#### **INDEX OF SHEETS**

COVER SHEET

GENERAL NOTES
SUMMARY OF QUANTITIES
TRAFFIC SIGNAL PLAN

RUMBLE STRIP PLAN

#### **HIGHWAY STANDARDS**

000001-05 Standard Symbols, Abbreviations, and Patterns
642001 Shoulder Rumble Strips
701001-01 Off-Road Operations, 2L, 2W, More Than 4.5m (15') Away
701006-02 Off-Road Operations, 2L, 2W, 4.5m (15') to 600mm (24") From Pavement Edge
701201-02 Lane Closure, 2L, 2W, Day Only, for Speeds > 45 MPH
701301-02 Lane Closure, 2L, 2W, Short Time Operations
701901 Traffic Control Dayloss Traffic Control Devices
Electrical Service Installation Details 814001-01 Handholes 873001-01 Traffic Signal Grounding & Bonding 880001 Span Wire Mounted Signals and Flashing Beacon Installation

MICROFILMED
REEL NUMBER
AWARDED
RESIDENT ENGINEER
AS BUILT CHANGES WERE MADE
ON THE FOLLOWING SHEETS

DISTRICT 3 NO. (815) 434-6131 PROJECT ENGINEER: TOM HUFNAGEL **UNIT CHIEF: DAN DEVINE** 

J.U.L.I.E.

JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION 1-800-892-0123

ILLINOIS

# STATE OF ILLINOIS

# DEPARTMENT OF TRANSPORTATION

**DIVISION OF HIGHWAYS** 

# **PROPOSED HIGHWAY PLANS**

**FAP 649 (IL 17)** SECTION 28 N & I LIVINGSTON COUNTY C-93-105-08 PROJECT HSIP- 0649(015)

> FLASHING BEACON REPLACEMENT IL 17 AND IL 170



**SPOT IMPROVEMENT** 



D-93-070-08



SECTION

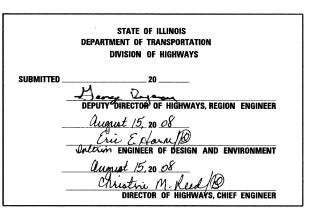
28 N & I

CONTRACT NO. 66831

COUNTY

LIVINGSTON 6

OTHER PRINCIPAL ARTERIAL FAP 649 (IL 17) ADT = 2.350 (2007)



PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

**CONTRACT NO. 66831** 

# COMMITMENTS

ONE

THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE PRESENCE OF DEPARTMENT-OWNED UNDERGROUND ELECTRICAL CABLE WITHIN THE LIMITS OF THE PROPOSED IMPROVEMENTS. THE CONTRACTOR SHALL REQUEST THE ILLINOIS DEPARTMENT OF TRANSPORTATION IN OTTAWA (815-434-8417) TO LOCATE THE UNDERGROUND FACILITIES, PROVIDING MINIMUM OF 72 HOURS NOTICE. THE DEPARTMENT IS NOT A MEMBER THE JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS (JULIE) SYSTEM.	
ALL DAMAGE TO DEPARTMENT OWNED UNDERGROUND FACILITIES,	

- 2. ALL DAMAGE TO DEPARTMENT OWNED UNDERGROUND FACILITIES, CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF THE DEPARTMENT AT THE CONTRACTOR'S EXPENSE. THIS SHALL INCLUDE ALL TEMPORARY REPAIRS REQUIRED TO KEEP THE FACILITY OPERATIONAL WHILE MATERIAL IS BEING OBTAINED TO MAKE PERMANENT REPAIRS. SPLICING OF ELECTRIC CABLE SHALL NOT BE ALLOWED. ELECTRIC CABLE SHALL BE REPLACED FROM POLE TO POLE OR CONTROLLER.
- 3. MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE: COM ED, MEDIACOM, NICOR GAS

