

INDEX OF SHEETS 01-15-2016 LETTING ITEM 015

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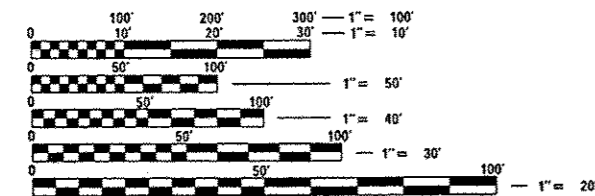
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

F.A.U. ROUTE 6405 (LINDEN ST)
SECTION 03-00221-02-RP
PROJECT HSR-6405(001)
TRAFFIC SIGNAL AND RAILROAD
INTERCONNECT MODIFICATIONS
CH 37 (LINDEN STREET) AND COLLEGE AVENUE
McLEAN COUNTY /TOWN OF NORMAL

FUNCTIONAL CLASSIFICATION

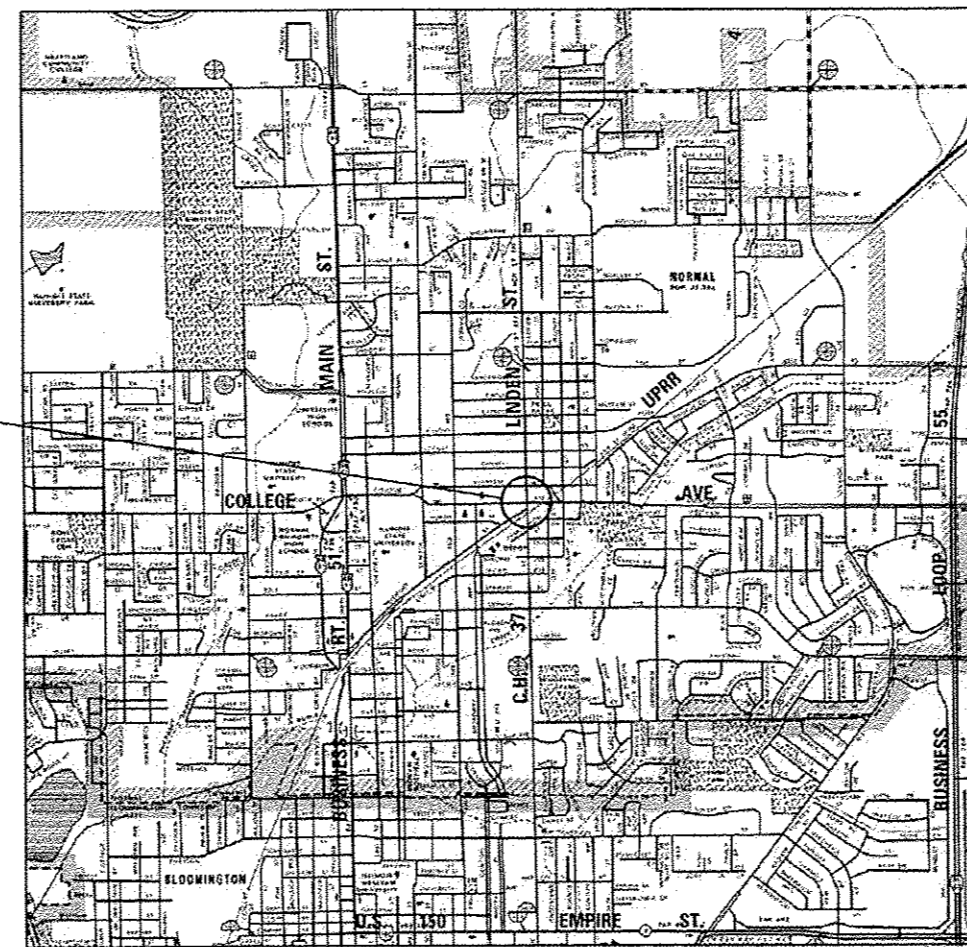
URBAN MINOR ARTERIAL
2013 ADT = 11,400
DESIGN SPEED = 40 MPH
P.V.= N/A S.U.= N/A M.U.= N/A



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.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

DISTRICT 5 NO. (217) 465-4181
PROJECT ENGINEER:
UNIT CHIEF:
TOWNSHIP: NORMAL
CONTRACT NO. 70B36



LOCATION OF PROJECT

LOCATION MAP NOT TO SCALE



LOCATION OF SECTION INDICATED THUS: - [black rectangle] -

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6405	03-00221-02-RP	McLEAN	7	1
C.H. 37 (LINDEN ST.)		ILLINOIS	CONTRACT NO. 70B36	

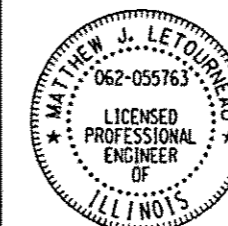
D-95-036-15 DOT# 290810P
MP 123.98

C-95-036-15

R2E

SECTION 28

SECTION 27



DATE: 08/21/2015
MATTHEW J. LETOURNEAU, P.E.
LICENSE NO.: 062-055763
EXPIRES: NOVEMBER 30, 2015

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED October 14, 2015
[Signature]
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

Dec 4 2015
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

Dec 4 2015
[Signature]
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

AECOM AECOM TECHNICAL SERVICES
303 EAST WACKER DRIVE, SUITE 1400
CHICAGO, ILLINOIS 60601
PH. 312-373-7700

3rd P.M.

HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
701011-04	OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701701-09	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-05	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-04	TRAFFIC CONTROL DEVICES
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
814001-03	HANDHOLES
814006-02	DOUBLE HANDHOLES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
857006-01	SUPERVISED RAILROAD INTERCONNECT CIRCUIT
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
878001-10	CONCRETE FOUNDATION DETAILS

GENERAL NOTES

NO WORK SHALL COMMENCE UNTIL TRAFFIC CONTROL REQUIREMENTS ARE MET. THE CONTRACTOR SHALL DEVELOP A PLAN TO ACCOMPLISH THIS WORK AND MINIMIZE DISRUPTION OF VEHICULAR, RAIL, AND PEDESTRIAN TRAFFIC. THIS PLAN SHALL BE SUBMITTED TO THE ENGINEER FOR APPROVAL.

ALL UTILITIES, SCHOOL DISTRICTS, LOCAL POLICE, AND FIRE DEPARTMENTS SHALL BE NOTIFIED BY THE CONTRACTOR A MINIMUM OF 48 HOURS PRIOR TO THE START OF CONSTRUCTION.

THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE AND MAINTAIN ACCESS TO ABUTTING PROPERTIES AT ALL TIMES DURING CONSTRUCTION OF THE PROJECT.

THE CONTRACTOR SHALL BE REQUIRED TO COMPLY WITH STATE REGULATIONS REGARDING AIR, WATER, AND NOISE POLLUTION.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL UNDERGROUND UTILITY FACILITIES. HE SHALL ALSO OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULES OF THE UTILITY COMPANIES FOR THEIR MARKING OF THE EXACT LOCATION PRIOR TO CONSTRUCTION.

BEFORE STARTING ANY WORK, THE CONTRACTOR SHALL CALL "JULIE" AT 1-800-892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES (MINIMUM 48 HOURS NOTIFICATION IS REQUIRED). THE CONTRACTOR SHALL CALL THE UNION PACIFIC "CALL BEFORE YOU DIG" OPERATION AT 1-800-336-9193 FOR FIELD LOCATIONS OF UNION PACIFIC OWNED BURIED FIBER OPTIC CABLES IN UNION PACIFIC RIGHT OF WAY.

MEMBERS OF "JULIE" KNOWN TO BE WITHIN THE VICINITY OF THE IMPROVEMENT ARE:

1. SPRINT (FO)
2. LEVEL 3 COMMUNICATIONS (FO)
3. FRONTIER COMMUNICATIONS (FO)
4. AMEREN (G) (E)
5. CENTRAL ILLINOIS REGIONAL BROADBAND NETWORK (FO)
6. NICOR (G)
7. COMCAST (FO) (A)
8. WINDSTREAM (FO)
9. TOWN OF NORMAL (W) (STORM SEWER) (SANITARY SEWER) (FO) (A)
10. CITY OF BLOOMINGTON (W)
11. STATE OF ILLINOIS CMS (FO)

NON-"JULIE" MEMBERS WITHIN THE VICINITY OF THE IMPROVEMENT ARE:

1. UNION PACIFIC RAILROAD COMPANY (U.P.R.R.)

THE CONTRACTOR SHALL COORDINATE WITH THE UPRR SIGNAL DEPARTMENT FOR ITEMS REMOVED OR INSTALLED BY THE UPRR SIGNAL DEPARTMENT.

U.P.R.R. FLAGGERS SHALL BE PRESENT WHEN WORKING WITHIN THE U.P.P.R. RIGHT-OF-WAY. THE CONTRACTOR SHALL COORDINATE DIRECTLY WITH THE U.P.P.R. TO ASSURE THAT FLAGGERS ARE PRESENT DURING CONSTRUCTION. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

FOR STABILIZATION, ALL TYPE III BARRICADES (WHERE NEEDED) SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.

SEEDING SHALL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET OR IN AN UNTILLABLE CONDITION. THE AREAS TO BE SEEDED SHALL CONSIST OF ALL DISTURBED EARTH SURFACES WITHIN THE RIGHT-OF-WAY. LOCATIONS TO BE SEEDED WILL BE DETERMINED BY THE ENGINEER.

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 "MODIFY EXISTING CONTROLLER FOUNDATION".

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUB NUMBER SHOWN IN THE LIST OF HIGHWAY STANDARDS INCLUDED ON THIS SHEET OR REFERENCED IN THESE PLANS.

