

**4 CONCRETE**

- 4.1. CONCRETE PORTIONS OF THE ABUTMENT AND WINGWALLS ABOVE THE TOP OF FOOTING SHALL NOT BE PLACED UNTIL THE ENGINEER HAS APPROVED THE FINAL BRIDGE SEAT ELEVATIONS FOR THE TRUSS AND RELATED BRIDGE COMPONENTS.
- 4.2. NO CONCRETE IN ABUTMENTS OR WINGWALLS SHALL BE PLACED ABOVE THE BRIDGE SEAT ELEVATIONS UNTIL THE STRINGERS OR BEAMS HAVE BEEN PROFILED AND THE FINISHED GRADE OF THE DECK HAS BEEN DETERMINED.
- 4.3. FOR BRIDGE DECK POURS, THE MAXIMUM TIME LIMIT FOR ANY COMBINATION OF POURS DONE IN ANY ONE DAY SHALL BE EIGHT HOURS. THERE SHALL BE A MINIMUM OF 96 HOURS BETWEEN THE COMPLETION OF ONE DAY'S POUR AND THE BEGINNING OF OTHER ADJACENT POURS. ALL INDIVIDUAL DECK POURS SHALL START FROM THE LOW END OF THE BRIDGE.
- 4.4. THE VERTICAL CONSTRUCTION JOINTS FOR THE ABUTMENTS AND WINGWALLS AS SHOWN IN THESE PLANS ARE OPTIONAL. CONTRACTION JOINTS SHALL BE PROVIDED AS DETAILED IN THESE PLANS IF ANY OF THE CONSTRUCTION JOINTS ARE RELOCATED OR REMOVED.
- 4.5. ALL PERMANENTLY EXPOSED CONCRETE SURFACES, EXCEPT THE BOTTOM OF THE DECK, BETWEEN THE DRIP NOTCHES, SHALL BE TREATED WITH WATER REPELLENT, SILANE IN ACCORDANCE WITH SECTION 514.
- 4.6. SURFACES OF BRIDGE SEATS UNDER BEARING DEVICES SHALL BE LEVEL. ALL OTHER AREAS OF BRIDGE SEATS SHALL BE SLOPED DOWN 1/2 INCH PER FOOT TOWARD THE NEAREST OUTSIDE FACE OF THE SUBSTRUCTURE UNIT TO PREVENT WATER PONDING ON THE BRIDGE SEAT AREA. THE ENTIRE BRIDGE SEAT SURFACE SHALL BE GIVEN A MAGNESIUM FLOAT FINISH.
- 4.7. ALL ABUTMENT REINFORCING STEEL ABOVE THE BRIDGE SEAT ELEVATION, INCLUDING REINFORCING STEEL THAT EXTENDS ABOVE THE BRIDGE SEAT, SHALL BE LEVEL II REINFORCING STEEL AS DESCRIBED IN SECTION 507 OF THE GENERAL SPECIAL PROVISIONS.
- 4.8. THE AGENCY PROJECT RESIDENT ENGINEER SHALL DOCUMENT STEEL TYPE AND GRADE FOR EACH CORRESPONDING LEVEL OF CORROSION RESISTANCE ON "AS BUILT "REBAR" DETAIL" BOX LOCATED ON PRELIMINARY INFORMATION SHEET. THIS INFORMATION IS REQUIRED FOR THE AS CONSTRUCTED (AS BUILT) RECORD PLANS.
- 4.9. SUBSTRUCTURE CONCRETE, INCLUDING THE BACKWALL AND APPROACH SLABS SHALL BE HIGH PERFORMANCE CLASS B AND SHALL BE PAID FOR UNDER ITEM 501.34, CONCRETE, HIGH PERFORMANCE CLASS B. DECK CONCRETE SHALL BE HIGH PERFORMANCE CLASS A AND SHALL BE PAID FOR UNDER ITEM 900.645, SPECIAL PROVISION (PREFABRICATED TRUSS BRIDGE.). BRIDGE CURB SHALL BE HIGH PERFORMANCE CLASS A AND SHALL BE PAID FOR UNDER ITEM 501.33, CONCRETE, HIGH PERFORMANCE CLASS A. CURB FOR APPROACH RAIL SECTIONS SHALL BE AS DETAILED ON THE PLANS AND SHALL BE INCIDENTAL TO ITEM 900.620 SPECIAL PROVISION (GUARDRAIL APPROACH SECTION, GALVANIZED 2 RAIL BOX BEAM).
- 4.10. THE BAR LIST AND BENDING SCHEDULES SHALL BE PREPARED BY THE VENDOR AS SPECIFIED IN SUBSECTION 507.09. PAYMENT FOR THIS WORK SHALL BE INCIDENTAL TO ITEMS 507.11 REINFORCING STEEL, LEVEL I AND 507.12 REINFORCING STEEL LEVEL II.

