

ADDENDUM No. 5

**Walnut Street Bridge Repair and Rehabilitation
TDOT PIN: 128099.00
Federal Project Number: STP-M-9202(134)
State Project Number: 33LPLM-F3-229
Chattanooga Department of Public Works**

This Addendum #5, is being issued to provide:

1. Guidance on submitting bid: Do not unbound the contract book and follow the directions given in the contract book. Contract book forms that are required to be filled out and have been revised by addendum, plus any additional form pages that may be required are to be included in the bid envelope unbound.
2. Revised Special Provision SP-7 (Schedule)
3. Timber treatment and sealing is not required.
 - a. Applies to Items 601-10.10, 601-10.11, 920-16.04, and 920-17.04
 - b. Plans are revised to remove Item 920-10.05 Bridge Deck and Sidewalk Power Washing and Sealing along with notes pertaining to this item. A new bid form is attached to that removes Item 920-10.05.
 - c. The word "Treated" in the pay-item descriptions is to be ignored for the purposes of this contract.
4. Revised plan sheets 2, 4, and 4A.
5. Revised Bid Item Form
6. Added TDOT DBE goal form
7. Answers to additional questions
8. Revised answer to a question in the Remainder of Questions and Answers listed in Addendum #4. See Question and Revised Answer below.

Question	Answer
What type of treatment is required on the bridge timber items?	No treatment is required.

9. Added note 19 on plan sheet 4 regarding removal and offsite delivery of existing shepard hook light fixtures.

Should you require additional clarification or need additional information please contact City of Chattanooga Purchasing (423. 643.7230), or by emailing bidinfo@chattanooga.gov. Please include the title 'Walnut Street Bridge Repair and Rehabilitation' with your request for information.

Bidder Must Acknowledge Receipt of this Addendum on Bid Form

July 31, 2024

/s/ William C. Payne, P.E., City Engineer

July 31, 2024

SPECIAL PROVISION 7

REGARDING SCHEDULE

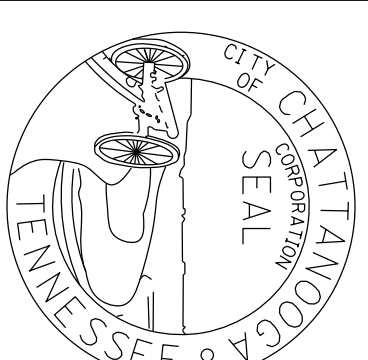
General

A. Schedule

The project schedule is as follows.

<i>Task</i>	<i>Date</i>
City advertises project	Sunday, May 26, 2024
Pre-bid meeting	Friday, June 14, 2024
Deadline for questions	Friday, July 12, 2024
Last addendum issued	Friday, July 19, 2024
Bid Opening	Thursday, August 8, 2024
Bid review & analysis	Thursday, August 15, 2024
TDOT concurs with the intent to award, City Council awards contract	Thursday, September 12, 2024
City executes contract	Friday, October 25, 2024
Limited Notice to proceed / Pre-Construction Meeting /Meeting with the Public about Bridge Closure	Friday, November 1, 2024
Contractor provide shop drawing/ long lead times for needed materials (4 months 6 days Time Buffer)	Friday, November 1, 2024 Thru March 17, 2025
Begin Construction (First day bridge can be closed)	Monday, March 17, 2025
Construction completion *	Monday, September 14, 2026
Final Records	Monday, November 9, 2026

* Construction window is 18 months. Bridge closure is 14 months maximum.

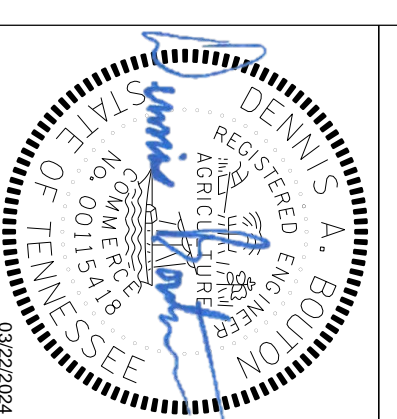


CITY OF CHATTANOOGA
 DIVISION OF TRANSPORTATION
CONTRACT #E-13-002-103
 WALNUT STREET PEDESTRIAN BRIDGE
 BRIDGE REPAIRS - PHASES 2, 3, & 4
 WILLIAM C. PAYNE, P.E., CITY ENGINEER

ESTIMATED QUANTITIES

NO.	REVISION	DATE	SIG.
3	REV. - ITEMS	1/1/16	JOA
2	REV. - ITEMS	1/19/16	JOA
1	REV. - ITEMS	1/20/16	JOA

SCALE: NO SCALE
 DRAWN: N. RUSSELL
 DESIGN: A. CAULE
 CHECKED: J. ECKEL



APPROVED
 JOB NO. 457003.17
 DATE 03/22/2024
 SHEET 2
 FILE NO.

ESTIMATED QUANTITIES (CONTINUED)

ITEM NO.	DESCRIPTION	UNIT	CONTRACT QUANTITY	AS-BUILT QUANTITY
725-03.80	CCTV CAMERA SYSTEM	EACH	11	
725-05.02	FIBER OPTIC CABLE (60 STRAND SINGLE MODE)	L.F.	2,300	
725-20.75	COMMUNICATION CONNECTION (ELECTRIC POWER BOARD - EPB - FIBER TO CAMERA(S))	LS	1	
725-23.29	FIBER OPTIC TERMINATION CABINET	EACH	4	
(E1) 740-10.03	GEOTEXTILE (TYPE III) (EROSION CONTROL)	S.Y.	425	
(E2) 740-11.03	TEMPORARY SEDIMENT TUBE (8IN)	L.F.	1,850	
(E3) 801-01.07	TEMPORARY SEEDING (WITH MULCH)	UNIT	205	
(E4) 801-01.65	TEMPORARY MULCH	UNIT	50	
(E5) 801-03	WATER (SEEDING & SODDING)	M.G.	65	
(E6) 803-01	SODDING (NEW SOD)	S.Y.	6,000	
(E7) 920-10.04	STRUCTURAL STEEL REPAIR (BEARING PLATE WELD REPAIR)	EACH	18	
(E8) 920-10.05	BRIDGE DECK AND SIDEWALK POWER WASHING AND SEALING	LS	1	
(E9) 920-11.04	STRUCTURAL STEEL REPAIR (SPACER PLATE WELD REPAIR)	EACH	2	
(E10) 920-11.05	BIRD NETTING SYSTEM	LS	1	
(E11) 920-12.05	REMOVE AND RESET NAME PLATES	EACH	2	
(E12) 920-13.04	STRUCTURAL STEEL REPAIR (TRUSS VERTICAL WELD REPAIR)	EACH	1	
(E13) 920-13.05	REMOVE & REPLACE BENCHES, TRASH CANS, & PLANTERS	LS	1	
(E14) 920-14.04	STRUCTURAL STEEL REPAIR (PAD WELDING)	EACH	7	
(E15) 920-14.05	RELOCATION OF EXISTING UTILITIES	LS	1	
(E16) 920-15.04	STRUCTURAL STEEL REPAIR (STRINGER SUPPORT PLATE)	EACH	2	
(E17) 920-16.04	TREATED TIMBER (RISER BLOCKS)	EACH	195	
(E18) 920-16.05	UTILITY LINE CLEANING AND PAINTING	LS	1	
(E19) 920-17.04	TREATED TIMBER (SIDEWALK STRINGERS)	EACH	278	
(E20) 920-17.05	PERMITS - CITY OF CHATTANOOGA	LS	1	
(E21) 920-18.05	PVC WATER LINE REPLACEMENT	LS	1	
(E22) 920-19.04	UTILITY CONDUIT AND HARDWARE	EACH	3	
(E23) 920-19.05	REMOVE & REPLACE PET WASTE DISPENSERS	LS	1	
(E24) 920-20.04	REMOVAL AND DISPOSAL OF ELECTRICAL SYSTEM (MISCELLANEOUS)	EACH	2	
(E25) 920-20.05	REMOVAL AND DISPOSAL OF ELECTRICAL SYSTEM	LS	1	
(E26) 920-20.12	REMOVE, CLEAN, AND RESET EXISTING DECK JOINTS	EACH	17	
(E27) 920-20.13	HISTORICAL SIGN CLEANING AND PAINTING	LS	1	
(E28) 920-20.20	STRUCTURAL STEEL REPAIR (STRINGER SECTION REPLACEMENT)	EACH	2	
(E29) 920-20.21	REMOVE & REPLACE EDUCATIONAL SIGNS	LS	1	
(E30) 920-20.28	DECK DRAIN SCUPPERS	EACH	16	
(E31) 920-20.29	IRRIGATION SYSTEM (REPAIR)	LS	1	
(E32) 920-20.37	ADDITIONAL FASTENERS	LS	1	
(E33) 920-20.40	STRAND REPLACEMENT	L.F.	4,000	
(E34) 920-20.44	STRAND ADJUSTMENT	EACH	33	
(E35) 920-20.45	WORK PLAN AND ANALYSIS	LS	1	
(E36) 920-20.53	MONITORING SYSTEMS	LS	1	

QUANTITIES NOTES

- ANY DAMAGE THAT OCCURS TO THE EXISTING STRUCTURE DURING THE DURATION OF THE PROJECT SHALL BE REPAIRED TO THE SATISFACTION OF THE OWNER AT NO ADDITIONAL COST.
- PRIOR TO CONSTRUCTION, ALL DIMENSIONS OF THE EXISTING STRUCTURE THAT WILL AFFECT THE WORK ITEMS DESCRIBED HEREIN SHALL BE FIELD VERIFIED BY THE CONTRACTOR. THE CONTRACTOR SHALL SUBMIT VERIFICATION OF THE EXISTING BRIDGE ELEMENTS TO THE OWNER FOR APPROVAL. AS PART OF THE SUBMITTAL, THE CONTRACTOR SHALL PROVIDE A SIGNED STATEMENT CITING THAT THE FIELD VERIFICATION WAS PERFORMED. THE SUBMITTAL SHALL ALSO INCLUDE A DETAILED SUMMARY OF ANY MODIFICATIONS REQUIRED. IF NO MODIFICATIONS ARE REQUIRED, THIS SHALL BE IDENTIFIED IN THE SIGNED STATEMENT FROM THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADJUSTING THE ELEMENTS OF THE NEW CONSTRUCTION TO ENSURE PROPER FIT WITH THE EXISTING STRUCTURE.

