

**TRAFFIC SURVEILLANCE GENERAL NOTES**

- THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM J.U.L.I.E.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL EXISTING IDOT ELECTRICAL FACILITIES PRIOR TO PERFORMING ANY WORK AT HIS/HER OWN EXPENSE IF REQUIRED. THE CONTRACTOR SHALL ALSO BE LIABLE FOR ANY DAMAGE TO FACILITIES RESULTING FROM INACCURATE LOCATING.
- THE CONTRACTOR MAY OBTAIN, ON REQUEST, PLANS FOR THE EXISTING ELECTRICAL FACILITIES FROM THE DEPARTMENT.
- THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR LOCATING AND PROVIDING PROTECTION FOR FACILITIES DURING ALL PHASES OF CONSTRUCTION. IF AT ANY TIME, THE FACILITIES ARE DAMAGED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE DEPARTMENT AND MAKE ALL NECESSARY ARRANGEMENTS FOR REPAIR TO THE SATISFACTION OF THE ENGINEER AT HIS/HER OWN EXPENSE.
- THE CONTACT PERSON FOR THIS CONTRACT IS JEFF GALAS, TRAFFIC SYSTEMS CENTER MANAGER, 708-524-2145. THE CONTRACTOR SHALL COORDINATE AND COOPERATE WITH THE DEPARTMENT AND THE INVOLVED PARTIES AS DIRECTED BY THE DEPARTMENT.
- THE ENGINEERING DESIGN IN THESE PLANS IS BASED UPON FIELD INVESTIGATIONS OF CURRENT CONDITIONS AND REVIEW OF EXISTING DESIGN PLANS FOR THE INTERCHANGE PROJECT. THE ACTUAL CONDITIONS MAY BE DIFFERENT THAN THOSE DEPICTED. THE CONTRACTOR SHALL VERIFY THE EXISTING FIELD CONDITIONS PRIOR TO ANY CONSTRUCTION ACTIVITIES AND CORRELATE THESE CONDITIONS WITH THE PROPOSED CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL IDENTIFY TO THE ENGINEER ANY SIGNIFICANT DIFFERENCES BETWEEN THESE PLANS AND THE EXISTING FIELD CONDITIONS THAT COULD IMPACT HIS/HER EFFORTS PRIOR TO BEGINNING WORK. CORRECTIVE ACTIONS FOR PROBLEMS ENCOUNTERED AFTER THE CONTRACTOR HAS BEGUN WORK SHALL BE INCLUDED IN THE COST OF THE UNLESS WORK PREVIOUSLY IDENTIFIED TO THE ENGINEER.
- ALL ELECTRICAL WORK SHALL CONFORM TO THE NATIONAL ELECTRIC CODE (NEC).
- THE CONTRACTOR SHALL BE AWARE THAT TEST SOIL BORINGS WERE NOT MADE AT ALL LOCATIONS WHERE SURVEILLANCE ELEMENTS OR RELATED EQUIPMENT ARE TO BE INSTALLED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR EXAMINING THE SITE CONDITIONS AT THESE LOCATIONS BEFORE THE START OF CONSTRUCTION OPERATIONS.
- WHENEVER CONDUITS (INCLUDING SPARES) ARE INSTALLED FOR FIBER OPTIC OR ELECTRICAL POWER CABLE, A POLYETHYLENE PULL ROPE WITH DETECTABLE METALLIC CONDUCTOR SHALL BE INSTALLED WITH THE CONDUIT. PULL ROPE SHALL BE INCLUDED IN THE COST OF THE ASSOCIATED CONDUIT PAY ITEM.
- THE QUANTITIES OF RACEWAYS WHERE INDICATED IN THE PLANS ARE APPROXIMATIONS ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL LENGTHS AND SHALL INSTALL RACEWAYS IN COMPLETE COMPLIANCE WITH THE SPECIFIED REQUIREMENTS.
- EXACT FIELD LOCATIONS OF SURVEILLANCE ITEMS SHALL BE AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL TAKE CARE NOT TO INSTALL SURVEILLANCE ITEMS IN DRAINAGE AREAS.
- ANY GROUND AREAS DISTURBED DURING THE INSTALLATION OF SURVEILLANCE FIELD DEVICES SHALL BE RE GRADED AND SEEDED TO THE SATISFACTION OF THE ENGINEER. THE COST SHALL BE INCLUDED IN THE ASSOCIATED SURVEILLANCE PAY ITEMS.
- THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS, CONSTRUCTION METHODOLOGIES, PRODUCT MANUFACTURER SPECIFICATIONS, OWNERS MANUALS, AND USER MANUALS BEFORE PROCURING AND INSTALLING SURVEILLANCE ITEMS AS PART OF THIS CONTRACT. ALL PROPOSED SURVEILLANCE WORK SHALL BE REVIEWED AND APPROVED BY THE DEPARTMENT IN CONSULTATION WITH THE DESIGN ENGINEER.
- NO WORK SHALL BE CONDUCTED BY THE CONTRACTOR ON ANY EXISTING STREET LIGHTING AND SURVEILLANCE CONDUIT, POLES, OR CONTROLLER CABINETS UNDER THE JURISDICTION OF THE DEPARTMENT WITHOUT FIRST NOTIFYING THE DEPARTMENT 72 HOURS BEFORE COMMENCING WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ABIDING BY THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND ALL APPLICABLE TRAFFIC CONTROL RULES AND REGULATIONS ACCORDING TO SECTION 701 OF THE STANDARD SPECIFICATIONS. THE CONTRACTOR MAY BE REQUIRED TO INSTALL ADDITIONAL SIGNS AND APPURTENANCES TO MAINTAIN SAFE CONDITIONS IN THE WORK ZONE AT ALL TIMES AS DIRECTED BY THE ENGINEER AT NO ADDITIONAL COST TO THE DEPARTMENT.
- A QUANTITY OF TRENCH BACKFILL FOR ELECTRICAL WORK HAS BEEN PROVIDED FOR THE REMOVAL OF THE EXISTING REINFORCED CONCRETE DUCT BANK ALONG THE MEDIAN OF I-57.
- THE PROPOSED FIBER OPTIC TRUNK SHALL BE INSTALLED AND ACTIVATED PRIOR TO THE START OF STAGE 3 CONSTRUCTION.