**5 TEMPORARY DETOUR AND TRAFFIC CONTROL**

- 5.1. DURING CONSTRUCTION, TRAFFIC SHALL BE MAINTAINED ON A TWO-WAY TEMPORARY BRIDGE, TO BE LOCATED DOWNSTREAM OF THE EXISTING STRUCTURE IN ACCORDANCE WITH SECTION 528. ALL WORK ASSOCIATED WITH THE INSTALLATION AND REMOVAL OF THE TEMPORARY BRIDGE AND ITS APPROACHES, INCLUDING TEMPORARY TRAFFIC BARRIER, ENERGY ABSORPTION ATTENUATORS, PAVEMENT, AND PAVEMENT MARKINGS WILL BE INCLUDED IN THE UNIT PRICE BID FOR CONTRACT ITEM 528.11. ALL FILLS AND CONSTRUCTION ACTIVITIES SHALL TAKE PLACE WITHIN THE LIMITS SHOWN ON THE PLANS.
- 5.2. THE CONTRACTORS ATTENTION IS DIRECTED TO THE REQUIREMENTS OF SECTION 621 REGARDING TEMPORARY TRAFFIC BARRIER AND ENERGY ABSORPTION ATTENUATORS.
- 5.3. THE CONTRACTOR SHALL ERECT AND MAINTAIN ALL TEMPORARY SIGNS ON AND OFF THE PROJECT INCLUDING DRUMS AND BARRICADES AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 641.10, TRAFFIC CONTROL.
- 5.4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE MAINTENANCE OF THE EXISTING STRUCTURE UNTIL THE TEMPORARY BRIDGE IS IN PLACE AND OPEN TO TRAFFIC. THIS WORK SHALL MEET THE REQUIREMENTS OF SECTION 527 AND SHALL BE PAID FOR UNDER ITEM 527.10.

- 5.5. THE AREA DISTURBED BY THE TEMPORARY DETOUR SHALL BE RESTORED TO ITS ORIGINAL GRADE AND VEGETATED. THE COST OF THE SEED, FERTILIZER, MULCH AND LIME WILL BE INCIDENTAL TO ITEM 528.11, TWO-WAY TEMPORARY BRIDGE.
- 5.6. THE CONTRACTOR SHALL COVER OR REMOVE ANY SIGNS THAT CONTRADICT TEMPORARY TRAFFIC CONTROL SIGNS. ALL SIGNS REMOVED OR COVERED BY THE CONTRACTOR SHALL BE REPLACED OR UNCOVERED BY THE CONTRACTOR WHEN THE TRAFFIC CONTROL PLAN IS DISASSEMBLED. PAYMENT FOR THIS WORK SHALL BE CONSIDERED INCIDENTAL TO ITEM 641.10, TRAFFIC CONTROL. ANY DAMAGE TO EXISTING SIGNS BY THE CONTRACTOR SHALL BE REPLACED BY THE CONTRACTOR WITH NO ADDITIONAL COMPENSATION.
- 5.7. THE SPEED LIMIT SHALL BE REDUCED TO 25 MPH DURING CONSTRUCTION. THE CONTRACTOR SHALL PLACE REVISED SPEED LIMIT SIGNS AS SHOWN ON THE PLANS AND IN ACCORDANCE WITH THE LATEST EDITION OF THE MUTCD. ONCE WORK HAS BEEN COMPLETED THE SIGNS SHALL BE REMOVED. THE DETOUR IS DESIGNED FOR 15 MPH. ADVISORY SIGNS SHALL BE POSTED IN ACCORDANCE WITH STANDARD E-107. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO ITEM 641.10, TRAFFIC CONTROL.

---

PROJECT NAME:	WARREN
PROJECT NUMBER:	BRF 013-4 (14)
FILE NAME:	s78f242forms.dgn
PROJECT LEADER:	J. LACROIX
DESIGNED BY:	U. STANLEY
GENERAL NOTES SHEET	2
PLOT DATE:	27-JUL-2012
DRAWN BY:	M. LONGSTREET
CHECKED BY:	S. SCRIBNER
SHEET	4 OF 83