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**INDEX OF HIGHWAY STANDARDS (CONT.):**

STANDARD NO.	DESCRIPTION
701801-05	SIDEWALK, CORNER, OR CROSSWALK CLOSURE
720001-01	SIGN PANEL MOUNTING DETAILS
780001-04	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782001	PRISMATIC CURB REFLECTORS
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
814001-02	HANDHOLES
814006-02	DOUBLE HANDHOLES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
877001-05	STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
878001-09	CONCRETE FOUNDATION DETAILS
880001-01	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUT FOR DETECTION LOOPS

**GENERAL NOTES:**

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL J.U.L.I.E. AT (800) 892-0123 OR B11 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS UTILITIES (48 HOUR NOTICE IS REQUIRED).
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE RIGHT-OF-WAY OR PROPERTY WITHOUT PRIOR WRITTEN PERMISSION FROM THE ENGINEER.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH AFFECTED UTILITY COMPANIES AND THE VILLAGE OF VILLA PARK AND CITY OF ELMHURST.
- 10 FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURB AND GUTTER AND MEDIAN ITEMS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED LARGER ITEM OF SPECIFIED WORK.
- PRIOR TO EMBANKMENT PLACEMENT, ALL VEGETATION, LOOSE MATERIAL, AND UNSTABLE MATERIAL SHOULD BE REMOVED TO DEPTH ENCOUNTERED AND REPLACED WITH SUITABLE EMBANKMENT MATERIAL. ANY EMBANKMENT WIDENING ON EXISTING SLOPES SHOULD BE BENCHED IN ACCORDANCE WITH ARTICLE 205.04 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.
- CON ED WIRES ARE NOT INSULATED AND EXTRA CAUTION AND VIGILANCE MUST BE ADHERED TO WHEN WORKING AROUND THEM, CONTRACTORS SHOULD ALWAYS USE CAUTION IN OPERATING CRANES AND OR OTHER EQUIPMENT NEAR OVERHEAD ELECTRICAL FACILITIES. THE OCCUPATIONAL HEALTH AND SAFETY ORGANIZATION (OSHA) RULES REQUIRE THAT WORKERS AND EQUIPMENT SHALL NOT APPROACH WITHIN TEN (10) FEET AWAY OF OVERHEAD ELECTRICAL EQUIPMENT WITHOUT APPROPRIATE SUPPLEMENTAL PROTECTION. PLEASE BE CERTAIN THAT ALL WORKERS ON THIS PROJECT HAVE BEEN FULLY TRAINED AND CONFORM TO OSHA RULES AND OTHER APPLICABLE GUIDELINES REGARDING WORKING SAFELY AROUND ELECTRICAL POWER LINES.
- NIGHT OPERATIONS: WHEN ARTIFICIAL LIGHTING IS UTILIZED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTION IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AS WELL AS THE ADJOINING RESIDENTIAL AREAS.
- BEFORE BEGINNING ANY WORK THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.
- FOR WORK OUTSIDE THE LIMITS OF BRIDGE APPROACH PAVEMENT, ALL REFERENCES IN THE HIGHWAY STANDARDS AND STANDARD SPECIFICATIONS FOR REINFORCEMENT, DOWEL BARS AND TIE BARS IN PAVEMENT, SHOULDERS, CURB, GUTTER, COMBINATION CURB AND GUTTER AND MEDIAN, AND CHAIR SUPPORTS FOR CRC PAVEMENT, SHALL BE EPOXY COATED, UNLESS NOTED ON THE PLAN.

9A. THE GENERAL CONTRACTOR IS REQUIRED TO HIRE AN ENVIRONMENTAL FIRM WITH AT LEAST FIVE (5) DOCUMENTED LEAKING UNDERGROUND STORAGE TANK CLEANUPS OR THAT IS PRE-QUALIFIED IN HAZARDOUS WASTE BY THE DEPARTMENT TO REMEDIATE THE SOIL CONTAMINATION AND MONITOR FOR WORKER PROTECTION.

**GENERAL NOTES (CONT.):**

- BEFORE ORDERING STORM SEWERS, CATCH BASINS, PIPE CULVERTS, PIPE DRAINS, MANHOLES, INLETS, AND SCUPPERS, THE CONTRACTOR SHALL REVIEW THE EXISTING FIELD CONDITIONS AND THE DRAINAGE SCHEDULES FOUND IN THE PLANS FOR THE EXACT LENGTH AND QUANTITY REQUIRED.
- THE CONTRACTOR SHALL MAINTAIN THE SURFACE DRAINAGE OF ALL ROADWAYS DURING CONSTRUCTION OF THIS PROJECT. WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE OR PUBLIC DRAINS, SEWERS, INLETS, AND CATCH BASINS. THE CONTRACTOR SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER, WHICH WILL BE RECEIVED BY THESE DRAINS AND SEWERS AND DISCHARGE SAME. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN A TEMPORARY OUTLET AND BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM ALL THESE TEMPORARY CONNECTIONS UNTIL INSTALLATION IS COMPLETE, INCLUDING PAVEMENT. THIS WORK SHALL NOT BE PAID FOR DIRECTLY BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT. COORDINATION WITH ALL AGENCIES INVOLVED IS REQUIRED.
- DURING CONSTRUCTION OPERATIONS, IF ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, THE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY, AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL UTILITY STRUCTURES SHALL BE FREE FROM DUST AND DEBRIS. THE WORK SPECIFIED ABOVE WILL NOT BE PAID SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE CONTRACT.
- AGGREGATE SUBGRADE IMPROVEMENT HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSUITABLE OR UNSTABLE. THE ACTUAL NEED FOR THE REMOVAL AND REPLACEMENT WITH AGGREGATE SUBGRADE IMPROVEMENT WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 AND THE IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS ENCOUNTERED, THE SOIL SHALL BE REMOVED AND REPLACED WITH AGGREGATE SUBGRADE IMPROVEMENT OR EMBANKMENT AS DETERMINED BY THE GEOTECHNICAL ENGINEER. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.
- THE CONTRACTOR SHALL MAINTAIN ALL ROADWAYS OPEN TO TRAFFIC AS SHOWN ON THE MAINTENANCE OF TRAFFIC PLANS.
- THE CONTRACTOR SHALL CONTACT THE IDOT TRAFFIC CONTROL SUPERVISOR, AT 847-705-4470 A MINIMUM OF 72 HOURS PRIOR TO THE PLACEMENT OF ANY TEMPORARY TRAFFIC CONTROL DEVICES.
- THE RESIDENT ENGINEER SHALL CONTACT DON CHIARUGI AT (847) 741-9857 A MINIMUM OF TWO (2) WEEKS PRIOR TO PLACING THE PERMANENT PAVEMENT MARKINGS.
- THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS THAT WILL NOT BE REMOVED. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S OWN EXPENSE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER. THIS WORK SHALL BE AT THE CONTRACTOR'S EXPENSE.
- FOR STORM SEWER CONSTRUCTED UNDER THE ROADWAY, BACKFILLING METHODS TWO AND THREE AUTHORIZED UNDER THE PROVISIONS OF ARTICLE 550.07 OF THE STANDARD SPECIFICATIONS WILL NOT BE ALLOWED.

20. CONTRACTOR SHOULD BE AWARE OF OVERHEAD UTILITIES TO DETERMINE MEANS AND METHODS AND SHOULD BE REFLECTED IN THE BID PRICE.

**SALT CREEK GREENWAY TRAIL**

- THE TRAIL UNDER THE BRIDGE SHALL REMAIN OPEN ON WEEKENDS. ANY CLOSURE FOR THE REMOVAL AND REPLACEMENT OF THE SUPERSTRUCTURE SHOULD TAKE PLACE DURING THE WEEK.
- THE CONTRACTOR SHALL TAKE NECESSARY PRECAUTIONS TO ENSURE THAT NO DEBRIS WILL ENDANGER OR INTERFERE WITH TRAFFIC ON THE TRAIL BENEATH THE BRIDGE ACCORDING TO ARTICLE 107.09 OF THE STANDARD SPECIFICATIONS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE APPROPRIATE PAY ITEMS INVOLVED AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

**COMMITMENTS:**

NONE

**INDEX OF HIGHWAY STANDARDS:**

STANDARD NO.	DESCRIPTION
000001-00	SYMBOLS, ABBREVIATION, AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
420001-07	PAVEMENT JOINTS
420111-03	PCC PAVEMENT ROUNDOUTS
420401-10	BRIDGE APPROACH PAVEMENT CONNECTOR
420701-02	PAVEMENT FABRIC
424001-07	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-01	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-01	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
515001-03	NAME PLATE FOR BRIDGES
606001-05	CONCRETE CURB TYPE B AND COMBINATION CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
609006-05	BRIDGE APPROACH PAVEMENT (DRAIN DETAIL)
630001-10	STEEL PLATE BEAM GUARDRAIL
630301-06	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631031-12	TRAFFIC BARRIER TERMINAL, TYPE 6
635001-01	DELINEATORS
635006-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
643001-02	SAND MODULE IMPACT ATTENUATORS
701101-04	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701427-02	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≤ 40 MPH
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRANSVERSABLE MEDIAN
701606-09	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-09	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-03	TRAFFIC CONTROL DEVICES
704001-07	TEMPORARY CONCRETE BARRIER

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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

IL ROUTE 64 OVER SALT CREEK  
 INDEX OF SHEETS & HIGHWAY STANDARDS

F.A.P. RTE. 307	SECTION 1318-BR	COUNTY DUPAGE	TOTAL SHEETS 111	SHEET NO. 2
CONTRACT NO. 60V24				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE																	
				80% FEDERAL / 20% STATE		TRAFFIC SIGNALS		ROADWAY LIGHTING / EVP		SIDEWALK											
				ROADWAY 0004	BRIDGE 0014	IL64 AT VILLA AVE.	IL 64 AT ELMHURST PL.	100% VILLA PARK	100% ELMHURST	80% STATE / 20% VILLA PARK	80% STATE / 20% ELMHURST										
					SN 022-0158	80% FED / 10% STATE / 5% DUPAGE CO / 5% VILLA PARK	100% ELMHURST														
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	2	2																	
63200310	GUARDRAIL REMOVAL	FOOT	159	159																	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	7	7																	
67100100	MOBILIZATION	L SUM	1	1																	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	4758	4758																	
70400100	TEMPORARY CONCRETE BARRIER	FOOT	888	888																	
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	576	576																	
70600235	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 2	EACH	4	4																	
70600320	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 2	EACH	4	4																	
72000100	SIGN PANEL - TYPE 1	SQ FT	15			6	9														
72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	12	12																	
78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	253	253																	
78008200	POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS	SQ FT	128	128																	
78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	1260	1260																	

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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

IL ROUTE 64 (NORTH AVE) OVER SALT CREEK  
 SUMMARY OF QUANTITIES  
 SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 307 SECTION 1318-BR COUNTY DUPAGE TOTAL SHEETS 111 SHEET NO. 7 CONTRACT NO. 60V24 ILLINOIS FED. AID PROJECT

REV. 1-9-14

• - DENOTES SPECIALTY ITEM

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE							
				80% FEDERAL / 20% STATE		TRAFFIC SIGNALS		ROADWAY LIGHTING / EVP		SIDEWALK	
				ROADWAY	BRIDGE	IL64 AT VILLA AVE.	IL 64 AT ELMHURST PL.	100% VILLA PARK	100% ELMHURST	80% STATE / 20% VILLA PARK	80% STATE / 20% ELMHURST
				0004	0014	80% FED / 10% STATE / 5% DUPAGE CO / 5% VILLA PARK	100% ELMHURST	SAFETY 0021	SAFETY 0021	SAFETY 0021	SAFETY 0021
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1			1					
87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	751			751					
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1029			1029					
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1594			1071		523			
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3344			2246		1098			
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2487			2189		298			
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1544			1544					
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	438			415		23			
87500600	TRAFFIC SIGNAL POST, 10 FT.	EACH	1			1					
87700280	STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1					1			
87700280	STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1					1			
87700300	STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	1			1					
87700310	STEEL MAST ARM ASSEMBLY AND POLE, 54 FT.	EACH	1			1					
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	4			4					

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Rev 1-9-14

• - DENOTES SPECIALTY ITEM

<b>COLLINS ENGINEERS</b> <small>1225 N. 1st St. Suite 200          Naperville, IL 60563          Phone: 630.234.1000          Fax: 630.234.1000          www.collinseng.com</small>	USER NAME: rjgall	DESIGNED: -	REVISED: -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 64 (NORTH AVE) OVER SALT CREEK SUMMARY OF QUANTITIES	F.A.P. RTE. 307	SECTION 1318-BR	COUNTY DUPAGE	TOTAL SHEETS 111	SHEET NO. 10
	PLOT SCALE: 2.0000' / 1" =	CHECKED: -	REVISED: -			SCALE:	SHEET OF SHEETS	STA. TO STA.	CONTRACT NO. 60V24	
PLOT DATE: 10/20/2010	DATE: -	REVISED: -	REVISED: -	ILLINOIS FED. AID PROJECT						

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE								
				80% FEDERAL / 20% STATE		TRAFFIC SIGNALS		ROADWAY LIGHTING / EVP		SIDEWALK		
				ROADWAY 0004	BRIDGE 0014	IL64 AT VILLA AVE. 80% FED / 10% STATE / 5% DUPAGE CO / 5% VILLA PARK	IL 64 AT ELMHURST PL. 100% ELMHURST	100% VILLA PARK	100% ELMHURST	80% STATE / 20% VILLA PARK	80% STATE / 20% ELMHURST	
					SN 022-0158	SAFETY 0021	SAFETY 0021	SAFETY 0021	SAFETY 0021	SAFETY 0021	SAFETY 0021	
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	56			30	26					
87900200	DRILL EXISTING HANDHOLE	EACH	7			5	2					
87900205	DRILL EXISTING HEAVY DUTY HANDHOLE	EACH	1			1						
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	12	▲		7	▲	5				
88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2				2					
88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1			1						
88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	3			2	1					
88030220	SIGNAL HEAD, LED, 2-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1			1						
88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2			2						
88102747	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2			2						
88200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	15	▲		9	▲	6				
88600100	DETECTOR LOOP, TYPE I	FOOT	1088	▲		616	▲	472				
88800100	PEDESTRIAN PUSH-BUTTON	EACH	6			6						
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	2	2								

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● 0021 80% FED. / 20% STATE

▲ Rev. 1-9-14

• - DENOTES SPECIALTY ITEM

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL ROUTE 64 (NORTH AVE) OVER SALT CREEK  
SUMMARY OF QUANTITIES  
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 307	SECTION 1318-BR	COUNTY DuPAGE	TOTAL SHEETS 111	SHEET NO. 11
CONTRACT NO. 60V24			ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE								
				ROADWAY 0001	BRIDGE 0014 SN 022-0158	TRAFFIC SIGNALS		ROADWAY LIGHTING / EVP		SIDEWALK		
						80% FEDERAL / 20% STATE	80% FED / 10% STATE / 5% DUPAGE CO / 5% VILLA PARK	100% ELMHURST	100% VILLA PARK	100% ELMHURST	80% STATE / 20% VILLA PARK	80% STATE / 20% ELMHURST
				SAFETY 0021	SAFETY 0021	SAFETY 0021	SAFETY 0021	SAFETY 0021	SAFETY 0021			
89501400	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	2			2						
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	2			1	1					
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	4394			3524	870					
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2			1	1					
89502380	REMOVE EXISTING HANDHOLE	EACH	2			2						
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	4			2	2					
X0323491	SLOPE WALL CRACK SEALING	FOOT	14		14							
X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	523				523					
X0327638	STREAM GAUGE	EACH	1		1							
X5030305	CONCRETE WEARING SURFACE, 5"	SQ YD	1702		1702							
<input type="checkbox"/> X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	136	136								
<input type="checkbox"/> X5538200	STORM SEWERS TO BE CLEANED 24"	FOOT	61	61								
<input type="checkbox"/> X5538600	STORM SEWERS TO BE CLEANED 36"	FOOT	90	90								
X6330705	RUB RAIL	FOOT	20	20								

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NP - (100% STATE)

Rev. 12-30-13

\* - DENOTES SPECIALTY ITEM

<b>COLLINS ENGINEERS</b> <small>125 W. State St. Suite 200 Chicago, IL 60601 Tel: 312.721.0000 Fax: 312.721.0000 www.collinseng.com</small> <small>ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE NO. 041-000993</small>	USER NAME: rgal	DESIGNED: -	REVISED: -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 64 (NORTH AVE) OVER SALT CREEK SUMMARY OF QUANTITIES			F.A.P. RTE. 307	SECTION 1318-BR	COUNTY DUPAGE	TOTAL SHEETS 111	SHEET NO. 12				
	PLOT SCALE: 2.0000' / 1" =	CHECKED: -	REVISED: -					SCALE:	SHEET OF	SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT CONTRACT NO. 60V24				
	PLOT DATE: 10/28/2013	DATE: -	REVISED: -													



CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE							
				80% FEDERAL / 20% STATE		TRAFFIC SIGNALS		ROADWAY LIGHTING / EVP		SIDEWALK	
				ROADWAY 0004	BRIDGE 0014 SN 022-0158	IL64 AT VILLA AVE. 80% FED / 10% STATE / 5% DUPAGE CO / 5% VILLA PARK	IL 64 AT ELMHURST PL. 100% ELMHURST	100% VILLA PARK	100% ELMHURST	80% STATE / 20% VILLA PARK	80% STATE / 20% ELMHURST
						SAFETY 0021	SAFETY 0021	SAFETY 0021	SAFETY 0021	SAFETY 0021	SAFETY 0021
• Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	6					3	3		
• Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1			1					
Z0062456	TEMPORARY PAVEMENT	SQ YD	212	212							
⊙ Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	2	2							
∅ Z0076600	TRAINEES	HOUR	500	500							
∅ Z0076604	TRAINEES - TRAINING PROGRAM GRADUATE	HOUR	500	500							
* Z00900200	NON-SPECIAL WASTE DISPOSAL	CU YD	260	260							
* Z00900450	SPECIAL WASTE PLANS AND REPORTS	LSUM	1	1							
* Z00900530	SOIL DISPOSAL ANALYSIS	EACH	3	3							
* Z00800700	PREFORMED DETECTOR LOOP	FOOT	135			135					
* Z008500100	RELOCATE EXISTING SIGNAL HEAD	EACH	1			1					

⚠

⚠

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⊙ 0021 BOX FED. / 20% STATE

⚠ Rev. 12-30-13

• - DENOTES SPECIALTY ITEM

**COLLINS ENGINEERS**  
ILLINOIS PROFESSIONAL DESIGN FIRM LICENSE NO. 081-000093

USER NAME = rgal1	DESIGNED -	REVISED -
PLOT SCALE = 2,000' / 1"	DRAWN -	REVISED -
PLOT DATE = 10/20/2013	CHECKED -	REVISED -
	DATE -	REVISED -

