

GENERAL NOTES

SPECIFICATIONS:

COMPLY WITH THE REQUIREMENTS OF THE 2009 STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION, EXCEPT AS MODIFIED BY THE PLANS AND SPECIAL PROVISIONS.

VERIFICATION OF EXISTING CONDITIONS:

BIDDERS SHALL FULLY INFORM THEMSELVES OF THE NATURE OF THE WORK AND CONDITIONS UNDER WHICH IT WILL BE PERFORMED. THE CONTRACTOR SHALL ADOPT METHODS CONSISTENT WITH GOOD CONSTRUCTION PRACTICE AND SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT DAMAGE TO ANY EXISTING BRIDGE STRUCTURE OR ROADWAY. ANY DAMAGE TO THE BRIDGE STRUCTURE OR ROADWAY DUE TO THE CONTRACTOR'S NEGLIGENCE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE, TO THE SATISFACTION OF THE ENGINEER.

CONSTRUCTION PLANS FOR THE EXISTING STRUCTURES, MAY BE OBTAINED FROM THE REPRODUCTIONS BRANCH OF THE OKLAHOMA DEPARTMENT OF TRANSPORTATION.

REPRODUCTION BRANCH
OKLAHOMA DEPARTMENT OF TRANSPORTATION
200 NE 21ST STREET
OKLAHOMA CITY, OKLAHOMA 73105

ASK FOR:
PROJ. NO. SAP-65(67) FOR BRIDGE 'A'.

REMOVED MATERIALS:

ALL MATERIALS REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND DISPOSED OF BY HIM IN A MANNER APPROVED BY THE ENGINEER.

DAMAGE TO EXISTING STRUCTURE DURING REPAIR:

ANY DAMAGE DONE TO EXISTING STRUCTURE AS A RESULT OF THE REPAIR OF BRIDGE ITEMS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE, TO THE SATISFACTION OF THE ENGINEER.

CLEANING OF DEBRIS:

THE CONTRACTOR SHALL REMOVE ALL DEBRIS FROM THE DECK SURFACE AND TOPS OF BRIDGE SEATS AND PIERS. ALL COSTS TO CLEAN THE DEBRIS SHALL BE INCLUDED IN OTHER ITEMS OF WORK.

ENVIRONMENTAL MITIGATION NOTES

CLIFF SWALLOWS AND BARN SWALLOWS ARE SMALL COLONIAL NESTING BIRDS PROTECTED BY THE FEDERAL MIGRATORY BIRD TREATY ACT. THESE SPECIES COMMONLY USE BRIDGES AND CULVERTS FOR NESTING. THE NESTING SEASON FOR THE SWALLOWS RUNS FROM APRIL 1 TO AUGUST 31. ANY ACTIVITIES WHICH WOULD DESTROY ACTIVE NESTS OR HARM EGGS OR BIRDS WOULD VIOLATE THE MIGRATORY BIRD TREATY ACT. SWALLOW SURVEY HAS NOT BEEN CONDUCTED FOR ANY OF THE STRUCTURES WITHIN THE PROJECT EXTENT. RESPONSE OF SWALLOWS TO THE PLANNED WORK HAS NOT BEEN ASSESSED. THE RESIDENT ENGINEER WILL EVALUATE THE CONTRACTOR'S PROPOSED WORK METHODS AND CONCLUDE WHETHER THE PROPOSED WORK WOULD POSE DISRUPTION TO ANY NESTING BIRDS BEFORE WORK NEAR THE STRUCTURE IS AUTHORIZED. IF THE PROPOSED WORK WILL HARM ANY NESTING BIRDS, THE BRIDGE MAY BE NETTED PRIOR TO APRIL 1 OR THE WORK DELAYED UNTIL THE NESTING SEASON IS COMPLETE. METHODS OTHER THAN NETTING MUST BE PRE-APPROVED BY THE ODOT BIOLOGIST.

PAY ITEM NOTES

1) FALSEWORK JACKING:

PAY ITEM "(PL) FALSEWORK JACKING" CONSISTS OF SUPPORTING THE BRIDGE DURING THE REPAIR OF PEDESTAL ON BEAMLINE 5 AT PIER NO. 1 IN ACCORDANCE WITH SECTION 502 OF SPECIFICATIONS. SUBMIT A WORK PLAN SIGNED AND SEALED BY AN OKLAHOMA REGISTERED PROFESSIONAL ENGINEER TO THE ENGINEER FOR APPROVAL PRIOR TO JACKING OPERATIONS. ALL COSTS ASSOCIATED WITH JACKING OPERATIONS, INCLUDING ENGINEER SERVICES WILL BE INCLUDED IN LUMP SUM PRICE OF PAY ITEM "(PL) FALSEWORK JACKING". ANY DAMAGE TO THE STRUCTURE AS A RESULT OF JACKING OPERATIONS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE, TO THE SATISFACTION OF THE ENGINEER.

