FOR INDEX OF SHEETS, SEE SHEET NO. 2 FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 3

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

SIGNAL MODIFICATIONS FAP 873 (IL 149) **SECTION** (28-5)TS-3 FRANKLIN COUNTY C-99-001-07

APPROACH

IL 149 AND I-57 NB RAMPS

16,600

ADT (2007)

PROJECT LOCATION

DEERING FAP (873) IL 149 & I-57 NB RAMPS IN WEST FRANKFORT WEST FRANKFORT POP 8,526

CONTRACT NO. 98986 COUNTY: FRANKLIN

DENNING TOWNSHIP

SECTION: (28-5)TS-3

FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION

1-800-892-0123 or www.julie1call.com

ROUTE: FAP 873 (IL 149/I-57 NB RAMPS INTERSECTION)

D-99-001-07 LOCATION OF SECTION INDICATED THUS: -

RTE. SECTION

COUNTY TOTAL SHEETS

PROJECT LOCATION INTERSECTION OF IL 149 AND THE NORTHBOUND RAMPS OF 1-57

> STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

F.A.P. RTE.	SECTION	COUNTY	TOTAL	SHEET NO.
873	(28-5)TS-3	FRANKLIN	6	2

GENERAL NOTES

THE FURNISHING AND INSTALLATION OF THE 1 1/2" CONDUIT WITH ITS TRENCHING AND BACKFILL FROM THE LOOP SAWCUT TO THE SPLICE POINT SHALL BE INCLUDED IN THE LOOP INSTALLATION UNLESS SHOWN OTHERWISE ON THE PLANS.

THE INDUCTION LOOP WIRE AND LEAD-IN WIRE SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATION.

SHIELDED CABLE TO LOOP LEADS SHALL BE GROUNDED AT THE CONTROLLER TERMINAL ONLY

ALL DETECTOR LOOP CORNERS SHALL BE CORE DRILLED 2 IN. MINIMUM DIAMETER,

SAWED SLOTS FOR TWISTED PAIR ELECTRIC CABLES SHALL BE LARGER THAN SINGLE CONDUCTOR LOOP SLOTS.

WHILE SIGNAL HEADS ARE MOUNTED IN PLACE, BUT NOT YET IN OPERATION, THEY SHALL BE SECURELY COVERED WITH WHITE PLASTIC.

EXISTING SURFACE DISTURBED DURING EXCAVATION FOR FOUNDATIONS AND PUSH PITS SHALL BE RESTORED TO THE LIMITS AND CONDITIONS SPECIFIED BY THE ENGINEER OR AS SHOWN ON THE PLANS. UNLESS OTHERWISE NOTED ON THE PLANS THE REMOVAL AND RESTORATION SHALL BE INCLUDED IN THE CONTRACT.

CABLE QUANTITIES ARE MEASURED IN PLAN VIEW.

THE FINAL LOCATION OF THE DETECTOR LOOPS, AND TRAFFIC SIGNAL FOUNDATIONS AS SHOWN ON THE PLANS, MAY BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER OF TRAFFIC OPERATIONS.

THE CONTRACTOR SHALL NOTIFY THE IDOT ENGINEER OF TRAFFIC OPERATIONS 72 HOURS PRIOR TO THE SHUT-DOWN OR CUTTING OF EXISTING DETECTOR LOOPS.

THE NEW LOOP SHALL ENTER THE HANDHOLE THROUGH THE EXISTING LOOP CONDUIT IN THE CURB AND GUTTER

RELOCATED TRAFFIC SIGNAL POSTS WILL BE LOCATED NO CLOSER THAN 4 FT. FROM THE FACE OF CURB TO CENTER OF POST.