EPSC FOOTNOTES

- (E1) 725 CY FOR TEMPORARY CONSTRUCTION EXITS. 50 CY FOR RE-GRADING TO EXPOSE STEEL THAT HAS BEEN COVERED WITH VEGETATION AND DIRT TO ACHIEVE POSITIVE DRAINAGE AWAY FROM THE FOUNDATION.
- (E2) THREE INCHES OF TOPSOIL IS REQUIRED BENEATH REPLACEMENT OF PERMANENT SOD.
- (E3) SEE SUBSECTION 209.07 OF THE TDOT STANDARD SPECIFICATIONS FOR MAINTENANCE REPLACEMENT. ALL QUANTITIES ARE TO BE USED AS DIRECTED BY THE ENGINEER.
- (E4) INCLUDES 6 UNITS TO BE USED DURING MOON RIVER FESTIVAL AS DESCRIBED IN NOTE 4 ON SHEET 4. INCLUDES 44 UNITS TO BE USED IN THE DISTURBED AREA WITHIN COOLIDGE PARK AS NEEDED TO PREVENT MUDDY CONDITIONS. EACH UNIT IS DESCRIBED AS 1,000 SQUARE FEET AT EIGHT (8) INCHES DEPTH.
- (E5) INCLUDES 20 THOUSAND GALLONS FOR EROSION PREVENTION AND SEDIMENT CONTROL.
- (E6) INCLUDES 45 THOUSAND GALLONS FOR PLACEMENT OF PERMANENT SOD.
- (E7) INCLUDES 5,915 S.Y. IN COOLIDGE PARK. INCLUDES 88 S.Y. AT THE SOUTHEAST CORNER OF THE BRIDGE ADJACENT TO THE EXISTING ABUTMENT CONCRETE SLOPE PAVING. CONTRACTOR IS TO CONSULT WITH THE CITY OF CHATTANOOGA AS TO THE TYPE AND VARIETY REQUIRED.
- (E8) THIS BID ITEM COVERS THE REPAIR OF EXISTING IRRIGATION BENEATH THE WALNUT STREET BRIDGE WITHIN COOLIDGE PARK PRIOR TO THE PLACEMENT OF NEW SOD. THIS BID ITEM ALSO COVERS REPAIR OR REPLACEMENT OF IRRIGATION AT THE SOUTHEAST CORNER OF THE WALNUT STREET BRIDGE WITHIN THE HATCHED AREA SEEN ON SHEET 22F. AS WELL AS CONNECTION TO EXISTING RAINBIRD. INCLUDES ALL LABOR AND MATERIALS REQUIRED FOR THIS WORK.

ESTIMATED QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	CONTRACT QUANTITY	AS-BUILT QUANTITY
(1) 201-07.01	REMOVAL AND DISPOSAL OF BRUSH & TREES	LS	1	
(E1) 203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	175	
(E2) 203-07	FURNISHING & SPREADING TOPSOIL	CY	375	
(E3) 209-05	SEDIMENT REMOVAL	C.Y.	30	
(2) 303-10.01	MINERAL AGGREGATE (SIZE 57)	TON	22	
(3) 601-10.10	TREATED TIMBER (SIDEWALK PLANKS AND CURBS)	MBFM	147	
(4) 601-10.11	TREATED TIMBER (SIDEWALK PLANKS AND CURBS)	MBFM	166	
(5) 602-02.10	STRUCTURAL STEEL (NORTH VIADUCT - FLOOR BEAM MODIFICATIONS)	LS	1	
(6) 602-10.20	BOLTS	EACH	200	
(7) 602-10.51	STRUCTURAL STEEL REPAIR (DECK CLIPS)	EACH	7,110	
(8) 602-10.52	STRUCTURAL STEEL REPAIR (WOOD STRINGER KEEPER ANGLES)	EACH	1,180	
(9) 602-10.53	STRUCTURAL STEEL REPAIR (STRINGER PACK RUST REMOVAL)	EACH	19	
(10) 602-10.54	STRUCTURAL STEEL REPAIR (BEARING GUSSET PACK RUST REMOVAL)	EACH	3	
(11) 602-10.55	STRUCTURAL STEEL REPAIR (EYEBAR PACK RUST REMOVAL)	EACH	218	
(12) 602-10.57	STRUCTURAL STEEL REPAIR (NUT REPLACEMENT)	EACH	1	
(13) 602-10.58	STRUCTURAL STEEL REPAIR (KNEE BRACE REPLACEMENT)	EACH	50	
(14) 602-10.59	STRUCTURAL STEEL REPAIR (DIAPHRAGM REPLACEMENT)	EACH	2	
(15) 602-10.70	STRUCTURAL STEEL GRACK REPAIR	EACH	2	
(16) 603-02.01	REPAINTING EXISTING STEEL STRUCTURES (WALNUT ST BRIDGE)	LS	1	
(17) 603-02.15	REPAIR EXISTING BEARINGS	LS	1	
(18) 603-05.20	CONTAINMENT & DISPOSAL OF WASTE (WALNUT ST BRIDGE)	LS	1	
(19) 604-01.01	CLASS A CONCRETE (ROADWAY)	C.Y.	9	
(20) 604-01.02	STEEL BAR REINFORCEMENT (ROADWAY)	LB.	926	
(21) 604-04.01	APPLIED TEXTURE FINISH (NEW STRUCTURES)	S.Y.	1	
(22) 604-10.89	MISCELLANEOUS BRIDGE ITEMS (DISPOSE EXISTING DECK BOARDS)	LS	1	
(E23) 707-08.10	TEMPORARY CONSTRUCTION FENCE	L.F.	2,500	
(E1) 709-05.05	MACHINED RIP-RAP (CLASS A-3)	TON	220	
(E24) 712-01	TRAFFIC CONTROL	LS	1	
(E25) 712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	10	
(E26) 712-06	SIGNS (CONSTRUCTION)	S.F.	737	
(E27) 712-07.01	TEMPORARY BARRICADES (TYPE I)	L.F.	39	
(E28) 712-07.03	TEMPORARY BARRICADES (TYPE III)	L.F.	96	
(E29) 714-01.37	LIGHT STANDARDS (PEDESTRIAN/STREET LIGHT)	EACH	16	
(E30) 714-01.64	ELECTRICAL SYSTEM	LS	1	
(E31) 714-03.03	DIRECT BURIAL CONDUIT (SCHED. 40 PVC, UTILITY TRANSFORMER SECONDARY)	L.F.	135	
(E32) 714-03.04	DIRECT BURIAL CONDUIT (SCHED. 40 PVC, UNDERGROUND BRANCH CIRCUIT CONDUITS)	L.F.	100	
(E33) 714-04.03	CONDUIT (3/4" CONDUIT)	L.F.	8,000	
(E34) 714-04.04	CONDUIT (1-1/4" CONDUIT)	L.F.	4,500	
(E35) 714-04.05	CONDUIT (1-1/2" CONDUIT)	L.F.	13,750	
(E36) 714-04.06	CONDUIT (2" CONDUIT)	L.F.	15,000	
(E37) 714-04.07	CONDUIT (2-1/2" CONDUIT)	L.F.	3,000	
(E38) 714-04.08	CONDUIT (3" CONDUIT)	L.F.	4,000	
(E39) 714-05.05	PULL BOXES (BRANCH CIRCUIT PULL BOXES)	EACH	40	
(E40) 714-05.06	PULL BOXES (BRANCH CIRCUIT JUNCTION BOXES)	EACH	150	
(E41) 714-05.07	PULL BOXES (COMMUNICATIONS PULL BOXES)	EACH	20	
(E42) 714-06.03	CABLE (1/1C #10 AWG)	L.F.	38,000	
(E43) 714-06.04	CABLE (1/1C #8 AWG)	L.F.	105,000	
(E44) 714-06.06	CABLE (1/1C #4 AWG)	L.F.	126,000	
(E45) 714-06.07	CABLE (1/1C #2 AWG)	L.F.	28,000	
(E46) 714-06.08	CABLE (1/1C #10 AWG)	L.F.	20,000	
(E47) 714-09.09	LUMINAIRES (BRIDGE MOUNTED, TYPES VARY)	EACH	482	
(E48) 714-12.01	CONTROL CENTER (NO. 1)	LS	1	
(E49) 714-12.02	CONTROL CENTER (NO. 2)	LS	1	
(E50) 714-16.01	NAVIGATIONAL LIGHTING	LS	1	
(E51) 714-25.02	ELECTRICAL CONNECTION (ELECTRIC POWER BOARD - EPB - ELECTRIC SERVICE #1)	LS	1	
(E52) 714-25.03	ELECTRICAL CONNECTION (ELECTRIC POWER BOARD - EPB - ELECTRIC SERVICE #2)	LS	1	
(E53) 714-40	LOCATING UTILITIES	LS	1	
(E54) 717-01	MOBILIZATION	LS	1	
(E55) 722-01.01	FIELD OFFICE (TYPE 1)	LS	1	
(E56) 725-02.16	CONDUIT (STRUCTURES - CCTV CAMERAS)	L.F.	10,000	

SEE SHEET 2A for ITEM NUMBER FOOTNOTES, SEE SHEET E-0.3 for LIGHTING FOOTNOTES

BRIDGE GENERAL NOTES

THIRD-PARTY INSPECTION

IT SHOULD BE NOTED THAT NEAR COMPLETION OF THE WORK ITEMS OUTLINED IN THESE PLANS, THE OWNER SHALL CONTRACT WITH A THIRD PARTY OF THEIR CHOOSING TO PERFORM AN IN-DEPTH INSPECTION OF THE BRIDGE THAT WILL SERVE AS AN UPDATE TO THE MOST RECENT BRIDGE INSPECTION REPORT. ANY ELEMENTS DETERMINED TO REQUIRE FURTHER REPAIR MAY BE REQUESTED BY THE OWNER AS ADDITIONAL ITEMS OF WORK.