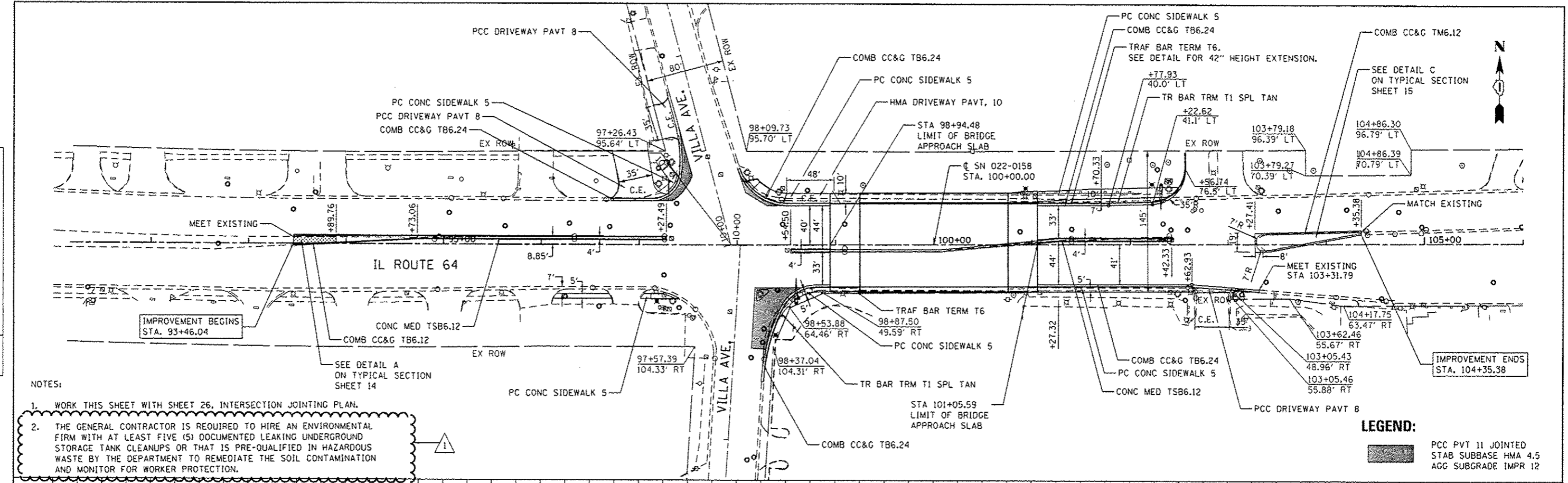
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

IL ROUTE 64 (NORTH AVE) OVER SALT CREEK  
SUMMARY OF QUANTITIES

F.A.P. RTE. 307	SECTION 1318-BR	COUNTY DUPAGE	TOTAL SHEETS 111	SHEET NO. 13A
CONTRACT NO. 60V24			ILLINOIS FED. AID PROJECT	

DATE	
BY	
PLANNING	
DESIGN	
CHECKS	
NO. OF WAY CHECKS	
NO. FILE NAME	

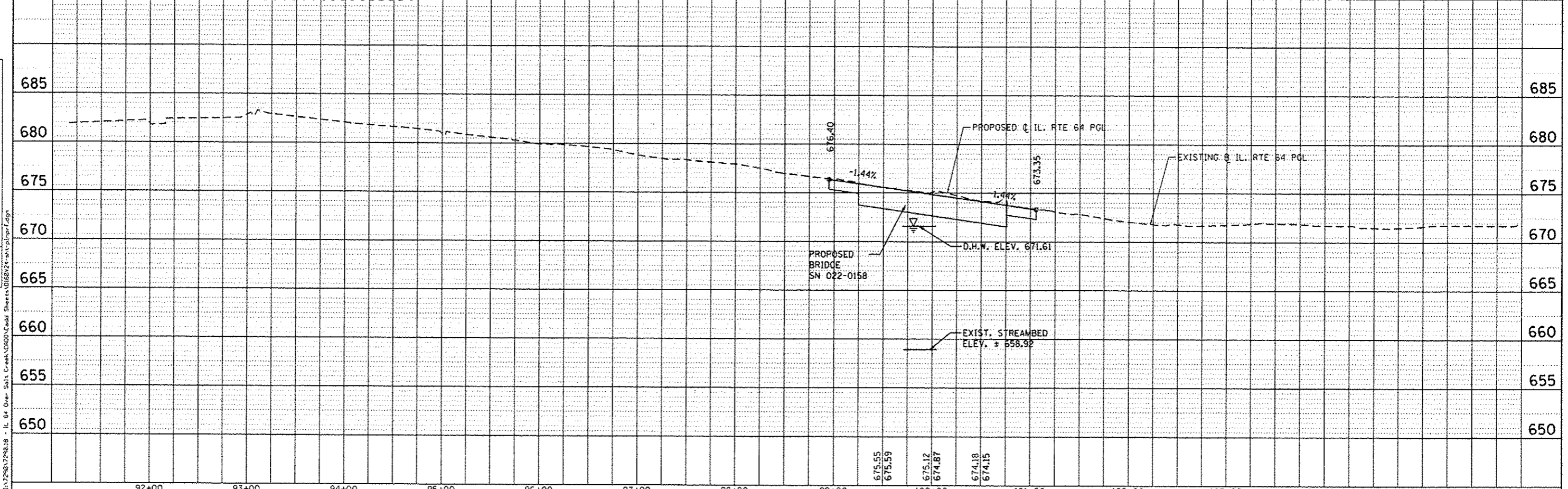
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PROFILE	
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NO. OF WAY CHECKS	
NO. FILE NAME	



- NOTES:
- WORK THIS SHEET WITH SHEET 26, INTERSECTION JOINTING PLAN.
  - THE GENERAL CONTRACTOR IS REQUIRED TO HIRE AN ENVIRONMENTAL FIRM WITH AT LEAST FIVE (5) DOCUMENTED LEAKING UNDERGROUND STORAGE TANK CLEANUPS OR THAT IS PRE-QUALIFIED IN HAZARDOUS WASTE BY THE DEPARTMENT TO REMEDIATE THE SOIL CONTAMINATION AND MONITOR FOR WORKER PROTECTION.

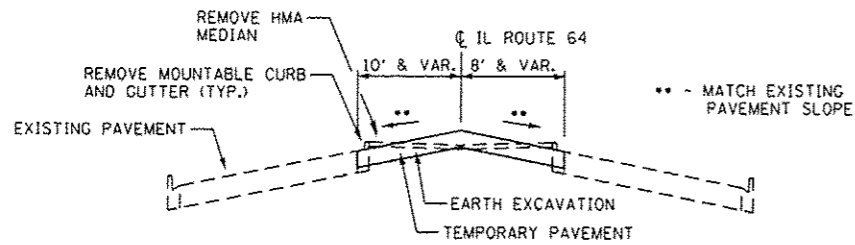
**LEGEND:**  

 PCC PVT 11 JOINTED STAB SUBBASE HMA 4.5 AGG SUBGRADE IMPR 12



<b>COLLINS ENGINEERS</b> 1111 N. Dear St. Suite 200 Chicago, IL 60610 Tel: 312.331.1000 Fax: 312.331.1000 www.collinseng.com	USER NAME: rjgall	DESIGNED: -	REVISED: 12/20/2013 R.A.G.	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ILLINOIS ROUTE 64 (NORTH AVE) OVER SALT CREEK PLAN AND PROFILE	F.A.P. RTE. 307	SECTION 1318-BR	COUNTY DuPAGE	TOTAL SHEETS 111	SHEET NO. 20
	PLOT SCALE: 1/8" = 100.0000' / 1" = 1000.0000' PLOT DATE: 12/28/2013	CHECKED: -	REVISIONS:			SCALE: SHEET OF SHEETS STA. TO STA.	CONTRACT NO. 60V24			

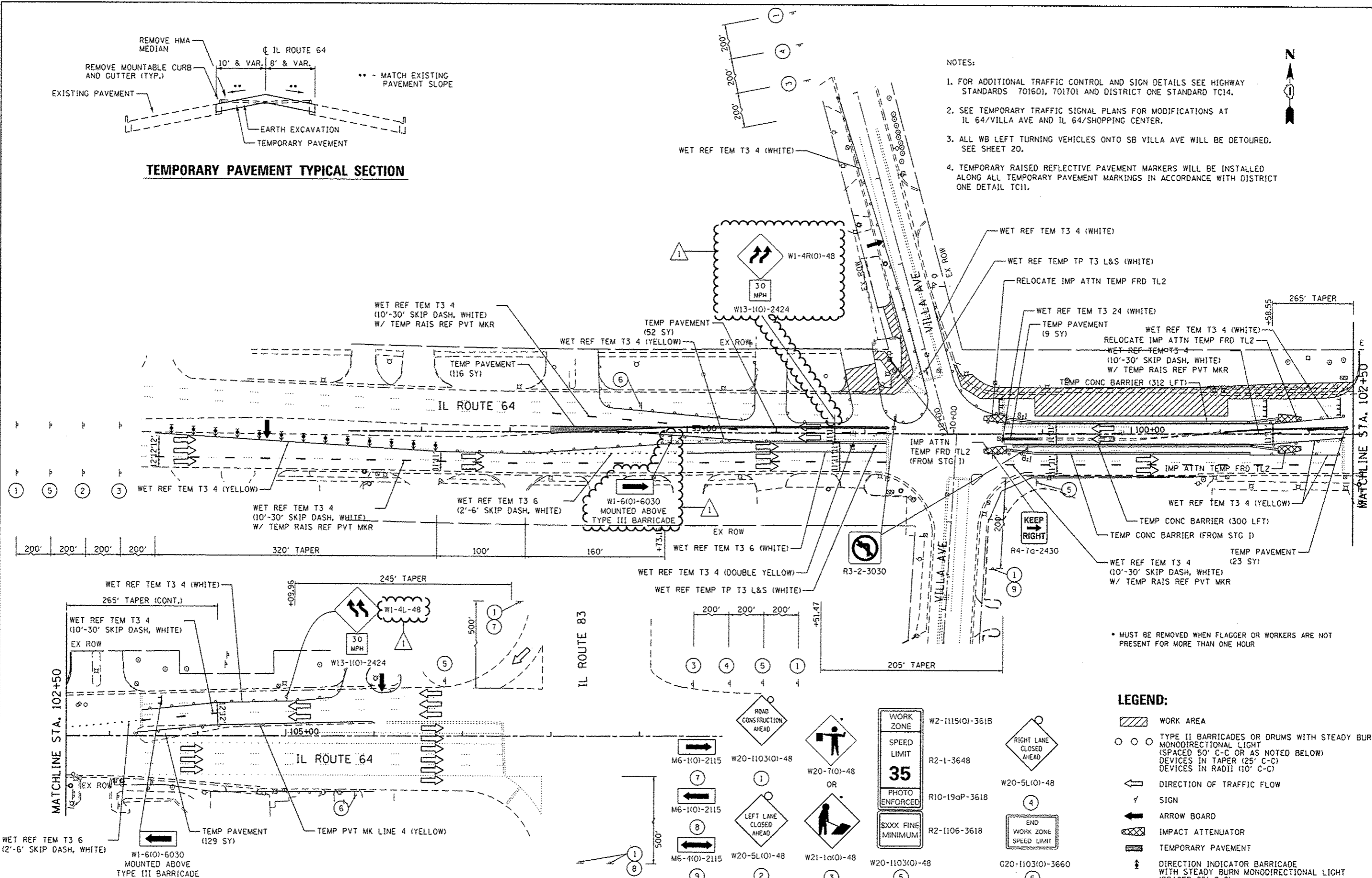
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**TEMPORARY PAVEMENT TYPICAL SECTION**

**NOTES:**

1. FOR ADDITIONAL TRAFFIC CONTROL AND SIGN DETAILS SEE HIGHWAY STANDARDS 701601, 701701 AND DISTRICT ONE STANDARD TC14.
2. SEE TEMPORARY TRAFFIC SIGNAL PLANS FOR MODIFICATIONS AT IL 64/VILLA AVE AND IL 64/SHOPPING CENTER.
3. ALL WB LEFT TURNING VEHICLES ONTO SB VILLA AVE WILL BE DETOURED. SEE SHEET 20.
4. TEMPORARY RAISED REFLECTIVE PAVEMENT MARKERS WILL BE INSTALLED ALONG ALL TEMPORARY PAVEMENT MARKINGS IN ACCORDANCE WITH DISTRICT ONE DETAIL TC11.



\* MUST BE REMOVED WHEN FLAGGER OR WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR

**LEGEND:**

- WORK AREA
- TYPE II BARRICADES OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT (SPACED 50' C-C OR AS NOTED BELOW) DEVICES IN TAPER (25' C-C) DEVICES IN RADII (10' C-C)
- DIRECTION OF TRAFFIC FLOW
- SIGN
- ARROW BOARD
- IMPACT ATTENUATOR
- TEMPORARY PAVEMENT
- DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT (SPACED 25' C-C)

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**COLLINS ENGINEERS**  
 1111 S. WASHINGTON ST.  
 CHICAGO, IL 60607  
 (312) 467-1000  
 (312) 467-1001  
 (312) 467-1002  
 (312) 467-1003  
 (312) 467-1004  
 (312) 467-1005  
 (312) 467-1006  
 (312) 467-1007  
 (312) 467-1008  
 (312) 467-1009  
 (312) 467-1010  
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 (312) 467-1037  
 (312) 467-1038  
 (312) 467-1039  
 (312) 467-1040

USER NAME	rgell	DESIGNED	-	REVISED	12/20/2013 R.A.G.
DRAWN	-	CHECKED	-	REVISION	-
PLOT SCALE	100.0000' / in.	DATE	-	REVISION	-
PLOT DATE	12/28/2013				

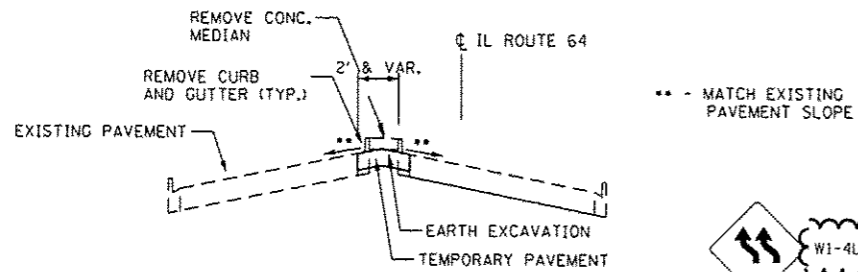
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ILLINOIS ROUTE 64 (NORTH AVE) OVER SALT CREEK  
 MAINTENANCE OF TRAFFIC - STAGE 2**

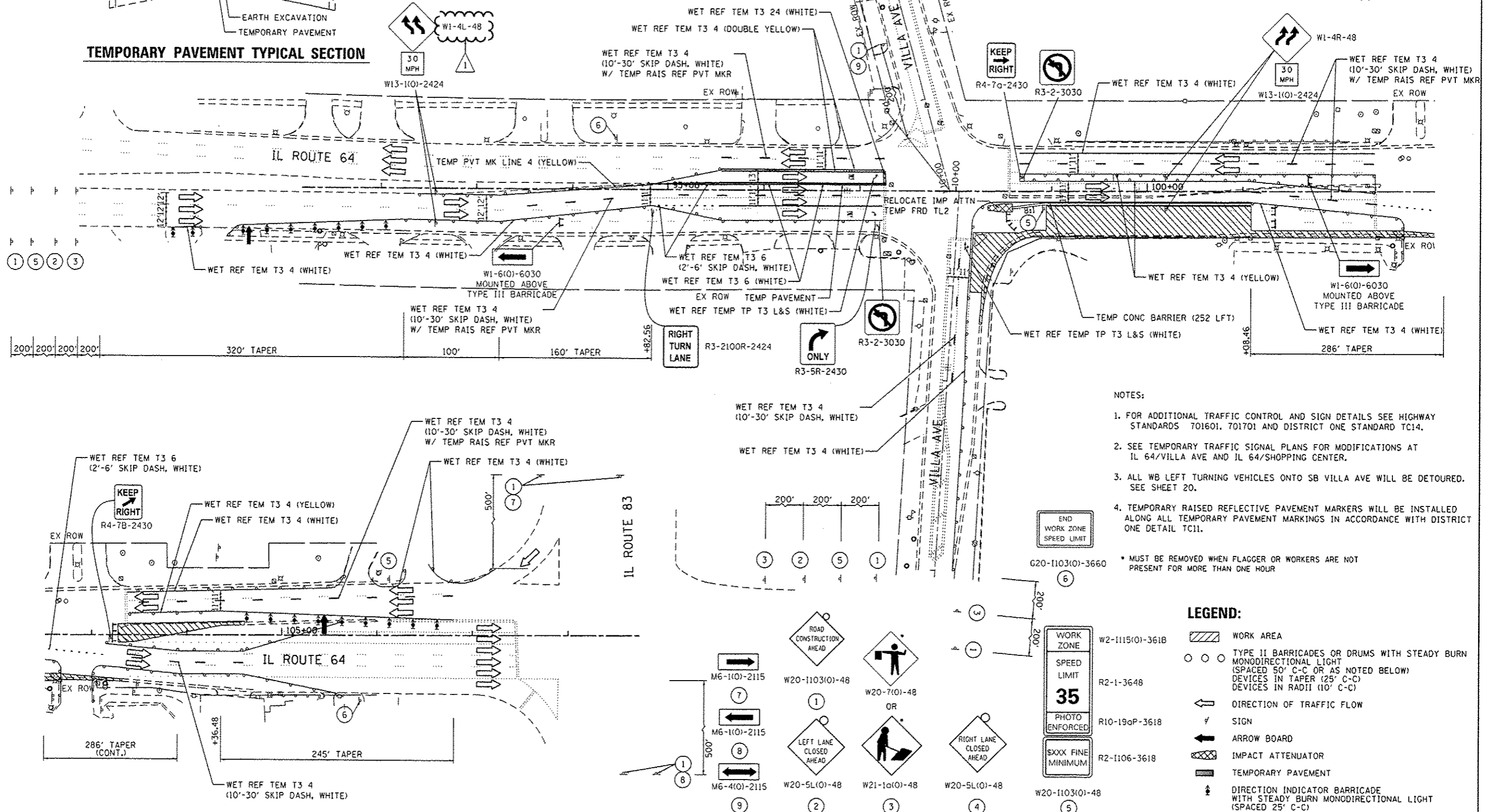
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	1318-BR	DuPAGE	111	26
CONTRACT NO. 60V24			ILLINOIS FED. AID PROJECT	

SCALE: SHEET OF SHEETS STA. TO STA.