THE CONTRACTOR SHALL KEEP EXISTING ADJACENT STREETS CLEAN OF DIRT, MUD, AND OTHER DEBRIS AND, WHEN NECESSARY, CLEAN SAID PAVEMENTS ON A DAILY BASIS OR WHEN DIRECTED BY THE ENGINEER. NO EXTRA COMPENSATION SHALL BE ALLOWED THE CONTRACTOR FOR THIS WORK.

THE FURNISHING, INSTALLATION, RELOCATION AND REMOVAL OF ALL TRAFFIC CONTROL SIGNS, DETOUR SIGNS, AND TRAFFIC CONTROL DEVICES SHOWN ON THE APPLICABLE IDOT TRAFFIC CONTROL STANDARDS SHALL BE PAID FOR UNDER THE PAY ITEM "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)". THE CONTRACTOR SHALL PROVIDE ANY ADDITIONAL SIGNS AS REQUIRED BY THE ENGINEER, THE COST OF WHICH WILL ALSO BE INCLUDED IN "TRAFFIC CONTROL AND PROTECTION, (SPECIAL)".

THE SCALE SHOWN ON THE DRAWINGS APPLIES ONLY TO FULL SIZE PLANS AND NOT TO THE REDUCED SIZE PLANS. REDUCED SIZED PLANS CAN BE PRINTED TO SCALE FOR USE IN THE FIELD.

WHERE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED OF ANY SECTION OR SUB-SECTION MONUMENTS. BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER OR AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.

COMMITMENTS

NONE.
JULY 17, 2015

FILE NAME: 1-10-15



USER NAME * #USER*	DESIGNED MRF	REVISED -
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PLOT DATE * #DATE*	DATE 08/21/2015	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

HIGHWAY STANDARDS, GENERAL
NOTES AND COMMITMENTS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6405	03-00221-02-RP	MCLEAN	7	2
			CONTRACT NO. 70B36	
ILLINOIS FED. AID PROJECT				

SCALE: NTS SHEET 1 OF 1 SHEETS STA. TO STA.

SUMMARY OF QUANTITIES

FAU 6405
URBAN
MCLEAN CO.
TRAFFIC
SIGNALS
100% FED

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	0021
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5"	SO. FT.	436	436
44000600	SIDEWALK REMOVAL	SO. FT.	436	436
67100100	MOBILIZATION	L SUM	1	1
* 72000100	SIGN PANEL - TYPE 1	SO FT	10	10
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	203	203
81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1	1
87301750	ELECTRIC CABLE IN CONDUIT, RAILROAD, NO. 14 3C	FOOT	396	396
87900200	DRILL EXISTING HANDHOLE	EACH	1	1
89502215	MODIFY EXISTING CONTROLLER FOUNDATION	EACH	1	1
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	396	396
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1
X8571215	RAILROAD, FULL ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1	1
X8620200	UNINTERRUPTIBLE POWER SUPPLY, SPECIAL	EACH	1	1
X8950105	REMOVE EXISTING TRAFFIC CONTROLLER AND CABINET	EACH	1	1
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1

15 * =SPECIALTY ITEM

FILE NAME = FILES



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DATE 08/21/2015	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

