ADDENDUM NO. I

DATE:October 19, 2021TO:All Potential ProposersFROM:Taylor Childress, Procurement Specialist, City of KnoxvilleSUBJECT:Addendum No. I to ITB- High Mast ReplacementPROPOSALS TO BE OPENED:November 5, 2021 11:00 AM (Eastern Time)

This addendum is being published to provide clarification regarding the above referenced ITB. This addendum becomes a part of the contract documents and modifies the original specifications as follows:

Items for Clarification:

1. Question: Will there be a fixture schedule issued? Will there be any drawings, to show the location and power requirements?

Response: Please see the drawings below.

END OF ADDENDUM NO. I

WEST HILLS HIGH MAST POLE REPLACEMENT KNOX COUNTY, TENNESSEE

STANDARD DRAWINGS

TENNESSEE DEPT. OF TRANSPORTATION STANDARD ROADWAY DRAWINGS

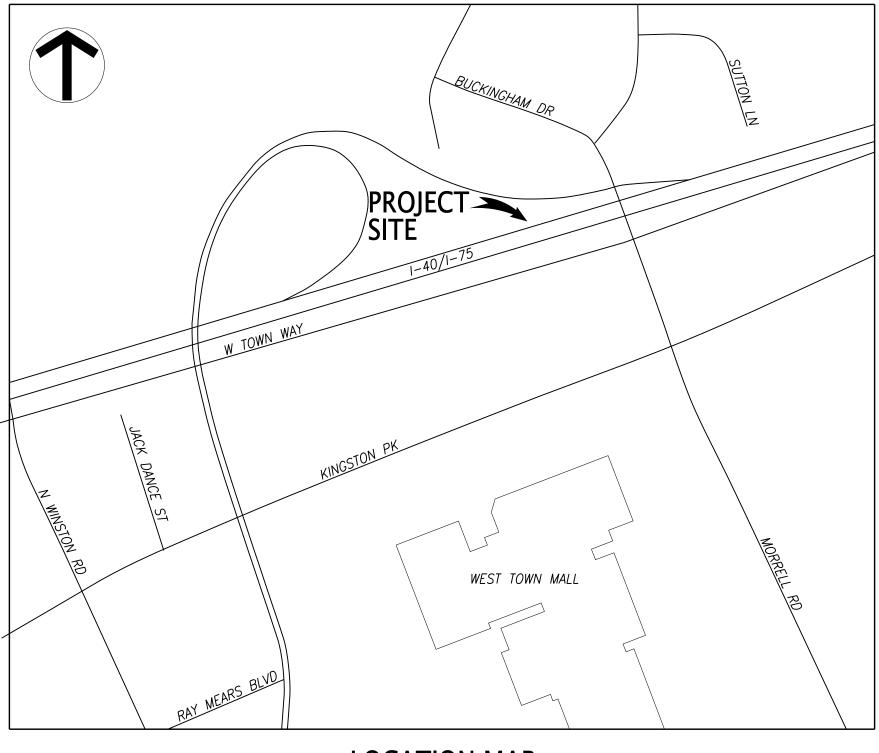
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DWG NO.	DATE	TITLE
STD-8-4	02/2003	SIGN, LUMINAIRE, AND TRAFFIC SIGNAL SUPPORTS
T-L-1	11/17/2020	STANDARD LIGHTING FOUNDATION DETAILS
T-L-3	04/15/1996	STANDARD LIGHTING DETAILS PULL BOXES
T-L-4	05/25/2011	STANDARD LIGHTING DETAILS CONDUIT, CABLE INSTALLATION

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FULGHUM, MACINDOE, & ASSOCIATES, INC. CONTACT: H. ADAM DUNCAN, P.E. 10330 HARDIN VALLEY ROAD, SUITE 201 KNOXVILLE, TENNESSEE 37932 TELEPHONE: 865.690.6419 FAX: 865.690.6448