**SUMMARY OF TRAFFIC SURVEILLANCE QUANTITIES**

PAY ITEM NO.	DESCRIPTION	UNIT	QUANTITY
81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	242
81000800	CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	87
81001000	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	1620
81013000	CONDUIT IN TRENCH, 4" DIA., PVC	FOOT	870
81025600	CONDUIT ENCASED, REINFORCED CONCRETE, 4" DIA., PVC 2 WIDE X 1 HIGH	FOOT	7764
81025700	CONDUIT ENCASED, REINFORCED CONCRETE, 4" DIA., PVC 3 WIDE X 1 HIGH	FOOT	1577
81101000	CONDUIT ATTACHED TO STRUCTURE, 4" DIA., GALVANIZED STEEL	FOOT	878
81101005	CONDUIT ATTACHED TO STRUCTURE, 4" DIA., PVC COATED GALVANIZED STEEL	FOOT	672
81200230	CONDUIT EMBEDDED IN STRUCTURE, 2" DIA., PVC	FOOT	1232
81200270	CONDUIT EMBEDDED IN STRUCTURE, 4" DIA., PVC	FOOT	7596
81304200	JUNCTION BOX EMBEDDED IN STRUCTURE 12" X 12" X 8"	EACH	8
81300810	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 12" X 8"	EACH	3
81400200	HEAVY-DUTY HANDHOLE	EACH	29
81700335	ELECTRIC CABLE IN CONDUIT, 600V (EPR-TYPE USE) 3-1/C NO. 6	FOOT	2551
81800330	AERIAL CABLE, 3-1/C NO. 6 WITH MESSENGER WIRE	FOOT	1116
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	28285
87200400	SPAN WIRE	FOOT	30198
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1697
87800200	CONCRETE FOUNDATION, TYPE D	FOOT	6
87900200	DRILL EXISTING HANDHOLE	EACH	9
89502380	REMOVE EXISTING HANDHOLE	EACH	17
	CONDUIT IN TRENCH, 1" DIA., COILABLE NONMETALLIC CONDUIT, SPECIAL	FOOT	99
	ELECTRIC CABLE NO. 19, 25 PAIR	FOOT	23303
	JUNCTION BOX, POLE OR POST MOUNTED	EACH	6
	REINFORCED CONCRETE DUCT BANK REMOVAL	FOOT	9851
X0301576	COAXIAL CABLE IN CONDUIT	FOOT	1899
X0322247	MAINTENANCE OF EXISTING TRAFFIC SURVEILLANCE	L SUM	1
X0322441	DIGITAL LOOP DETECTOR SENSOR UNIT (4 CHANNEL)	EACH	1
X0322442	TONE EQUIPMENT - 3 FREQUENCY RECEIVER PROGRAMMABLE	EACH	4
X0322443	TONE EQUIPMENT - 3 FREQUENCY TRANSMITTER PROGRAMMABLE	EACH	4
X0322925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	318
X0323670	PREFORMED DETECTOR LOOP	FOOT	387
X0324866	REMOVE AND REINSTALL SURVEILLANCE CABINET	EACH	1
X0326133	TEMPORARY WOOD POLE, 45 FEET, CLASS 5	EACH	44
X0326502	FIBER OPTIC SPLICE	EACH	28
X0326836	REMOVE AND REINSTALL VIDEO CAMERA AND EQUIPMENT	EACH	2
X8710027	FIBER OPTIC CABLE 4 FIBERS, SINGLE MODE	FOOT	681
X8710035	FIBER OPTIC CABLE 96 FIBERS, SINGLE MODE	FOOT	41443