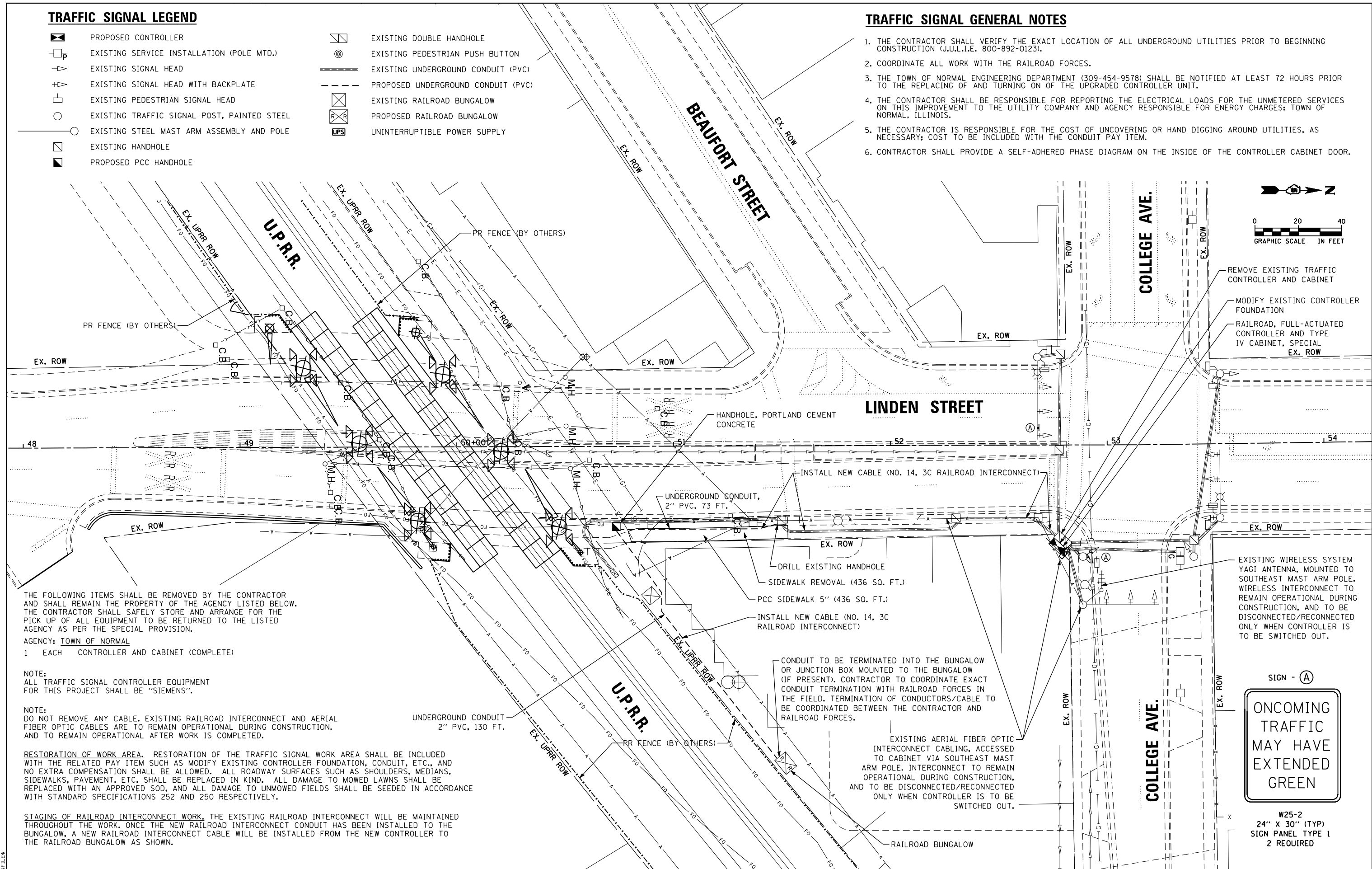
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6405	03-00221-02-RP	MCLEAN	7	3
CONTRACT NO. 70B36			ILLINOIS FED. AID PROJECT	

TRAFFIC SIGNAL LEGEND

- PROPOSED CONTROLLER
- EXISTING SERVICE INSTALLATION (POLE MTD.)
- EXISTING SIGNAL HEAD
- EXISTING SIGNAL HEAD WITH BACKPLATE
- EXISTING PEDESTRIAN SIGNAL HEAD
- EXISTING TRAFFIC SIGNAL POST, PAINTED STEEL
- EXISTING STEEL MAST ARM ASSEMBLY AND POLE
- EXISTING HANDHOLE
- PROPOSED PCC HANDHOLE
- EXISTING DOUBLE HANDHOLE
- EXISTING PEDESTRIAN PUSH BUTTON
- EXISTING UNDERGROUND CONDUIT (PVC)
- PROPOSED UNDERGROUND CONDUIT (PVC)
- EXISTING RAILROAD BUNGALOW
- PROPOSED RAILROAD BUNGALOW
- UNINTERRUPTIBLE POWER SUPPLY

TRAFFIC SIGNAL GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION (J.U.L.I.E. 800-892-0123).
2. COORDINATE ALL WORK WITH THE RAILROAD FORCES.
3. THE TOWN OF NORMAL ENGINEERING DEPARTMENT (309-454-9578) SHALL BE NOTIFIED AT LEAST 72 HOURS PRIOR TO THE REPLACING OF AND TURNING ON OF THE UPGRADED CONTROLLER UNIT.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPORTING THE ELECTRICAL LOADS FOR THE UNMETERED SERVICES ON THIS IMPROVEMENT TO THE UTILITY COMPANY AND AGENCY RESPONSIBLE FOR ENERGY CHARGES; TOWN OF NORMAL, ILLINOIS.
5. THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF UNCOVERING OR HAND DIGGING AROUND UTILITIES, AS NECESSARY; COST TO BE INCLUDED WITH THE CONDUIT PAY ITEM.
6. CONTRACTOR SHALL PROVIDE A SELF-ADHERED PHASE DIAGRAM ON THE INSIDE OF THE CONTROLLER CABINET DOOR.



THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR THE PICK UP OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY AS PER THE SPECIAL PROVISION.

AGENCY: TOWN OF NORMAL
 1 EACH CONTROLLER AND CABINET (COMPLETE)

NOTE:
 ALL TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "SIEMENS".

NOTE:
 DO NOT REMOVE ANY CABLE. EXISTING RAILROAD INTERCONNECT AND AERIAL FIBER OPTIC CABLES ARE TO REMAIN OPERATIONAL DURING CONSTRUCTION, AND TO REMAIN OPERATIONAL AFTER WORK IS COMPLETED.