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J	INDEX

ISSUE	
DATE	TITLE
10/19/21	COVER SHEET
10/19/21	LIGHTING NOTES, LEGEND, ESTIMATED MATERIAL QUANTITIES, LIGHTING PLAN, AND DETAILS

COMMEN	A D O E TES, INC. VALLEY ROAD 201 IN 37932 690.6419 90.6448 acindoe.com					
WEST HILLS HIGH MAST POLE REPLACEMENT INTERSTATE 40 WESTBOUND EXIT 380 KNOXVILLE, TENNESSEE 37912						
THE CITY OF KNOXVILLE 3131 MORRIS AVE, RM 138 knoxville, TN 37919 CONTACT: CHEVELLE LEWIS TELEPHONE NO.: 865.215.6046 EMAIL: CLEWEIS@KNOXVILLETN.GOV						
COVER SHEET AND STANDARD DRAWINGS						
BY SJM	10/19/21 Date					
DESIGNED BY DRAWN BY	ISSUED FOR CONSTRUCTION Revision/Issue					
PROJ. MGR. HAD	ISSUED FOR (
	Sheet					
301.013.035 Date 10/19/21 Scale <i>N.T.S.</i>	E1					

ESTIMATED MATERIAL QUANTITIES

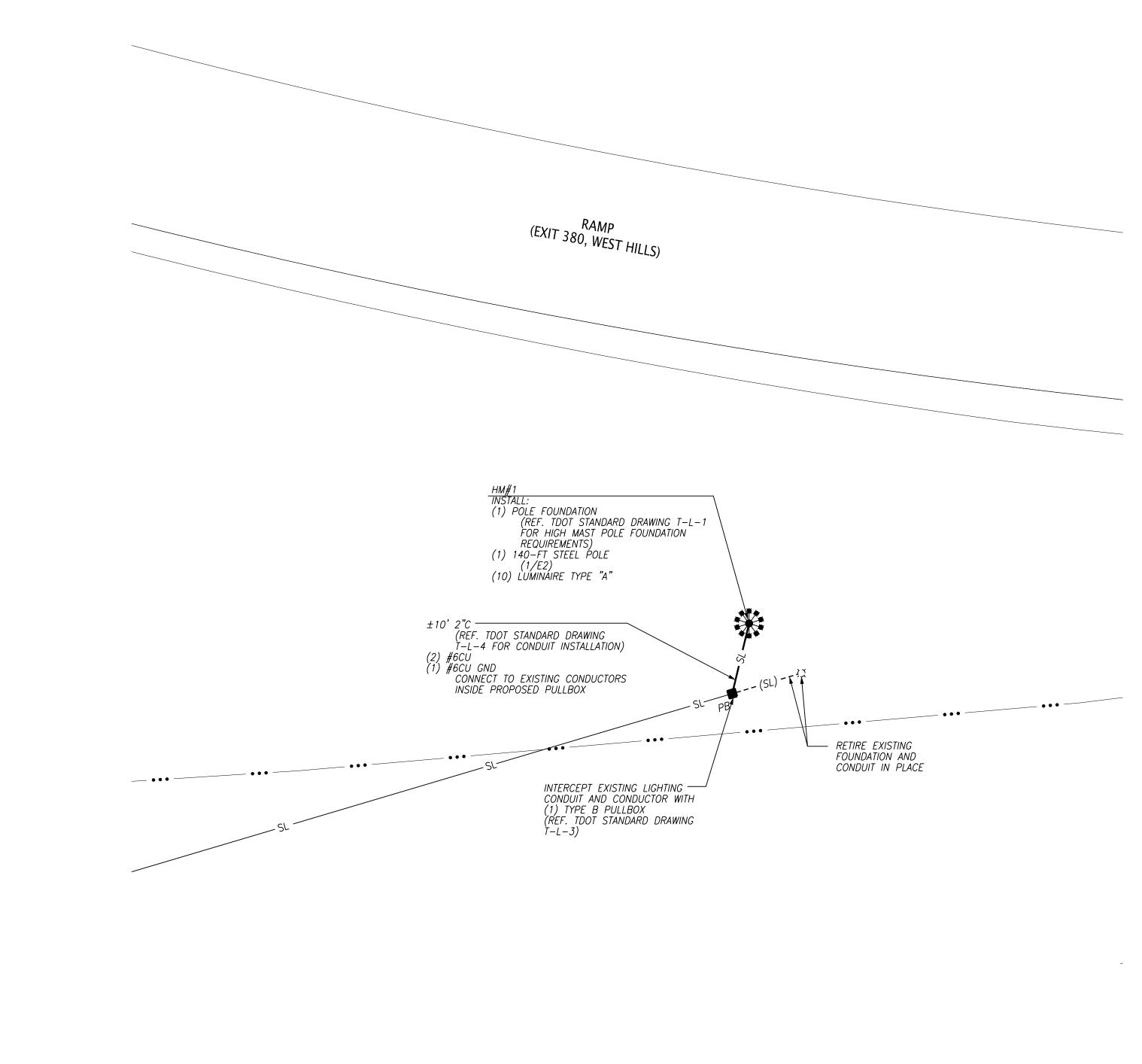
ESTIMATED MATERIAL QUANTITIES				
ITEM NO.	DESCRIPTION	UNIT	QUANTITY	FOOTNOTE
714–03.01	DIRECT BURIAL CONDUIT (2" PVC, SCHEDULE 40)	LF	10	
714-06.05	CABLE (1/C #6 AWG)	LF	30	1
714–08.09	LIGHT STANDARDS (140–FT HIGH MAST, 10 RING)	EA	1	2
714–08.27	FOUNDATION FOR LIGHT STANDARDS – HIGH MAST	EA	1	3
714–09.64	LED LUMINAIRES – HIGH MAST (400W, TYPE A)	EA	10	4
714–25.01	ELECTRICAL CONNECTION (SPLICING IN PROPOSED PULLBOX)	LS	1	5
714-72.10	PULL BOX WITH COVER MEDIUM	EA	1	