GENERAL NOTES

- 4. ALL TRAFFIC SIGNAL HEADS SHALL BE 12" UNLESS OTHERWISE NOTED.
- ALL CONDUIT IN TRENCH SHALL BE P.V.C. ALL CONDUIT PUSHED MAY BE GALVANIZED STEEL OR P.V.C. CONDUIT ATTACHED TO STRUCTURES SHALL BE GALVANIZED STEEL.
- A 1/4" DIAMETER CONTINUOUS NYLON ROPE SHALL BE FURNISHED AND LEFT IN PLACE IN ALL CONDUITS BETWEEN HANDHOLES AND FOUNDATIONS OR CONTROLLER AS INCIDENTAL TO THE RESPECTIVE CONDUIT PAY ITEM.
- 7. THE CONTRACTOR SHALL ARRANGE FOR A FACTORY OR SUPPLIER REPRESENTATIVE TO BE PRESENT AT THE INTERSECTION WHEN THE SIGNAL IS TURNED ON, INCIDENTAL TO THE CONTROLLER PAY ITEM.
- 8. THE DEPARTMENT OF TRANSPORTATION (815-434-8505) SHALL BE NOTIFIED AT LEAST 72 HOURS PRIOR TO THE TURNING ON OF THE CONTROLLER UNIT.
- NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN 2 FEET MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
- 10. THE ELECTRICAL CONDUCTORS FOR ALL TRAFFIC SIGNAL HEADS SHALL BE SOLID, SOFT COPPER.
- THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF UNCOVERING OR HAND DIGGING AROUND UTILITIES, AS NECESSARY, INCIDENTAL TO THE CONDUIT PAY ITEM.
- ALL THREADS OF BOLTS USED IN TRAFFIC COMPONENT ASSEMBLIES SHALL BE COATED WITH A NON-LEAD BASED ANTI-SEIZE COMPOUND, SIMILAR TO LEAD PLATE, PRIOR TO ASSEMBLY.
- 13. BACK PLATES MUST BE POLYCARBONATE WITH A DEEP BACK FLANGE.
- 14. THE CONTRACTOR SHALL PROVIDE 3 FEET SLACK CABLE IN EACH TRAFFIC SIGNAL STRUCTURE: MAST ARM, POST, CONTROLLER. THE SLACK, WHICH IS IN ADDITION TO THE VERTICAL LENGTH OF CABLE DEFINED IN THE SPECIFICATIONS, SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR EACH CABLE.
- ALL GROUNDING MATERIALS FOR TRAFFIC SIGNAL CONCRETE FOUNDATIONS SHALL REFER TO SECTION 807 IN THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 1, 2007.
- 16. SIGNAL AND PEDESTRIAN HEADS SHALL HAVE BLACK HOUSING AND BLACK POLYCARBONATE BRACKETS.
- 17. SEEDING SHALL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION, LOCATIONS TO BE SEEDED WILL BE DETERMINED BY THE ENGINEER.
- 18. THE FINISHED EARTHWORK SHALL HAVE A VEGETATION SUSTAINING SOIL COVERING THE TOP FOUR INCHES IN AREAS TO BE SEEDED OR SODDED. THE VEGETATION SUBSTAINING SOIL REQUIRED WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF ASSOCIATED TRAFFIC SIGNAL PAY ITEMS.
- 19. ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE ASSOCIATED TRAFFIC SIGNAL PAY ITEMS.
- 20. ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS IN THESE PLANS.

STATE	OF ILLINOIS
DEPARTMENT OF	TRANSPORTATION
MOISING	OF HIGHWAYS

DISTRICT THREE

BY: Sture A. Sturlan
DISTRICT OPERATIONS ENGINEER

DATE: July 1,

Herb Junes B DISTRICT CONSTRUCTION ENGINEER

Wayne Phillips

District Materials Engineer

District Studies & Plans Engineer

REVISIONS
NAME DATE

PREPARED BY

**EXAMINED BY:** 

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL NOTES FAP 649 (IL 17) SECTION 28 N & I LIVINGSTON COUNTY

SCALE: VERT. HORIZ.