**TEMPORARY PAVEMENT TYPICAL SECTION**



- NOTES:**
- FOR ADDITIONAL TRAFFIC CONTROL AND SIGN DETAILS SEE HIGHWAY STANDARDS 701601, 701701 AND DISTRICT ONE STANDARD TC14.
  - SEE TEMPORARY TRAFFIC SIGNAL PLANS FOR MODIFICATIONS AT IL 64/VILLA AVE AND IL 64/SHOPPING CENTER.
  - ALL WB LEFT TURNING VEHICLES ONTO SB VILLA AVE WILL BE DETOURED. SEE SHEET 20.
  - TEMPORARY RAISED REFLECTIVE PAVEMENT MARKERS WILL BE INSTALLED ALONG ALL TEMPORARY PAVEMENT MARKINGS IN ACCORDANCE WITH DISTRICT ONE DETAIL TC11.
- \* MUST BE REMOVED WHEN FLAGGER OR WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR

- LEGEND:**
- WORK AREA
  - TYPE II BARRICADES OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT (SPACED 50' C-C OR AS NOTED BELOW) DEVICES IN TAPER (25' C-C) DEVICES IN RADII (10' C-C)
  - DIRECTION OF TRAFFIC FLOW
  - SIGN
  - ARROW BOARD
  - IMPACT ATTENUATOR
  - TEMPORARY PAVEMENT
  - DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT (SPACED 25' C-C)

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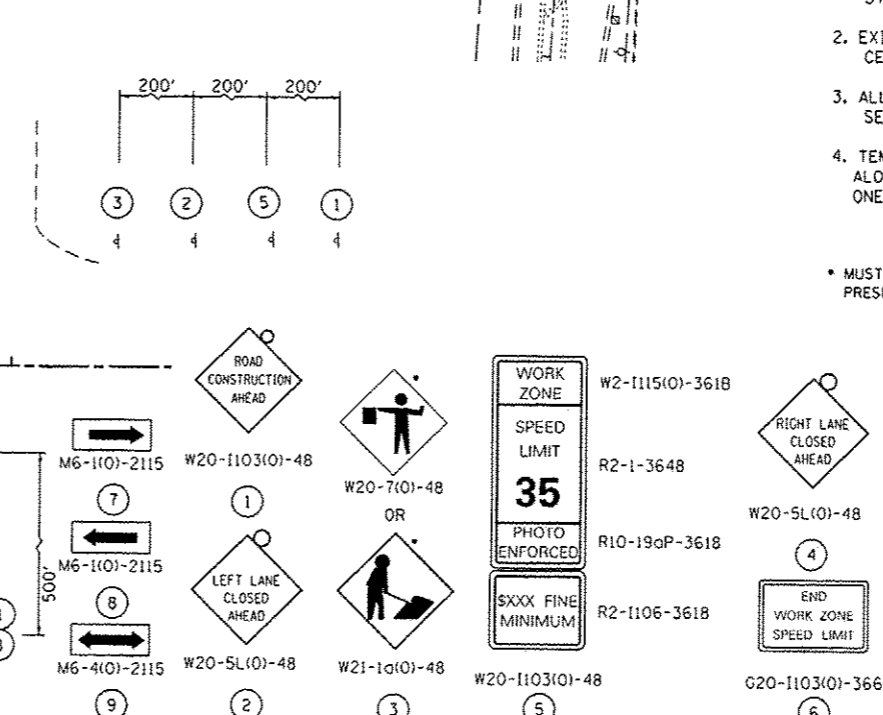
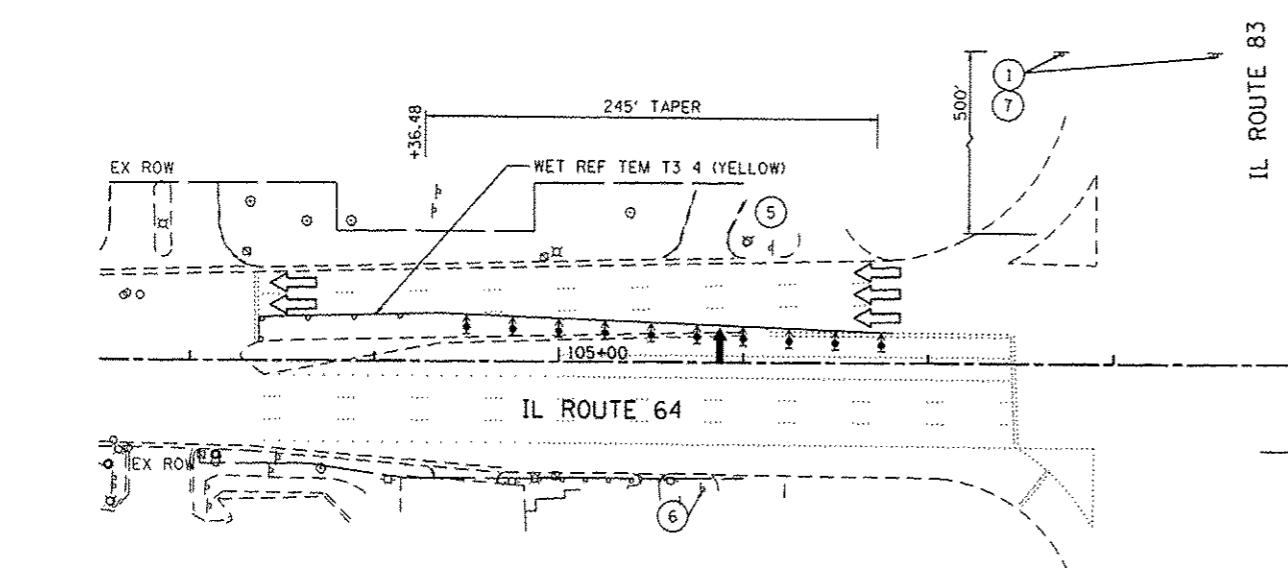
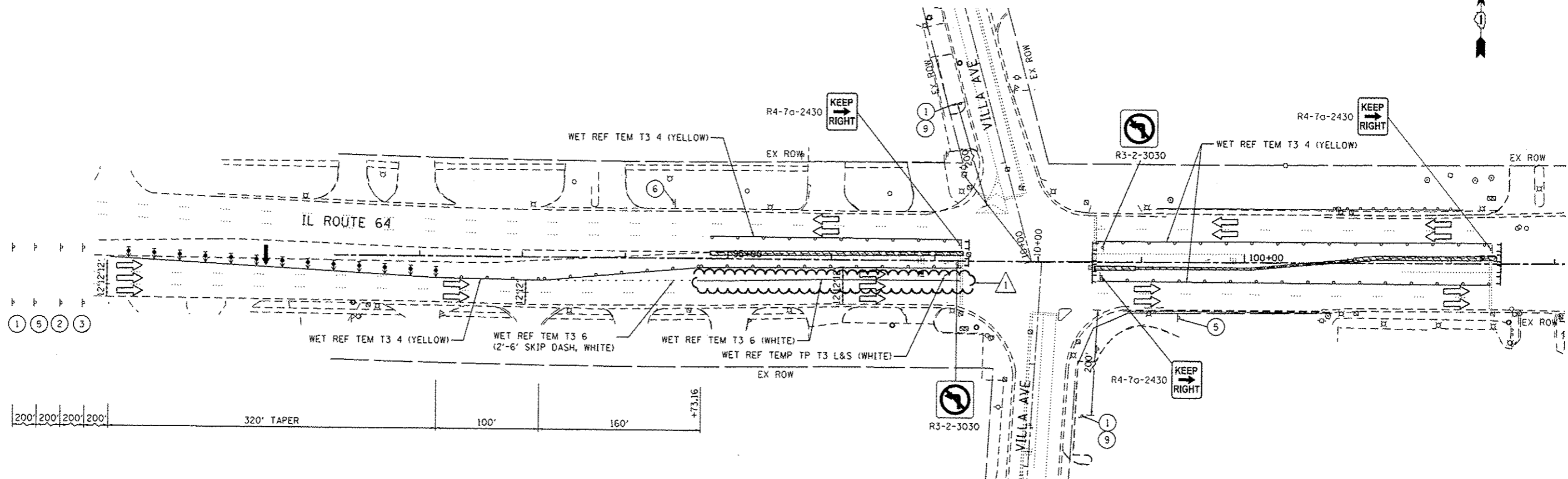
USER NAME: rjgell	DESIGNED: -	REVISED: 12/20/2013 R.A.C.
PLOT SCALE: 1/8" = 1'-0"	DRAWN: -	REVISED: -
PLOT DATE: 12/20/2013	CHECKED: -	REVISED: -
	DATE: -	REVISED: -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ILLINOIS ROUTE 64 (NORTH AVE) OVER SALT CREEK  
 MAINTENANCE OF TRAFFIC - STAGE 3**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 307	SECTION 1318-BR	COUNTY DuPAGE	TOTAL SHEETS 111	SHEET NO. 28
				CONTRACT NO. 60V24
ILLINOIS FED. AID PROJECT				



- NOTES:
1. FOR ADDITIONAL TRAFFIC CONTROL AND SIGN DETAILS SEE HIGHWAY STANDARDS 701601, 701701 AND DISTRICT ONE STANDARD TC14.
  2. EXISTING TRAFFIC SIGNALS AT IL 64/VILLA AVE, AND AT IL 64/SHOPPING CENTER TO REMAIN IN OPERATION.
  3. ALL WB LEFT TURNING VEHICLES ONTO SB VILLA AVE WILL BE DETOURED. SEE SHEET 20.
  4. TEMPORARY RAISED REFLECTIVE PAVEMENT MARKERS WILL BE INSTALLED ALONG ALL TEMPORARY PAVEMENT MARKINGS IN ACCORDANCE WITH DISTRICT ONE DETAIL TC11.
- \* MUST BE REMOVED WHEN FLAGGER OR WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR

- LEGEND:
- ▨ WORK AREA
  - ○ ○ TYPE II BARRICADES OR DRUMS WITH STEADY BURN MONODIRECTIONAL LIGHT (SPACED 50' C-C OR AS NOTED BELOW) DEVICES IN TAPER (25' C-C) DEVICES IN RADII (10' C-C)
  - ➔ DIRECTION OF TRAFFIC FLOW
  - ⚡ SIGN
  - ➔ ARROW BOARD
  - ▨ IMPACT ATTENUATOR
  - ▨ TEMPORARY PAVEMENT
  - ⚡ DIRECTION INDICATOR BARRICADE WITH STEADY BURN MONODIRECTIONAL LIGHT (SPACED 25' C-C)

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 Chicago, IL 60648  
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USER NAME = rgall	DESIGNED -	REVISION 12/20/2013 R.A.G.
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISION -
PLOT DATE = 12/20/2013	CHECKED -	REVISION -
	DATE -	REVISION -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

ILLINOIS ROUTE 64 (NORTH AVE) OVER SALT CREEK  
 MAINTENANCE OF TRAFFIC - STAGE 3A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	1318-BR	DUPAGE	111	30
CONTRACT NO. 60V24			ILLINOIS FED. AID PROJECT	

SCALE: SHEET OF SHEETS STA. TO STA.

**NOTES FOR TEMPORARY TRAFFIC SIGNALS**

- ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
- ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
- ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" (300MM) DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
- ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
- ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
- THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
- UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL. TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.
- TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
- DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATION OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
- WHEN PAN, TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR ARE CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS

**GENERAL NOTES:**

- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM FOUNDATIONS AND VERIFYING THE MAST ARMS LENGTHS.
- THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ORDERING ANY MATERIALS AND STARTING ANY WORK. FOR LOCATIONS OF UTILITIES, LOCALLY OWNED EQUIPMENT, LEASED ENFORCEMENT CAMERA SYSTEM FACILITIES AND IDOT UNDERGROUND FACILITIES, CONTACT THE LOCAL COUNTIES, MUNICIPALITIES AND IDOT FOR LOCATES. THE CONTRACTOR SHALL CALL JULIE AT (800) 892-0123 OR 811. IN THE CITY OF CHICAGO, CONTACT DIGGER AT (312) 744-7000 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION REQUIRED).
- THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL COORDINATE ANY CONFLICTS WITH THE UTILITY COMPANIES AND THE RESIDENT ENGINEER BEFORE ORDERING MATERIALS.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, LOCAL GOVERNMENT AGENCIES AND IDOT.

**CONSTRUCTION NOTES:**

- THE YELLOW ARROW AND GREEN ARROW INDICATION ON THE 5-SECTION SIGNAL HEAD FOR THE WESTBOUND DIRECTION SHALL BE USED ONLY DURING PRE-CONSTRUCTION AND INTERIM STAGES AND SHALL BE BAGGED AND DISCONNECTED AT THE CONTROLLER DURING CONSTRUCTION STAGES 1, 2, AND 3.
- THE CONTRACTOR SHALL RELOCATE THE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM EQUIPMENTS TO THE PROPOSED MAST ARMS.
- ALL NEW LED TRAFFIC SIGNAL HEADS AND TRAFFIC SIGNAL BACKPLATES INSTALLED UNDER IDOT CONTRACT 60W00 WILL BE RETURNED TO THE STATE.
- CONTRACTOR SHALL RELOCATE THE EXISTING 5-SECTION SIGNAL HEAD. (SEE SHEET 55)

**RESTORATION OF WORK AREA**

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

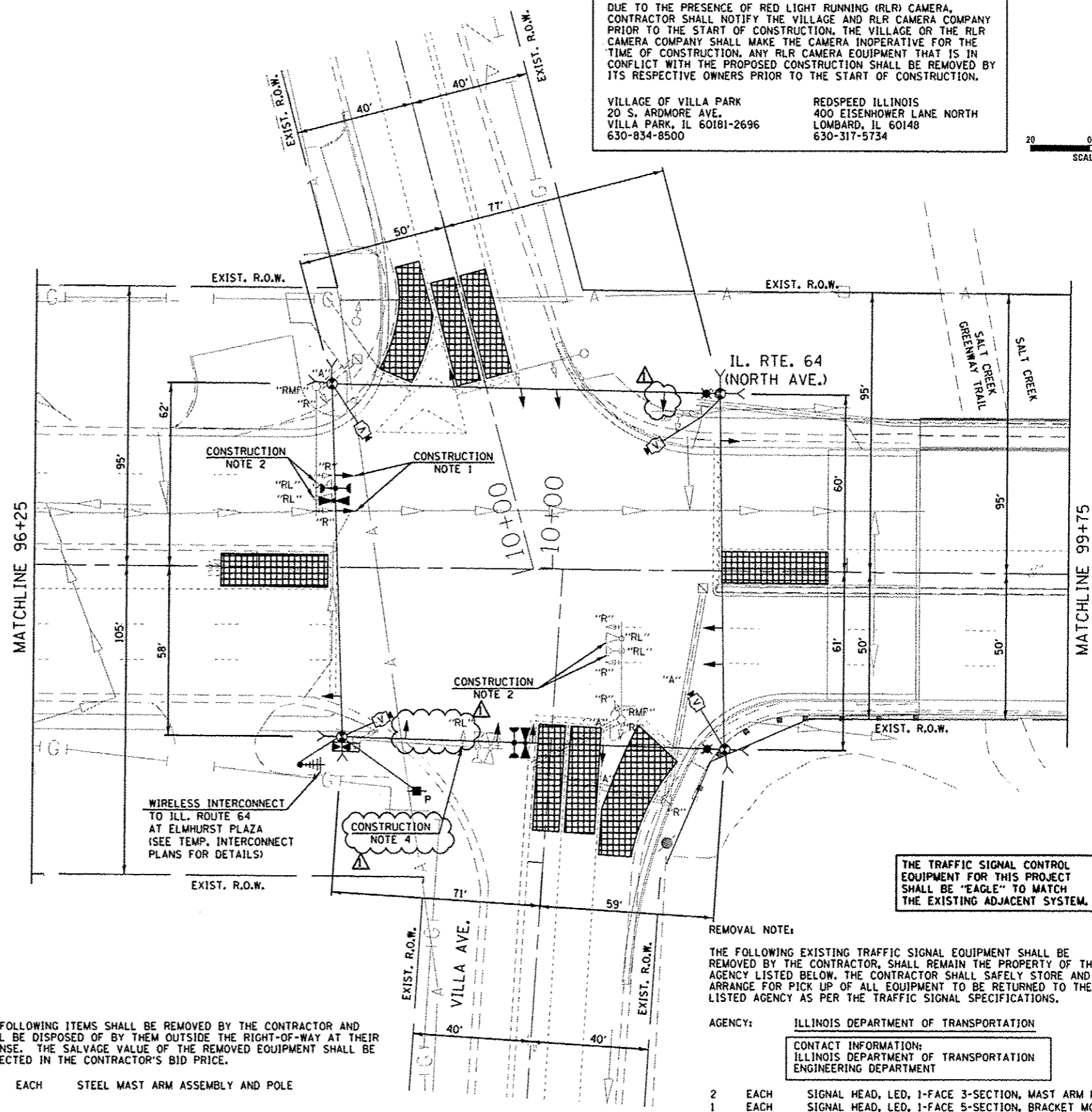
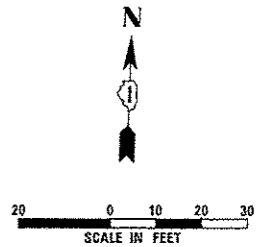
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACTOR'S BID PRICE.

2 EACH STEEL MAST ARM ASSEMBLY AND POLE

DUE TO THE PRESENCE OF RED LIGHT RUNNING (RLR) CAMERA, CONTRACTOR SHALL NOTIFY THE VILLAGE AND RLR CAMERA COMPANY PRIOR TO THE START OF CONSTRUCTION. THE VILLAGE OR THE RLR CAMERA COMPANY SHALL MAKE THE CAMERA INOPERATIVE FOR THE TIME OF CONSTRUCTION. ANY RLR CAMERA EQUIPMENT THAT IS IN CONFLICT WITH THE PROPOSED CONSTRUCTION SHALL BE REMOVED BY ITS RESPECTIVE OWNERS PRIOR TO THE START OF CONSTRUCTION.

