAST ABUTMENT DIAPHRAGM AND SEAT BEAM ELEVATION

NOTES:
1. SEE SHEET 46 FOR ELASTOMERIC BEARING PAD DETAILS.
2. SEE SHEET 33 FOR ABUTMENT SEAT BEAM DETAIL.

AMES TEAM
SUPERSTRUCTURE DETAILS & REINFORCEMENT
SUMMARY OF QUANTITIES FOR DRAINAGE SYSTEM

4" DIA. PERFORATED PIPE LIN. FT.
4" DIA. NON-PERFORATED PIPE LIN. FT.
3" SLEEVE EACH
4" DIA. END CAP EACH
4" DIA. DIAM. SLEEVE EACH
PRECAST CONCRETE HEADWALL EACH

FOR INFORMATION ONLY:

- THE SUMMARY OF QUANTITIES FOR DRAINAGE SYSTEM
- THE QUANTITIES ARE BASED ON 3" PERFORATED AND 4" NON-PERFORATED PIPE MATERIAL.
- IF THE DESIGN CHANGES, THE CONTRACTOR IS RESPONSIBLE FOR THE REORDERING OF MATERIALS.
- THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF THE DRAINAGE SYSTEM.

SECTION THROUGH PARAPET AND SEMI INTEGRAL ABUTMENTS

SECTION A-A

ALTERNATE MECHANICAL CASE

DETAIL "A"

NOTES:

- ALL PIPE SHALL COMPLY WITH Mn/DOT SPEC. 2960.
- WRAP PERFORATED PIPE WITH GENTILE AS PER Mn/DOT SPEC. 3730, SET 1/4" THICK TO ATTACH TO PIPE AS PER Mn/DOT SPEC. 2960.
- CONCRETE HEADWALL WITH PRECAST CONCRETE SLAB SEE Mn/DOT SPEC. 3130 FOR DETAILS.
- 3" DIA. PERFORATED PIPE SEE Mn/DOT SPEC. 2943.28b.
- SELECT DRAINAGE GRATING MODIFIED So THAT THE DRAINAGE HOLE IS NOT MORE THAN 1/2" CENTER PATTERN (SELECT DRAINAGE MODIFIED)
- SEE SHEET 5 AND TITLE 80 OF DRAINAGE SYSTEM AT EACH ABUTMENT.

MODIFICATIONS:
ADD TWO 40" WHEEL AT ABUTMENT CORNER FILLET.

STANDARD RAIL TYPES

<table>
<thead>
<tr>
<th>TYPE</th>
<th>ANCHOR LENGTH</th>
</tr>
</thead>
<tbody>
<tr>
<td>CONCRETE PARAPET P-1.25D</td>
<td>2'-0&quot;</td>
</tr>
<tr>
<td>CONCRETE PARAPET P-4.50D</td>
<td>2'-0&quot;</td>
</tr>
</tbody>
</table>

NOTES:

- ALL RODS TO BE 3/8" NON-RETURN SAE WITH 1 - RINC 2A THREADS.
- HEAVY HEX NUTS, 3/8" DIA. NUTS, AND FLAT WASHERS PER Mn/DOT SPEC. 2960.
- THREADED RODS ARE TO BE DUAL REINFORCEMENT.
- THE CONTRACTOR IS RESPONSIBLE FOR THE INSTALLATION OF THE DRAINAGE SYSTEM.
- MODIFIED CONCRETE SLAB TO 40" WHEEL.

MODIFICATIONS:
- REMOVED TWO ANCHOR RODS AND ADJUSTED ELEVATION.
- ADDED MECHANICAL CASE ALTERNATIVE.
- MODIFIED CONCRETE ROOF TO 40" WHEEL.

APPROVED: MARCH 29, 2003

STATE OF MINNESOTA
DEPARTMENT OF TRANSPORTATION
DRAINAGE SYSTEM

STATE OF MINNESOTA
DEPARTMENT OF TRANSPORTATION
ANCHOR BOLT CLUSTER FOR LIGHT POLES

S.P. NO. 6280-62646
BRIDGE NO. 62646
AMES TEAM
DETAILS
SHEET 50
OF 55
**CONCRETE WEARING COURSE**

- **LOW SLUMP**
- **OTHER**

**TYPE OR MANUFACTURER**

**EXPANSION JOINTS**

**JOINT MANUFACTURER**

**MANUFACTURERS IDENTIFICATION**

**MFR'S NO. AND/OR LETTER DESIGNATION FOR JOINT USED**

**SLAND MANUFACTURER**

**NAME AND ADDRESS (CITY, STATE)**

**SIZE OF SLAND**

**MANUFACTURERS IDENTIFICATION**

**MFR'S NO. AND/OR LETTER DESIGNATION FOR SLAND USED**

**ELASTOMERIC BEARING PADS**

**PAD MANUFACTURER**

**NAME AND ADDRESS (CITY, STATE)**

**SPECIAL SURFACE FINISH**

**SYSTEM**

**COLOR**

**FINISHING ROADWAY FACES OF BARRIER RAILING**

**TYPE**

**COLOR**

**ANTI-GRAFFITI COATING**

**MANUFACTURER**

**NAME AND ADDRESS (CITY, STATE)**

**PRODUCT NAME**

**LOCATION**

---

**PAINT SYSTEM**

**MV/DOT SPECIFICATION NUMBER**

**2479 OR 2479 OR OTHER**

**MANUFACTURER**

**NAME AND ADDRESS (CITY, STATE)**

**PRIME COAT**

**MV/DOT MATERIAL SPECIFICATION NUMBER**

**INTERMEDIATE COAT**

**MV/DOT MATERIAL SPECIFICATION NUMBER**

**FINISH COAT**

**MV/DOT MATERIAL SPECIFICATION NUMBER**

**COLOR**

**PLAN QUALITY**

**RATE 1 (EXCELLENT), 2 (GOOD), 3 (FAIR), 4 (POOR), PLEASE COMMENT BELOW**

**COMMENTS**

---

**SUMMARY OF SIGNIFICANT AS-BUILT CHANGES**

---

**BRIDGE REMOVAL / BRIDGE OPENING**

**NUMBER OF AND DATE OLD BRIDGE WAS REMOVED (IF APPLICABLE)**

**BRIDGE NUMBER**

**DATE REMOVED**

**DATE NEW BRIDGE WAS OPENED TO TRAFFIC**

---

**AS-BUILT DETAILS**

**AS-NEEDED**

---

**OTHER ITEMS**

**UTILITY ADDS DURING CONSTRUCTION AND SPECIALTY ITEMS**

**YES**

**NO**

---

**INSPECTORS SIGNATURE**

**DATE**

---

**AMECT TEAM**

**AS-BUILT BRIDGE DATA**

---

**Fig. 5-397,000**

**S.P. NO. 6280-62646**

**BRIDGE NO. 62646**

**52**

**OF**

**55**