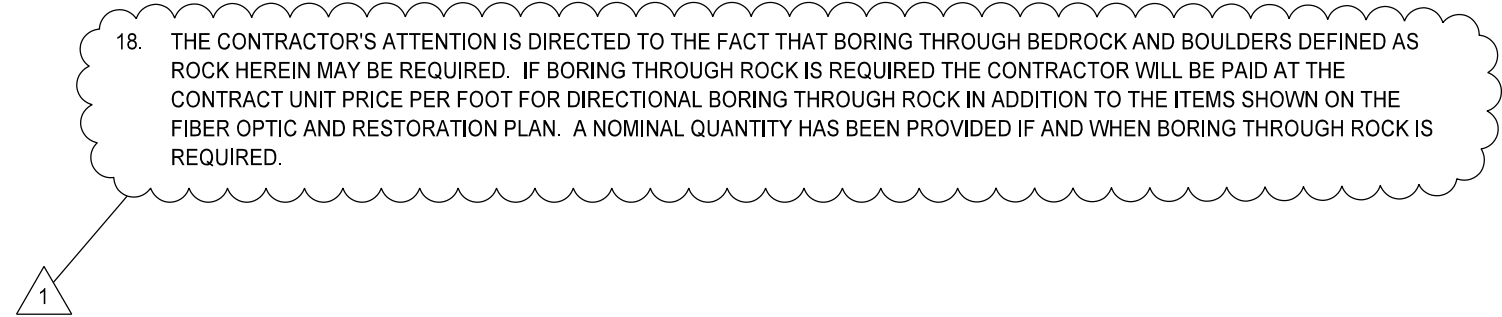


GENERAL NOTES

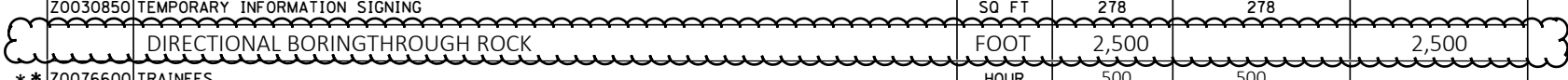
1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED UTILITIES. (48 HOUR NOTIFCATION IS REQUIRED).
2. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE CITY OF JOLIET.
3. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE, COUNTY, OR LOCAL MUNICIPAL PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
4. PRIOR TO BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD ALL EXISTING PAVEMENT, PAVEMENT MARKING, AND ROADSIDE CONDITIONS IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED DURING RESTORATION ACTIVITIES TO THEIR ORIGINAL CONDITIONS, DIMENSIONS, AND SLOPES.
5. THE CONTRACTOR SHALL VERIFY ALL EXISTING CONDITIONS AND UTILITIES IN THE FIELD PRIOR TO BEGINNING ANY WORK.
6. ALL WORK SHALL COMPLY WITH THE CURRENT EDITION OF THE NATIONAL ELECTRICAL CODE IN EFFECT AT THE BID OPENING TIME AND ALL APPLICABLE STATE AND/OR LOCAL CODES.
7. THE LAYOUT FOR THE FIBER OPTIC LINE IS A GENERAL LAYOUT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXACT LOCATION OF THE FIBER OPTIC LINE, HANDHOLES, AND OTHER EQUIPMENT PRIOR TO BEGINNING ANY CONSTRUCTION. THE LAYOUT SHALL BE SUCH THAT THE MINIMUM DISTURBANCE POSSIBLE TO THE EXISTING CONDITIONS AND EXISTING UTILITIES IS MAINTAINED. LOCATIONS OF ALL FIBER OPTIC LINES, AND UTILITY STRUCTURES SHALL BE LAYED OUT FOR APPROVAL BY THE ENGINEER. DISTURBANCE TO ANY EXISTING CONDITIONS AND EXISTING UTILITIES NOT APPROVED BY THE ENGINEER SHALL BE REPLACED IN KIND BY THE CONTRACTOR AT HIS OWN EXPENSE.
8. THE CONTRACTOR SHALL UTILIZE A DIRECTIONAL BORE METHOD FOR THE FIBER OPTIC CONDUIT INSTALLATION TO PREVENT IMPACTS TO MOTORISTS AND DISTURBANCE OF THE EXISTING CONDITIONS. OPEN CUT TRENCHES MAY BE UTILIZED IN THE RAILROAD STREET AGGREGATE SHOULDER AND IN AREAS APPROVED BY THE ENGINEER.
9. HANDHOLE AND JUNCTION BOXES SPACING SHALL BE A MAXIMUM 1,000 FEET.
10. LOCATIONS WHERE CONDUIT IS INSTALLED VIA AN OPEN TRENCH METHOD THE CONTRACTOR SHALL INSTALL WARNING TAPE IN ACCORDANCE WITH IDOT DISTRICT 1 STANDARD BE-702.
11. THE CONTROL CENTER FOR THE BRIDGES UTILITIZING THE PROPOSED FIBER OPTIC SYSTEM CONSTRUCTED IN THIS CONTRACT IS LOCATED AT 105 BRIDGE STREET, JOLIET, IL 60435.
12. THE CONTRACTOR WILL NOT BE REQUIRED TO PROVIDE AN ENGINEER'S FIELD OFFICE. IDOT WILL ASSIGN A FIELD OFFICE FOR THE ENGINEER.
13. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT A PORTION OF THE WORK WILL BE PERFORMED WITHIN WILL COUNTY RIGHT-OF-WAY ALONG BRANDON ROAD. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROCURE ALL PERMITS INCLUDING WILL COUNTY DIVISION OF TRANSPORTATION PERMITS IN ACCORDANCE WITH ARTICLE 107.04.
14. THE CONTRACTOR SHALL NOT PERFORM ANY EXCAVATION FOR BORING PITS WITHIN 10 FEET OF BRANDON ROAD. IF ANY EXCAVATION WITH A DEPTH OF MORE THAN 2 FEET ALONG BRANDON ROAD IS REQUIRED AS DETERMINED BY THE ENGINEER THE FOLLOWING REQUIREMENTS SHALL BE MET:
 - A. EXCAVATION BETWEEN 2 FEET AND 10 FEET FROM THE EDGE OF PAVEMENT THE TRENCH SHALL BE BACKFILLED WITH TRENCH BACKFILL OR CLSM.
 - B. EXCAVATION BETWEEN 0 FEET AND 2 FEET FROM THE EDGE OF PAVEMENT THE TRENCH SHALL BE BACKFILL WITH ONLY CLSM.
 THE BACKFILL SHALL BE PAID FOR AT THE CONTRACTOR'S EXPENSE. NO ADDITIONAL COMPENSATION SHALL BE PROVIDED. TRENCH BACKFILL SHALL BE IN ACCORDANCE WITH ARTICLE 208.02 AND CLSM SHALL BE IN ACCORDANCE WITH ARTICLES 593.02, 593.03, AND 593.04.