WEIGHT RESTRICTIONS, SHORING, & STOCKPILING MATERIALS

THE CONTRACTOR IS SOLELY RESPONSIBLE FOR THE STABILITY OF THE STRUCTURE DURING CONSTRUCTION AND SHALL PROVIDE ADEQUATE BRACING AND SHORING AS REQUIRED TO PERFORM VARIOUS ITEMS OF WORK WHERE STABILITY IS A CONCERN. ALL TEMPORARY BRACING AND SHORING SHALL COMPLY WITH THE REQUIREMENTS SET FORTH BELOW. THIS SHALL BE CONSIDERED AS AN INCIDENTAL ITEM.

THE CONTRACTOR SHALL PROVIDE ADEQUATE BRACING AND SHORING AS REQUIRED TO PERFORM VARIOUS ITEMS OF WORK WHERE STABILITY IS A CONCERN AND WHERE DISASSEMBLY OF THE COMPONENT OR STRUCTURAL SYSTEM IS REQUIRED. THE CONTRACTOR SHALL EMPLOY THE SERVICE OF A TENNESSEE REGISTERED PROFESSIONAL ENGINEER WHO IS KNOWLEDGEABLE IN THE FIELD OF BRIDGE DESIGN. A COMPLETE SET OF BRACING AND SHORING PLANS ALONG WITH DESIGN CALCULATIONS SHALL BE SUBMITTED TO THE PROJECT ENGINEER FOR REVIEW AND APPROVAL PRIOR TO THE START OF WORK. THE PLANS AND DESIGN CALCULATIONS SHALL BEAR THE DESIGN ENGINEER'S SEAL. STOCKPILING OF REMOVAL ITEMS ON THE BRIDGE IS PROHIBITED AND THE EQUIPMENT USED FOR TRANSPORTING THESE ITEMS OFF OF THE BRIDGE SHALL BE LIMITED TO RUBBER TRACKED, RUBBER Tired COMPACT EQUIPMENT. REMOVAL ITEMS SHALL INCLUDE, BUT ARE NOT LIMITED TO DEBRIS, OLD STEEL, TIMBER ELEMENTS, TRASH CANS, AND PARK BENCHES. SPECIFICATIONS FOR THE COMPACT EQUIPMENT SELECTED BY THE CONTRACTOR SHALL BE SUBMITTED TO THE OWNER. THESE SPECIFICATIONS SHALL INCLUDE THE OPERATING WEIGHT, AXLE WEIGHTS, AND SPACINGS.

SPECIFICATIONS & LOADING

- (1) **SPECIFICATIONS:** STANDARD ROAD AND BRIDGE SPECIFICATIONS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION (JANUARY 1, 2021 EDITION), AND THE 4TH EDITION (2017) AASHTO LRFD BRIDGE CONSTRUCTION SPECIFICATIONS WITH INTERIMS.
- (2) **DESIGN SPECIFICATIONS:** AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 17TH EDITION, 2002 WITH ADDENDA.
- (3) **LOADING:** AASHTO SECTION 3.14.1 PEDESTRIAN LOADING FOR EVERYDAY USE: 90 PSF PEDESTRIAN LOADING WITH ROADWAY WIDTH RESTRICTED TO NINE (9) FEET ON THE TRUSS SPANS FOR FESTIVAL USE.

MISCELLANEOUS GENERAL NOTES

- (4) **SPECIAL EVENTS REQUIRING THE BRIDGE TO BE OPEN:** IT SHOULD BE NOTED THAT SPECIFIC EVENTS DURING THE LIFE OF THE CONTRACT SHALL REQUIRE THAT THE BRIDGE BE OPEN TO PEDESTRIAN ACCESS FROM CURB TO CURB IN A CONDITION THAT IS CONSIDERED BY THE OWNER TO BE FULLY OPERATIONAL. WHILE THE BRIDGE IS OPEN TO PEDESTRIANS, THE CONTRACTOR SHALL PROVIDE A LIGHTING SCHEME THAT ENSURES SAFE ACCESS FOR THE DURATION OF EACH EVENT. SIDEWALKS MAY REMAIN CLOSED DURING EVENTS GIVEN THAT THE CONTRACTOR PROVIDE AND MAINTAIN CONSTRUCTION FENCING TO PROTECT AND RESTRICT PEDESTRIANS FROM ENTERING WORK AREAS. THE CONTRACTOR SHALL SUBMIT THE PROPOSED LIGHTING SCHEME AND CONSTRUCTION FENCING FOR APPROVAL BY THE OWNER A MINIMUM OF **14 CALENDAR DAYS BEFORE EACH EVENT**. ACCESS SHALL BE FREE OF TRIPPING HAZARDS AND AVAILABLE FOR RUNNERS, ACCESS TO OUTDOOR CHATTANOOGA, LOCATED IN THE NORTHEAST CORNER OF COOLIDGE PARK, SHALL BE AVAILABLE AT ALL TIMES, AND THE CONTRACTOR SHOULD TAKE CARE SO AS NOT TO BLOCK ENTRANCES AND EXITS IN THE CASE OF AN EMERGENCY.
- (5) IT SHOULD BE NOTED THAT THE DATES IDENTIFIED IN THE CONSTRUCTION PLANS AND BID DOCUMENTS ARE CONSIDERED TENTATIVE AND MAY BE SUBJECT TO CHANGE. THE CONTRACTOR SHALL HAVE THE BRIDGE OPEN TO PEDESTRIAN ACCESS AND RIVER ACCESS AND IN A CONDITION CONSIDERED BY THE OWNER TO BE FULLY OPERATIONAL, INCLUDING PROVIDING RAILINGS AND ALL SAFETY MEASURES REQUIRED FOR THE EVENTS BY **7:00 AM ON THE THURSDAY PRIOR TO EACH EVENT**. AT THIS TIME THE OWNER SHALL CONDUCT AN INSPECTION OF THE BRIDGE, AND ADJUSTMENTS SHALL BE MADE BY THE CONTRACTOR AT THE

OWNER'S DISCRETION UNTIL A FINAL APPROVAL IS REACHED. THE CONTRACTOR MAY COMMENCE WORK AGAIN **AT 9:00 AM THE MONDAY FOLLOWING EACH EVENT** UPON APPROVAL BY THE OWNER. BELOW ARE THE EVENTS THAT WILL OCCUR IN 2024 AND 2025 FOR WHICH THE WALNUT STREET BRIDGE SHALL BE OPEN TO PEDESTRIAN ACCESS. ANY EVENT SPECIFIC REQUIREMENTS ARE ALSO LISTED BELOW.

1. CHATTANOOGA MARATHON - MARCH
2. EASTER - APRIL
 1. THE BRIDGE IS NOT REQUIRED TO BE OPEN
 2. BOTH RIVER STREET AND ALL SIDEWALKS WITHIN COOLIDGE PARK SHALL REMAIN OPEN FOR THIS EVENT
 3. THE CONTRACTOR SHALL INSTALL AN 8 INCH THICK LAYER OF WOOD MULCH WITHIN THE TWO OPENINGS SHOWN ON FIGURE ONE ON THIS SHEET.
3. IRONMAN 70.3 - MAY
4. RIVERBEND & RIVERBEND RUN - MAY/JUNE
5. CHATTANOOGA WATERFRONT TRIATHLON - JUNE
6. MOON RIVER FESTIVAL - SEPTEMBER
 1. ITEMS II AND III FOR EASTER SHALL ALSO APPLY FOR THE MOON RIVER FESTIVAL
7. IRONMAN - SEPTEMBER
8. 7 BRIDGES MARATHON - OCTOBER
9. HEAD OF THE HOCH - NOVEMBER