DRAWN BY NOE CHECKED BY JLS

PLOT FILE PLOT USER

## SUMMARY OF QUANTITIES

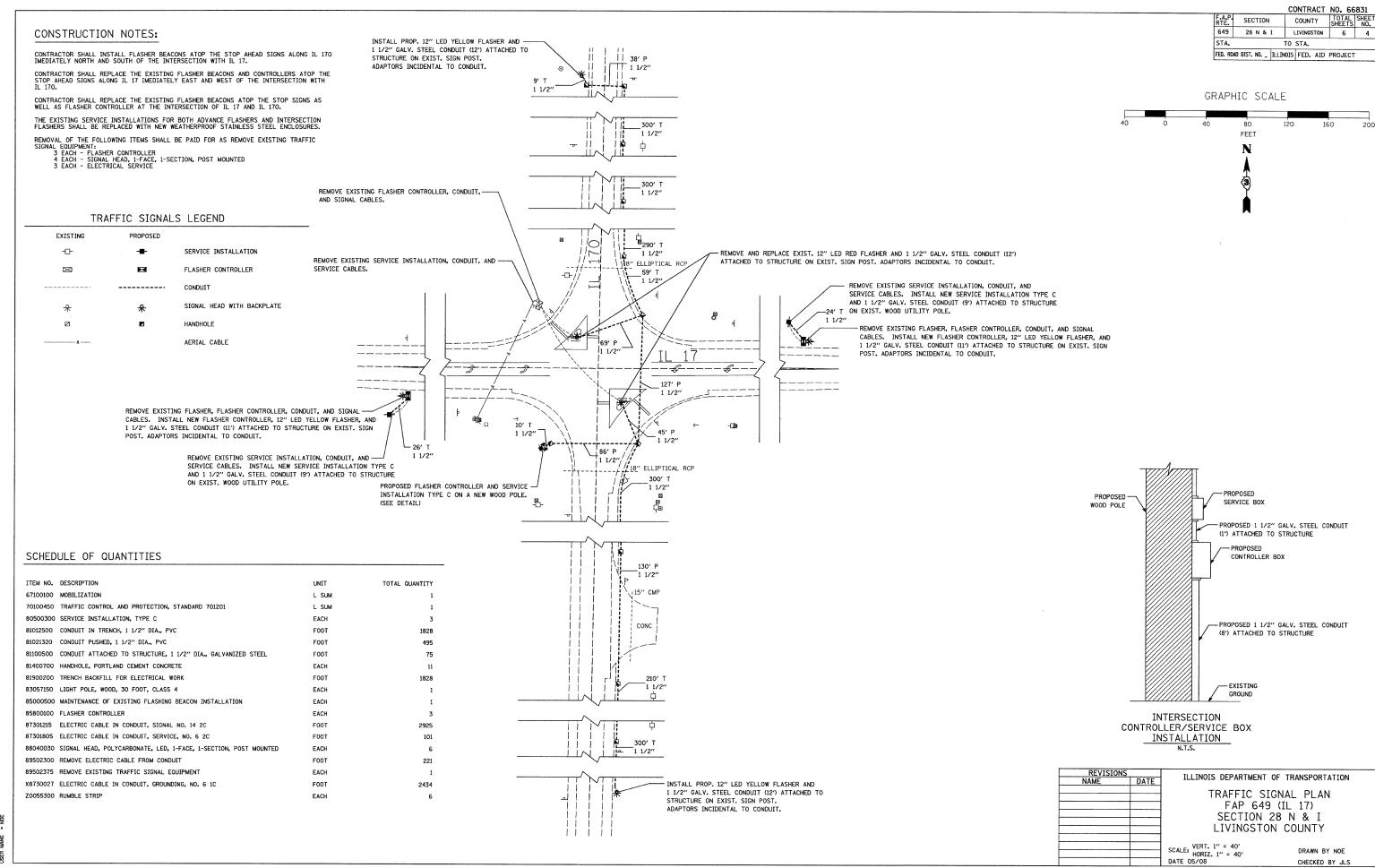
				CONSTRUCTION CODE:
ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	Y031-IF VOXSTATE)
67100100	MOBILIZATION	L SUM	1	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1
80500300	SERVICE INSTALLATION, TYPE C	EACH	3	3
81012500	CONDUIT IN TRENCH, 1 1/2" DIA., PVC	FOOT	1828	1828
81021320	CONDUIT PUSHED, 1 1/2" DIA., PVC	FOOT	495	495
81100500	CONDUIT ATTACHED TO STRUCTURE, 1 1/2" DIA., GALVANIZED STEEL	FOOT	75	75
B1400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	11	11
	_AND			· .
81900200	TRENCH BACKFILL FOR ELECTRICAL WORK	FOOT	1828	•- 1828
83057150	LIGHT POLE, WOOD, 30 FOOT, CLASS 4	EACH	1	1
B5000500	MAINTENANCE OF EXISTING FLASHING BEACON INSTALLATION	EACH	1	1
85800100	FLASHER CONTROLLER	EACH	3	3
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	2925	2925
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	101	101
88040030	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 1-SECTION, POST MOUNTED	EACH	6	6
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	221	221
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	1
x8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	F00T	2434	2434
Z0055300	RUMBLE STRIP	EACH	6	6