15. RESTORATION, EROSION CONTROL, AND EXPLORATION FOR CONDUIT AND FIBER OPTIC CABLE INSTALLATION SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS. EXPLORATION AND RESTORATION FOR THE DISTURBANCE CAUSED BY THE CONSTRUCTION OF HANDHOLES, JUNCTION BOXES, OTHER STRUCTURES, EROSION CONTROL, AND BORING PITS SHALL BE PERFORMED UTILIZING THE ITEMS BELOW FOR WHICH NOMINAL QUANTITIES HAVE BEEN PROVIDED. QUANTITIES PROVIDED ARE BASED ON RESTORATION FOR HANDHOLE LOCATIONS AND A SINGLE BORING PIT WHERE THE DISTANCE BETWEEN HANDHOLES IS GREATER THAN 500 FT. RESTORATION FOR AREAS DISTURBED BEYOND A 15 FT X 10 FT AREA CENTERED ON THE STRUCTURE OR DIRECTIONAL BORING PIT BEING CONSTRUCTED SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR AND WILL NOT BE PAID FOR UNLESS APPROVED BY THE ENGINEER PRIOR TO ANY EXCAVATION OR REMOVAL OF EXISTING ITEMS. THE CONTRACTOR SHALL PERFORM OPERATIONS TO MINIMIZE THE AMOUNT OF NECESSARY RESTORATION WORK.
 - 20101100, TREE TRUNK PROTECTION, EACH
 - 20101200, TREE ROOT PRUNING, EACH
 - 20101300, TREE PRUNING (1 TO 10 INCH DIAMETER), EACH
 - 20101350, TREE PRUNING (OVER 10 INCH DIAMETER), EACH
 - 20200100, EARTH EXCAVATION, CU YD
 - 20200200, ROCK EXCAVATION, CU YD
 - 20201200, REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL, CU YD
 - 20400800, FURNISHED EXCAVATION, CU YD
 - 21101505, TOPSOIL EXCAVATION AND PLACEMENT, CU YD
 - 21301048, EXPLORATION TRENCH 48" DEPTH, FOOT
 - 25200110, SODDING, SALT TOLERANT, SQ YD
 - 28000400, PERIMETER EROSION BARRIER, FOOT
 - 28000510, INLET FILTERS, EACH
 - 40601005, HOT-MIX ASPHALT REPLACEMENT OVER PATCHES, TON
 - 42001300, PROTECTIVE COAT, SQ YD
 - 42400200, PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH, SQ FT
 - 44000600, SIDEWALK REMOVAL, SQ FT
 - 44002209, HOT-MIX ASPHALT REMOVAL OVER PATCHES, 2 1/4", SQ YD
 - 44201349, CLASS C PATCHES, TYPE I, 10 INCH, SQ YD
 - 44201353, CLASS C PATCHES, TYPE II, 10 INCH, SQ YD
 - 44201357, CLASS C PATCHES, TYPE III, 10 INCH, SQ YD
 - 44201359, CLASS C PATCHES, TYPE IV, 10 INCH, SQ YD
 - 78000100, THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS, SQ FT
 - 78009000, MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS, SQ FT
 - X4400220, CURB REMOVAL AND REPLACEMENT, FOOT
16. FOR REPLACEMENT OF ANY CURB AND GUTTER, THE CONTRACTOR SHALL MATCH THE HORIZONTAL AND VERTICAL DIMENSIONS OF THE EXISTING ADJACENT CURB AND GUTTER TO PROVIDE A SMOOTH AND CONTINUOUS SECTION. THE COST OF THIS WORK SHALL BE PAID FOR AT THE UNIT PRICE FOR CURB REMOVAL AND REPLACEMENT.
17. EXISTING PAVEMENT MARKINGS INCLUDING ALL PAVEMENT MARKING LINES AND SYMBOLS REMOVED SHALL BE REINSTALLED IN THEIR ORIGINAL GEOMETRY AND DIMENSIONS AND SHALL BE PAID FOR AT THE UNIT PRICE FOR THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS OR MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS AND CONSTRUCTED IN ACCORDANCE WITH SECTION 780 OF THE STANDARD SPECIFICATIONS.
18. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT BORING THROUGH BEDROCK AND BOULDERS DEFINED AS ROCK HEREIN MAY BE REQUIRED. IF BORING THROUGH ROCK IS REQUIRED THE CONTRACTOR WILL BE PAID AT THE CONTRACT UNIT PRICE PER FOOT FOR DIRECTIONAL BORING THROUGH ROCK IN ADDITION TO THE ITEMS SHOWN ON THE FIBER OPTIC AND RESTORATION PLAN. A NOMINAL QUANTITY HAS BEEN PROVIDED IF AND WHEN BORING THROUGH ROCK IS REQUIRED.