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED WITH THE RELATED PAY ITEM SUCH AS MODIFY EXISTING CONTROLLER FOUNDATION, CONDUIT, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

STAGING OF RAILROAD INTERCONNECT WORK. THE EXISTING RAILROAD INTERCONNECT WILL BE MAINTAINED THROUGHOUT THE WORK. ONCE THE NEW RAILROAD INTERCONNECT CONDUIT HAS BEEN INSTALLED TO THE BUNGALOW, A NEW RAILROAD INTERCONNECT CABLE WILL BE INSTALLED FROM THE NEW CONTROLLER TO THE RAILROAD BUNGALOW AS SHOWN.

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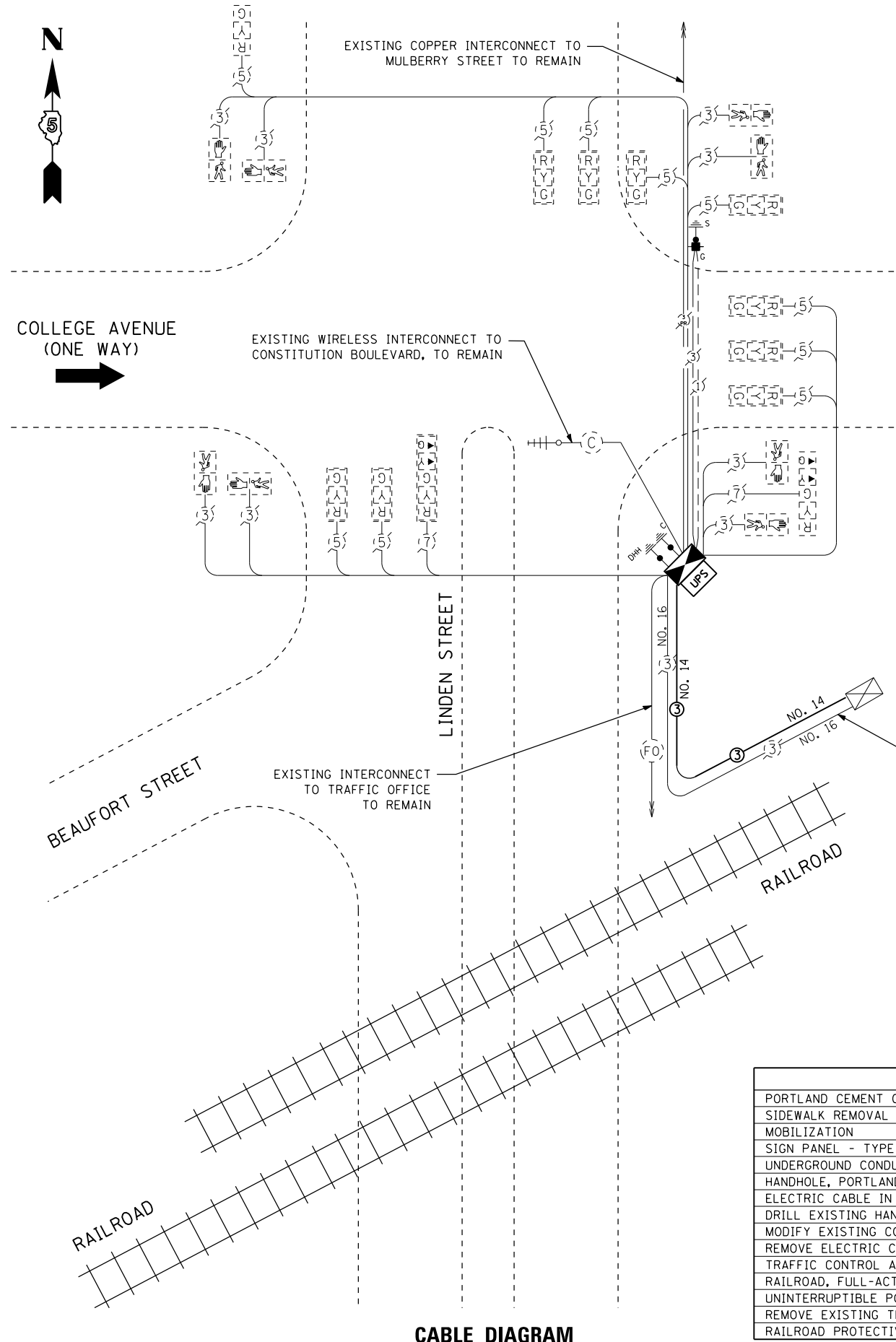


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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLAN
 LINDEN STREET AND COLLEGE AVENUE
 SCALE: 1" = 20'
 SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE. 6405	SECTION 03-00221-02-RP	COUNTY MCLEAN	TOTAL SHEETS 7	SHEET NO. 4
CONTRACT NO. 70B36			ILLINOIS FED. AID PROJECT	