VILLAGE OF VILLA PARK  
20 S. ARDMORE AVE.  
VILLA PARK, IL 60181-2696  
630-834-8500

REDSPEED ILLINOIS  
400 EISENHOWER LANE NORTH  
LOMBARD, IL 60148  
630-317-5734



THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

**REMOVAL NOTE:**

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

AGENCY: ILLINOIS DEPARTMENT OF TRANSPORTATION

CONTACT INFORMATION:  
ILLINOIS DEPARTMENT OF TRANSPORTATION  
ENGINEERING DEPARTMENT

2	EACH	SIGNAL HEAD, LED, 1-FACE 3-SECTION, MAST ARM MOUNTED
1	EACH	SIGNAL HEAD, LED, 1-FACE 5-SECTION, BRACKET MOUNTED
2	EACH	SIGNAL HEAD, LED, 1-FACE 5-SECTION, MAST ARM MOUNTED
1	EACH	SIGNAL HEAD, LED, 2-FACE, 2-5 SECTION BRACKET MOUNTED
4	EACH	TRAFFIC SIGNAL BACKPLATE, LOVERED, ALUMINUM

**SIGNAL HEAD PLACEMENT FOR PRE-STAGE/INTERIM**

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN AND REMOVAL PLAN  
ILLINOIS ROUTE 64 (NORTH AVENUE) AT VILLA AVENUE  
PRE-STAGE/INTERIM

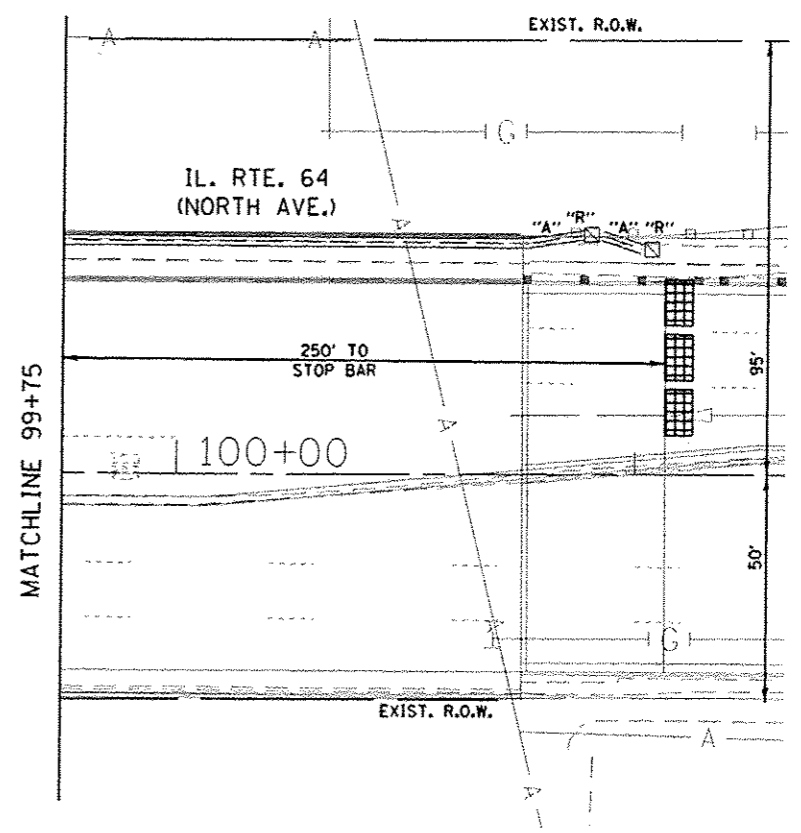
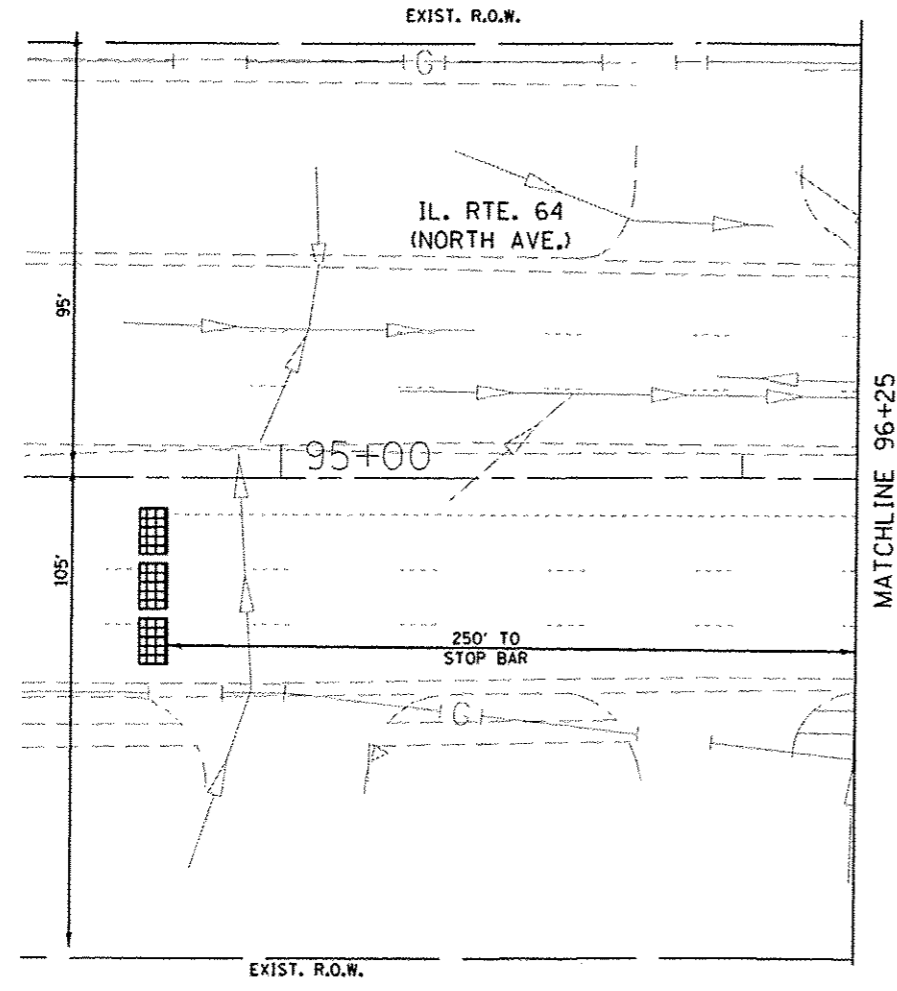
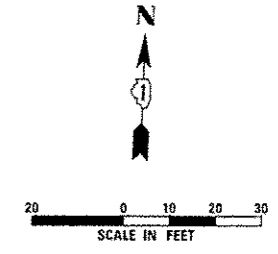
SCALE: AS NOTED SHEET NO. 7 OF 26 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	131B-BR	DUPAGE	111	50
				CONTRACT NO. 60V24
ILLINOIS FED. AID PROJECT				

<b>SINGH</b> SINGH & ASSOCIATES INC. CONSULTING ENGINEERS	USER NAME	DESIGNED	REVISED
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	PLLOT SCALE = 48.00000001.000000	DRAWN	REVISED
	MGARRIDA	MG	
PLLOT DATE = 08-JAN-2014 15:54	CHECKED	REVISED	
	KGP		
	DATE	REVISED	
	10/25/2013		

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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**CONSTRUCTION NOTES:**

- FAR OUT VIDEO DETECTION ZONES SHALL BE REDEFINED FOR EACH CONSTRUCTION STAGE AS NECESSARY. THIS WORK SHALL BE PART OF "TEMPORARY TRAFFIC SIGNAL INSTALLATION."

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

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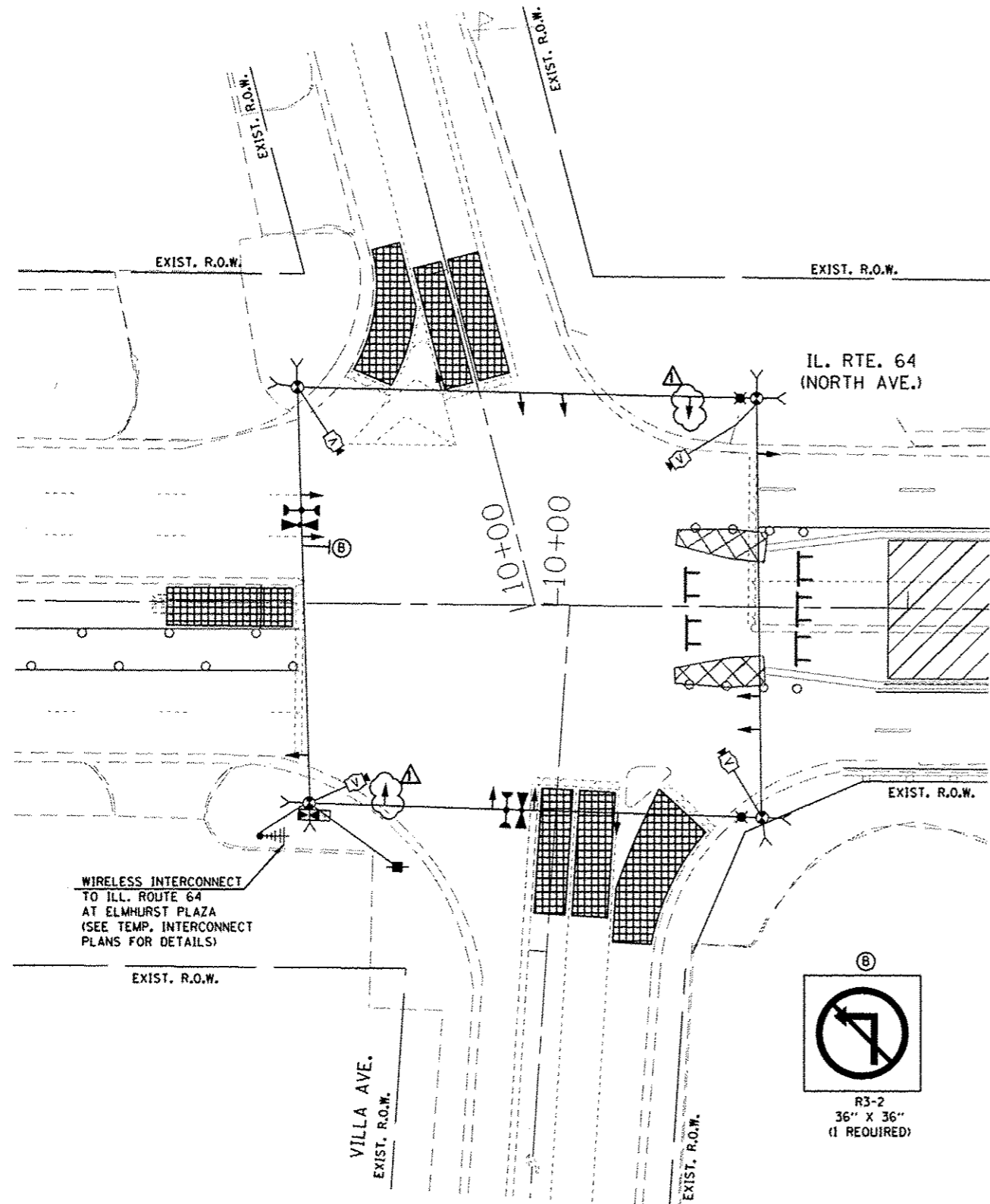
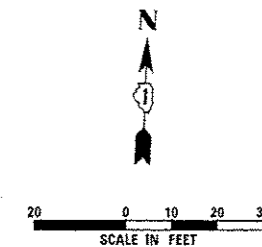
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

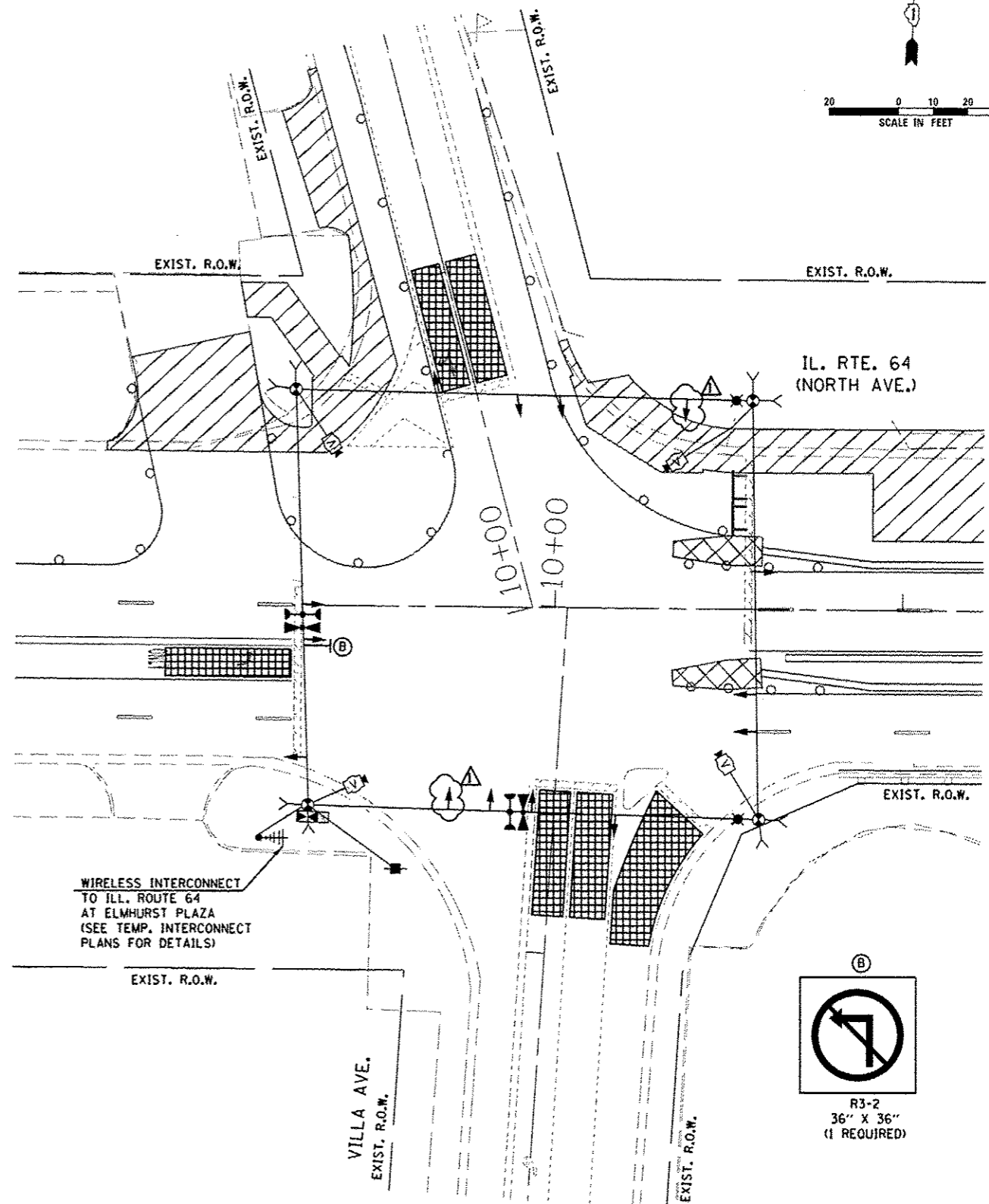
TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN AND REMOVAL PLAN  
ILLINOIS ROUTE 64 (NORTH AVENUE) AT VILLA AVENUE  
PRE-STAGE

SCALE: AS NOTED SHEET NO. 8 OF 26 SHEETS STA. TO STA.

F.A.P. RTE. 307	SECTION 131B-BR	COUNTY DUPAGE	TOTAL SHEETS 111	SHEET NO. 51
CONTRACT NO. 60V24			ILLINOIS FED. AID PROJECT	



**SIGNAL HEAD PLACEMENT FOR STAGE 1**



**SIGNAL HEAD PLACEMENT FOR STAGE 2**

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

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DESIGNED	- MG
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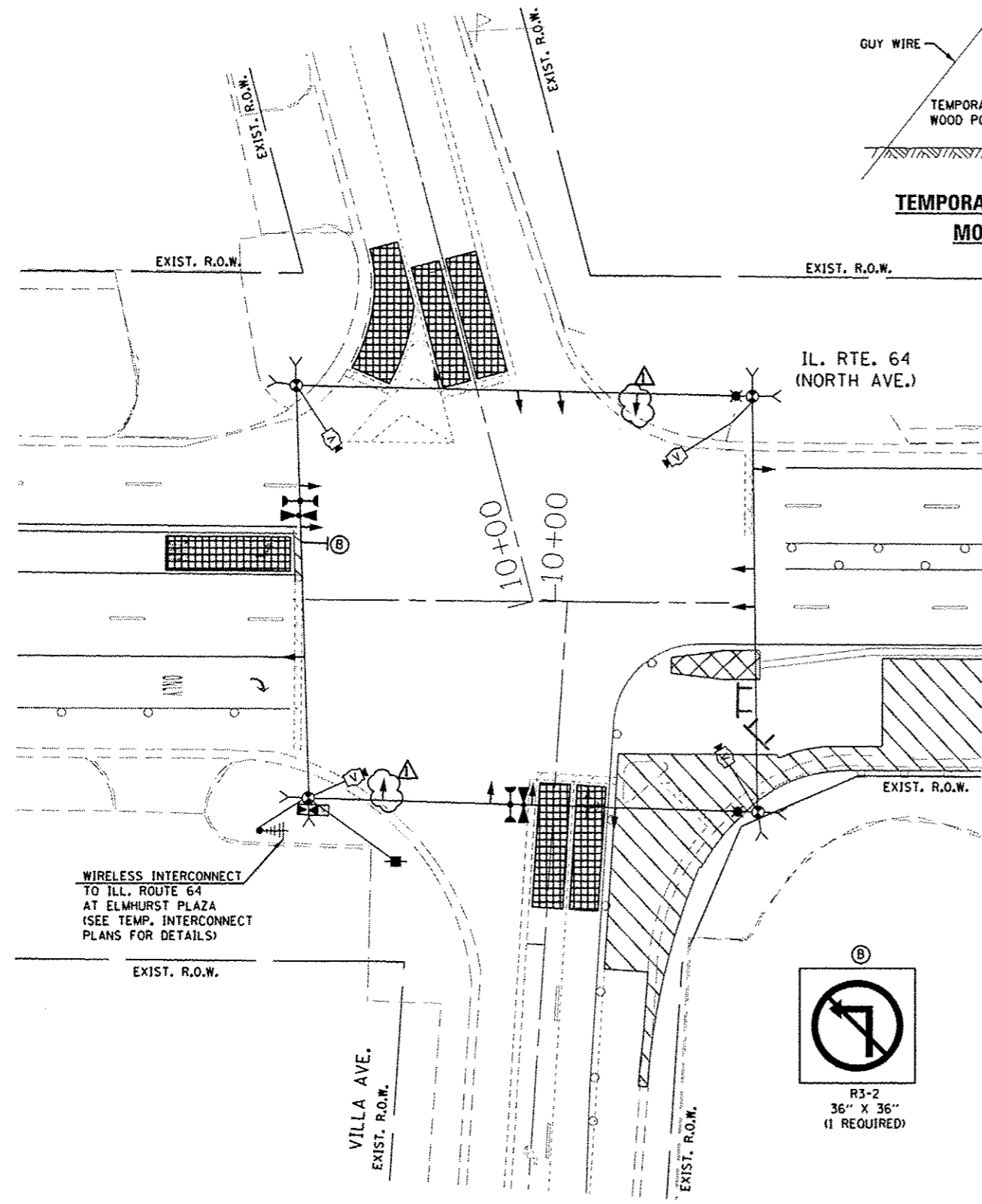
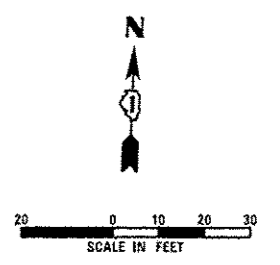
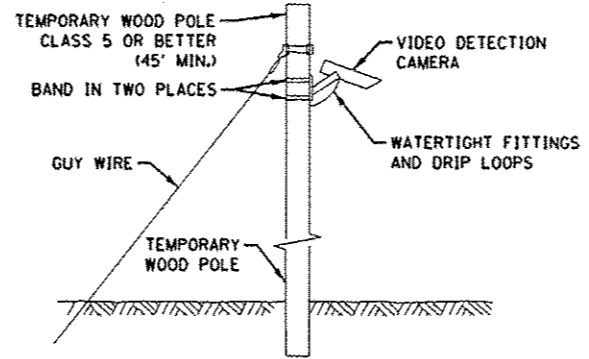
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DATE	- 10/25/2013	REVISED	-