**LEGEND**

- EXISTING TRAFFIC CONTROL SURVEILLANCE CONDUIT AND CABLING
- EXISTING TRAFFIC CONTROL SURVEILLANCE APPURTENANCES
- REMOVAL OF EXISTING SURVEILLANCE ITEMS
- AERIAL CABLING - SEE PLAN AND WIRING DIAGRAM SHEETS FOR DETAILS
- TEMPORARY WOOD POLE, 45 FEET, CLASS 5
- PROPOSED JUNCTION BOX - SEE PLANS FOR TYPE SPECIFIED
- PROPOSED HEAVY-DUTY HANDHOLE
- PROPOSED PREFORMED DETECTOR LOOP
- PROPOSED CONDUIT - SEE PLANS FOR TYPE AND DETAILS
- RELOCATED EXISTING CONTROLLER- SEE PLANS FOR DETAILS
- REINSTALLED EXISTING SURVEILLANCE CAMERA - SEE PLANS FOR LOCATION
- A.T.S. CONDUIT ATTACHED TO STRUCTURE
- E.I.S. CONDUIT EMBEDDED IN STRUCTURE
- O/S OFFSET
- SS STAINLESS STEEL
- (E) EXISTING

**IDOT STATE STANDARDS**

- 814001: HANDHOLES
- 886001: DETECTOR LOOP INSTALLATIONS

**IDOT DISTRICT 1 STANDARDS**

- BD-27: CONCRETE BARRIER TRANSITION & DETAILS, CONCRETE BARRIER BASE
- BE-703: MISCELLANEOUS ELECTRICAL DETAILS, SHEET B J BOX EMBEDDED IN BARRIER WALL - INSTALLATION OF CONDUIT IN BRIDGE PARAPET EXPANSION JOINT - ELECTRIC CONNECTION TO UNDERPASS LIGHTING
- TS-03: HANDHOLE TO INTERCEPT EXISTING CONDUIT

**IDOT TRAFFIC SYSTEMS CENTER STANDARDS**

- TSC: LOOP STATUS REPORT
- TSC: PREFORMED LOOP - TYPICAL INSTALLATION - NEW CONCRETE PAVEMENT

TYLIN INTERNATIONAL	USER NAME =	DESIGNED - JDF	REVISED - 4/29/2010	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-57 AT I-294 INTERCHANGE PROJECT TRAFFIC SURVEILLANCE GENERAL NOTES, LEGEND, AND QUANTITIES	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	DRAWN - CAC	REVISED -			57	1414.2B	COOK	516	216
	PLOT DATE =	CHECKED - DAJ	REVISED -	SCALE: NONE	SHEET NO. 1 OF 1 SHEET	STA.	TO STA.	CONTRACT NO. 60J27		
DATE - 3/18/2010		REVISED -		FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT		

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