FOOTNOTES

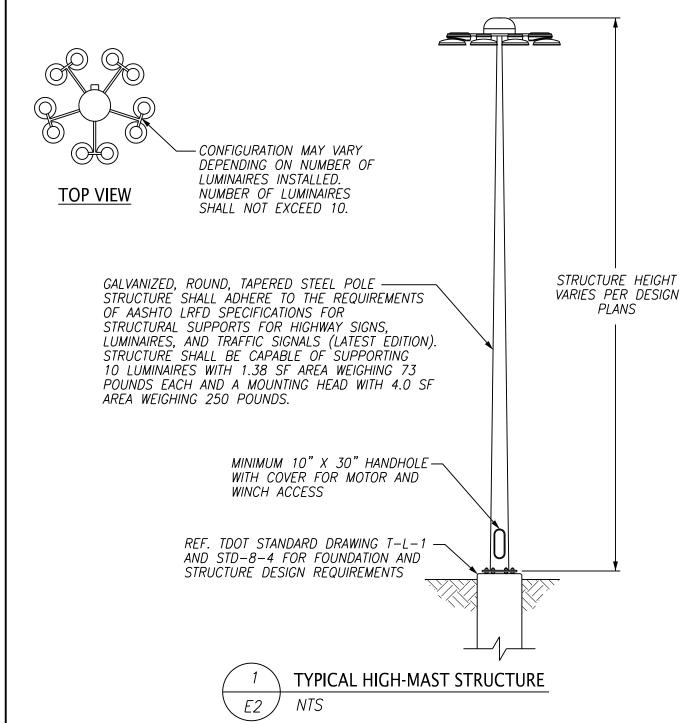
1. CONDUCTORS SHALL BE STRANDED COPPER WITH THWN-2, 1000V INSULATION OR APPROVED EQUAL.