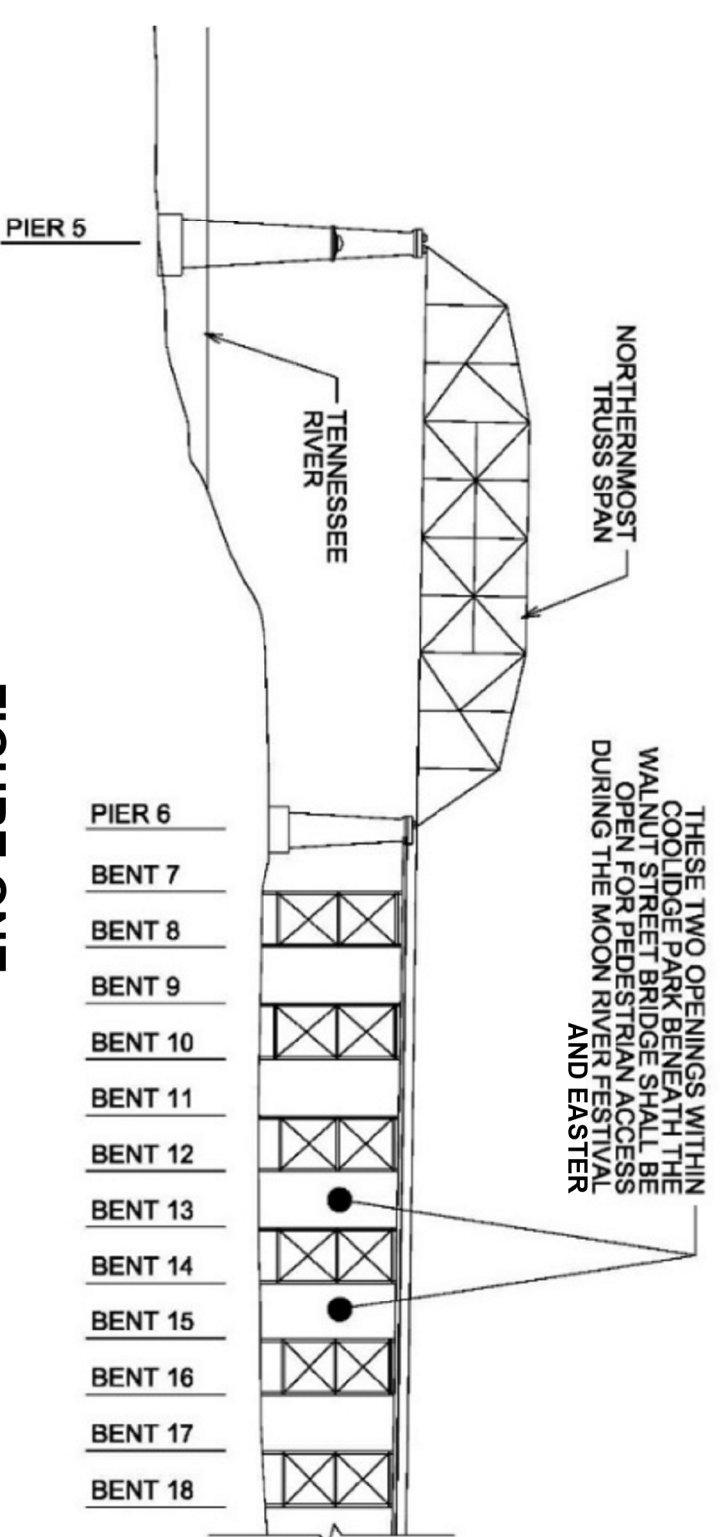


FIGURE ONE

- (6) **SHOP DRAWINGS:** REFER TO SECTION 105.02 OF THE STANDARD SPECIFICATIONS. IF USING PAPER COPIES, SHOP DRAWINGS ARE TO BE SENT TO THE CITY OF CHATTANOOGA PROJECT MANAGER. FOR ELECTRONIC SUBMITTALS, SEE SECTION 105.02 OF THE STANDARD SPECIFICATIONS. EACH SHOP DRAWING SHALL CONTAIN IN THE TITLE BLOCK THE FOLLOWING: THE CITY PROJECT NUMBER, COUNTY, BRIDGE NAME, AND BRIDGE NUMBER (OR STRUCTURE TYPE AND NUMBER), SHOP DRAWINGS WITH TITLE BLOCKS NOT INCLUDING THE FOREGOING IDENTIFICATION WILL BE RETURNED FOR CORRECTION BEFORE ANY REVIEWS FOR APPROVAL ARE CONDUCTED.
- (7) **UTILITY PROTECTION PLAN:** THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND PROTECTING ALL EXISTING UTILITIES, AND PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL SUBMIT A UTILITY PROTECTION PLAN FOR APPROVAL BY THE OWNER DESCRIBING THE MEANS AND METHODS BY WHICH ALL EXISTING UTILITIES SHALL BE PROTECTED FROM CONSTRUCTION OPERATIONS FOR THE DURATION OF THE CONTRACT. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR TEMPORARILY SUPPORTING ALL EXISTING UTILITIES WHILE TIMBER ELEMENTS ARE BEING REPLACED. THIS SHALL BE CONSIDERED AN INCIDENTAL ITEM. AS PART OF THE UTILITY PROTECTION PLAN, THE CONTRACTOR SHALL MEET ALL REQUIREMENTS OUTLINED IN NOTE 88 ON SHEET 4C REGARDING THE EXISTING WATER LINE.
- (8) **REMOVE OF ITEMS FROM THE JOB SITE :** CONTRACTOR SHALL USE EXTREME CARE AND TAKE ANY MEASURES NECESSARY TO ENSURE THAT NO DEBRIS IS DROPPED INTO THE HYDRAULIC, PEDESTRIAN, OR ROADWAY CROSSING BELOW THE STRUCTURE. ANY DEBRIS WHICH IS ALLOWED TO DROP ON THE BANKS BELOW THE BRIDGE SHALL NOT BE ALLOWED TO EXIT THE WORK AREA AND SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR. ALL ITEMS REMOVED FROM THE EXISTING STRUCTURE AND WORK AREA, INCLUDING DEBRIS, OLD STEEL, TIMBER ELEMENTS, TRASH CANS, PARK BENCHES, ETC. SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND ITS REMOVAL FROM THE JOB SITE SHALL BE INCLUDED IN THE UNIT PRICE BID FOR OTHER ITEMS. HAULING OF REMOVAL ITEMS SHALL BE RESTRICTED TO TIMES OF DAY THAT WILL AVOID

INTERRUPTIONS TO TRAFFIC FLOW DURING PEAK HOUR VOLUMES. IN ADDITION NO HAULING SHALL BE ALLOWED DURING MORNING OR EVENING RUSH HOUR, WHICH SHALL BE CONSIDERED TO BE BETWEEN THE HOURS OF 7:00 AM TO 9:00 AM AND 4:00 PM TO 7:00 PM.

- (9) **DEMOLITION:** THE CONTRACTOR SHALL TAKE SPECIAL CARE TO PROTECT ANY PARTS OF THE STRUCTURE THAT ARE NOT TO BE REMOVED SPECIFICALLY. ALL DEVICES PROPOSED FOR DEMOLITION SHALL MEET THE APPROVAL OF THE ENGINEER.

- (10) **BRIDGE LIGHTING:** LUMP SUM FOR BRIDGE LIGHTING INCLUDES ALL ITEMS AND LABOR NECESSARY TO MAKE THE BRIDGE LIGHTING COMPLETE AS SHOWN ON THE PLANS, INCLUDING CONNECTION TO THE EXISTING POWER SOURCE. SEE LIGHTING REPAIR DETAILS FOR ADDITIONAL INFORMATION.

- (11) **VERIFICATION OF EXISTING CONDITIONS:** THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, CLEARANCES, AND MEMBER SIZES BEFORE SUBMITTING SHOP DRAWINGS. COST TO BE INCLUDED IN THE COST OF OTHER ITEMS.

- (12) **FALSEWORK OVER TRAFFIC:** SEE SECTION 804.06 OF THE STANDARD SPECIFICATIONS.

- (13) **FALL PROTECTION:** THE CONTRACTOR SHALL PROVIDE 100% CONVENTIONAL FALL PROTECTION FOR WORKERS INSTALLING DECKING ABOVE 15 FEET.

- (14) **CONSTRUCTION SEQUENCING:** REMOVAL AND REPLACEMENT OF TIMBER ELEMENTS SHALL BE PERFORMED BEGINNING ON THE SOUTH END OF THE BRIDGE AND MOVING NORTH ACROSS THE BRIDGE UNTIL COMPLETION. ALL OTHER CONSTRUCTION OPERATIONS ARE AT THE DISCRETION OF THE CONTRACTOR. THE CONTRACTOR SHALL ESTABLISH A PLAN PRIOR TO BEGINNING CONSTRUCTION OPERATIONS TO BE REVIEWED BY THE ENGINEER. SEE SPECIAL PROVISION SP-6 FOR ADDITIONAL DETAILS.

- (15) **CONSTRUCTION STAGING:** PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL COORDINATE WITH THE CITY OF CHATTANOOGA TO DETERMINE A SUITABLE LOCATION FOR CONSTRUCTION STAGING. THE CONTRACTOR IS RESPONSIBLE FOR ANY PERMITTING REQUIRED FOR OFF-SITE STAGING.

- (15) **SPECIAL NOTE CONCERNING WORK OVER A NAVIGABLE WATERWAY:** THE CONTRACTOR SHALL COMPLY FULLY WITH ANY REQUIREMENTS ESTABLISHED BY THE CORPS OF ENGINEERS, U.S. COAST GUARD, AND ANY OTHER AGENCIES WHICH MAY HAVE JURISDICTION RELATIVE TO CONSTRUCTION WORK OVER A NAVIGABLE STREAM WHICH IS APPLICABLE TO THIS CONTRACT, AND WHICH MAY NOT BE COVERED BY EXISTING PERMITS. THE CONTRACTOR SHALL ALSO NOTIFY THE CORPS OF ENGINEERS INFORMING THEM OF WORK TO BE PERFORMED BEFORE ANY WORK OVER THE WATERWAY BEGINS. THE CONTRACTOR SHALL SUBMIT A DESCRIPTION OF WORK AND SKETCHES OF ANY FALSEWORK, SCAFFOLDING, DEBRIS CONTAINMENT SYSTEMS, ETC. WHICH MAY BE REQUIRED DURING CONSTRUCTION WHICH MAY ENROACH UPON THE VERTICAL AND/OR HORIZONTAL CLEARANCES FOR WATERWAY TRAFFIC TO THE U.S. COAST GUARD FOR APPROVAL BEFORE ANY WORK BEGINS.