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

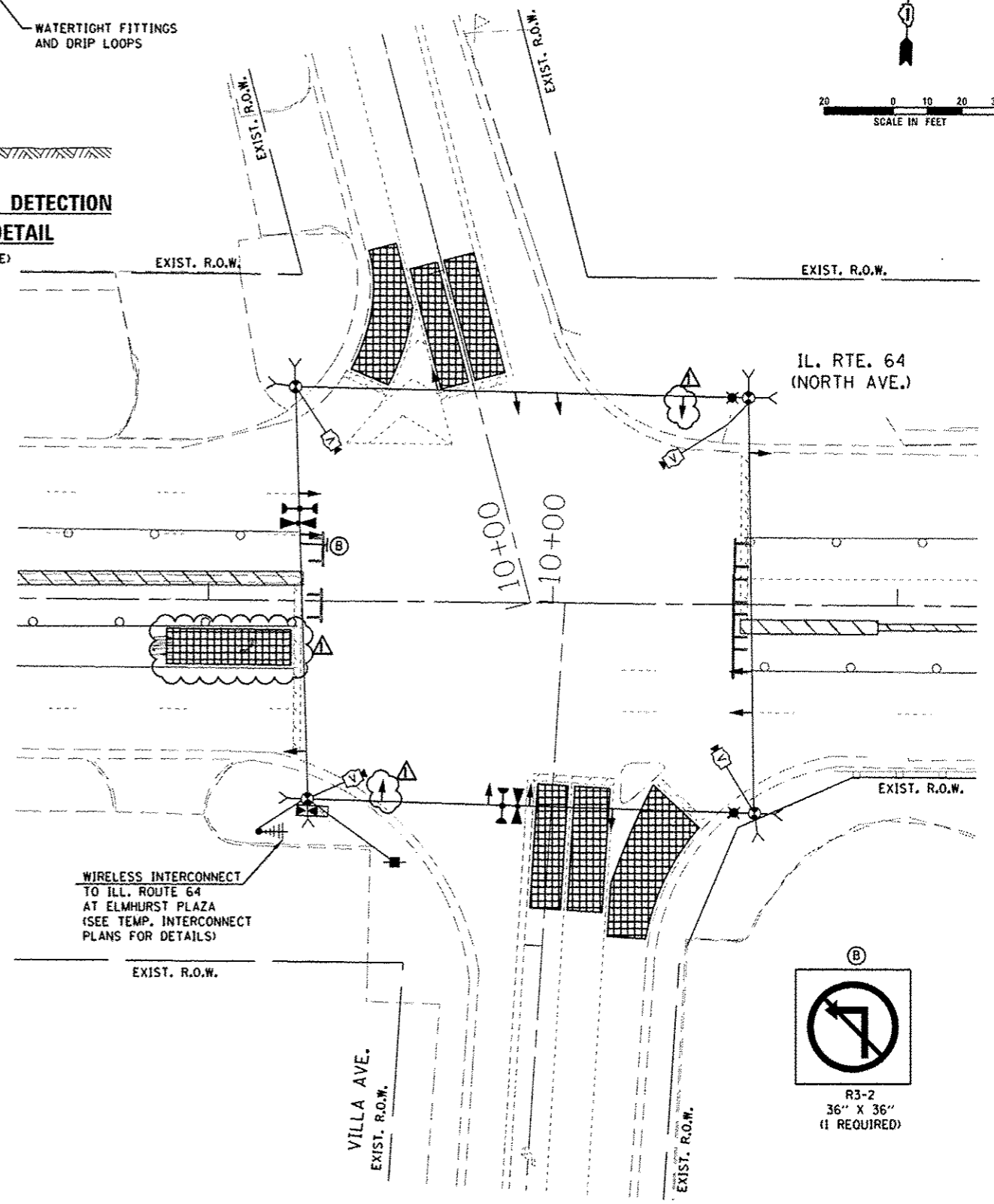
TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN			
ILLINOIS ROUTE 64 (NORTH AVENUE) AT VILLA AVENUE			
STAGE 1 AND STAGE 2			
SCALE: AS NOTED	SHEET NO. 9	OF 26 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
307	131B-BR	DUPAGE	111 52
			CONTRACT NO. 60V24
ILLINOIS FED. AID PROJECT			





**SIGNAL HEAD PLACEMENT FOR STAGE 3**



**SIGNAL HEAD PLACEMENT FOR STAGE 3A**

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

*Rev. 1-8-14*

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**SINGH**  
INCORPORATED  
CONSULTING ENGINEERS

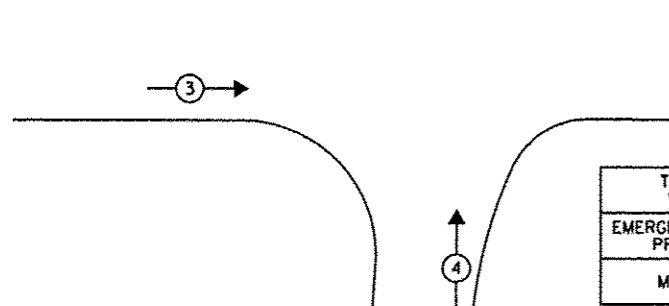
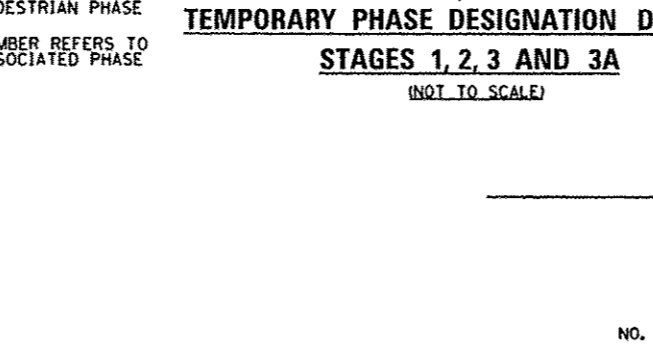
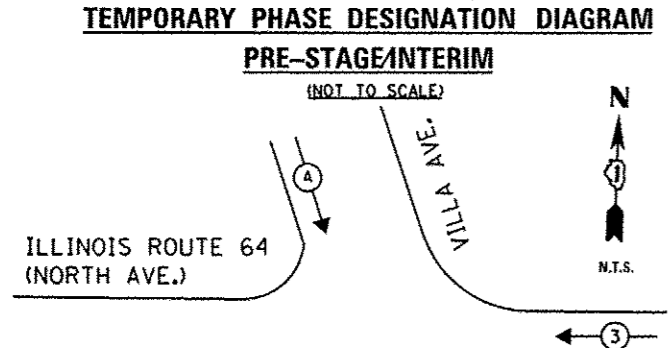
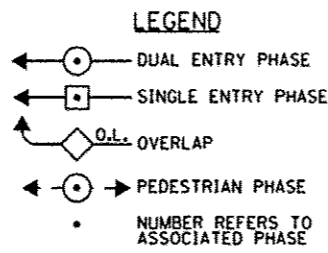
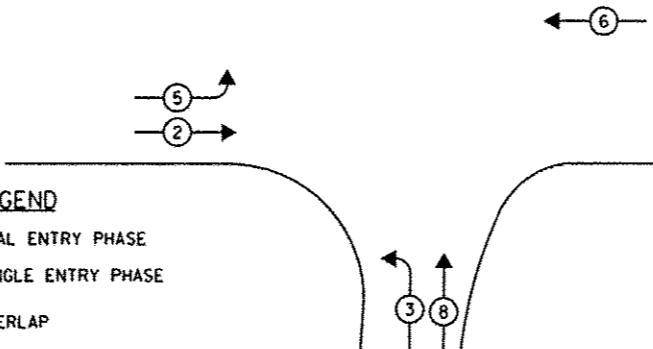
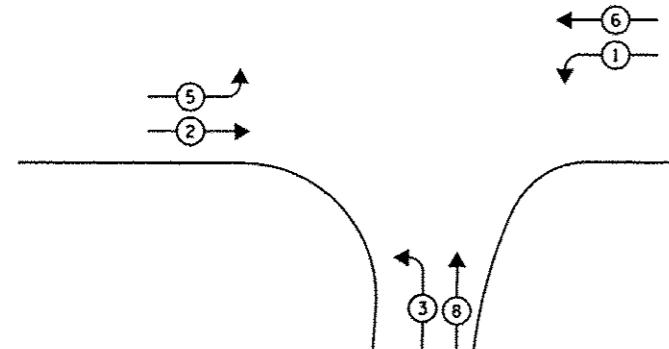
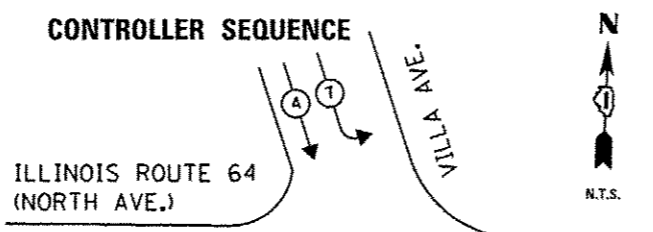
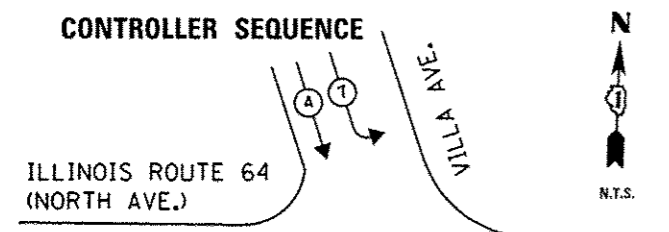
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

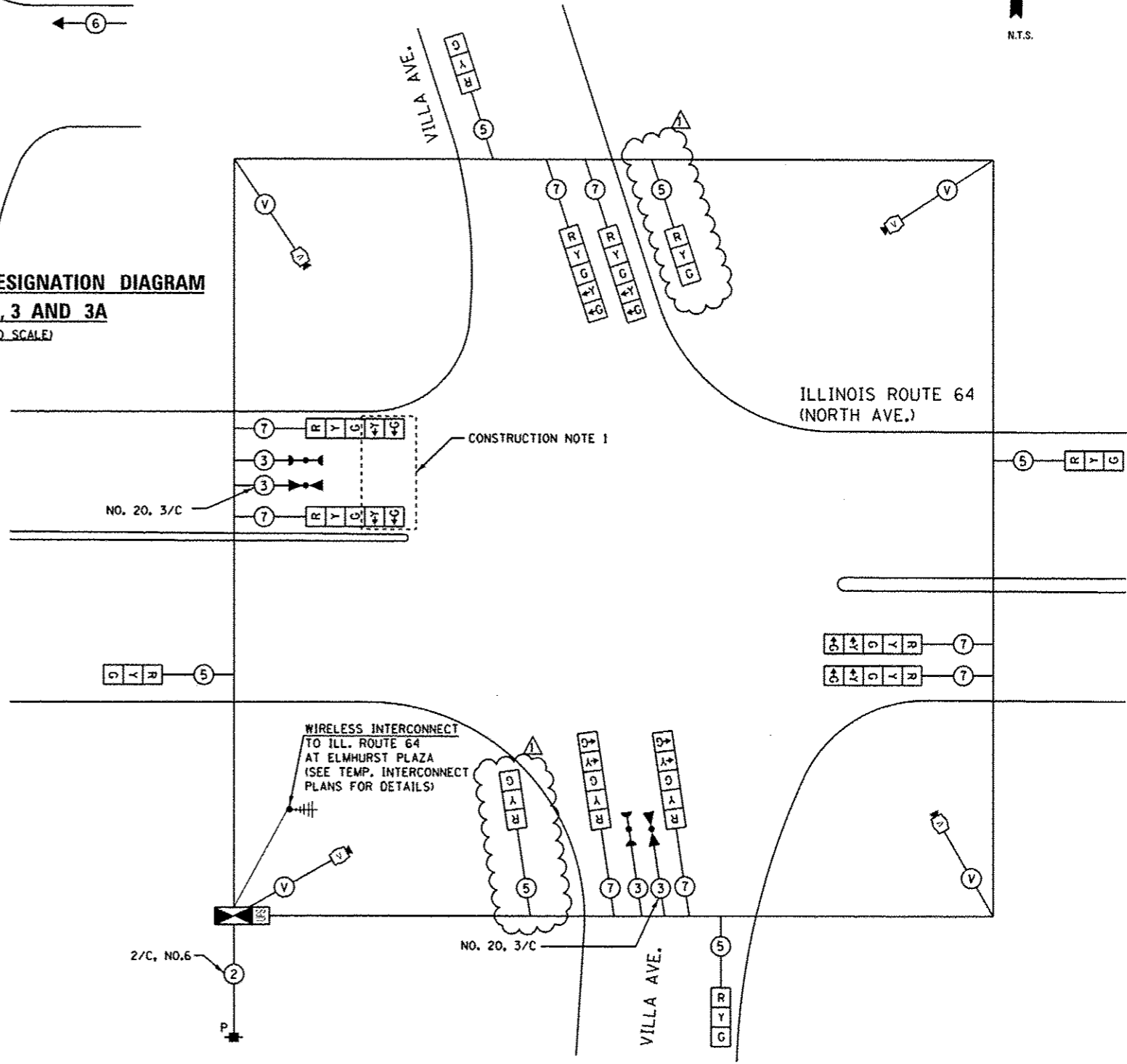
TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN  
ILLINOIS ROUTE 64 (NORTH AVENUE) AT VILLA AVENUE  
STAGE 3 AND STAGE 3A

SCALE: AS NOTED SHEET NO. 10 OF 26 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	131B-BR	DUPAGE	111	53
CONTRACT NO. 60V24			ILLINOIS FED. AID PROJECT	



TEMPORARY EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	←→	↑↓



WIRELESS INTERCONNECT TO ILL. ROUTE 64 AT ELMHURST PLAZA (SEE TEMP. INTERCONNECT PLANS FOR DETAILS)

CONSTRUCTION NOTE 1

**CABLE PLAN**  
(NOT TO SCALE)

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				
TYPE	NO LAMPS	WATTAGE	%OPERATION	TOTAL WATTAGE
SIGNAL (RED)	14	17	0.50	119.00
(YELLOW)	14	25	0.25	87.50
(GREEN)	14	15	0.25	52.50
ARROW	16	12	0.10	19.20
PED. SIGNAL		25	1.00	
CONTROLLER	1	100	1.00	100.00
ILLUM. SIGN		25	0.05	
VIDEO SYSTEM	1	150	1.00	150.00
FLASHER			0.50	
ENERGY COSTS TO:				TOTAL =
				528.20

ILLINOIS DEPARTMENT OF TRANSPORTATION  
201 WEST CENTER COURT  
SCHAMBURG, ILLINOIS 60196-1096  
ENERGY SUPPLY CONTACT: DEB RANKIN  
PHONE: (630) 691-4379  
COMPANY: COMMONWEALTH EDISON

**CONSTRUCTION NOTES:**

- THE YELLOW ARROW AND GREEN ARROW INDICATION ON THE 5-SECTION SIGNAL HEAD FOR THE WESTBOUND DIRECTION SHALL BE USED ONLY DURING PRE-CONSTRUCTION AND INTERIM STAGES AND SHALL BE BAGGED AND DISCONNECTED AT THE CONTROLLER DURING CONSTRUCTION STAGES 1, 2, 3 AND 3A.

**SINGH**  
SINGH & ASSOCIATES INC.  
CONSULTING ENGINEERS

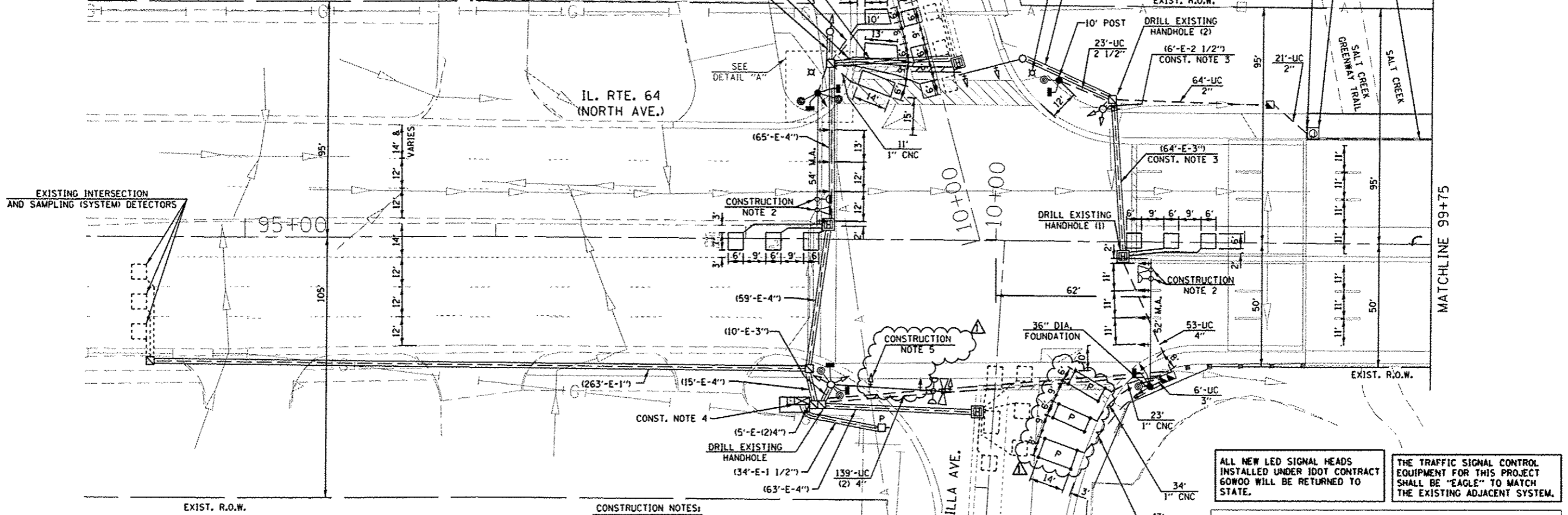
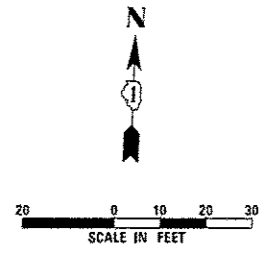
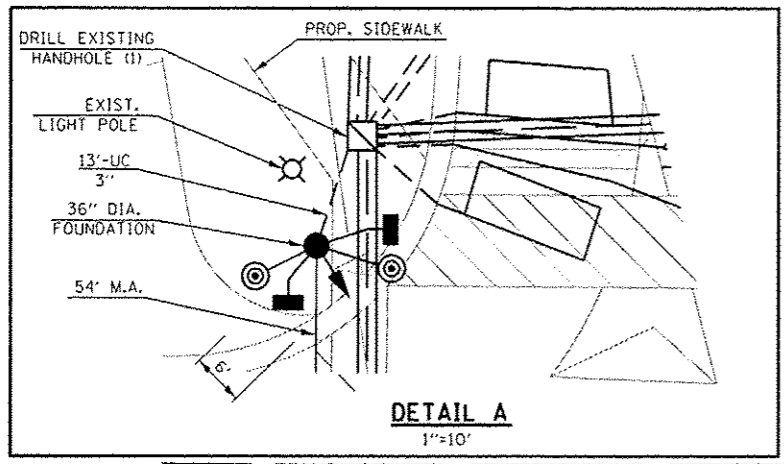
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM,  
AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION  
ILLINOIS ROUTE 64 (NORTH AVENUE) AT VILLA AVENUE  
SCALE: AS NOTED SHEET NO. 11 OF 26 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	131B-BR	DUPAGE	111	54
CONTRACT NO. 60V24			ILLINOIS FED. AID PROJECT	

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- GENERAL NOTES:**
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION, THIS SHALL INCLUDE LOCATING THE MAST ARM FOUNDATIONS AND VERIFYING THE MAST ARMS LENGTHS.
  - THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ORDERING ANY MATERIALS AND STARTING ANY WORK. FOR LOCATIONS OF UTILITIES, LOCALLY OWNED EQUIPMENT, LEASED ENFORCEMENT CAMERA SYSTEM FACILITIES AND IDOT UNDERGROUND FACILITIES, CONTACT THE LOCAL COUNTIES, MUNICIPALITIES AND IDOT FOR LOCATES. THE CONTRACTOR SHALL CALL JULIE AT (800) 892-0123 OR 811, IN THE CITY OF CHICAGO. CONTACT DIGGER AT (312) 744-7000 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION REQUIRED).
  - THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL COORDINATE ANY CONFLICTS WITH THE UTILITY COMPANIES AND THE RESIDENT ENGINEER BEFORE ORDERING MATERIALS.
  - THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, LOCAL GOVERNMENT AGENCIES AND IDOT.