2) CLASS B BRIDGE DECK REPAIR:

THIS ITEM CONSISTS OF BRIDGE DECK AREAS THAT ARE UNSOUND AND TO BE REMOVED TO A DEPTH DESIGNATED BY THE ENGINEER. ALL COSTS OF THE REPAIR INCLUDING MATERIAL, LABOR, EQUIPMENT AND INCIDENTALS NECESSARY TO COMPLETE THE WORK SHALL BE INCLUDED IN THE PRICE BID PER SQUARE YARD OF "CLASS B BRIDGE DECK REPAIR".

3) PREPARATION OF CRACKS, ABOVE WATER AND EPOXY RESIN, ABOVE WATER:

THESE ITEMS ARE FOR INJECTING AND SEALING CRACKS IN THE SUBSTRUCTURE (MAINLY 5 LF AT PIER 1 AND 30 LF AT ABUTMENT 2) AS DIRECTED BY THE ENGINEER. THESE QUANTITIES ARE APPROXIMATE AND PAYMENT WILL BE ACTUAL AREAS REPAIRED, AS APPROVED BY THE ENGINEER. CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH SECTION 520 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. ALL COSTS INCLUDING LABOR, EQUIPMENT, MATERIAL, AND INCIDENTALS NECESSARY TO COMPLETE THE WORK DESCRIBED ABOVE SHALL BE INCLUDED IN THE PRICE BID PER LINEAR FOOT OF "PREPARATION OF CRACKS, ABOVE WATER" AND THE PRICE BID PER GALLON OF "EPOXY RESIN, ABOVE WATER".

4) PNEUMATICALLY PLACED MORTAR:

ITEM "PNEUMATICALLY PLACED MORTAR" SHALL CONSIST OF CONCRETE SURFACE REPAIRS OF THE SUBSTRUCTURE AND BEAM ENDS AS SHOWN IN THE PLANS AND AS DIRECTED BY THE ENGINEER. THE ACTUAL EXTENT OF THE REPAIRS SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER. THE REPAIRS SHALL BE IN ACCORDANCE WITH SECTION 521 OF THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION AND IN A MANNER APPROVED BY THE ENGINEER. THE REMOVAL OF LOOSE CONCRETE SHALL BE DONE USING HAND TOOLS. POWER TOOLS WILL NOT BE ALLOWED UNLESS HAND TOOLS PROVE INCAPABLE OF EXCAVATING ALL DETERIORATED CONCRETE TO SOUND CONCRETE AS APPROVED BY THE ENGINEER. SHOULD POWER TOOLS BE NECESSARY, POWER TOOLS SHALL BE OF SUCH SIZE THAT THEIR USE DOES NOT CAUSE DAMAGE TO THE SOUND CONCRETE. ANY DAMAGE DONE TO THE EXISTING REINFORCING STEEL DURING THE REMOVAL PROCESS SHALL BE REPAIRED AT THE CONTRACTORS EXPENSE TO THE SATISFACTION OF THE ENGINEER. ANY DETERIORATED REINFORCING STEEL WITH A SECTION LOSS GREATER THAN 50%, AS DETERMINED BY THE ENGINEER, SHALL BE REPORTED TO THE BRIDGE ENGINEER FOR REMEDIAL ACTION. PRIOR TO MORTAR APPLICATION, BLAST CLEAN THE CONCRETE SURFACE AND REINFORCING STEEL FREE OF DEBRIS AND CORROSION. APPLY PNEUMATICALLY PLACED MORTAR TO REPLACE DETERIORATED CONCRETE. BUILD UP MORTAR TO MATCH THE ORIGINAL LINES OF THE CURBS AND PIERS. THE CONTRACTOR MAY PROPOSE AND USE AS AN ALTERNATE ONE OF THE FOLLOWING REPAIR METHODS:

- (1) CAST-IN-PLACE CONCRETE
- (2) FORMED AND PUMPED CONCRETE AND MORTAR

THE CONTRACTOR SHALL SUBMIT A PROPOSED WORK PLAN OF THE REPAIR METHOD TO BE USED TO THE ENGINEER FOR HIS APPROVAL. THE WORK PLAN SHOULD INCLUDE SURFACE PREPARATION METHODS, PATCHING MATERIAL, BONDING AGENTS, MATERIAL PLACING METHODS, AND FINISHING METHODS. THE CONTRACTOR SHALL TEST REPAIR AN AREA TO VERIFY THE EFFECTIVENESS OF THE PROPOSED REPAIR METHOD PRIOR TO COMMENCEMENT OF THE WORK. FAULTY REPAIRS SHALL BE REPLACED AT THE CONTRACTORS EXPENSE. ALL COSTS INCLUDING LABOR, MATERIAL, AND INCIDENTALS NECESSARY TO COMPLETE THE WORK DESCRIBED ABOVE SHALL BE INCLUDED IN THE PRICE BID PER SQUARE YARD OF "PNEUMATICALLY PLACED MORTAR" (APPROXIMATELY 5 SQUARE YARDS IS SET ASIDE FOR ABUTMENT NO. 2 WHILE THE REST IS FOR PIERS AND BEAM END REPAIRS).