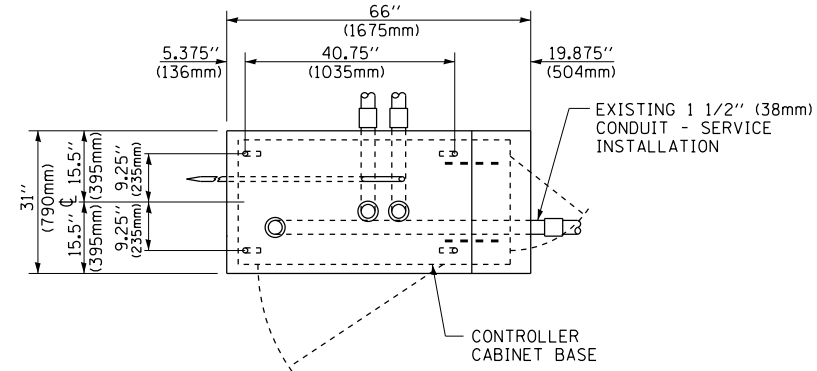


CABLE DIAGRAM

- CABLE DIAGRAM LEGEND**
- NOTE: ALL ITEMS ARE EXISTING TO REMAIN UNLESS OTHERWISE STATED.
- (5) DENOTES NUMBER OF CONDUCTORS (EXISTING) ALL CABLE NO. 14 (UNLESS OTHERWISE NOTED)
 - (S)— GROUND CABLE IN CONDUIT, NO. 6 SOLID COPPER (GREEN)
 - SERVICE INSTALLATION, GROUND MTD.
 - ⬢ UPGRADED CONTROLLER AND CABINET
 - UPS PROPOSED UNINTERRUPTIBLE POWER SUPPLY
 - ⊠ EXISTING RAILROAD CABINET
 - ⚡ GROUND ROD AT POST (P), MAST ARM (MA), CONTROLLER (C), HANDHOLE (HH), DOUBLE HANDHOLE (DHH) OR SERVICE INSTALLATION (S)
 - ⌈⌋ SIGNAL SECTION, 12"
 - ⌈⌋ WALK/DON'T WALK SECTION
 - ⌈⌋ TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC
 - ③ NO. 14 PROPOSED RAILROAD INTERCONNECT CABLE

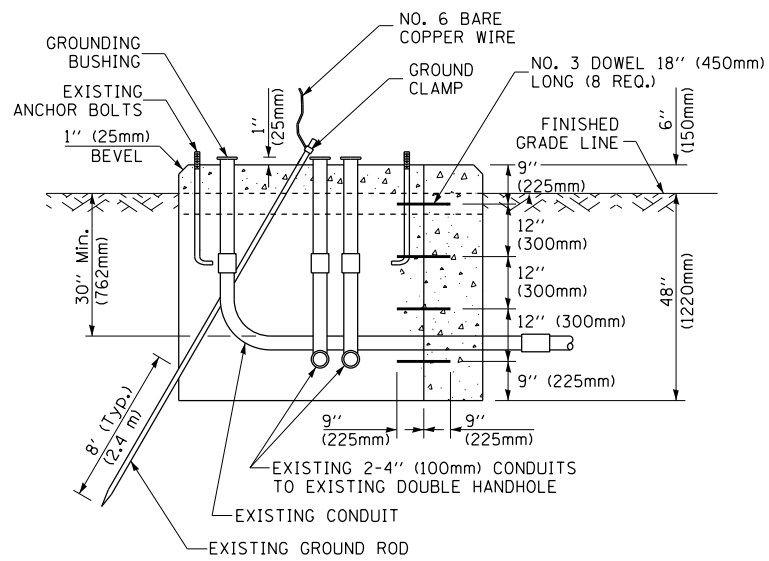
SCHEDULE OF QUANTITIES

PAY ITEM	UNITS	QNTY.
PORTLAND CEMENT CONCRETE SIDEWALK 5"	SQ FT	436
SIDEWALK REMOVAL	SQ FT	436
MOBILIZATION	L SUM	1
SIGN PANEL - TYPE 1	SQ FT	10
UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	203
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1
ELECTRIC CABLE IN CONDUIT, RAILROAD, NO 14 3C	FOOT	396
DRILL EXISTING HANDHOLE	EACH	1
MODIFY EXISTING CONTROLLER FOUNDATION	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	396
TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1
RAILROAD, FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
UNINTERRUPTIBLE POWER SUPPLY, SPECIAL	EACH	1
REMOVE EXISTING TRAFFIC CONTROLLER AND CABINET	EACH	1
RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1



TOP VIEW

NOTE:
TOP OF FOUNDATION SHALL BE HIGHER THAN TOP OF DOUBLE HANDHOLE.



MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION FOR GROUND MOUNTED SUPER P (TYPE IV) AND SUPER R (TYPE V) CONTROLLER CABINETS

NOTES:

- FURNISH AND INSTALL A 20 AMP, 1 POLE, 120VAC, 10,000 A/C AT 120VAC CIRCUIT BREAKER FOR DUPLEX RECEPTACLES, AND A U.L. LISTED GROUNDED THREE-WIRE, 120VAC, 20 AMP GROUND FAULT INTERRUPTER TYPE DUPLEX RECEPTACLE (NEMA 5-20R) ALL LOCATED IN THE CONTROLLER CABINET.
- CONTROLLER SPECIFIED: FULL-ACTUATED CONTROLLER, STANDARD SEQUENCE II, 8 PHASE, IN TYPE IV "SUPER P" CABINET.
- THE TRAFFIC SIGNAL CONTROLLER SHALL HAVE REMOTE MONITORING CAPABILITIES INCLUDING ALL NECESSARY PERIPHERAL HARDWARE SUCH AS INTERSECTION MONITOR, ETC. TO ALLOW FOR BOTH REMOTE ACCESS AND AUTOMATIC CONTROLLER REPORTING OF ALARMS. THE COST OF THE NECESSARY ADDITIONAL HARDWARE SHALL BE INCLUDED IN THE UNIT PRICE FOR "RAILROAD, FULL-ACTUATED CONTROLLER AND TYPE IV CABINET (SPECIAL)."
- CARE SHOULD BE TAKEN DURING MODIFICATION OF THE EXISTING FOUNDATION TO NOT DAMAGE THE EXISTING SERVICE CONDUIT, SERVICE CABLE AND FIBER OPTIC CABLING.

STAGING OF TRAFFIC SIGNAL CONTROLLER REPLACEMENT AND CABINET MODIFICATIONS. THE EXISTING TRAFFIC SIGNAL CABINET FOUNDATION IS TO BE MODIFIED AS SHOWN WHILE THE EXISTING TRAFFIC SIGNAL CONTROLLER MAINTAINS ITS' CURRENT OPERATION. ONCE THE FOUNDATION MODIFICATIONS ARE COMPLETE AND ALL NEW CONTROLLER AND CABINET MATERIALS ARE PRESENT, THE CONTROLLER AND CABINET (COMPLETE) ARE TO BE REMOVED AND THE NEW CONTROLLER AND CABINET ARE TO BE INSTALLED. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING TRAFFIC CONTROL AT THE INTERSECTION TO THE SATISFACTION OF THE ENGINEER DURING THE CHANGEOVER.



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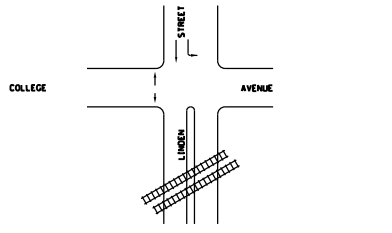
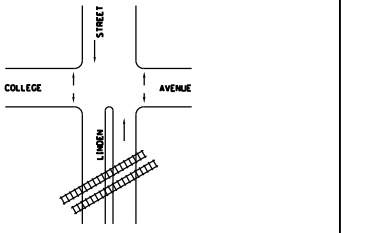
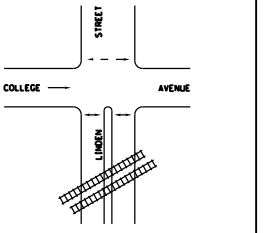



**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL CABLE PLAN AND QUANTITIES
LINDEN STREET AND COLLEGE AVENUE**

SCALE: NTS SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6405	03-00221-02-RP	MCLEAN	7	5
CONTRACT NO. 70B36			ILLINOIS FED. AID PROJECT	

SEQUENCE OF OPERATION

MOVEMENT															FLASH	
PHASE	1 + 6					2 + 6					4					
INTERVAL	1	2	3	4A	4B	5	6	7A	7B	8A	8B	9	10	11		12
CHANGE TO	∅	∅	2 + 6	4*		∅	∅	4		1 + 6*		∅	∅	1 + 6 2 + 6		
LINDEN STREET END MAST ARM AND FAR LEFT SIGNALS S/B				Y	R	G	G	Y	R	G	G	R	R	R	R	R
LINDEN STREET MID & FAR RIGHT MAST ARM, NEAR RIGHT SIGNALS S/B	G	G	G	Y	R	G	G	Y	R	G	G	R	R	R	R	R
LINDEN STREET ALL SIGNALS N/B	R	R	R	R	R	G	G	Y	R	Y	R	R	R	R	R	R
COLLEGE AVENUE ALL SIGNALS E/B	R	R	R	R	R	R	R	R	R	R	R	G	G	Y	R	R
PEDESTRIAN SIGNALS CROSSING COLLEGE AVENUE ON WEST SIDE OF LINDEN STREET	P	**FH	H	H	H	P	**FH	H	H	H	H	H	H	H	H	DARK
PEDESTRIAN SIGNALS CROSSING COLLEGE AVENUE ON EAST SIDE OF LINDEN STREET	H	H	H	H	H	P	**FH	H	H	H	H	H	H	H	H	
PEDESTRIAN SIGNALS CROSSING LINDEN STREET ON BOTH SIDES OF COLLEGE AVENUE	H	H	H	H	H	H	H	H	H	H	H	P	**FH	H	H	