CONTACT:

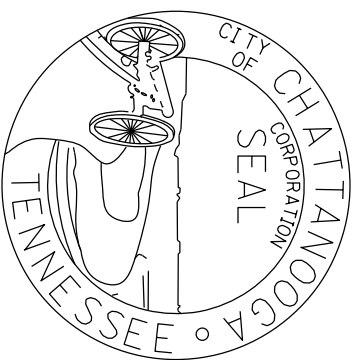
ERIC WASHBURN
U.S. COAST GUARD
BRIDGE ADMINISTRATOR
1222 SPRUCE STREET
ST. LOUIS, MO 63103-2832

- (16) **REFERENCE DOCUMENTS:** FOR ADDITIONAL DETAILS, DIMENSIONS AND MEMBER SIZES OF THE EXISTING BRIDGE, THE CONTRACTOR IS REFERRED TO THE FOLLOWING DOCUMENTS (PROVIDED UPON REQUEST):
 - A. REHABILITATION PLANS - 1990, 2009, AND 2016
 - B. INSPECTION REPORT - 2015

- (17) **MAINTENANCE OF TRAFFIC ON BRIDGE:** SEE PROJECT SPECIFICATIONS.

- (18) **MAINTENANCE OF TRAFFIC IN COOLIDGE PARK:** SEE WORK ZONE DETAIL SHEETS.

- (19) **REMOVAL OF EXISTING LIGHTS ON BRIDGE:** CONTRACTOR TO DELIVER UNDAMAGED EXISTING SHEPARD HOOK LIGHTS TO SUMMIT CITY LAYDOWN AREA 4234 OLD WOODLAND DRIVE, COLTEWAH, TN 37363. PLEASE COORDINATE WITH THE CITY PROJECT MANAGER FOR MORE DETAILS ONE WEEK BEFORE DELIVERY.

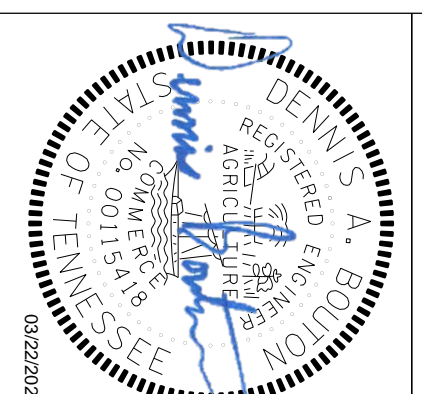


CITY OF CHATTANOOGA
DIVISION OF TRANSPORTATION
CONTRACT #E-13-002-103
WALNUT STREET PEDESTRIAN BRIDGE
BRIDGE REPAIRS - PHASES 2, 3, & 4
WILLIAM C. PAYNE, P.E., CITY ENGINEER

BRIDGE GENERAL NOTES (1 OF 4)

NO.	REV.	NOTES	DATE	SIG.
3	REV.	NOTES	1/1/24	JOA
2	REV.	NOTES	1/19/24	JOA
1	REV.	NOTES	1/10/24	JOA
	REV.	REVISION		

SCALE	NO.	SCALE
DRAWN	N. RUSSELL	
DESIGN	A. CAULE	
CHECKED	J. ECKEL	



APPROVED	
JOB NO.	457003.17
DATE	03/22/2024
SHEET	4
FILE NO.	

BRIDGE GENERAL NOTES (CONTINUED)

TIMBER & SEALANT

- (19) **GLUED LAMINATED TIMBER DECK PANELS:** TREATED ALASKAN YELLOW CEDAR. SHALL CONFORM TO NBS VOLUNTARY PRODUCT STANDARD PS 56 AND AITC STANDARD SERIES 100.
- (20) **TIMBER SIDEWALK PLANKS:** TREATED ALASKAN YELLOW CEDAR. STRESS GRADES FOR STRUCTURAL PURPOSES, NO. 1.
- (21) **TIMBER CURBS AND RISER BLOCKS:** TREATED ALASKAN YELLOW CEDAR, S4S.
- (22) **TIMBER SIDEWALK STRINGERS:** TREATED ALASKAN YELLOW CEDAR, STRESS GRADES FOR STRUCTURAL PURPOSES, NO. 1.
- (23) **TIMBER SEALANT:** SEALANT SHALL BE GMPA2, TENING COPPER NAPHTHENATE 2% OR AWWA APPROVED EQUAL.

- (24) **TIMBER SEALANT:** SHALL BE APPLIED TO ALL EXPOSED SURFACES OF THE TIMBER SIDEWALK AND DECK FOR THE FULL LENGTH OF BRIDGE PER THE MANUFACTURER'S RECOMMENDATIONS. IT SHOULD BE NOTED THAT SEALANT SHALL ALSO BE APPLIED TO CUT ENDS OF TREATED LUMBER. DECK AND SIDEWALK SURFACE SHALL BE CLEANED TO REMOVE ALL COATINGS, DIRT, OIL, MOLD, AND OTHER FOREIGN SUBSTANCES BY POWER WASHING PRIOR TO SEALING TO THE SATISFACTION OF THE ENGINEER. POWER WASHING SHALL BE PAID FOR WITH PAY ITEM 920-10-05 BRIDGE DECK AND SIDEWALK POWER WASHING AND SEALING-LS.

- (25) **CONTAINMENT:** THE CONTRACTOR SHALL USE CONTAINMENT SCREENS OR OTHER MEASURES AS NECESSARY TO PREVENT ANY DECK SEALANT FROM ENTERING THE ENVIRONMENT. CONTAINMENT MEASURES SHALL BE APPROVED BY THE ENGINEER. CONTAINMENT WILL NOT BE MEASURED AND PAID FOR DIRECTLY, BUT WILL BE INCLUDED IN THE COST OF OTHER ITEMS.

- (26) **WASTE COLLECTION:** THE WASTEWATER FROM THE PRESSURE WASHING OPERATION SHALL BE COLLECTED AND FILTERED. THE COLLECTED WASTEWATER SHALL NOT BE RELEASED INTO THE ENVIRONMENTAL UNTIL IT IS CLEAR. ALL SOLID DEBRIS FROM THE PRESSURE WASHING OPERATION SHALL BE COLLECTED AND DISPOSED OF IN AN APPROPRIATE MANNER. WASTE COLLECTION WILL NOT BE MEASURED AND PAID FOR DIRECTLY, BUT WILL BE INCLUDED IN THE COST OF OTHER ITEMS.

STEEL, BOLTS, AND WELDING

- (27) **STRUCTURAL STEEL:** ALL STRUCTURAL STEEL REPAIRS SHALL BE COMPLETED AND IN PLACE PRIOR TO COMMENCING BLAST CLEANING AND PAINTING OPERATIONS. STRUCTURAL STEEL SHALL CONFORM TO ASTM A709 GRADE 50S UNLESS OTHERWISE NOTED. ALL STRUCTURAL STEEL FOR GIRDER FLANGES IN TENSION AND ALL WEBS SHALL MEET THE SUPPLEMENTAL REQUIREMENTS FOR LONGITUDINAL CHAIRY V-NOTCH TESTS SPECIFIED IN THE ASTM SPECIFICATIONS. FOR BOTH NON-FRACTURE CRITICAL AND FRACTURE CRITICAL CRITERIA, MINIMUM AVERAGE ENERGY REQUIREMENTS FOR ZONE 2 SHALL APPLY. ALL FRACTURE CRITICAL STRUCTURAL STEEL ELEMENTS SHALL MEET THE REQUIREMENTS OF THE AASHTO GUIDE SPECIFICATIONS FOR FRACTURE CRITICAL NON-REDUNDANT STEEL BRIDGE MEMBERS AS REQUIRED FOR ZONE 2. FABRICATION OF FRACTURE CRITICAL BRIDGE MEMBERS SHALL BE ACCOMPLISHED BY FABRICATORS CERTIFIED UNDER THE AISC QUALITY MANAGEMENT SYSTEMS CERTIFICATION - CERTIFIED BRIDGE FABRICATOR - ADVANCED. NO OTHER CERTIFICATION PROGRAM WILL BE ACCEPTABLE.
- (28) **BOLTS:** SHALL BE HIGH TENSILE STRENGTH BOLTS (ASTM-F3125, GRADE A325), TYPE 1, UNLESS OTHERWISE NOTED. SEE SECTION 602 OF THE STANDARD SPECIFICATIONS. **NUTS:** SHALL BE ASTM A563, GRADE DH. **WASHERS:** SHALL BE ASTM F436, TYPE 1. EXISTING CONTACT SURFACES SHALL BE CLEANED OF ALL EXISTING PAINT AND RUST TO BARE METAL PRIOR TO ATTACHMENT OF NEW MEMBERS. BOLTS, NUTS, AND WASHERS USED ARE TO BE GALVANIZED. FOR GALVANIZING, SEE SECTION 908 IN THE STANDARD AND SUPPLEMENTAL SPECIFICATIONS. NUTS SHALL BE HEAVY HEX AND TAPPED OVERSIZE THE MINIMUM AMOUNT REQUIRED FOR PROPER ASSEMBLY. BOLTS, NUTS, AND WASHERS SHALL NOT BE REUSED AFTER TIGHTENING. THE REQUIREMENTS AS DESCRIBED IN THIS NOTE SHALL APPLY TO BOLTS PAID FOR UNDER ITEM NO. 602-10.20.