INDEX OF SHEETS

HI NO	DESCRIPTION	
1	COVER SHEET	
2	GENERAL NOTES, INDEX OF SHEETS, STANDARDS	
3	SUMMARY OF QUANTITIES	
4	TRAFFIC SIGNAL PLAN - NB I-57 RAMPS AND IL 149	
5	DETAILS: WIRING DIAGRAM ~ NB I-57 RAMPS AND IL 149	J
6 .	DETAILS: DETECTOR LOOPS	

STANDARDS

000001-04	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
701001 -01	OFF-ROAD OPERATIONS 2L, 2W, MORE THAN 15' AWAY"
701006-02	OFF-ROAD OPERATIONS 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701101-01	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT ED
701106-01	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15 ' AWAY
701701-04	URBAN LANE CLOSURE, MULTILANE INTERSECTION
702001~06	TRAFFIC CONTROL DEVICES
813001-01	JUNCTION BOXES
814001 -01	CONCRETE HANDHOLES
857001	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
878001-0 5	CONCRETE FOUNDATION DETAILS
880006	TRAFFIC SIGNAL MOUNTING DETAILS
886001	DETECTOR LOOP INSTALLATIONS
886006	TYPICAL LAYOUT FOR DETECTION LOOPS

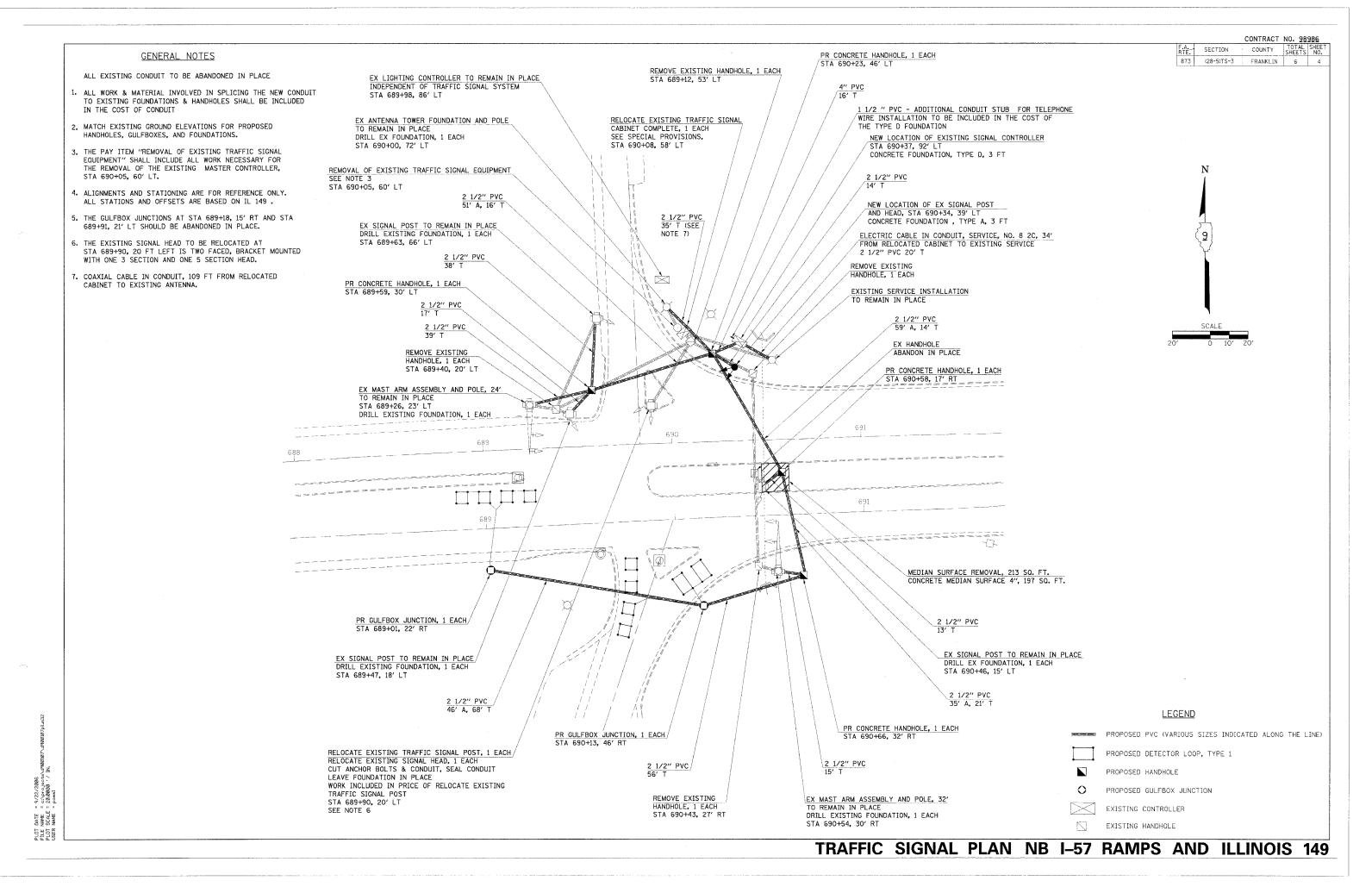
Prepared By: OISPIECT SPORES & PLANS ENGINEER
Examined By: A PLANS ENGINEER
Examined By: DISTIECT LAND ACCUSTOMENT DICHNEER
Examined By: DISTIECT OFFER LONG BUSINEER
Examined By: DISTIECT BUSINEER
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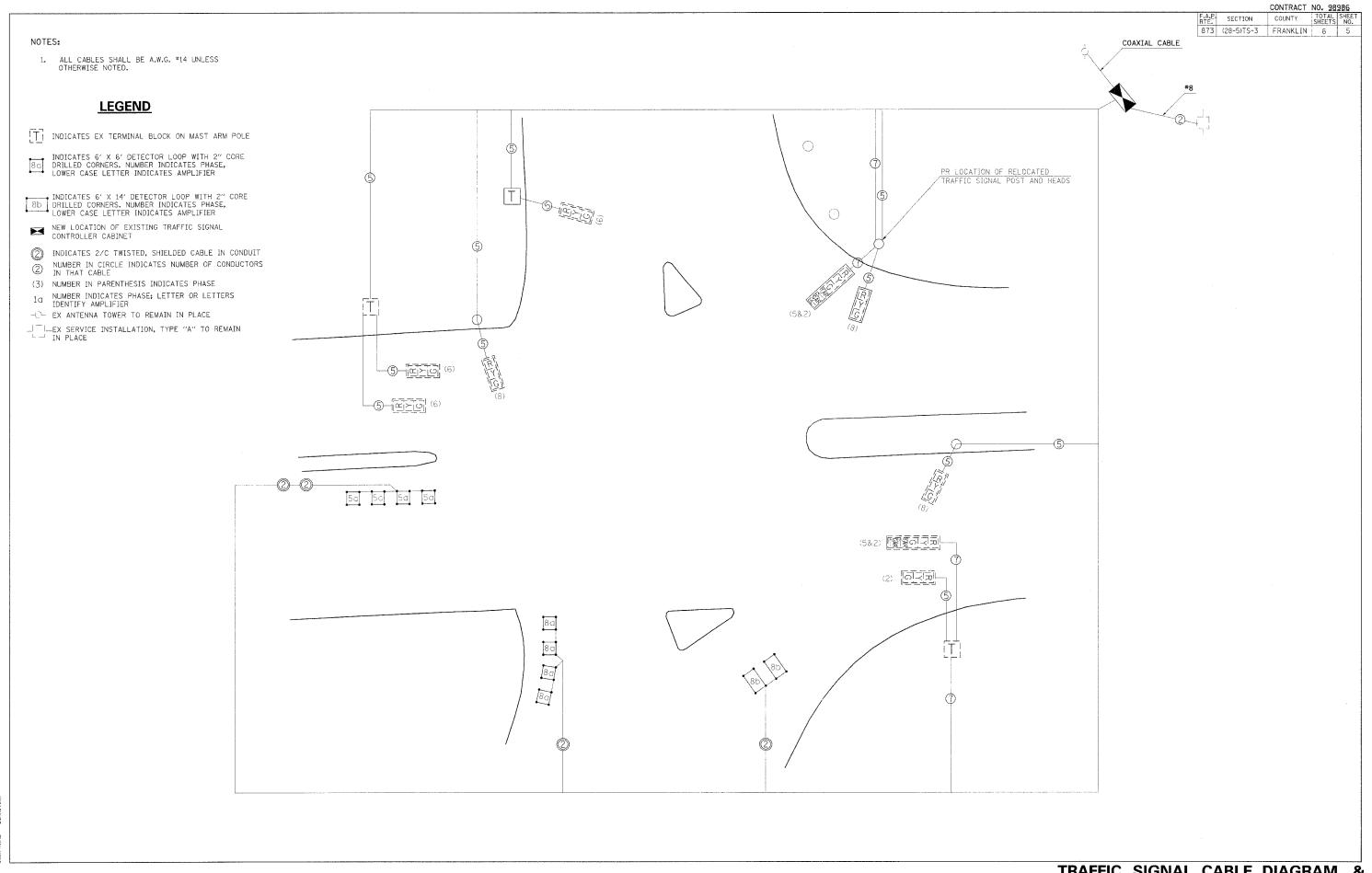
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
873	(28-5)TS-3	FRANKLIN	6	3