PHASE 2 + 6 SHALL BE PLACED ON RECALL

- = TO APPEAR ONLY UPON PUSHBUTTON ACTUATION
- = FLASHING "DON'T WALK" IS TO TERMINATE AT THE COMPLETION OF THE PEDESTRIAN INTERVAL CLEARANCE.
- P = ILLUMINATED PERSON = WALK
- FH = ILLUMINATED FLASHING HAND = FLASHING DON'T WALK
- H = ILLUMINATED SOLID HAND = DON'T WALK
- ∅ = THIS "WALK" OR FLASHING "DON'T WALK" INTERVAL MAY FINISH TIMING IN A FOLLOWING MOVEMENT, IF COMPATIBLE, IF THE CURRENT MOVEMENT IS NOT SUFFICIENT TO COMPLETE "WALK" OR FLASHING "DON'T WALK" INTERVALS.
- * = SB LEFT TURN INDICATION MAY OPERATE AS A LEAD OR A LAG, BASED ON COORDINATION PLAN.

FILE NAME = \$FILES



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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL SEQUENCE OF OPERATION
LINDEN STREET AND COLLEGE AVENUE**

SCALE: NTS SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6405	03-00221-02-RP	MCLEAN	7	6
CONTRACT NO. 70B36				
ILLINOIS FED. AID PROJECT				

RAILROAD PREEMPTION SEQUENCE OF OPERATION

CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	PREEMPTOR NUMBER 2												
	1		6		10		2	3	4	5	6	7	CLEAR TO NORMAL SEQUENCE
RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1A	1B	1C	1D	1E	1F	2	3	4	5	6	7	
CHANGE TO RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1B	2	1D	2	1F	2	3	4	5	6	7		
LINDEN STREET END MAST ARM AND FAR LEFT SIGNALS S/B	Y	R	Y	R	R	R	R	R	R	R	R	R	△
LINDEN STREET MID & FAR RIGHT MAST ARM, NEAR RIGHT SIGNALS S/B	Y	R	Y	R	R	R	R	R	R	R	R	R	△
LINDEN STREET ALL SIGNALS N/B	R	R	G	G	R	R	G	Y	R	R	R	R	△
COLLEGE AVENUE ALL SIGNALS E/B	R	R	R	R	Y	R	R	R	R	G	Y	R	△
PEDESTRIAN SIGNALS CROSSING COLLEGE AVENUE ON WEST SIDE OF LINDEN STREET	FH	H	FH	H	H	H	H	H	H	H	H	H	△
PEDESTRIAN SIGNALS CROSSING COLLEGE AVENUE ON EAST SIDE OF LINDEN STREET	H	H	FH	H	H	H	H	H	H	H	H	H	△
PEDESTRIAN SIGNALS CROSSING LINDEN STREET ON BOTH SIDES OF COLLEGE AVENUE	H	H	H	H	FH	H	H	H	H	H	H	H	△

HOLD

P = ILLUMINATED PERSON = WALK
 FH = ILLUMINATED FLASHING HAND = FLASHING DON'T WALK
 H = ILLUMINATED SOLID HAND = DON'T WALK

- = TO APPEAR ONLY UPON PUSHBUTTON ACTUATION
- = FLASHING "DON'T WALK" IS TO TERMINATE AT THE COMPLETION OF THE PEDESTRIAN INTERVAL CLEARANCE.

△ = RAILROAD PREEMPTION SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY AN EMERGENCY VEHICLE INTERVAL (IF APPLICABLE) AFTER RAILROAD INTERVAL 7 IS TERMINATED.

NOTES

1. ONCE PREEMPTION HAS BEEN CALLED, THE TRACK CLEAR SIGNAL DISPLAY SHALL APPEAR IMMEDIATELY AFTER ALL NECESSARY VEHICULAR CLEARANCES HAVE BEEN PROVIDED.
2. RAILROAD PREEMPTION WILL TERMINATE ACTIVE PEDESTRIAN PHASES IMMEDIATELY. PEDESTRIAN CLEARANCES WILL BE ABBREVIATED.
3. THE RAILROAD PREEMPTION SEQUENCE OF OPERATION SHALL HAVE PRIORITY OVER ALL OTHER SEQUENCES OF OPERATION.

FILE NAME = \$FILES



USER NAME = \$USER*	DESIGNED MRF	REVISED -
	DRAWN MRF	REVISED -
PLOT SCALE = \$SCALE*	CHECKED MJL	REVISED -
PLOT DATE = \$DATE*	DATE 08/21/2015	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

RAILROAD PREEMPTION SEQUENCE OF OPERATION LINDEN STREET AND COLLEGE AVENUE			
SCALE: NTS	SHEET 2 OF 2 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6405	03-00221-02-RP	McLEAN	7	7
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