- (29) **WELDING:** SEE CURRENT EDITION OF THE AASHTO/AWS D1.5 BRIDGE WELDING CODE. CONTRACTOR IS TO SUBMIT WELDING PROCEDURE SPECIFICATIONS (BASED ON SUCCESSFUL TEST RESULTS AS RECORDED IN A PROCEDURE QUALIFICATION TEST RECORD, SEE AASHTO/AWS D1.5 SECTION 1.9 AND SECTION 5 (QUALIFICATION)) AND WELDER QUALIFICATIONS TO THE ENGINEER FOR REVIEW BEFORE WELDING WILL BE ALLOWED. WELDER QUALIFICATION SHALL INCLUDE PROOF OF CONTINUOUS WORK USING THE SPECIFIED WELDING PROCESS. WELDING PROCEDURE SPECIFICATIONS ARE NOT REQUIRED FOR TEMPORARY WELDS (STAY-IN-PLACE METAL DECK FORMS ARE CONSIDERED TEMPORARY). THE WELDING PROCEDURE SPECIFICATIONS SHOULD BE ON SITE FOR WELDER AND INSPECTOR REVIEW.

WELDING IS TO BE DONE BY QUALIFIED WELDERS, SUPERVISION OF NON-QUALIFIED WELDERS IS NOT PERMITTED. THE OWNER HAS THE OPTION OF HAVING THE WELDER RECERTIFIED IF QUESTIONABLE WORK IS OBSERVED. THE COST OF THIS REQUALIFICATION IS TO BE PAID FOR BY THE CONTRACTOR. WELDER QUALIFICATION POSITIONS FOR FILLET AND GROOVE WELDS: FLAT (F), HORIZONTAL (H), VERTICAL (V), OVERHEAD (OH). SEE FIG 5.4 OR FIG 5.5 IN AASHTO/AWS D1.5 FOR POSITION LIMITS.

- (2) THE CONTRACTOR SHALL HAVE A CERTIFIED WELDING INSPECTOR (CWI) ON EACH WORK SHIFT WHERE WELDING OR OTHER SIGNIFICANT WORK IS PERFORMED.

WELD	POSITION	GROOVE	FILLET
GROOVE	1G	F	F,H
	2G	F,H	F,H
	3G	F,H,V	F,H,V
	4G	F,H,OH	F,H,OH
FILLET	3G AND 4G	ALL	ALL
	1F	F	F
	2F	F,H	F,H,V
	3F 4F	F,H,OH	F,H,OH
	3F AND 4F	ALL	ALL

FROM TABLE 5.8, WELDER QUALIFICATION - TYPE AND POSITION LIMITATIONS, AASHTO/AWS D1.5

BLAST CLEANING AND PAINTING (SYSTEM "A") NOTES

- (30) **CLEANING AND PAINTING:** ALL STRUCTURAL STEEL AND HANDRAILS SHALL BE BLAST CLEANED AND PAINTED. BLAST CLEANING, PAINTING, AND ALL OTHER INCIDENTAL OPERATIONS ASSOCIATED WITH THE PAINTING OPERATION SHALL CONFORM TO SECTION 603 OF THE STANDARD SPECIFICATIONS. BLAST CLEANING SHALL BE IN ACCORDANCE WITH SECTION 603.05(B.2) OF THE STANDARD SPECIFICATIONS. PAINT SHALL BE SYSTEM "A" (QPL 3.001) - INORGANIC ZINC. SEE SECTIONS 603 AND 910 OF THE STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL ALSO HAVE THE OPTION TO USE ORGANIC ZINC IN SYSTEM "A" INSTEAD OF AN INORGANIC ZINC. ORGANIC ZINC SYSTEMS SHALL BE FROM QPL 3.002.
- (31) ALL ELECTRICAL PANELS AND CONDUIT ATTACHED TO THE BRIDGE SHALL ALSO BE PAINTED TO MATCH THE COLOR OF THE STRUCTURAL STEEL. THIS SHALL BE CONSIDERED AN INCIDENTAL ITEM.
- (32) BLAST CLEANING SHALL BE IN ACCORDANCE WITH SECTION 603.05(B.2) AND CLEANED TO SSPC-SP 10 "NEAR-WHITE METAL BLAST CLEANING" (OR NACE EQUIVALENT). BLAST CLEANING SHOULD PRODUCE A UNIFORM SURFACE PROFILE BETWEEN 1.5 MIL AND 3.5 MIL. IF THE PROFILE REQUIREMENTS OF THE COATING MANUFACTURER ARE MORE RESTRICTIVE, THE CONTRACTOR SHALL ADVISE THE ENGINEER AND COMPLY WITH THE MORE RESTRICTIVE REQUIREMENTS.
- (33) DRY FILM THICKNESSES SHOWN IN SECTION 603.06 OF THE STANDARD SPECIFICATIONS ARE THICKNESSES ABOVE THE SURFACE PROFILE.
- (34) ROLLER AND DAUBER MAP SHALL NOT BE ALLOWED IN THE COATINGS.
- (35) FINS, TEARS, SLIVERS, AND DELAMINATIONS ARE TO BE GROUND FOLLOWED BY RE-BLASTING. AT THE DISCRETION OF THE ENGINEER, THE USE OF POWER TOOLS TO CLEAN THE LOCALIZED AREAS AFTER GRINDING AND ESTABLISH A SURFACE PROFILE ACCEPTABLE TO THE COATING MANUFACTURER CAN BE USED IN LIEU OF RE-BLASTING.

- (36) ALL THREE COATS SHALL BE TINTED TO CONTRAST AGAINST THE PRECEDING OR FOLLOWING COAT.
- (37) SEE TDOT QUALIFIED PRODUCTS LIST 3.001 (INORGANIC ZINC SYSTEM) OR 3.002 (ORGANIC ZINC SYSTEM) FOR ACCEPTABLE COATINGS FOR THE SYSTEM "A" PAINT SYSTEM. THE SAME MANUFACTURER SHALL SUPPLY ALL PRODUCTS USED, INCLUDING THINNERS.

- (38) **CONTAINMENT AND DISPOSAL:** OUR RECORDS SHOW THAT THIS BRIDGE HAS OR HAS HAD LEAD-BASED/CHROMATE-BASED PAINT APPLIED TO IT DURING ITS HISTORY. THEREFORE, THE CONTRACTOR SHALL ASSUME THAT REMNANTS OF THAT PAINT REMAIN ON THE BRIDGE. SEE SECTION 603.13 OF THE STANDARD SPECIFICATIONS FOR SPECIAL PRECAUTIONS THAT MUST BE TAKEN IN THE REMOVAL, CONTAINMENT AND DISPOSAL OF THE SURFACE PREPARATION WASTE AND PAINT REMOVAL MEDIA, AND WORKER AND PUBLIC SAFETY. FOR AESTHETIC PURPOSES NO MORE THAN TWO OF THE TRUSS SPANS CAN BE ENCLOSED WITH A CONTAINMENT SYSTEM UNLESS THE WORK PLAN DEVELOPED BY THE CONTRACTOR'S ENGINEER IS MORE RESTRICTIVE.

- (39) **EXISTING LEAD-BASED PAINT:** OUR RECORDS SHOW THAT THIS BRIDGE HAS OR HAS HAD LEAD-BASED/CHROMATE-BASED PAINT APPLIED TO IT DURING ITS HISTORY. THEREFORE, THE CONTRACTOR SHALL ASSUME THAT REMNANTS OF THAT PAINT REMAIN ON THE BRIDGE ALONG WITH THE POSSIBILITY OF THE PRESENCE OF MILLSCALE. CONTRACTOR SHALL BID ACCORDINGLY.

- (40) **WORKER PROTECTION FROM LEAD-BASED PAINT:** OUR MAINTENANCE RECORDS INDICATE THAT THIS BRIDGE WAS ORIGINALLY PAINTED WITH MATERIALS CONTAINING LEAD AND/OR CHROMATES AND THE CONTRACTOR SHALL BE REQUIRED TO PROCEED ACCORDINGLY AND TAKE ALL MANDATORY SAFEGUARDS PRESCRIBED BY THE STATE AND FEDERAL LAW FOR WORKER PROTECTION AND HAZARDOUS MATERIALS DISPOSAL.

- (41) **VERTICAL CLEARANCE:** THE CONTRACTOR SHALL MAINTAIN A VERTICAL CLEARANCE OF 17 FEET FOR THE DURATION OF THE CONTAINMENT AND PAINTING OPERATIONS SUCH THAT THE WORK DOES NOT IMPEDE VEHICULAR TRAFFIC. IF THIS CLEARANCE CANNOT BE MAINTAINED, THE CONTRACTOR SHALL PROVIDE A TRAFFIC CONTROL PLAN WITH AN ACCEPTABLE DETOUR TO BE APPROVED BY THE OWNER. THE COST OF THE TRAFFIC CONTROL PLAN AND ADDITIONAL MAINTENANCE OF TRAFFIC ITEMS WILL NOT BE MEASURED AND PAID FOR DIRECTLY, BUT WILL BE INCLUDED IN THE COST OF OTHER ITEMS. ALL VEHICULAR ROUTES UNDERNEATH THE BRIDGE SHALL REMAIN OPEN AND ACCESSIBLE, UNLESS SPECIFIED OTHERWISE IN THE CONTRACT DOCUMENTS OR CONSTRUCTION PLANS.

- (42) **STRUCTURAL STEEL COLOR:** THE COLOR OF THE FINISH COAT SHALL BE A SHADE OF BLUE SUPPLIED BY SHERWIN-WILLIAMS, CARBOLINE, OR AN APPROVED EQUAL. THE CONTRACTOR SHALL SUBMIT A SAMPLE OF THE FINISH COAT COLOR TO BE APPROVED BY THE OWNER.

- (43) **HANDRAIL COLOR:** THE COLOR OF THE FINISH COAT SHALL BE INSIGNIA WHITE CONFORMING TO AWS-STD-595 (3/925).