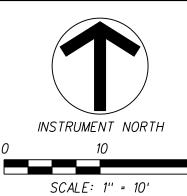
- 2. NOTED MOUNTING HEIGHT ARE MEASURED ABOVE CENTERLINE OF THE PAVEMENT SECTION PERPENDICULAR TO THE STATION OF INSTALLED LIGHT STANDARD. ACTUAL POLE HEIGHTS WILL VARY FROM THIS MOUNTING HEIGHT AND MUST BE VERIFIED PRIOR TO ORDERING.
- 3. UNIT INCLUDES BORING, EXCAVATION, MATERIALS, LABOR, EQUIPMENT, AND OTHER ITEMS NECESSARY FOR A COMPLETE AND FUNCTIONING INSTALLATION.
- 4. REFERENCE LUMINAIRE SCHEDULE FOR SPECIFIC REQUIREMENTS.
- 5. CONNECTIONS SHALL BE MADE WITH SPLIT-BOLT CONNECTORS WRAPPED IN SELF-VULCANIZING RUBBER TAPE APPLIED IN HALF-LAP LAYERS TO GIVE A SMOOTH COVERING OF NOT LESS THAN 2 TIMES THE THICKNESS OF THE WIRE INSULATION. OVER THIS, APPLY TWO LAYERS OF HALF-LAPPED 7-MIL VINYL PLASTIC TAPE.

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LUMINAIRE SCHEDULE				
LUMINAIRE MANUFACTURER	CATALOG NUMBER	LAMP TYPE	LAMP DESCRIPTION	NOMINAL POWER (WATTS)
HOLOPHANE	HMLED3-PK2-30K-HVOLT-G-AW-DM-P7	LED	HIGH MAST	319





LIGHTING NOTES:

