

LEGEND

ALUM	ALUMINUM
EP	EDGE OF PAVEMENT
TW SH	TWISTED SHIELDED
PWR CBL	POWER CABLE
F.O.	FIBER OPTIC
J.B.	JUNCTION BOX
GSC	GALVANIZED STEEL CONDUIT
PVCC	POLYVINYL CHLORIDE CONDUIT
FGC	FIBER GLASS CONDUIT
SMFO	SINGLE MODE FIBER OPTIC
MMFO	MULTI MODE FIBER OPTIC
	EXISTING HANDHOLE
	EXISTING DOUBLE HANDHOLE
	EXISTING CONTROLLER
	EXISTING SERVICE INSTALLATION
	EXISTING GALVANIZED STEEL CONDUIT
	EXISTING JUNCTION BOX
	EXISTING SIGN TRUSS
	EXISTING HIGHWAY LIGHTING UNIT
	EXISTING UNDERGROUND LIGHTING CABLES
	EXISTING CCTV CAMERA
	PROPOSED HANDHOLE
	PROPOSED DOUBLE HANDHOLE
	PROPOSED CONTROLLER
	PROPOSED CONDUIT: "T" TRENCH, "P" PUSH "ATS" ATTACHED TO STRUCTURE, SIZE SPECIFIED
	PROPOSED FIBER OPTIC CABLE IN EXISTING CONDUIT
	PROPOSED WIRELESS COMMUNICATION DEVICE