- CONSTRUCTION NOTES:**
- SEE STRUCTURE PLANS FOR DETAILS ON EMBEDDED CONDUIT AND JUNCTION BOX IN PARAPET ON SHEET 80 AND 82.
  - CONTRACTOR SHALL RELOCATE THE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM EQUIPMENTS TO THE PROPOSED MAST ARM.
  - CONTRACTOR SHALL REMOVE EXISTING CABLES ON THE NOTED EXISTING CONDUITS.
  - DISCONNECT THE EXISTING ELECTRICAL CABLES USED FOR THE TRAFFIC SIGNAL HEADS AND EYP EQUIPMENTS MOUNTED ON THE EXISTING NORTHWEST MAST ARM AND POLE FROM THE CONTROLLER AND SHALL BE PULLED OUT FOR REMOVAL.
  - CONTRACTOR SHALL RELOCATE EXISTING 5-SECTION SIGNAL HEAD.

ALL NEW LED SIGNAL HEADS INSTALLED UNDER IDOT CONTRACT 60W00 WILL BE RETURNED TO STATE.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

DUE TO THE PRESENCE OF RED LIGHT RUNNING (RLR) CAMERA, CONTRACTOR SHALL NOTIFY THE VILLAGE AND RLR CAMERA COMPANY PRIOR TO THE START OF CONSTRUCTION. THE VILLAGE OR THE RLR CAMERA COMPANY SHALL MAKE THE CAMERA INOPERATIVE FOR THE TIME OF CONSTRUCTION. ANY RLR CAMERA EQUIPMENT THAT IS IN CONFLICT WITH THE PROPOSED CONSTRUCTION SHALL BE REMOVED BY ITS RESPECTIVE OWNERS PRIOR TO THE START OF CONSTRUCTION.

VILLAGE OF VILLA PARK  
20 S. ARDMORE AVE.  
VILLA PARK, IL 60181-2696  
630-834-8500

REDSPEED ILLINOIS  
400 EISENHOWER LANE NORTH  
LOMBARD, IL 60148  
630-317-5734

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

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SINGH & ASSOCIATES, INC.  
CONSULTING ENGINEERS

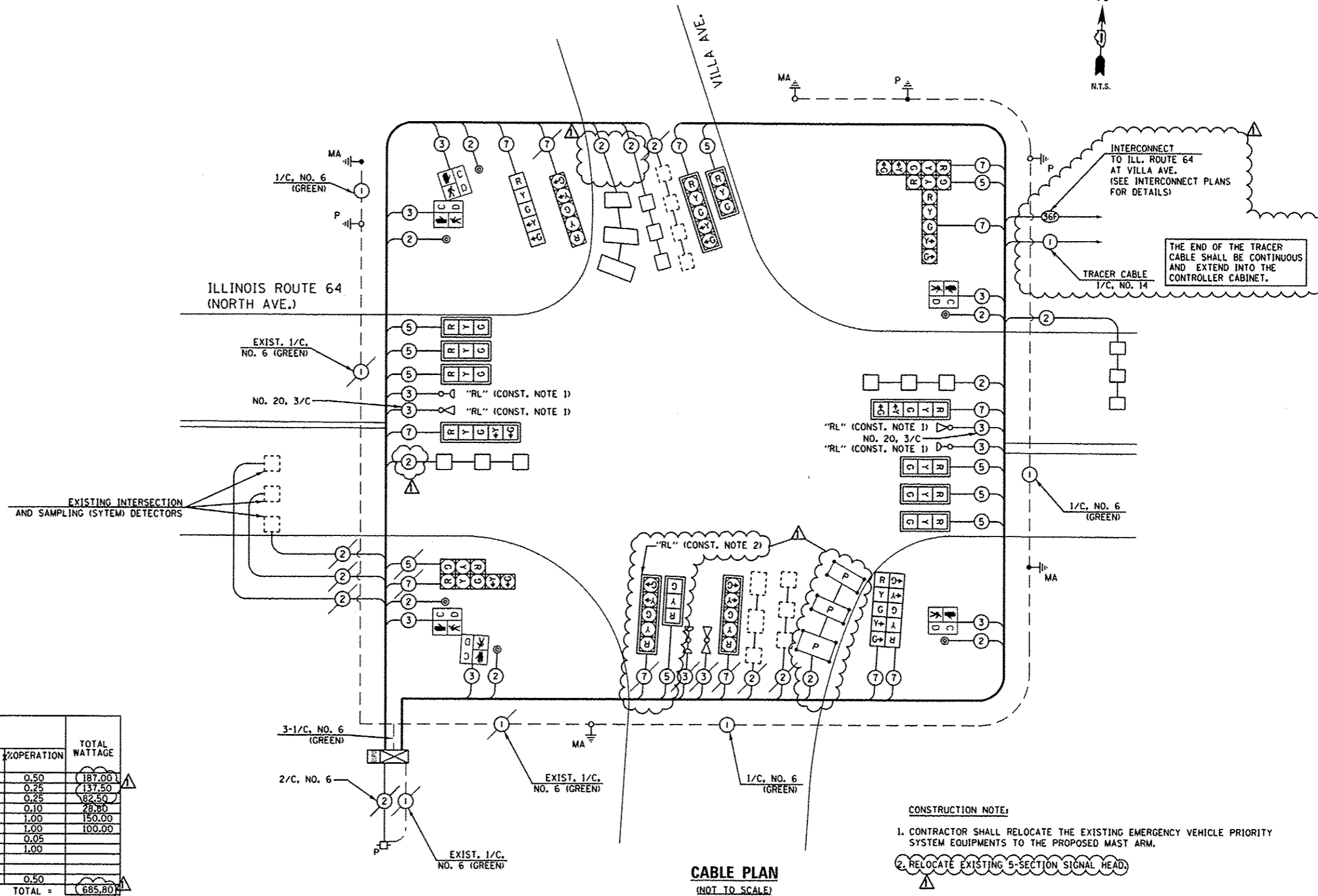
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		DATE - 10/25/2013	REVISED -
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL INSTALLATION PLAN  
ILLINOIS ROUTE 64 (NORTH AVENUE) AT VILLA AVENUE

SCALE: AS NOTED SHEET NO. 12 OF 26 SHEETS STA. TO STA.

F.A.P. RTE. 307	SECTION 1318-BR	COUNTY DUPAGE	TOTAL SHEETS 111	SHEET NO. 55
CONTRACT NO. 60V24			ILLINOIS FED. AID PROJECT	



**CABLE PLAN**  
(NOT TO SCALE)

- CONSTRUCTION NOTE:**
1. CONTRACTOR SHALL RELOCATE THE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM EQUIPMENTS TO THE PROPOSED MAST ARM.
  2. RELOCATE EXISTING 5-SECTION SIGNAL HEAD.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS						
TYPE	NO LAMPS		WATTAGE		%OPERATION	TOTAL WATTAGE
	INCAND.	LED	INCAND.	LED		
SIGNAL (RED)	22			17	0.50	187.00
(YELLOW)	22			25	0.25	137.50
(GREEN)	22			15	0.25	82.50
ARROW	24			12	0.10	28.80
PED. SIGNAL	6			25	1.00	150.00
CONTROLLER	1			100	1.00	100.00
ILLUM. SIGN				25	0.05	
VIDEO SYSTEM			150		1.00	
FLASHER					0.50	
ENERGY COSTS TO:					TOTAL =	685.80

ILLINOIS DEPARTMENT OF TRANSPORTATION  
201 WEST CENTER COURT  
SCHLAUBURG, ILLINOIS 60196-1096  
ENERGY SUPPLY CONTACT: DEB RANKIN  
PHONE: (630) 691-4379  
COMPANY: COMMONWEALTH EDISON



USER NAME: mgar-vido  
DESIGNED: MG  
DRAWN: MG  
CHECKED: KCP  
PLOT DATE: 08-JAN-2014 15:57

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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CABLE PLAN, PHASE DESIGNATION DIAGRAM,  
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION  
ILLINOIS ROUTE 64 (NORTH AVENUE) AT VILLA AVENUE  
SCALE: AS NOTED SHEET NO. 14 OF 26 SHEETS STA. TO STA.

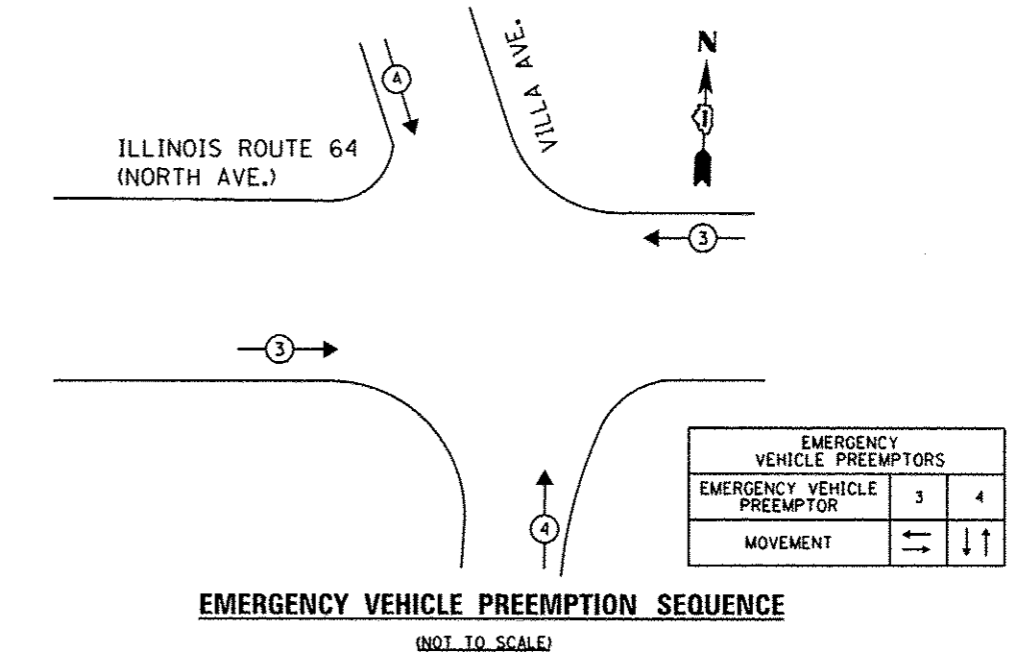
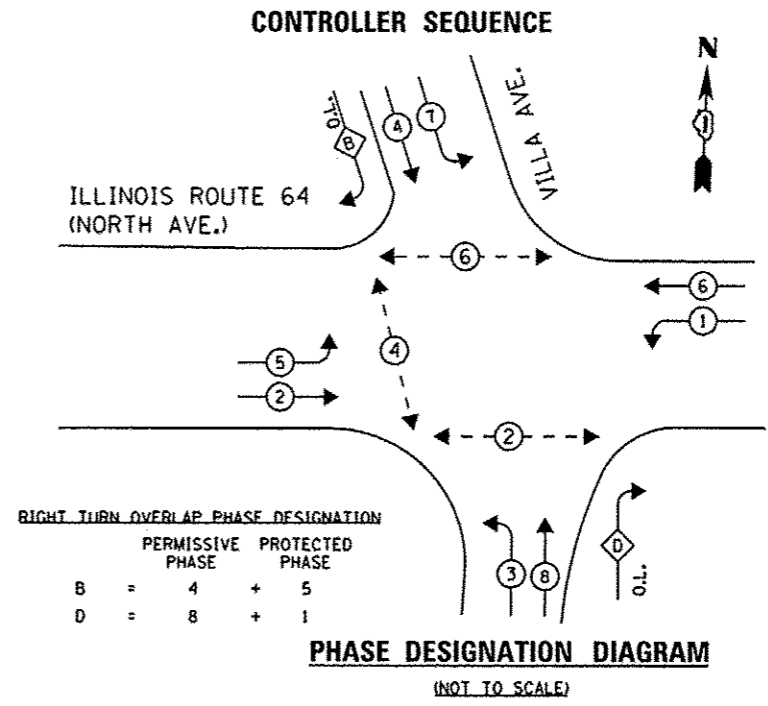
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CONTRACT NO. 60V24				ILLINOIS FED. AID PROJECT

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**SCHEDULE OF QUANTITIES**

QUANTITY	UNIT	ITEM
6	SQ FT	SIGN PANEL - TYPE 1
125	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.
23	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.
19	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.
331	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.
146	FOOT	CONDUIT EMBEDDED IN STRUCTURE, 2" DIA, PVC
2	EACH	JUNCTION BOX EMBEDDED IN STRUCTURE 18" X 12" X 6"
2	EACH	HANDHOLE
1	EACH	DOUBLE HANDHOLE
1029	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
1594	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
2246	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
2189	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C
1544	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR
415	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C
1	EACH	TRAFFIC SIGNAL POST, 10 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 54 FT.
4	FOOT	CONCRETE FOUNDATION, TYPE A
30	FOOT	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER
4	EACH	DRILL EXISTING HANDHOLE
1	EACH	DRILL EXISTING HEAVY DUTY HANDHOLE
7	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED
1	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED
2	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED
1	EACH	SIGNAL HEAD, LED, 2-FACE, 5-SECTION, BRACKET MOUNTED
2	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
2	EACH	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
9	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
616	FOOT	DETECTOR LOOP, TYPE I
135	FOOT	PREFORMED DETECTOR LOOP
6	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION
1	EACH	RELOCATE EXISTING SIGNAL HEAD
*	2	RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT
1	EACH	MODIFY EXISTING CONTROLLER CABINET
1996	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
2	EACH	REMOVE EXISTING HANDHOLE
2	EACH	REMOVE EXISTING CONCRETE FOUNDATION
*	523	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C
1	EACH	TEMPORARY TRAFFIC SIGNAL TIMING

\* 100% COST TO VILLAGE OF VILLA PARK



THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

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	DATE - 10/25/2013	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION, AND SCHEDULE OF QUANTITIES  
ILLINOIS ROUTE 64 (NORTH AVENUE) AT VILLA AVENUE  
SCALE: AS NOTED SHEET NO. 15 OF 26 SHEETS STA. TO STA.

F.A.P. RTE. 307	SECTION 131B-BR	COUNTY DUPAGE	TOTAL SHEETS 111	SHEET NO. 58
CONTRACT NO. 60V24			ILLINOIS FED. AID PROJECT	



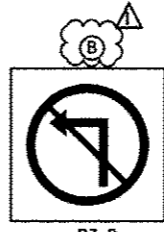
**RESTORATION OF WORK AREA**  
 RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIAN, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN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

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACTOR'S BID PRICE.

2 EACH STEEL MAST ARM ASSEMBLY AND POLE

WIRELESS INTERCONNECT TO ILL. ROUTE 64 AT VILLA AVE. (SEE TEMP. INTERCONNECT PLANS FOR DETAILS)

12"-UC 2" (CONSTRUCTION NOTE 1)



R3-2  
 36" X 36"  
 (1 REQUIRED)

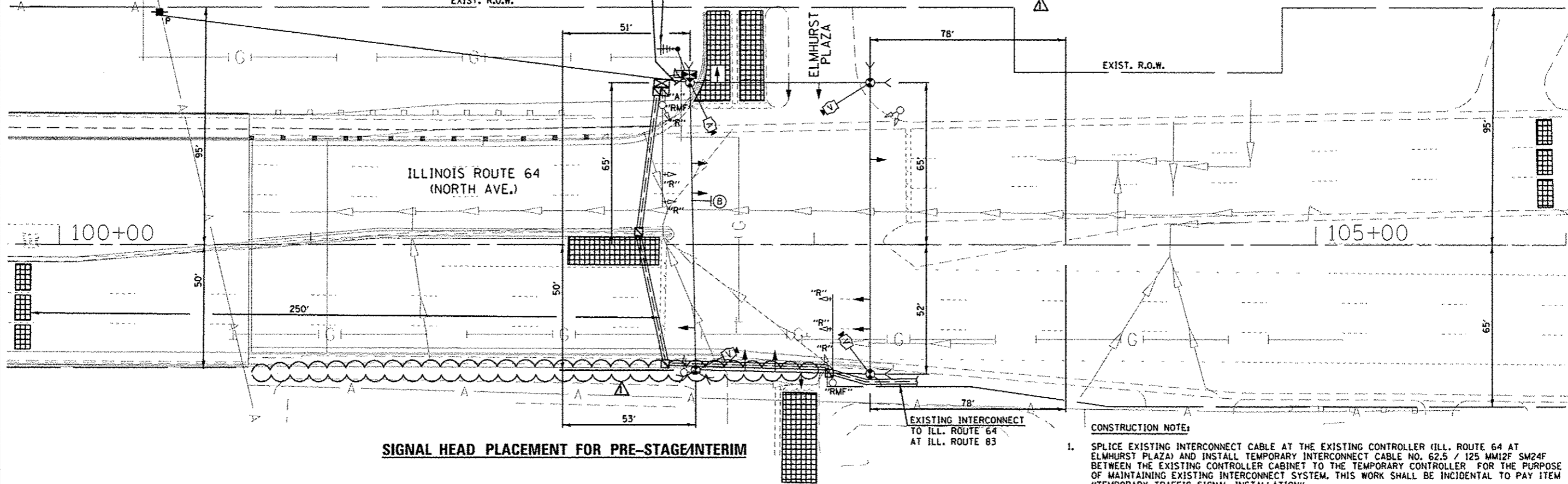
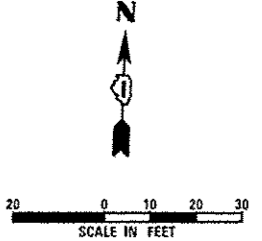
**REMOVAL NOTE:**

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

AGENCY: ILLINOIS DEPARTMENT OF TRANSPORTATION

CONTACT INFORMATION:  
 ILLINOIS DEPARTMENT OF TRANSPORTATION  
 ENGINEERING DEPARTMENT

- 2 EACH SIGNAL HEAD, 1-FACE 3-SECTION, BRACKET MOUNTED
- 3 EACH SIGNAL HEAD, 1-FACE 3-SECTION, MAST ARM MOUNTED
- 4 EACH SIGNAL HEAD, 1-FACE 5-SECTION, MAST ARM MOUNTED
- 4 EACH TRAFFIC SIGNAL BACKPLATE



**SIGNAL HEAD PLACEMENT FOR PRE-STAGE/INTERIM**

**NOTES FOR TEMPORARY TRAFFIC SIGNALS**

1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
2. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" (300MM) DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
6. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
7. UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL, TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.
8. TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
9. DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATION OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
10. WHEN PAN, TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR ARE CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.