SUMMARY OF QUANTITIES

	SUMMARY OF QUANTITIES	URBAN CONSTRUCTION TYPE CODE Y031-F		
		100 % STATE		
CODE NUMBER	ITEM	UNIT	TOTAL QUANTITIES	
44002020	F CONCRETE MEDIAN SURFACE REMOVAL	SQ FT	213	
60618300	CONCRETE MEDIAN SURFACE 4"	SQ FT	197	
67100100	MOBILIZATION	L SUM	1	
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	
80300100	LOCATING UNDERGROUND CABLE	FOOT	60	
81012700	CONDUIT IN TRENCH, 2 1/2" DIA., PVC	FOOT	366	
81013000	CONDUIT IN TRENCH, 4" DIA., PVC	FOOT	16	
81021560	CONDUIT, AUGERED, 2 1/2" DIA., PVC	FOOT	191	
81400100	HANDHOLE	EACH	4	
81500100	CULFBOX JUNCTION	EACH	2	
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	382	
85700648	FULL-ACTUATED CONTROLLER, STANDARD SEQUENCE IV, 8 PHASES	EACH	1	
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5/C	FOOT	688	
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7/C	FOOT	326	
87301305	ELECTRIC CABLE IN CONDUIT, LEAD IN, NO. 14 1 PAIR	FOOT	1131	
87301855	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 8 2C	FOOT	34	
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	3	
87800200	CONCRETE FOUNDATION, TYPE D	FOOT	3	
87900100	DRILL EXISTING FOUNDATION	EACH	6	
88500100	INDUCTIVE LOOP DETECTOR	EACH	3	
88600100	DETECTOR LOOP, TYPE I	FOOT	428	
89500100	RELOCATE EXISTING SIGNAL HEAD	EACH	1	
89501150	RELOCATE EXISTING TRAFFIC SIGNAL POST	EACH	1	
89502380	REMOVE EXISTING HANDHOLE	EACH	4	
X0301576	COAXIAL CABLE IN CONDUIT	FOOT	109	
X0962500	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	L SUM	1	
XX004683	RELOCATE EXISTING TRAFFIC CONTROLLER COMPLETE	EACH	1	

* SPECIALTY ITEMS





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TRAFFIC SIGNAL CABLE DIAGRAM & WIRING DIAGRAM FOR ROADWAY LIGHTING

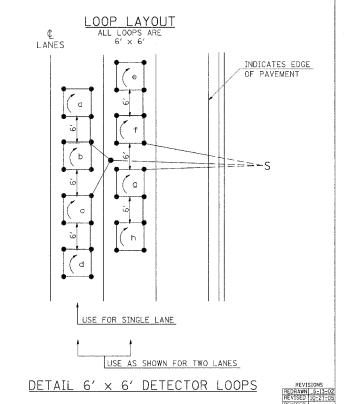
<u>NOTES</u>

(APPLIES TO 6' x 6' LOOPS ONLY)

- 1. THE DETECTOR LOOPS SHALL BE TYPE I. EACH DETECTOR LOOP SHALL HAVE 3 TURNS OF LOOP WIRE AND BE INSTALLED IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 886 OF THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS.
- BEGINNING LEAD WIRES SHALL BE CONNECTED TO THE BLACK LEAD AND THE ENDING LEAD WIRES SHALL BE CONNECTED TO THE WHITE LEAD OF THE TWIN TWISTED FEED CABLES AT THE SPLICE POINT.
- 3. WHERE THE LOOPS ARE INSTALLED PRIOR TO RESURFACING, THE LOOP CORNERS SHALL BE DIAGONALLY CUT.

LOOP LEGEND

- CLOCKWISE ROTATION FOR LOOP WIRES
- S INDICATES SPLICE POINT FOR DETECTOR LOOP LEAD
- INDICATES 2" CORE-DRILL



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