- 1. PLANIMETRIC AND PROPERTY DATA WAS PROVIDED BY KGIS ON AUGUST 11, 2021. INFORMATION HAS BEEN SUPPLEMENTED VIA FIELD OBSERVATION AND HANDHELD GPS AS REQUIRED.
- 2. MAXIMUM VOLTAGE DROP SHALL BE LIMITED TO 5%.
- 3. WORK SHALL CONFORM TO NATIONAL, STATE, & LOCAL CODES. WHERE A CONFLICT EXISTS BETWEEN APPLICABLE CODES, CONTACT THE AUTHORITY HAVING JURISDICTION FOR CLARIFICATION.
- 4. ELECTRICAL CONTRACTOR SHALL OBTAIN AND PAY FOR ALL PERMITS & FEES RELATIVE TO THE INSTALLATION OF HIS OR HER WORK.
- 5. LIGHTING INSTALLATIONS MUST BE INSPECTED BY THE CITY OF KNOXVILLE PRIOR TO SERVICE CONNECTIONS. CONTACT THE CITY OF KNOXVILLE TRAFFIC ENGINEERING STREETLIGHT SYSTEMS MANAGER (865–215–6046) AT LEASE THREE WORKING DAYS PRIOR TO CONSTRUCTION.
- 6. CONTRACTOR SHALL FURNISH AND INSTALL SPECIFIED EQUIPMENT OR APPROVED EQUAL. ADDITIONAL EQUIPMENT SUCH AS JUNCTION BOXES, HANGERS, OR FITTINGS MAY BE REQUIRED FOR A COMPLETE AND WORKING ELECTRICAL SYSTEM, WHETHER OR NOT SUCH EQUIPMENT IS INDICATED ON THE DRAWINGS. CONTRACTOR SHALL PROVIDE ALL MATERIAL, LABOR, AND EQUIPMENT REQUIRED.
- 7. EXACT LOCATION OF EQUIPMENT AND ACCESSORIES SHALL BE ADJUSTED TO SUIT FIELD CONDITIONS. INSTALLATION MUST COMPLY WITH CLEARANCES SPECIFIED BY NEC, MANUFACTURERS SPECIFICATIONS, AND APPLICABLE CODES.
- 8. LOCATE POLES, JUNCTION BOXES, ETC. OUTSIDE OF PAVED AREAS UNLESS OTHERWISE NOTED.
- 9. ALL SECONDARY ELECTRICAL EQUIPMENT AND CONNECTIONS SHALL BE UNDERWRITER'S LABORATORY (UL) LISTED AND LABELED FOR THEIR INTENDED USE.
- 10. ELECTRICAL CONDUCTORS SHALL BE TYPE THWN-2 OR APPROVED EQUAL EXCEPT WHERE OTHERWISE NOTED.
- 11. UNDERGROUND CONDUIT SHALL BE SCHEDULE 40 PVC EXCEPT WHERE OTHERWISE NOTED. EXPOSED CONDUIT SUCH AS RISERS SHALL BE SCH 80 PVC OR RGS THAT EXTENDS A MINIMUM OF 18 INCHES BELOW GRADE.
- 12. UNDERGROUND CONDUIT SHALL HAVE 30" MINIMUM COVER AND 12" MINIMUM CLEARANCE TO OTHER UTILITIES EXCEPT WHERE OTHERWISE NOTED.
- 13. CONDUCTORS SHALL BE PROPERLY TERMINATED AND NEATLY LABELED.
- 14. SUBSURFACE UTILITIES SUCH AS GAS, WATER, SEWER, STORM, ELECTRIC, AND COMMUNICATIONS LINES ARE NOT SHOWN ON THE PLANS BUT DO EXIST IN THE PROJECT AREA. THE EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD BY POTHOLING AND BY CONTACTING THE UTILITY COMPANIES INVOLVED.
- 15. UTILITIES CAN BE LOCATED BY CALLING THE TENNESSEE ONE CALL SYSTEM, AT 1-800-351-1111.
- 16. PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD THE EXISTING UTILITIES FROM DAMAGE DURING THE CONSTRUCTION OF THIS PROJECT. FURNISH ANY SPECIAL EQUIPMENT TO WORK OVER AND AROUND THE UTILITIES AT THE CONTRACTOR'S EXPENSE.
- 17. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL CONTACT THE UTILITY OWNERS TO NOTIFY THEM OF WORK IN THE AREA AND REQUEST THEM TO PROPERLY LOCATE THEIR RESPECTIVE UTILITY. NOTIFICATION SHALL BE GIVEN AT LEAST THREE BUSINESS DAYS PRIOR TO COMMENCEMENT OF OPERATIONS AROUND THE UTILITY.
- 18. TRENCH DESIGN AND SAFETY FOR UNDERGROUND CONSTRUCTION IS SOLELY THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL CONFORM WITH ALL APPLICABLE LOCAL, STATE, AND OSHA REGULATIONS.
- 19. ADEQUATE DRAINAGE, EROSION, AND SEDIMENT CONTROL MEASURES, BEST MANAGEMENT PRACTICES, AND/OR OTHER STORMWATER MANAGEMENT FACILITIES SHALL BE PROVIDED AND MAINTAINED AT ALL TIMES DURING CONSTRUCTION. DAMAGES TO ADJACENT PROPERTY AND/OR THE CONSTRUCTION SITE CAUSED BY THE CONTRACTOR'S FAILURE TO MAINTAIN ADEQUATE DRAINAGE AND EROSION/SEDIMENT CONTROL FOR THE CONSTRUCTION AREA SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- 20. THE CONTRACTOR SHALL FURNISH & INSTALL GRASS SEED, STRAW, SOD, CONCRETE, ASPHALT, MULCH, LANDSCAPE MATERIALS, ETC. AS REQUIRED TO RESTORE THE GROUND TO ITS ORIGINAL OR BETTER CONDITION.

LEGEND:	
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PROPOSED HIGH MAST LIGHTING STANDARD EXISTING FOUNDATION TO BE RETIRED PROPOSED PULLBOX

PROPOSED STREET LIGHTING CONDUIT STREET LIGHTING CONDUIT TO BE RETIRED EXISTING STREET LIGHTING CONDUIT

CREEK/DITCH

DETAIL REF. (DETAIL NO./SHEET NO.)

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Project 301.013.035 Date 10/19/21 Scale 1"=10'	Sr	neet E	₹ 2	No.			