

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	••	•••	52	4
STA. TO STA.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
• FAI 55/70			CONTRACT# 76973	
•• DIST 8 ITS 2006-2				
••• MADISON & ST. CLAIR & CITY OF ST. LOUIS, MO				

**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
☐	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
■	PROPOSED HANDHOLE
☒	PROPOSED DOUBLE HANDHOLE
☒	PROPOSED CONTROLLER
---	PROPOSED CONDUIT: "T" TRENCH, "P" PUSH "ATS" ATTACHED TO STRUCTURE, SIZE SPECIFIED
☐	PROPOSED SERVICE INSTALLATION
⊙	PROPOSED CCTV CAMERA
⊙	PROPOSED JUNCTION BOX, SIZE SPECIFIED
⊙	PROPOSED WOOD POLE, SIZE SPECIFIED
●	PROPOSED DETECTION SYSTEM (MICROLOOPS)
●	PROPOSED LIGHT POLE, SIZE SPECIFIED
⊥	PROPOSED CHANGEABLE MESSAGE SIGN
⊙	PROPOSED VIDEO DETECTION CAMERA
⊙	PROPOSED HIGHWAY ADVISORY RADIO
⊙	PROPOSED RADAR VEHICLE DETECTOR

**GENERAL NOTES**

- CCTV 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. BRIAN SNEED OF BUREAU OF OPERATIONS SHALL BE CONTACTED FOR ACTUAL CAMERA LOCATION VERIFICATION.
  - ALL MATERIALS SUPPLIED SHALL CONFORM TO SECTION 106 OF THE STANDARD SPECIFICATIONS FOR CONTROL OF MATERIALS.
  - THE CONTROLLER CABINETS AND JUNCTION BOXES SHALL BE UNPAINTED ALUMINUM SHEET METAL UNLESS OTHERWISE SPECIFIED ON THE PLANS.
  - UNDERGROUND CABLE MARKING TAPE SHALL BE INSTALLED WITH ALL TRENCH AND BACKFILL FOR ELECTRICAL WORK IN ACCORDANCE WITH ARTICLES 815.03 AND 1066.05 OF THE STANDARD SPECIFICATIONS.
  - 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.
  - THE CONTRACTOR SHALL NOT DRILL ANY HOLES IN THE BEAMS, DECK, OR SUBSTRUCTURE OF THE BRIDGE. UNLESS OTHERWISE APPROVED BY THE ENGINEER.
  - ALL GROUND RODS SUPPLIED FOR THIS PROJECT SHALL BE IN ACCORDANCE WITH 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 THE DEPARTMENT'S BUREAU OF OPERATIONS IS REQUIRED BEFORE ANY TRENCHING SHALL BE DONE TO LOCATE HIGHWAY LIGHTING/PUMP STATION FACILITIES AND TO COORDINATE OTHER FIELD ACTIVITIES.
  - BENDING RADIUS OF FIBER OPTIC CABLE SHALL NOT EXCEED 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 ON THIS PROJECT.
  - ANY GROUND AREA THAT THE CONTRACTOR COMPACTS OR DISTURBS SHOULD BE SEEDED AT THE END OF EACH WEEK WITH CLASS 7 TEMPORARY EROSION CONTROL SEEDING W/MULCH FOR PERMANENT SEEDING US CLASS 1B LAWN MIXTURE IN EAST SAINT LOUIS CITY LIMITS OR CLASS 2A ROADSIDE MIXTURE ALONG THE INTERSTATE.
  - 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 THE VARIOUS CCTV CAMERA SYSTEMS AND VIDEO VEHICLE DETECTION SYSTEMS AND INSTALLATIONS.
  - 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.)
- MISSOURI LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO ALL UTILITIES WITHIN THE PROJECT AREA BEFORE DIGGING BY CALLING MISSOURI ONE CALL (800) 334-7483, AND NOTIFYING NON MISSOURI ONE CALL MEMBERS INDIVIDUALLY.

- A 9-1-1 ADDRESS MUST BE OBTAINED FROM THE ST. CLAIR COUNTY 9-1-1 COORDINATOR PRIOR TO OBTAINING ELECTRIC/ TELEPHONE SERVICE AT THE PROJECT LOCATIONS. THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER/TECHNICIAN A MINIMUM OF SIX WEEKS IN ADVANCE OF THE ANTICIPATED DATE THAT ELECTRIC/TELEPHONE SERVICE WILL BE REQUIRED IN ORDER THAT THE NECESSARY ADDRESS CAN BE OBTAINED. IF THERE ARE ANY QUESTIONS REGARDING THE ABOVE, CONTACT THE 9-1-1 COORDINATOR AT 618-692-6200, EXT. 5911 FOR MADISON COUNTY AND 618-277-7316 EXT. 104 FOR ST. CLAIR COUNTY
- THE CONTRACTOR SHALL PAY SPECIAL ATTENTION TO SECTION 107. LEGAL REGULATIONS AND RESPONSIBILITY TO PUBLIC OF THE STANDARD SPECIFICATIONS. IN PARTICULAR 107.01 LAWS TO BE OBSERVED AND 107.04 PERMITS AN LICENSES.
- ALL FIBER BACKBONE CONDUIT SHALL BE PLACED A MINIMUM OF 5' FROM EDGE OF PAVEMENT 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. THIS AREA IS PRIMARILY BETWEEN THE POPLAR STREET BRIDGE, THE IL 3 RAMPS AND TRENDLEY AVENUE. THE COST OF THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE OF THE INSTALLATION OF THAT PARTICULAR EQUIPMENT. REFER TO ARTICLE 202.03 OF THE STANDARD SPECIFICATION FOR CONCRETE BREAKAGE AND REBAR REMOVAL.
- FIELD MEASUREMENTS ARE REQUIRED TO VERIFIED DIMENSIONS OF EXISTING STRUCTURES PRIOR TO ORDERING MOUNTING HARDWARE.



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**SPECIFICATIONS**

FOUNDATIONS: THE CONTRACT UNIT PRICE FOR "CONCRETE FOUNDATIONS" OR "DRILLED SHAFT CONCRETE FOUNDATIONS" SHALL INCLUDE: ALL NECESSARY EXCAVATION OR DRILLING (EXCEPT IN ROCK); BACKFILLING WITH EXCAVATED MATERIAL; DISPOSAL OF SURPLUS MATERIAL; FORMWORK; AND FURNISHING AND PLACING CLASS SI CONCRETE, REINFORCEMENT BARS, CONDUIT, ANCHOR BOLTS, NUTS, WASHERS, AND GROUND RODS COMPLETE IN PLACE.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
GENERAL NOTES, LEGEND, & SPECIFICATIONS  
  
FAI 55/70  
SECTION DIST 8 ITS 2006-2  
MADISON AND ST. CLAIR COUNTY  
AND ST. LOUIS, MO  
DATE 5/23/2006

PLOT DATE = 5/23/2006  
FILE NAME = c:\projects\1061540\electrical\1061540.dgn  
PLOT SCALE = 1061540 / 1 IN.  
REFERENCE = #REF#

Rev. 1-25-06