PROJECT NO.	YEAR	SHEET NO.
07100-4136-04	2014	2

REVISIONS

NO.	DATE	BY	BRIEF DESCRIPTION

ESTIMATED BRIDGE QUANTITIES

	ITEM NO.	DESCRIPTION	UNIT	QUANTITY
(1)	602-10.12	BEARING DEVICE (REPAIR)	LS	1
(2)	602-10.81	HEAT STRAIGHTENING	LS	1
(3)	603-02.01	REPAINTING EXISTING STEEL STRUCTURES (BRIDGE NO. 07-01280-16.36)	LS	1
(4)	603-05.20	CONTAINMENT & DISPOSAL OF WASTE (BRIDGE NO. 07-01280-16.36)	LS	1

FOOTNOTES:

① INCLUDES ALL LABOR AND EQUIPMENT NECESSARY TO PERFORM BEARING MODIFICATIONS AS SHOWN IN THE PLANS. ITEM SHALL ALSO INCLUDE THE COST OF ALL LABOR AND MATERIALS NECESSARY FOR THE SURFACE PREPARATION AND PAINTING OF MODIFIED AREAS OF BEARINGS AND ALL CONTAINMENT AND DISPOSAL OF WASTE GENERATED DURING CLEANING AND PAINTING OF BEARINGS. COST OF THIS REPAIR WILL BE PAID FOR USING STATE FUNDS AND WILL NOT BE THE RESPONSIBILITY OF THE INSURANCE COMPANY.

② INCLUDES ALL LABOR, EQUIPMENT, AND TEMPORARY SUPPORT NECESSARY FOR THE HEAT STRAIGHTENING AND GOUGE GRINDING OF DAMAGED MEMBERS AS SHOWN IN THE PLANS

③ INCLUDES ALL LABOR AND MATERIALS NECESSARY FOR THE SURFACE PREPARATION AND PAINTING OF THE EXISTING STRUCTURAL STEEL AS SHOWN ON DRAWING BR-116-17 FOR AN APPROXIMATE WEIGHT OF 3,750 LBS. SEE SURFACE PREPARATION AND PAINTING NOTES ON THIS SHEET.

④ INCLUDES ALL CONTAINMENT AND DISPOSAL OF ALL WASTE GENERATED DURING CLEANING AND PAINTING OF STRUCTURAL STEEL, EXCLUDING BEARINGS.

GENERAL NOTES:

SPECIFICATIONS:

STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, TENNESSEE DEPARTMENT OF TRANSPORTATION, (MARCH 1, 2006 EDITION)

LOADING:

HS20-44 LIVE LOADING, SEISMIC ZONE A ACCELERATION COEFFICIENT Z=0.09

DESIGN SPECIFICATIONS:

AASHTO STANDARD SPECIFICATIONS, 17TH EDITION WITH ADDENDA

SHOP DRAWINGS:

SEE SECTION 105.2 OF THE STANDARD SPECIFICATIONS. A COPY SHALL ALSO BE SUBMITTED TO THE DIVISION OF STRUCTURES, BRIDGE INSPECTION AND REPAIR OFFICE.

STRUCTURAL STEEL:

SEE NOTES ON DRAWING NO. BR-116-17.

WELDING:

SEE SECTION 602 OF THE STANDARD SPECIFICATIONS AND NOTES ON DRAWING NO. BR-116-17.

REQUIREMENTS AND RESTRICTIONS FOR PHASE CONSTRUCTION:

ONE 16 FOOT TRAFFIC LANE SHALL BE MAINTAINED AT ALL TIMES ON ROUTE 1280 AND ON INTERSTATE 75.

SPECIAL NOTE FOR UTILITIES:

CARE SHALL BE TAKEN WHILE REMOVING AND REPAIRING BRIDGE COMPONENTS SO AS NOT TO DISTURB OR DAMAGE ANY UTILITIES.

APPROVAL OF MATERIALS:

NO FABRICATION SHALL BE STARTED UNTIL ALL THE MATERIALS INVOLVED HAVE BEEN APPROVED BY THE TENNESSEE DEPARTMENT OF TRANSPORTATION, DIVISION OF MATERIALS AND TESTS WITH A COPY OF THE TEST REPORTS ALSO GOING TO THE TENNESSEE DEPARTMENT OF TRANSPORTATION, DIVISION OF STRUCTURES, BRIDGE INSPECTION AND REPAIR OFFICE.