1 REV. 01-10-2019

FILE NAME = JOLIET-SHT-GENERAL NOTES	USER NAME = JKJELMA	DESIGNED - NK	REVISED - 01-10-2019	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES FIBER OPTIC CABLE INSTALLATION			F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	PLOT SCALE = 24.0000' / in.	DRAWN - AF	REVISED -		SCALE: N/A	SHEET 1 OF 1 SHEETS	STA.	TO STA.	VAR.	2018-0021	WILL	29	3
	PLOT DATE = 1/10/2019	CHECKED - JK	REVISED -		CONTRACT NO. 62G14								
		DATE - 10/12/2018	REVISED -		ILLINOIS FED. AID PROJECT								

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				80% FED 20% STATE	
				ROADWAY 0006 URBAN	UTILITY 0043 URBAN
X0327980	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	1,334	1,334	
X1400301	FIBER OPTIC CABLE, MICRO, 96 FIBERS, SINGLE MODE	FOOT	49,324		49,324
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	4	4	
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	4	4	
X4400220	CURB REMOVAL AND REPLACEMENT	FOOT	100	100	
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1	
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	280	280	
X8100863	INTERCEPT EXISTING CONDUIT	EACH	7		7
X8101100	UNDERGROUND CONDUIT, MULTI-DUCT, 7-16MM MICRODUCTS	FOOT	18,047		18,047
Z0013798	CONSTRUCTION LAYOUT	L SUM	1		1
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	278	278	
	DIRECTIONAL BORING THROUGH ROCK	FOOT	2,500		2,500
** Z0076600	TRAINEES	HOUR	500	500	
** Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	500	



▪ SPECIALTY ITEM
** =0042

FILE NAME = JOLIET-SHT-500-03.dgn	USER NAME = JKJELMA	DESIGNED - NK	REVISED -
Default	PLOT SCALE = 2.0000' / 1in.	DRAWN - AF	REVISED -
	PLOT DATE = 10/18/2018	CHECKED - JK	REVISED -
		DATE - 10/12/2018	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES FIBER OPTIC CABLE INSTALLATION	
SCALE: N/A	SHEET 3 OF 3 SHEETS STA. TO STA.

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	2018-002I	WILL	29	6
			CONTRACT NO. 62G14	
ILLINOIS FED. AID PROJECT				