5) DECK AREA SEALED (FLOODCOATS):

THIS ITEM CONSISTS OF SEALING ENTIRE BRIDGE DECK WITH FLOODCOAT IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

6) CARBON FIBER-REINFORCED POLYMER

THIS ITEM IS FOR APPLYING ONE LAYER OF CARBON FIBER-REINFORCED POLYMER AT LOCATIONS AND EXTENT SHOWN IN THE PLANS AND AS APPROVED BY THE ENGINEER, IN ACCORDANCE WITH SPECIAL PROVISIONS 524-3. THE QUANTITY SHOWN IS APPROXIMATE. THE EXTENT WILL BE FIELD DETERMINED WITH THE APPROVAL OF THE ENGINEER.

7) CORROSION INHIBITOR (SURFACE APPLIED)

THIS ITEM IS FOR APPLYING CORROSION INHIBITOR (SURFACE APPLIED) AT LOCATIONS AND EXTENT SHOWN IN THE PLANS (AS DIRECTED BY THE ENGINEER) IN ACCORDANCE WITH SPECIAL PROVISIONS 535-1. THE QUANTITY SHOWN IS APPROXIMATE.

31699(04) PAY QUANTITIES				
0200 BRIDGE 'A' - NBI 19633				
ITEM		DESCRIPTION	UNIT	QUANTITY
502	6116	(PL) FALSEWORK JACKING	(1) LSUM	1.0
513(B)	6019	CLASS B BRIDGE DECK REPAIR	(2) SY	30.00
520(A)	6058	PREPARATION OF CRACKS, ABOVE WATER	(3) LF	35.00
520(C)	6060	EPOXY RESIN, ABOVE WATER	(3) GAL	1.00
521(A)	6210	PNEUMATICALLY PLACED MORTAR	(4) SY	50.40
523(C)	6570	DECK AREA SEALED (FLOODCOATS)	(5) SY	1912.00
524(A)	6610	(SP) CARBON FIBER-REINFORCED POLYMER	(6) SF	1016.00
535	6130	(SP) CORROSION INHIBITOR (SURFACE APPLIED)	(7) SY	159.30
540	4515	(PL) REPAIR BRIDGE ITEM (TYPE A)	(8) EACH	3.0
540	4525	(PL) REPAIR BRIDGE ITEM (TYPE B)	(9) EACH	1.0

31699(04) PAY QUANTITIES				
0640 CONSTRUCTION				
ITEM		DESCRIPTION	UNIT	QUANTITY
641	1399	MOBILIZATION	LSUM	1.00

8) REPAIR BRIDGE ITEM (TYPE A)

PAY ITEM "REPAIR BRIDGE ITEM (TYPE A)" IS FOR REPLACEMENT OF THE EXISTING EXPANSION JOINTS AT THE PIERS 1, 2 AND 3 AS SHOWN IN THE PLANS.

- THIS ITEM CONSISTS OF:
- A) REMOVING THE EXISTING EXPANSION JOINT ALONG WITH A PORTION OF DECK SLAB ADJACENT TO THE JOINT.
 - B) INSTALLING NEW EXPANSION DEVICE (SEJ) ALONG WITH PLACEMENT OF REINFORCEMENT AND CONCRETE.

CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. ALL COSTS OF THE REPAIR INCLUDING REMOVAL, DISPOSAL, MATERIAL, LABOR, WELDING, PAINT, EQUIPMENT AND INCIDENTALS NECESSARY TO COMPLETE THE WORK AS SHOWN AND NOTED SHALL BE INCLUDED IN THE PRICE BID PER EACH OF "REPAIR BRIDGE ITEM (TYPE A)".

9) REPAIR BRIDGE ITEM (TYPE B)

PAY ITEM "REPAIR BRIDGE ITEM (TYPE B)" IS FOR REPAIR OF PEDESTAL ON BEAMLINE 5 AT PIER NO. 1 AS SHOWN IN THE PLANS.

CONSTRUCTION AND MATERIALS SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION. ALL COSTS OF THE REPAIR INCLUDING REMOVAL, DISPOSAL, MATERIAL, LABOR, EQUIPMENT AND INCIDENTALS NECESSARY TO COMPLETE THE WORK AS SHOWN AND NOTED SHALL BE INCLUDED IN THE PRICE BID PER EACH OF "REPAIR BRIDGE ITEM (TYPE B)".

ROGER MILLS COUNTY GENERAL NOTES AND SUMMARY OF PAY QUANTITIES (BRIDGE)		Design		
		Detail	DAH	5/16
		Check		
		Squad	HARJO	
		Engr.	MOLLA-ESMAIL	
STATE OF OKLAHOMA	DEPARTMENT OF TRANSPORTATION	JOB/PIECE NO.	31699(04)	SHEET NO.
				AB01