GENERAL NOTES

- COMM DEVICES ARE LOCATION SENSITIVE. PROPOSED EQUIPMENT LOCATIONS ARE APPROXIMATE TO ENSURE THE OPTIMUM FIELD OF VIEW. ACTUAL LOCATIONS SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR, PER THE MANUFACTURER REPRESENTATIVES' RECOMMENDATIONS AND THE ENGINEER'S APPROVAL. MR. JEFF ABEL OF IDOT BUREAU OF OPERATIONS SHALL BE CONTACTED FOR ACTUAL LOCATION VERIFICATION.
- ALL MATERIALS SUPPLIED SHALL CONFORM TO THE STANDARD SPECIFICATIONS SECTION 106 FOR CONTROL OF MATERIALS.
- UNDERGROUND CABLE MARKING TAPE SHALL BE INSTALLED WITH ALL TRENCH AND BACKFILL FOR ELECTRICAL WORK IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS ARTICLES 815.03 AND 1066.05.
- A 1/4" DIA. NYLON ROPE SHALL BE INSTALLED IN ALL CONDUIT RUNS. THE COST OF PULL ROPE SHALL BE INCLUDED IN THE PROPOSED ELECTRIC CABLE INSTALLATION AND OR FIBER OPTIC IN THAT CONDUIT.
- ALL GROUND RODS SUPPLIED FOR THIS PROJECT SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS ARTICLE 1087.01 EXCEPT THAT THEY SHALL BE 3/4" DIAMETER X 12'-0" LONG. ALL CONNECTIONS TO GROUND RODS SHALL BE MADE VIA EXOTHERMIC WELD, COMPRESSION CLAMPS WILL NOT BE ALLOWED.
- COORDINATION WITH IDOT BUREAU OF OPERATIONS IS REQUIRED BEFORE ANY WORK SHALL BE DONE TO LOCATE HIGHWAY LIGHTING/PUMP STATION ITS FACILITIES AND TO COORDINATE OTHER FIELD ACTIVITIES. WORK AT PUMP STATION SHALL BE COORDINATED WITH PETE SAWYER AT (618) 304-2082.
- BENDING RADIUS OF FIBER OPTIC CABLE SHALL NOT BE LESS THAN SIX (6) INCHES. A MINIMUM OF 20' SLACK CABLE SHALL BE INSTALLED AT EACH CONTROLLER CABINET PRIOR TO TERMINATION OF FIBER.
- NO OVERNIGHT PERMANENT LANE CLOSURES SHALL BE PERMITTED TO COMPLETE ITS RELOCATION WORK.
- CONTRACTOR SHALL SEED ALL DISTURBED GROUND AREAS WITHIN 7 DAYS OF INSTALLING CONDUIT USING CLASS 2A MIXTURE.
- ALL HANDHOLES SHALL BE CONSTRUCTED OF PORTLAND CEMENT CONCRETE (PER ARTICLE 1088.10). THE LEGEND ON THE COVER SHALL BE "ITS". SLOPE HANDHOLE TO MATCH FINAL GRADE ELEVATION. ALL UTILITIES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY ATTEMPT TO CONSTRUCT ANY COMPONENT OF THIS CONTRACT.
- ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:
 - AMEREN IP (GAS AND ELECTRIC)
 - AMEREN UE (ELECTRIC)
 - CENTER POINT ENERGY (PIPELINE)
 - CHARTER COMMUNICATIONS, INC. (CABLE TV)
 - CITY OF EAST SAINT LOUIS (SANITARY SEWER)
 - EXPLORER PIPELINE COMPANY (WATER)
 - LACLEDE PIPELINE CORP. (PIPELINE)
 - LIGHT CORE (COMMUNICATIONS)
 - MCI NETWORK SERVICES (COMMUNICATIONS)
 - MCLEOD USA TELECOMMUNICATIONS, INC. (COMMUNICATIONS)
 - MEDIACOM (CABLE TV)
 - METRO (COMMUNICATIONS)
 - LEDCOR TECHNICAL SERVICES, INC. (COMMUNICATIONS)
 - QWEST COMMUNICATIONS (COMMUNICATIONS)
 - SBC (COMMUNICATIONS)
 (MEMBER OF J.U.L.I.E. (800-892-0123) ARE INDICATED BY "*" . NON J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.)
- THE CONTRACTOR SHALL PAY SPECIAL ATTENTION TO THE STANDARD SPECIFICATIONS SECTION 107 FOR LEGAL REGULATIONS AND RESPONSIBILITY TO THE PUBLIC, IN PARTICULAR 107.01 LAWS TO BE OBSERVED AND 107.04 PERMITS AND LICENSES.
- ALL FIBER BACKBONE CONDUIT SHALL BE PLACED A MINIMUM OF 5' PER IDOT FROM EDGE OF PAVEMENT AND 3' MIN COVER OR AS INDICATED ON THE PLAN SHEETS OR PER FIELD ENGINEER'S RECOMMENDATION.
- THE CONTRACTOR SHALL BE AWARE THAT DURING EARTH WORK NECESSARY TO PERFORM INSTALLATION, SIZABLE CONCRETE DEBRIS MAY BE ENCOUNTERED AND WILL NEED TO BE BROKEN IN PLACE AND SPREAD. THE COST OF THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE OF THE INSTALLATION OF THAT PARTICULAR EQUIPMENT.
- FIELD MEASUREMENTS ARE REQUIRED TO VERIFY DIMENSIONS OF EXISTING STRUCTURES PRIOR TO ORDERING MOUNTING HARDWARE.
- THE CONTRACTOR IS TO REPLACE OR REPAIR DAILY ANY FENCE REMOVED OR DAMAGED DURING CONSTRUCTION FOR YARD SECURITY.
- THE CONTRACTOR SHALL USE THE SAME COLOR INNERDUCT INSIDE EXISTING AND PROPOSED 4" MULTIDUCT CONDUIT.
- THERE IS POTENTIAL FOR HAZARDOUS WASTE TO BE ENCOUNTERED ON THIS CONTRACT DUE TO PREVIOUS TESTING IN THE GENERAL AREA. IF ANYTHING IS ENCOUNTERED, IDOT BDE WILL INCLUDE REMOVAL PROCEDURES IN THE SPECIAL PROVISIONS.
- THE CONTRACTOR IS TO PROVIDE 40' OF FIBER OPTIC CABLE IN EVERY HANDHOLE WHERE PROPOSED FIBER OPTIC IS BEING INSTALLED.
- THIS CONTRACT WILL REQUIRE WORK IN CLOSE PROXIMITY TO SENSITIVE EXISTING EQUIPMENT. THE CONTRACTOR SHALL TAKE EXTRA CARE TO MAINTAIN AND PROTECT THIS EQUIPMENT FROM DAMAGE DURING CONSTRUCTION OPERATIONS TO ALLOW CONTINUED OPERATIONS. MAINTAINING AND PROTECTING EXISTING EQUIPMENT WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE CONTRACT.
- THE CONTRACTOR SHALL BACKFILL ALL ELECTRICAL TRENCH WITHIN IDOT BOWMAN YARD WITH FINE AGGREGATE, GRADATION FA6 PER SECTION 819.04 OF THE STANDARD SPECIFICATIONS. THE GRAVEL YARD SHALL BE CONSIDERED AN IMPROVEMENT.
- ALL REFERENCE TO "STANDARD SPECIFICATIONS" MEANS IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- PLACEMENT OF HANDHOLE INSTALLATIONS ARE TO BE FINALIZED BY ENGINEER.
- THE CONTRACTOR SHALL BACKFILL AND SEED ALL VOIDS LEFT BY THE REMOVAL OF EXISTING HANDHOLES. THE COST OF THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE OF THE HANDHOLE REMOVAL.
- FIBER OPTIC CABLE PULL TENSION WILL BE LIMITED BY PROVIDING JUNCTION BOXES OR HANDHOLES AT INTERVALS NO GREATER THAN 750 FEET.

COMMITMENTS

NONE