- (44) **COATING SYSTEM APPROVAL:** PRIOR TO COMMENCING BLAST CLEANING AND PAINTING OPERATIONS, THE OWNER SHALL SELECT A LOCATION ON THE BRIDGE NO LARGER THAN 10 FEET HIGH FOR THE CONTRACTOR TO PREPARE A REPRESENTATIVE SAMPLE OF THE COMPLETE COATING SYSTEM. THE CONTRACTOR SHALL DEMONSTRATE ALL BLAST CLEANING AND PAINTING OPERATIONS WITHIN THIS AREA, AND THE FINISH COAT COLOR SHALL BE APPROVED BY THE OWNER UPON COMPLETION OF THE REPRESENTATIVE SAMPLE. IF THE FINISH COAT COLOR IS FOUND TO BE UNSATISFACTORY, THE CONTRACTOR SHALL SUBMIT A NEW FINISH COAT COLOR, AND A NEW REPRESENTATIVE SAMPLE SHALL BE PREPARED BY THE CONTRACTOR FOR APPROVAL BY THE OWNER USING THE MEANS AND METHODS DESCRIBED ABOVE.

BEARING PAINTING NOTES

- (45) **PAINT:** SHALL BE SYSTEM "B" (QPL 3.005) IN ACCORDANCE WITH SECTION 603.06 OF THE STANDARD SPECIFICATIONS. COLOR OF THE FINISH COAT SHALL MATCH THE STRUCTURAL STEEL COLOR DESCRIBED IN NOTE 42. SEE SECTIONS 603 AND 910 OF THE STANDARD SPECS. ALL PRODUCTS USED IN THIS COATING SYSTEM, INCLUDING THINNERS, MUST BE SUPPLIED BY THE SAME MANUFACTURER.



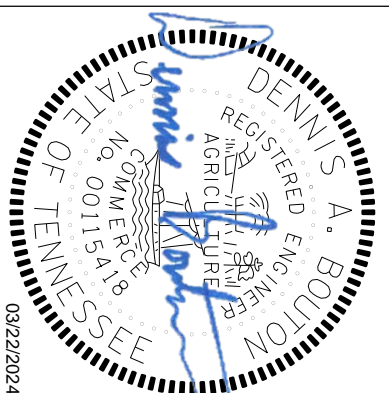
CITY OF CHATTANOOGA
 DIVISION OF TRANSPORTATION
CONTRACT #E-13-002-103
 WALNUT STREET PEDESTRIAN BRIDGE
 BRIDGE REPAIRS - PHASES 2, 3, & 4
 WILLIAM C. PAYNE, P.E., CITY ENGINEER

BRIDGE GENERAL NOTES (2 OF 4)

NO.	REVISION	DATE	STG.
3	REV. NOTE	1/17/24	JOA
2	REV. NOTE	1/19/24	JOA
1	REV. NOTE	1/16/24	JOA

SCALE	NO. SCALE
DRAWN	N. RUSSELL
DESIGN	A. CAULE
CHECKED	J. ECKEL

VOLKERT



APPROVED	
JOB NO.	457003.17
DATE	03/22/2024
SHEET	4A
FILE NO.	

ESTIMATED ROADWAY QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE (EACH)	TOTAL
201-07.01	REMOVAL AND DISPOSAL OF BRUSH & TREES	LS	1		
203-01	ROAD & DRAINAGE EXCAVATION (UNCLASSIFIED)	C.Y.	175		
203-07	FURNISHING & SPREADING TOPSOIL	C.Y.	375		
209-05	SEDIMENT REMOVAL	C.Y.	30		
303-10.01	MINERAL AGGREGATE (SIZE 57)	TON	22		
601-10.10	TREATED TIMBER LAMINATED DECKING	MBFM	147		
601-10.11	TREATED TIMBER (SIDEWALK PLANKS AND CURBS)	MBFM	166		
602-02.10	STRUCTURAL STEEL (NORTH VIADUCT - FLOOR BEAM MODIFICATIONS)	LS	1		
602-10.20	BOLTS	EACH	176		
602-10.51	STRUCTURAL STEEL REPAIR (DECK CLIPS)	EACH	7,110		
602-10.52	STRUCTURAL STEEL REPAIR (WOOD STRINGER KEEPER ANGLES)	EACH	1,180		
602-10.53	STRUCTURAL STEEL REPAIR (STRINGER PACK RUST REMOVAL)	EACH	19		
602-10.54	STRUCTURAL STEEL REPAIR (BEARING GUSSET PACK RUST REMOVAL)	EACH	3		
602-10.55	STRUCTURAL STEEL REPAIR (EYEBAR PACK RUST REMOVAL)	EACH	66		
602-10.57	STRUCTURAL STEEL REPAIR (NUT REPLACEMENT)	EACH	1		
602-10.58	STRUCTURAL STEEL REPAIR (KNEE BRACE REPLACEMENT)	EACH	3		
602-10.59	STRUCTURAL STEEL REPAIR (DIAPHRAGM REPLACEMENT)	EACH	2		
602-10.70	STRUCTURAL STEEL CRACK REPAIR	EACH	2		
603-02.01	REPAINTING EXISTING STEEL STRUCTURES (WALNUT ST BRIDGE)	LS	1		
603-02.15	REPAINT EXISTING BEARINGS	LS	1		
603-05.20	CONTAINMENT & DISPOSAL OF WASTE (WALNUT ST BRIDGE)	LS	1		
604-01.01	CLASS A CONCRETE (ROADWAY)	C.Y.	9		
604-01.02	STEEL BAR REINFORCEMENT (ROADWAY)	LB.	926		
604-04.01	APPLIED TEXTURE FINISH (NEW STRUCTURES)	S.Y.	40		
604-10.89	MISCELLANEOUS BRIDGE ITEMS (DISPOSE EXISTING DECK BOARDS)	LS	1		
707-08.10	TEMPORARY CONSTRUCTION FENCE	L.F.	2,500		
709-05.05	MACHINED RIP-RAP (CLASS A-3)	TON	220		
712-01	TRAFFIC CONTROL	LS	1		
712-04.01	FLEXIBLE DRUMS (CHANNELIZING)	EACH	10		
712-06	SIGNS (CONSTRUCTION)	S.F.	722		
SUB TOTAL OF BID (SHEET 1)					

REVISION 1 - 7/8/24

REVISION 2 - 7/22/24

ESTIMATED ROADWAY QUANTITIES (CONTINUED)

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE (EACH)	TOTAL
712-07.01	TEMPORARY BARRICADES (TYPE I)	L.F.	39		
712-07.03	TEMPORARY BARRICADES (TYPE III)	L.F.	96		
713-16.01	CHANGEABLE MESSAGE SIGN	EACH	2		
714-01.37	LIGHT STANDARDS (PEDESTRIAN/STREET LIGHT)	EACH	16		
714-01.64	ELECTRICAL SYSTEM	LS	1		
714-03.03	DIRECT BURIAL CONDUIT (SCHED. 40 PVC, UTILITY TRANSFORMER SECONDARY)	L.F.	135		
714-03.04	DIRECT BURIAL CONDUIT (SCHED. 40 PVC, UNDERGROUND BRANCH CIRCUIT CONDUITS)	L.F.	100		
714-04.03	CONDUIT (3/4" CONDUIT)	L.F.	8,000		
714-04.04	CONDUIT (1-1/4" CONDUIT)	L.F.	4,500		
714-04.05	CONDUIT (1-1/2" CONDUIT)	L.F.	13,750		
714-04.06	CONDUIT (2" CONDUIT)	L.F.	15,000		
714-04.07	CONDUIT (2-1/2" CONDUIT)	L.F.	3,000		
714-04.08	CONDUIT (3" CONDUIT)	L.F.	4,000		
714-05.05	PULL BOXES (BRANCH CIRCUIT PULL BOXES)	EACH	40		
714-05.06	PULL BOXES (BRANCH CIRCUIT JUNCTION BOXES)	EACH	150		
714-05.07	PULL BOXES (COMMUNICATIONS PULL BOXES)	EACH	20		
714-06.03	CABLE (1/C #10 AWG)	L.F.	38,000		
714-06.04	CABLE (1/C #8 AWG)	L.F.	105,000		
714-06.06	CABLE (1/C #4 AWG)	L.F.	126,000		
714-06.07	CABLE (1/C #2 AWG)	L.F.	28,000		
714-06.08	CABLE (1/C #1/0 AWG)	L.F.	20,000		
714-09.09	LUMINAIRES (BRIDGE MOUNTED, TYPES VARY)	EACH	482		
714-12.01	CONTROL CENTER (NO. 1)	LS	1		
714-12.02	CONTROL CENTER (NO. 2)	LS	1		
714-16.01	NAVIGATIONAL LIGHTING	LS	1		
714-25.02	ELECTRICAL CONNECTION (ELECTRIC POWER BOARD - EPB - ELECTRICT SERVICE #1)	LS	1		
714-25.03	ELECTRICAL CONNECTION (ELECTRIC POWER BOARD - EPB - ELECTRICT SERVICE #2)	LS	1		
714-40	LOCATING UTILITIES	LS	1		
717-01	MOBILIZATION	LS	1		
722-01.01	FIELD OFFICE (TYPE 1)	LS	1		
SUB TOTAL OF BID (SHEET 2)					

REVISION 1 - 7/8/24

REVISION 3 - 7/31/24

ESTIMATED ROADWAY QUANTITIES (CONTINUED)