WELDING:

ANSI/AASHTO/AWS D1.5-2008 BRIDGE WELDING CODE AND SECTION 602 OF THE STANDARD SPECIFICATIONS.

SURFACE PREPARATION AND PAINTING NOTES:

ALL STRUCTURAL STEEL IDENTIFIED IN THE GENERAL SCOPE OF WORK SHALL BE CLEANED AND PAINTED.

A HAND OR POWER TOOL CLEANING, IN ACCORDANCE WITH SUB SECTION 603.05(a), SHALL BE APPLIED TO AREAS OF GIRDERS BEING HEAT STRAIGHTENED AND MODIFIED BEARING AREAS. THE ENGINEER SHALL DESIGNATE ALL AREAS THAT ARE TO RECEIVE THE HAND OR POWER TOOL CLEANING. CLEANING SHALL BE DONE TO THE COMPLETE SATISFACTION OF THE ENGINEER.

ALL CHALK, LOOSE COATINGS AND OTHER CONTAMINANTS SHALL BE REMOVED WITH A HIGH PRESSURE WATER WASH IN ACCORDANCE WITH SUB SECTION 603.05(c).

ALL AREAS OF EXPOSED STEEL SHALL BE SPOT PRIMED IMMEDIATELY AFTER CLEANING.

PAINTING SYSTEM:

PAINT SHALL BE SYSTEM B IN ACCORDANCE WITH SUB-SECTION 603.06. COLOR OF THE FINISH COAT SHALL COMPLY WITH FEDERAL STANDARD NO 595b, COLOR NO. 34090 (GREEN).

ALL PRODUCTS USED IN THIS COATING SYSTEM, INCLUDING THINNERS, MUST BE SUPPLIED BY THE SAME MANUFACTURER.

CONTAINMENT AND DISPOSAL:

ACCORDING TO OUR RECORDS THE EXISTING PAINT SYSTEM CONTAINS LEAD AND/OR CHROMATE. THE CONTRACTOR SHALL CONTAIN AND DISPOSE OF ALL PAINT REMOVAL WASTE IN ACCORDANCE WITH SECTION 603.13.

SEASONAL LIMITATIONS NOTE:

THE SWALLOW NESTS CANNOT BE DISTURBED WHILE EGGS OR YOUNG ARE PRESENT IN THE NEST. THE APPROXIMATE DATE FOR NESTING ACTIVITIES BEGINNING IS MAY 1 AND THE FLEDGLING FOR THE CLIFF SWALLOW IS JULY, 15. NOTE THAT THESE ARE APPROXIMATE DATES AND NESTING COULD OCCUR EARLIER AND LAST UNTIL LATER. THE DATES ARE FOR GUIDANCE ONLY AND THE EMPHASIS IS ON THE PRESENCE OR ABSENCE OF EGGS OR YOUNG, NOT THE DATES. THE CONTRACTOR CANNOT DISTURB THE SWALLOWS OR NESTS AS LONG AS EGGS AND/OR YOUNG ARE PRESENT. THE USFWS HAS GIVEN THE DATE OF JULY 15 AS THE TYPICAL TIME WHEN YOUNG SHOULD BE LEAVING THE NEST. HOWEVER, THIS DATE COULD BE UP TO A MONTH OR MORE LATER DEPENDING ON WHEN THE SWALLOWS ACTUALLY LAY THEIR EGGS. IF THE BIRDS ARE PRESENT AND EGGS OR YOUNG ARE IN THE NEST, THEY ARE NOT TO BE DISTURBED UNTIL THE YOUNG LEAVE THE NESTS. IF WORK BEGINS PRIOR TO THE BIRDS NESTING, THE CONTRACTOR CAN REMOVE THE NESTS AND TAKE MEASURES TO PREVENT THE SWALLOWS FROM BUILDINGS NESTS AND WORK THROUGHOUT THE NESTING SEASON. THIS COULD BE INSTALLATION OF NETTING, TARPS OR JUST HAVING SOMEBODY AVAILABLE TO REMOVE THE NESTS BEFORE THE BIRDS CAN LAY EGGS IN THEM.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES AND
ESTIMATED BRIDGE QUANTITIES
ROUTE 1280 OVER
INTERSTATE 75
BRIDGE NO. 07-01280-16.36
CAMPBELL COUNTY
2014

DESIGNED BY M. JONES DATE 10/13
DRAWN BY M. JONES DATE 10/13
SUPERVISED BY L. BILBREY DATE 10/13
CHECKED BY J. ECKEL DATE 10/13

2/6/2014
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