| CONTRACT NO. 66831 | F.A.P. | SECTION | COUNTY | TOTAL SHEET | NO. 649 | 28 N & I | LIVINGSTON | 6 | 3 | STA. | TO STA. FED. ROAD DIST. NO. \_ ILLINOIS FED. AID PROJECT

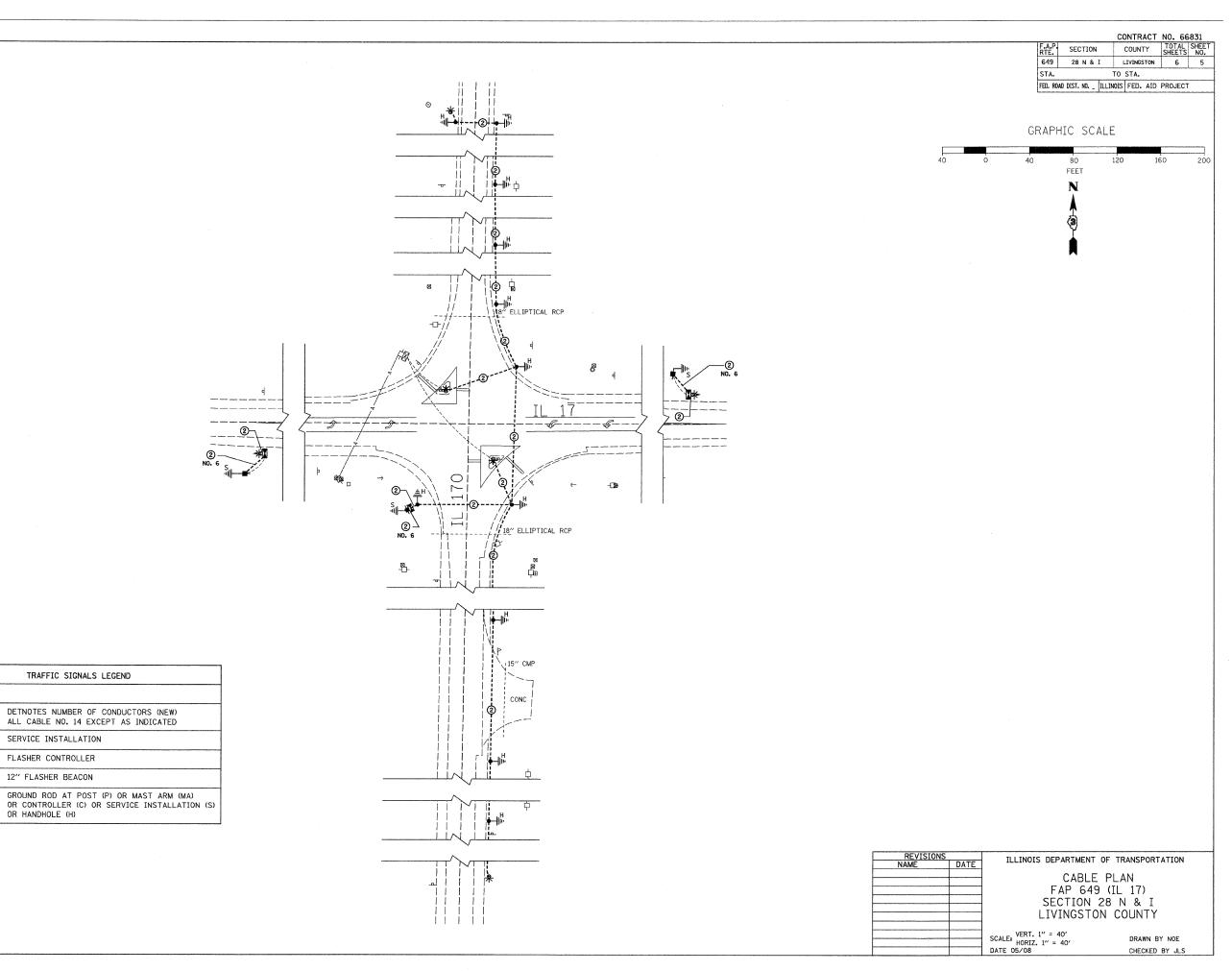
ILLINOIS DEPARTMENT OF TRANSPORTATION SUMMARY OF QUANTITIES FAP 649 (IL 17) SECTION 28 N & I LIVINGSTON COUNTY SCALE: VERT. HORIZ. DATE 05/08 DRAWN BY NOE