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE (EACH)	TOTAL
725-02.16	CONDUIT (STRUCTURES - CCTV CAMERAS)	L.F.	10,000		
725-03.80	CCTV CAMERA SYSTEM	EACH	11		
725-05.02	FIBER OPTIC CABLE (60 STRAND SINGLE MODE)	L.F.	2,300		
725-20.75	COMMUNICATION CONNECTION (ELECTRIC POWER BOARD - EPB - FIBER TO CAMERAS)	LS	1		
725-23.29	FIBER OPTIC TERMINATION CABINET	EACH	4		
740-10.03	GEOTEXTILE (TYPE III) (EROSION CONTROL)	S.Y.	425		
740-11.03	TEMPORARY SEDIMENT TUBE 18IN	L.F.	1,850		
801-01.07	TEMPORARY SEEDING (WITH MULCH)	UNIT	205		
801-01.65	TEMPORARY MULCH	UNIT	50		
801-03	WATER (SEEDING & SODDING)	M.G.	65		
803-01	SODDING (NEW SOD)	S.Y.	6,000		
920-10.04	STRUCTURAL STEEL REPAIR (BEARING PLATE WELD REPAIR)	EACH	18		
920-10.05	BRIDGE DECK AND SIDEWALK POWER WASHING AND SEALING	LS	4	XXXXXXXXXX	XXXXXXXXXX
920-11.04	STRUCTURAL STEEL REPAIR (SPACER PLATE WELD REPAIR)	EACH	2		
920-11.05	BIRD NETTING SYSTEM	LS	1		
920-12.04	STRUCTURAL STEEL REPAIR (STRINGER PLATE WELD REPAIR)	EACH	2		
920-12.05	REMOVE NAME PLATES AND PROVIDE TO OWNER	LS	1		
920-13.04	STRUCTURAL STEEL REPAIR (TRUSS VERTICAL WELD REPAIR)	EACH	1		
920-13.05	REMOVE & REPLACE BENCHES, TRASH CANS, & PLANTERS	LS	1		
920-14.04	STRUCTURAL STEEL REPAIR (PAD WELDING)	EACH	7		
920-14.05	RELOCATION OF EXISTING UTILITIES	LS	1		
920-15.04	STRUCTURAL STEEL REPAIR (STRINGER SUPPORT PLATE)	EACH	2		
920-16.04	TREATED TIMBER (RISER BLOCKS)	EACH	195		
920-16.05	UTILITY LINE CLEANING AND PAINTING	LS	1		
920-17.04	TREATED TIMBER (SIDEWALK STRINGERS)	EACH	278		
920-17.05	PERMITS - CITY OF CHATTANOOGA	LS	1		
920-18.05	PVC WATER LINE REPLACEMENT	LS	1		
920-19.04	UTILITY CONDUIT AND HARDWARE	EACH	3		
920-20.04	IN-KIND STRUCTURAL STEEL REPLACEMENT (MISCELLANEOUS)	EACH	2		
920-20.05	REMOVAL AND DISPOSAL OF ELECTRICAL SYSTEM	LS	1		

SUB TOTAL OF BID (SHEET 3)

REVISION 2 - 7/22/24

REVISION 3 - 7/31/24

ESTIMATED ROADWAY QUANTITIES (CONTINUED)

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT PRICE (EACH)	TOTAL
920-20.12	REMOVE, CLEAN, AND RESET EXISTING DECK JOINTS	EACH	17		
920-20.13	HISTORICAL SIGN CLEANING AND PAINTING	LS	1		
920-20.20	STRUCTURAL STEEL REPAIR (STRINGER SECTION REPLACEMENT)	EACH	2		
920-20.21	REMOVE & REPLACE EDUCATIONAL SIGNS	LS	1		
920-20.28	DECK DRAIN SCUPPERS	EACH	16		
920-20.29	IRRIGATION SYSTEM (REPAIR)	LS	1		
920-20.37	ADDITIONAL FASTENERS	LS	1		
920-20.40	STRAND REPLACEMENT	L.F.	4,000		
920-20.44	STRAND ADJUSTMENT	EACH	33		
920-20.45	WORK PLAN AND ANALYSIS	LS	1		
920-20.53	MONITORING SYSTEMS	LS	1		
		SUB TOTAL OF BID (SHEET 4)			
GRAND TOTAL (FIGURE)					
GRAND TOTAL (WORD)					

REV

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REVISION 1 - 7/8/24
 REVISION 3 - 7/31/24

DBE Subcontractor Name: _____

2nd Tier Ethnicity** _____ Gender _____

Subcontractor Total Amount: _____

TDOT Item Number	Work Description	DBE Dollar Amount

DBE Subcontractor Name: _____

2nd Tier Ethnicity** _____ Gender _____

Subcontractor Total Amount: _____

TDOT Item Number	Work Description	DBE Dollar Amount

DBE Subcontractor Name: _____

2nd Tier Ethnicity** _____ Gender _____

Subcontractor Total Amount: _____

TDOT Item Number	Work Description	DBE Dollar Amount

Please attach additional pages as needed.

** Ethnicity=Black American (BA), Hispanic American (HA), Native American (NA), Asian Indian American (AIA), Asian-Pacific American (APA), Non-Minority Women (FBE), Other (OT)

Question	Answer
<p>Bid item 714-04.08 is shown as 4" conduit on Plan Sheet 2 and on the "estimated roadway quantities" table in Add#4. But the same bid item is shown as 3" on the "estimated lighting quantities" on plan sheet E0.3. Which size is correct?</p>	<p>3" is correct.</p>
<p>We interpret that ALL new Fiber Optic Cables will be Furnished, Pulled, and Connected by EPB per Sheet E0.8 and footnote #18 on Sheet E-0.3. Please confirm.</p>	<p>Yes, the contractor is only responsible for the boxes, pathways, and pull strings.</p>
<p>We interpret that ALL new Ethernet Cables will be Furnished, Pulled, and Connected by EPB and/or the City of Chattanooga per footnote #18 on Sheet E-0.3. Please confirm.</p>	<p>All ethernet cabling associated with the camera systems shall be furnished and installed by the City of Chattanooga.</p>
<p>Bid Item 725-02.16 Footnote #13 calls for installation of conduits AND cabling. Per Sid Cross at EPB, EPB will Furnish and Install the cabling. Please confirm.</p>	<p>Footnote #13 calls for installation of conduits only. Cabling is not included in the bid item.</p>
<p>Bid Item 725-05.02 Footnote #15 calls for installation of Fiber Optic Cabling. Per Sid Cross at EPB, EPB will Furnish and Install the cabling. We just enter the EPB fee for this bid item. Please confirm.</p>	<p>Per the footnote, this fiber optic cabling is for the lighting control devices (data enabler panels). Refer to the Lighting Controls Wiring Diagram on sheet E-0.6.</p>
<p>There are only (5) Bid Items provided for contractor-furnished cables (714-06 items). However, your legends on Plan Sheet E-0.1 show (81) line items of multiple conductors. We only find one drawing (Sheet E-4.1) showing conductors with Label Numbers shown in your legends. And we only find (7) conductors total referenced in your drawings (see attached pages highlighted). Please clarify and/or provide drawings that show ALL conduits and conductors required for this project.</p>	<p>In addition to the cables noted on sheet E-4.1, the panel schedules on sheet E-4.2, E-4.3, and E-4.4 provide information regarding the conduit and conductor sizes for the branch circuits and feeders for the project. Refer to the 'FEED' and 'NOTES' column within these panel schedules for information on the conduit and conductor sizes. The service conductor and branch circuit / feeder legends located on sheet E-0.1 may contain conduits and cables that are not required for the project but are provided as a reference for the contractor. It is the responsibility of the contractor to determine the exact size and quantities of the cables and conduits based upon the sizes indicated on our electrical riser diagrams and in the panel schedules.</p>
<p>Bid Item 920-20.05 including footnote #6 calls for removal of existing electrical systems. Plan Sheet E-0.4, General Note A calls for ALL existing electrical equipment, devices, conduits, etc be removed unless otherwise noted. We do not find any instances of "otherwise noted" in the drawings. But in Addendum #4, Q&A you respond that "there are existing utilities that are active and should remain in place". Since there are no demolition plans provided, we cannot bid accurate demo costs. Please clarify exactly what is to be removed and what is to remain in place.</p>	<p>All electrical equipment that specifically feeds the Walnut Street Bridge lighting or power will need to be removed. Per our site observations, there is (1) panelboard and (1) lighting contactor located on the southern end of the bridge to feed the bridge lighting / power. It is our understanding that there is a separate service that feeds the lighting for the Walnut Street Plaza, and this service will need to remain operational during nighttime hours to provide general safety lighting.</p>
<p>9. Plan sheet E-0.3, Footnote #9 you provide Brad Smith as our contact for finding out what costs to bid for Bid Items 714-25.02 and 03. We have left messages for Brad and are not getting response. Please advise/confirm what the fees/costs will be for these two bid items.</p>	<p>Below are the contacts for EPB. Please contact them regarding EPB Electrical utility work. David Vanzant – Key Customer Engineer O - (423) 648-1536 vanzantda@epb.net - Brandon Easterly (423) 619-1611 easterlybc@epb.net</p>
<p>Due to market availability, some of the Alaskan Yellow Cedar Solid Timber dimensions are unavailable. Is it acceptable to utilize the proposed Alaskan Yellow Cedar Glulam in place of all Solid Timber or at minimum when required due to availability?</p>	<p>Yes</p>
<p>Item #714-04.08 Conduit 4" or 3"</p>	<p>Conduit is 3" Bid form revised.</p>
<p>I just wanted to confirm that there are four addenda that have been issued. Also, I am aware of the 3% DBE Goal. How and when are we to submit that information, as there is no paperwork included in the Bid Proposal. I just want to confirm I am not missing anything.</p>	<p>This is the 5th addenda. A form will be added for DBE goal.</p>
<p>Alaska Yellow Cedar - Treatment/Sealer and Buy America?</p>	<p>Plans have been revised to remove the requirement for the treatment and sealing of the Alaskan Yellow Cedar. Federal Acquisition Regulation Section 25.103 (b)(1) discusses nonavailability of materials in the United States. Section 25.104 lists the materials that fall under nonavailability. Alaskan Yellow Cedar is on the 25.104 (Nonavailable Articles) list.</p>