CHECKED BY JLS

DATE = 04/08
NAME = SOO.DGN
SCALE =



PLOT DATE = 04/08 FILE NAME = TSPLAN.DGN PLOT SCALE = 1° = 40°



TRAFFIC SIGNALS LEGEND

SERVICE INSTALLATION FLASHER CONTROLLER

12" FLASHER BEACON

EXISTING PROPOSED

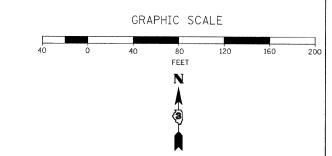
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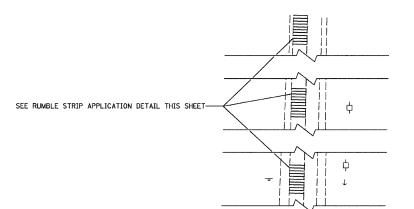
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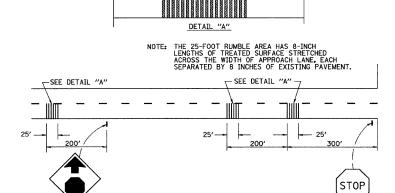
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RUMBLE STRIP APPLICATION DETAIL

### SCHEDULE OF QUANTITIES

ITEM NO. DESCRIPTION UNIT TOTAL QUANTITY
ZO055300 RUMBLE STRIPS EACH 6

APPLICATION DETAIL THIS SHEET—	<b>+</b>
	S
P dep →	18" ELLIPTICAL RCP
<u>-</u>	
_	
<u> </u>	SEE RUMBLE STRIP APPLICATION DETAIL THIS SHEET
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REVISIONS
NAME DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

RUMBLE STRIP PLAN FAP 649 (IL 17) SECTION 28 N & I LIVINGSTON COUNTY

SCALE: VERT. 1" = 40' DATE 05/08

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