**CONSTRUCTION NOTE:**

1. SPLICE EXISTING INTERCONNECT CABLE AT THE EXISTING CONTROLLER (ILL. ROUTE 64 AT ELMHURST PLAZA) AND INSTALL TEMPORARY INTERCONNECT CABLE NO. 62.5 / 125 MM12F SM24F BETWEEN THE EXISTING CONTROLLER CABINET TO THE TEMPORARY CONTROLLER FOR THE PURPOSE OF MAINTAINING EXISTING INTERCONNECT SYSTEM. THIS WORK SHALL BE INCIDENTAL TO PAY ITEM "TEMPORARY TRAFFIC SIGNAL INSTALLATION".
2. ALL NEW LED TRAFFIC SIGNAL HEADS AND TRAFFIC SIGNAL BACKPLATES INSTALLED UNDER IDOT CONTRACT 60W00 WILL BE RETURNED TO THE STATE.
3. FAR OUT VIDEO DETECTION ZONES SHALL BE REDEFINED AS NECESSARY FOR EACH CONSTRUCTION STAGE. THIS WORK SHALL BE PART OF "TEMPORARY TRAFFIC SIGNAL INSTALLATION".

**GENERAL NOTES:**

1. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM FOUNDATIONS AND VERIFYING THE MAST ARMS LENGTHS.
2. THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ORDERING ANY MATERIALS AND STARTING ANY WORK. FOR LOCATIONS OF UTILITIES, LOCALLY OWNED EQUIPMENT, LEASED ENFORCEMENT CAMERA SYSTEM FACILITIES AND IDOT UNDERGROUND FACILITIES, CONTACT THE LOCAL COUNTIES, MUNICIPALITIES AND IDOT FOR LOCATES. THE CONTRACTOR SHALL CALL JULIE AT (800) 892-0123 OR 811, IN THE CITY OF CHICAGO. CONTACT DIGGER AT (312) 744-7000 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION REQUIRED).
3. THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL COORDINATE ANY CONFLICTS WITH THE UTILITY COMPANIES AND THE RESIDENT ENGINEER BEFORE ORDERING MATERIALS.
4. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, LOCAL GOVERNMENT AGENCIES AND IDOT.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

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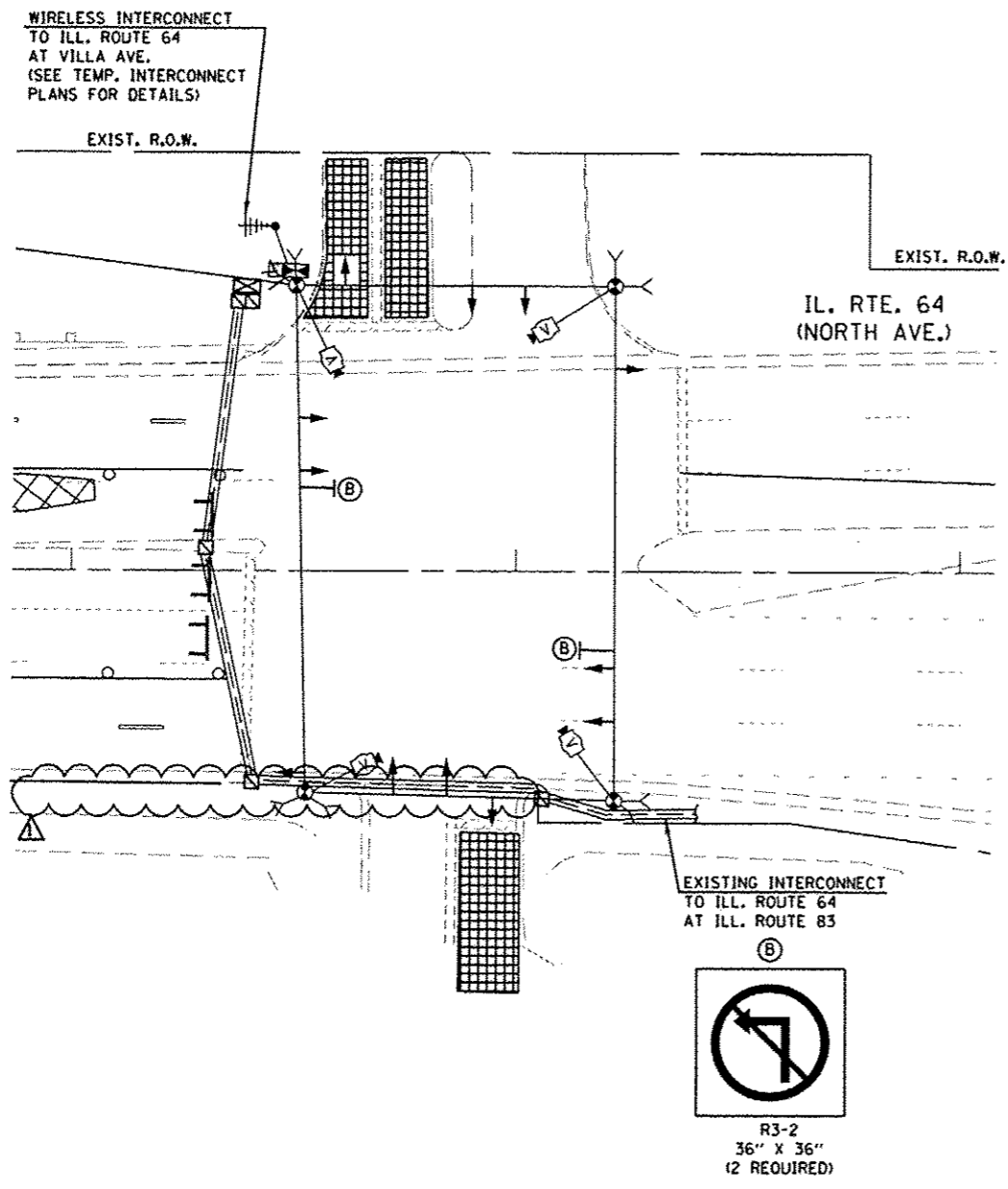
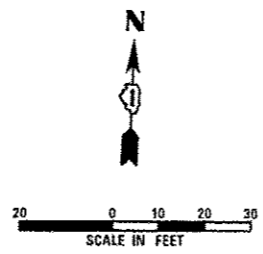
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

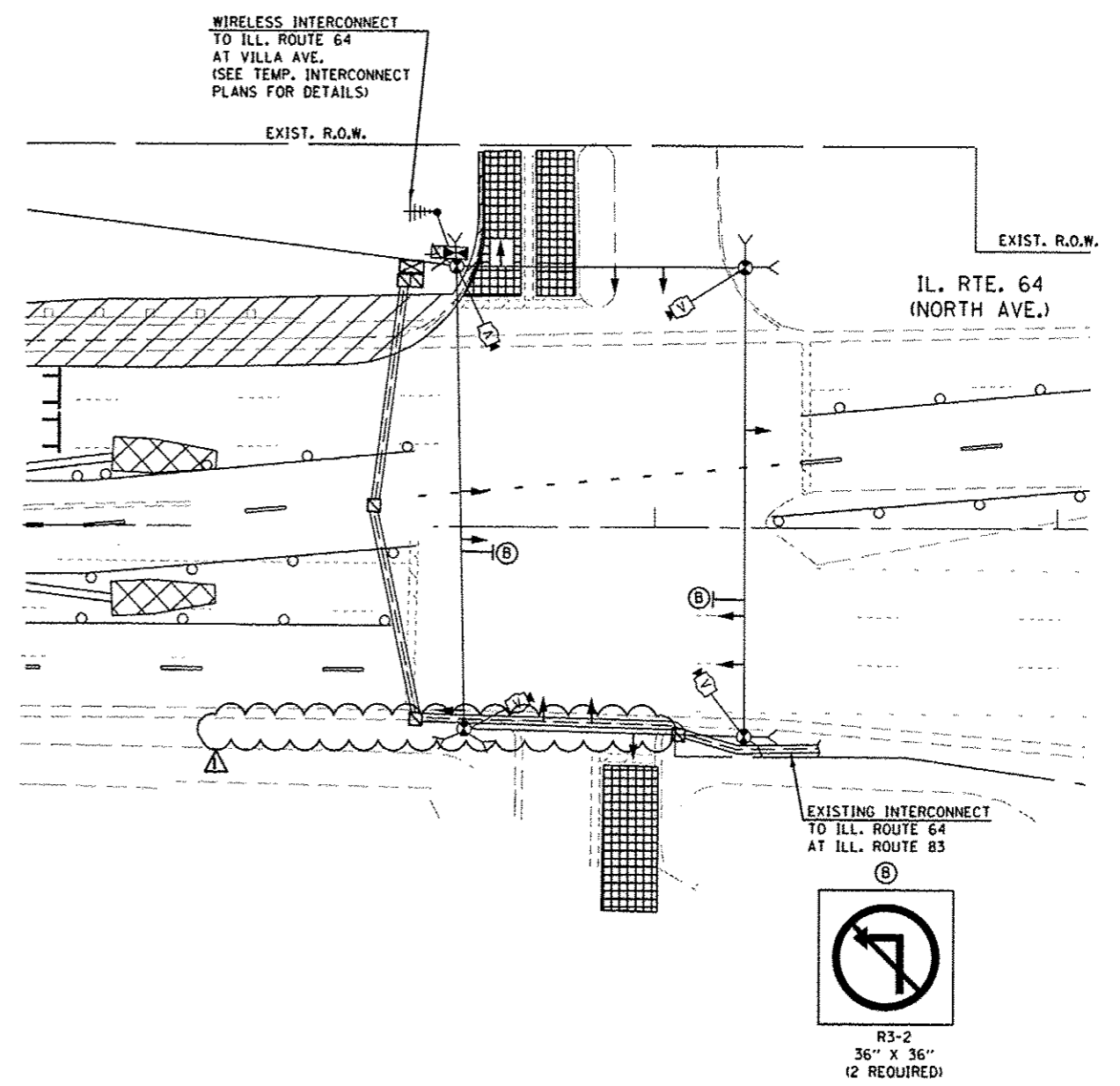
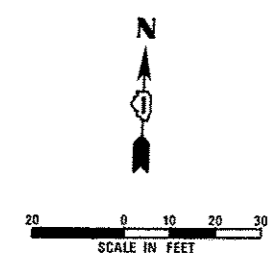
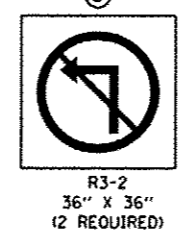
TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN AND REMOVAL PLAN  
 ILLINOIS ROUTE 64 (NORTH AVENUE) AT ELMHURST PLAZA  
 PRE-STAGE/INTERIM

SCALE: AS NOTED SHEET NO. 16 OF 26 SHEETS STA. TO STA.

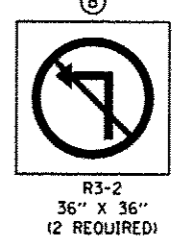
F.A.P. RTE. 307	SECTION 131B-BR	COUNTY DUPAGE	TOTAL SHEETS 111	SHEET NO. 59
				CONTRACT NO. 60V24
ILLINOIS FED. AID PROJECT				



**SIGNAL HEAD PLACEMENT FOR STAGE 1**



**SIGNAL HEAD PLACEMENT FOR STAGE 2**



THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

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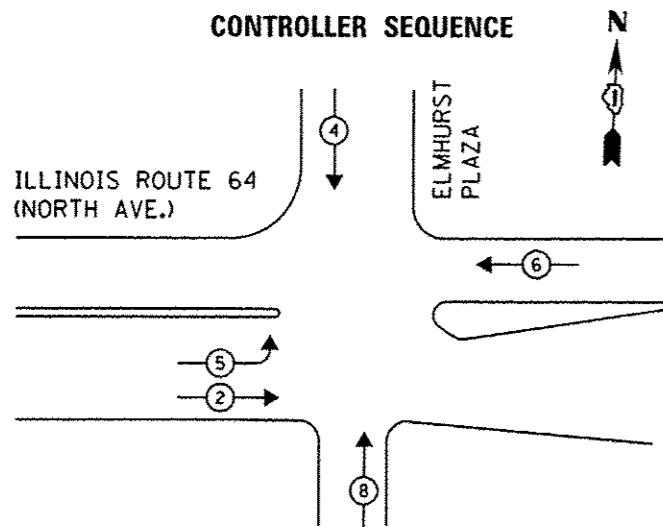
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PLOT DATE * 08-JAN-2014 15:55	DATE - 10/25/2013	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN  
ILLINOIS ROUTE 64 (NORTH AVENUE) AT ELMHURST PLAZA  
STAGE 1 AND STAGE 2  
SCALE: AS NOTED SHEET NO. 17 OF 26 SHEETS STA. TO STA.

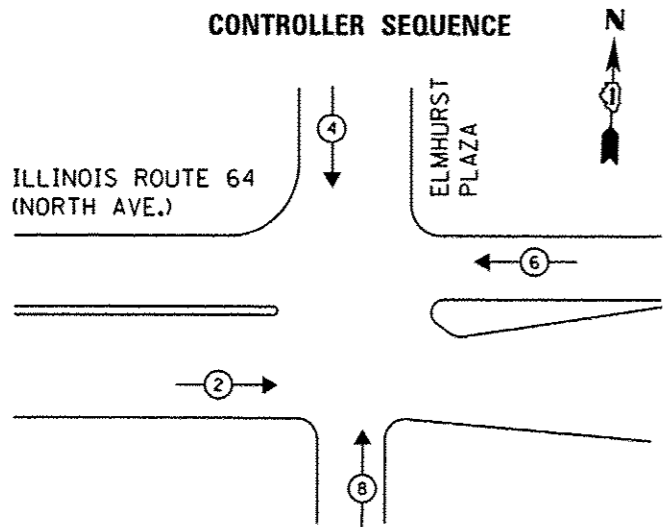
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DUPAGE			CONTRACT NO. 60V24	
ILLINOIS FED. AID PROJECT				





**TEMPORARY PHASE DESIGNATION DIAGRAM  
PRE-STAGE AND INTERIM**

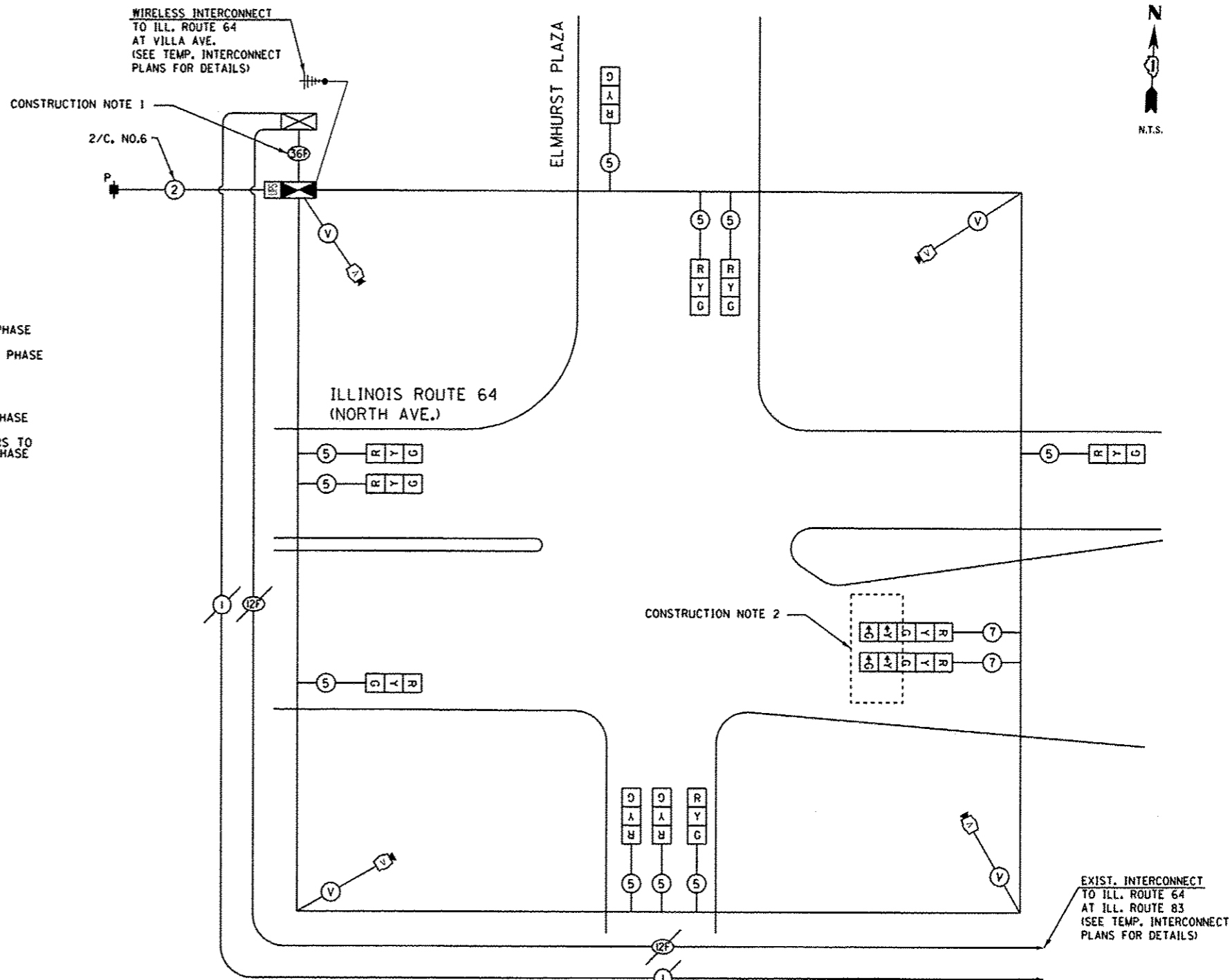
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**TEMPORARY PHASE DESIGNATION DIAGRAM  
STAGES 1, 2, 3 AND 3A**

(NOT TO SCALE)

- LEGEND**
- ◀ ○ ▶ DUAL ENTRY PHASE
  - ◀ □ ▶ SINGLE ENTRY PHASE
  - ◀ ◇ ▶ OVERLAP
  - ◀ ○ ▶ PEDESTRIAN PHASE
  - NUMBER REFERS TO ASSOCIATED PHASE



**CONSTRUCTION NOTES:**

1. SPLICE EXISTING INTERCONNECT CABLE AT THE EXISTING CONTROLLER (ILL. ROUTE 64 AT ELMHURST PLAZA) AND INSTALL TEMPORARY INTERCONNECT CABLE NO. 62.5 / 125 MM12F SM24F BETWEEN THE EXISTING CONTROLLER CABINET TO THE TEMPORARY CONTROLLER FOR THE PURPOSE OF MAINTAINING EXISTING INTERCONNECT SYSTEM. THIS WORK SHALL BE INCIDENTAL TO PAY ITEM "TEMPORARY TRAFFIC SIGNAL INSTALLATION".
2. THE YELLOW ARROW AND GREEN ARROW INDICATION ON THE 5-SECTION SIGNAL HEAD FOR THE EASTBOUND DIRECTION SHALL BE USED ONLY DURING PRE-CONSTRUCTION AND INTERIM STAGES AND SHALL BE BAGGED AND DISCONNECTED AT THE CONTROLLER DURING CONSTRUCTION STAGES 1, 2, 3 AND 3A.

THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO LAMPS	WATTAGE		%OPERATION	
		INCAND.	LED		
SIGNAL (RED)	12		17	0.50	110.50
(YELLOW)	12		25	0.25	81.25
(GREEN)	12		15	0.25	48.75
ARROW	4		12	0.10	2.40
PED. SIGNAL			25	1.00	
CONTROLLER	1		100	1.00	100.00
ILLUM. SIGN			25	0.05	
VIDEO SYSTEM	1	150		1.00	150.00
FLASHER				0.50	
ENERGY COSTS TO:					TOTAL = 476.80

ILLINOIS DEPARTMENT OF TRANSPORTATION  
201 WEST CENTER COURT  
SCHAUMBURG, ILLINOIS 60196-1096  
ENERGY SUPPLY CONTACT: DEB RANKIN  
PHONE: (630) 691-4379  
COMPANY: COMMONWEALTH EDISON

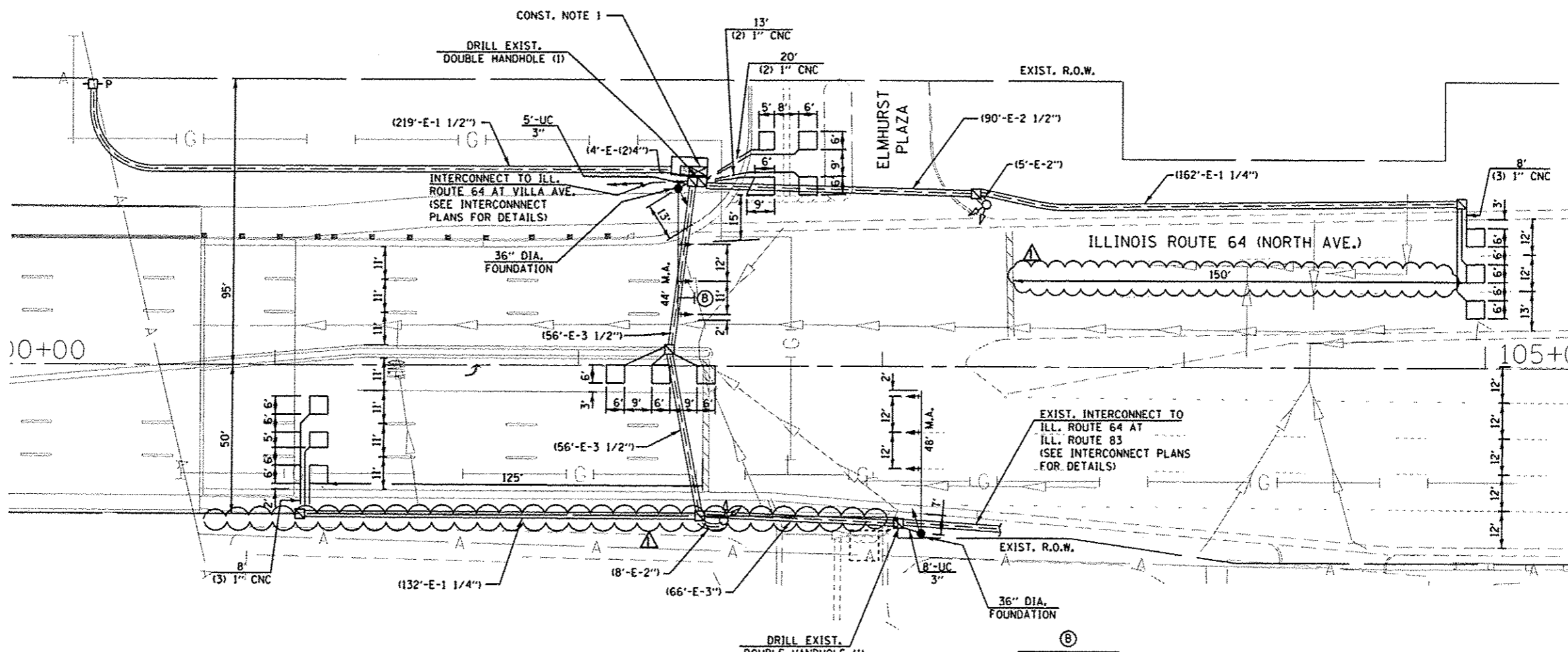
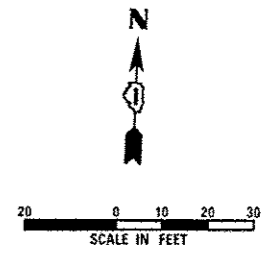
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		DATE: 10/25/2013	REVISED: -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM,  
AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION  
ILLINOIS ROUTE 64 (NORTH AVENUE) AT ELMHURST PLAZA

F.A.P. RTL. 307	SECTION 131B-BR	COUNTY DUPAGE	TOTAL SHEETS 111	SHEET NO. 62
SCALE: AS NOTED				SHEET NO. 19 OF 26 SHEETS STA. TO STA.
CONTRACT NO. 60V24 [ILLINOIS] FED. AID PROJECT				

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**GENERAL NOTES:**

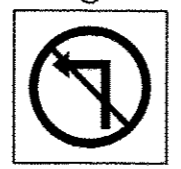
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM FOUNDATIONS AND VERIFYING THE MAST ARMS LENGTHS.
- THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ORDERING ANY MATERIALS AND STARTING ANY WORK. FOR LOCATIONS OF UTILITIES, LOCALLY OWNED EQUIPMENT, LEASED ENFORCEMENT CAMERA SYSTEM FACILITIES AND IDOT UNDERGROUND FACILITIES, CONTACT THE LOCAL COUNTIES, MUNICIPALITIES AND IDOT FOR LOCATES. THE CONTRACTOR SHALL CALL JULIE AT (800) 892-0123 OR 811, IN THE CITY OF CHICAGO, CONTACT DIGGER AT (312) 744-7000 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION REQUIRED).
- THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL COORDINATE ANY CONFLICTS WITH THE UTILITY COMPANIES AND THE RESIDENT ENGINEER BEFORE ORDERING MATERIALS.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, LOCAL GOVERNMENT AGENCIES AND IDOT.

**CONSTRUCTION NOTES:**

- DISCONNECT THE EXISTING ELECTRICAL CABLES USED FOR THE TRAFFIC SIGNAL HEADS MOUNTED ON THE EXISTING SOUTHEAST MAST ARM AND POLE FROM THE CONTROLLER AND SHALL BE PULLED OUT FOR REMOVAL.

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

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.



R3-2  
 36" X 36"  
 (1 REQUIRED)

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		DATE	10/25/2013	REVISED	-	-

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL INSTALLATION PLAN  
 ILLINOIS ROUTE 64 (NORTH AVENUE) AT ELMHURST PLAZA

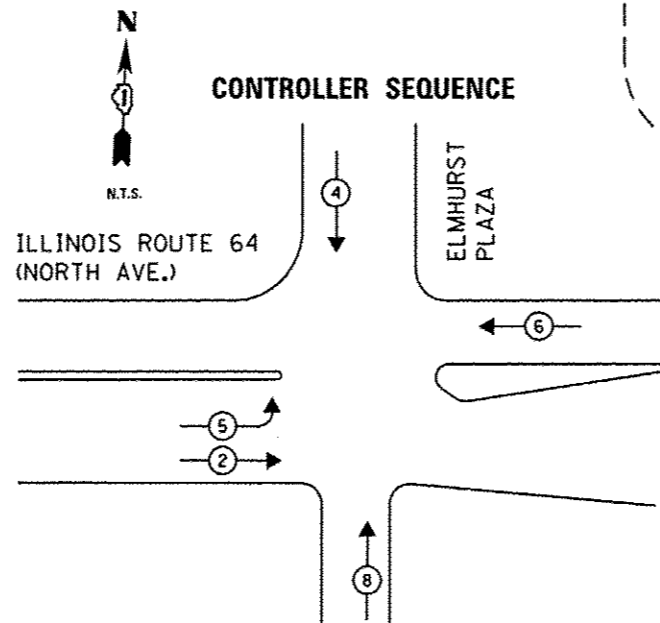
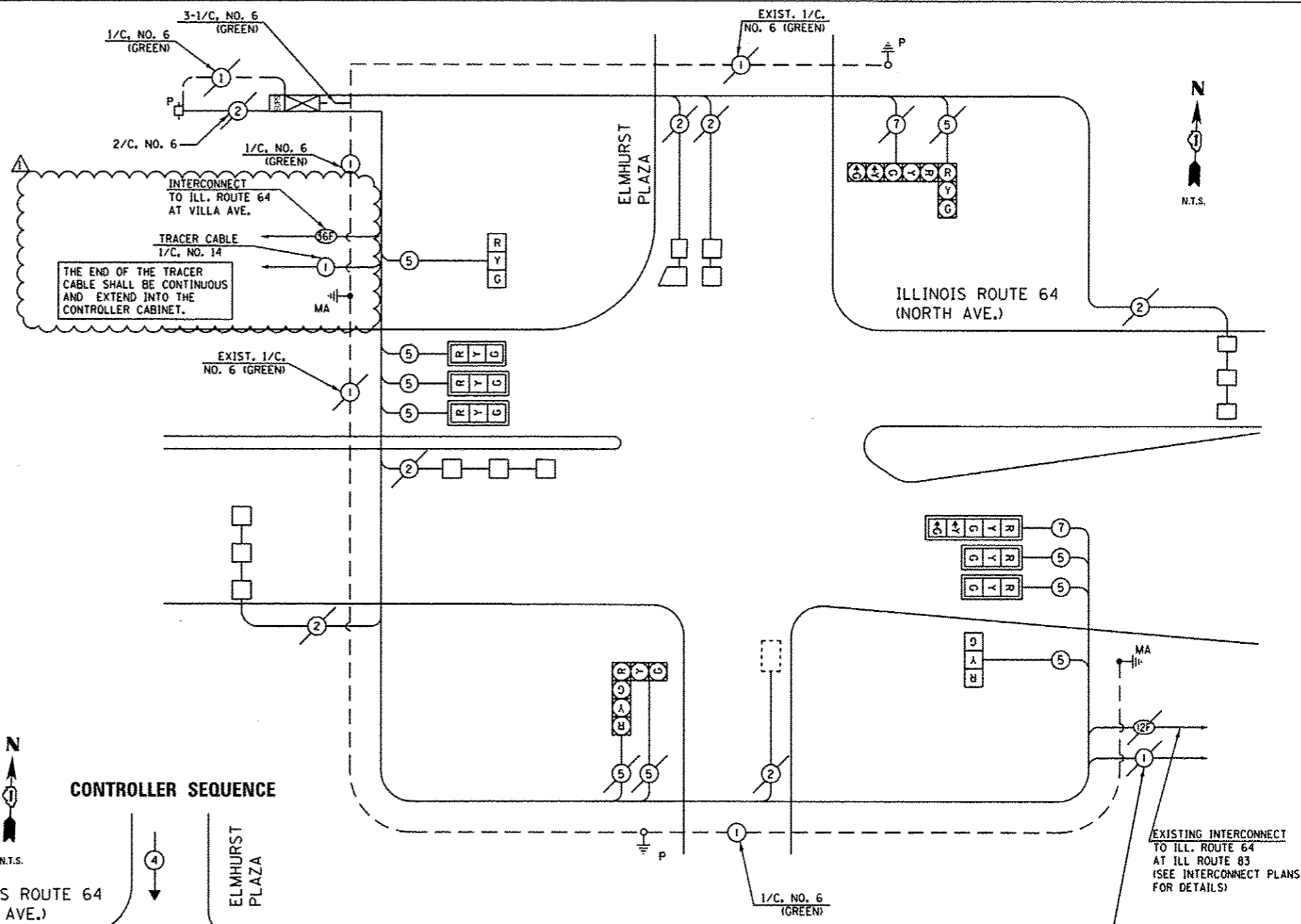
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	131B-BR	DUPAGE	111	63
CONTRACT NO. 60V24			ILLINOIS FED. AID PROJECT	



SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM
9	SQ FT	SIGN PANEL - TYPE 1
13	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.
1098	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
298	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C
23	FOOT	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.
26	FOOT	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER
2	EACH	DRILL EXISTING HANDHOLE
5	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED
2	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED
6	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM
472	FOOT	DETECTOR LOOP, TYPE I
1	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION
1	EACH	MODIFY EXISTING CONTROLLER CABINET
870	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
2	EACH	REMOVE EXISTING CONCRETE FOUNDATION
1	EACH	TEMPORARY TRAFFIC SIGNAL TIMING



PHASE DESIGNATION DIAGRAM (NOT TO SCALE)

**LEGEND**  
 ○ ● DUAL ENTRY PHASE  
 □ ● SINGLE ENTRY PHASE  
 ◇ O.L. OVERLAP  
 ○ — PEDESTRIAN PHASE  
 ● NUMBER REFERS TO ASSOCIATED PHASE

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS						
TYPE	NO LAMPS		WATTAGE		%OPERATION	TOTAL WATTAGE
	INCAND.	LED	INCAND.	LED		
SIGNAL (RED)	12			17	0.50	102.00
(YELLOW)	12			25	0.25	75.00
(GREEN)	12			15	0.25	45.00
ARROW	4			12	0.10	4.80
PED. SIGNAL				25	1.00	
CONTROLLER				100	1.00	100
ILLUM. SIGN				25	0.05	
VIDEO SYSTEM			150		1.00	150
FLASHER					0.50	
TOTAL =						326.80

ENERGY COSTS TO:  
 ILLINOIS DEPARTMENT OF TRANSPORTATION  
 201 WEST CENTER COURT  
 SCHAUMBURG, ILLINOIS 60196-1096  
 ENERGY SUPPLY CONTACT: DEB RANKIN  
 PHONE: (630) 691-4379  
 COMPANY: COMMONWEALTH EDISON

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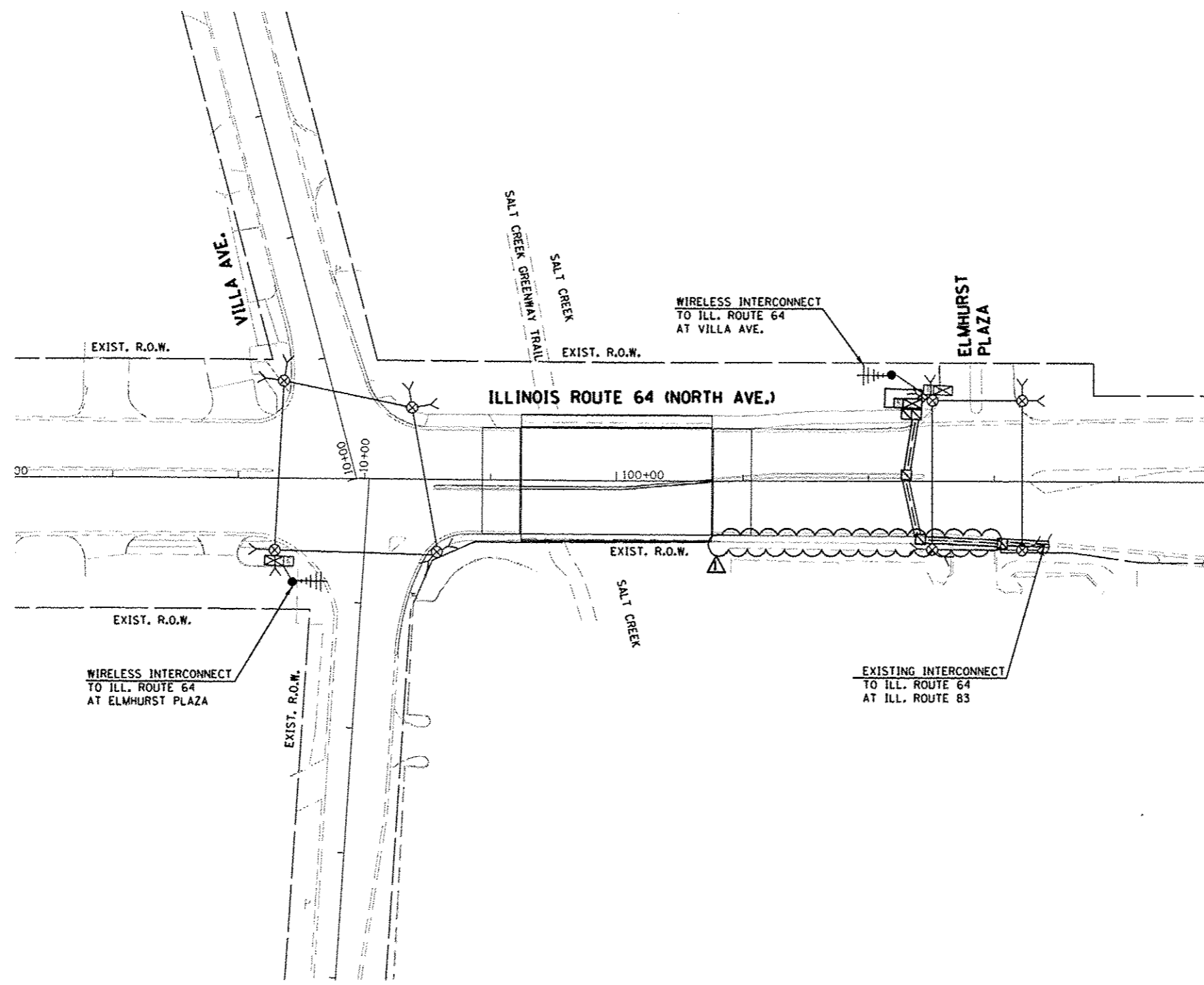
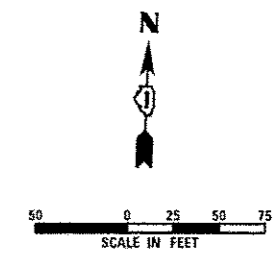
**SINGH**  
 CONSULTING ENGINEERS

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	DATE: 10/25/2013	REVISED: -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

MODIFIED CABLE PLAN, PHASE DESIGNATION DIAGRAM, AND SCHEDULE OF QUANTITIES  
 ILLINOIS ROUTE 64 (NORTH AVENUE) AT ELMHURST PLAZA  
 SCALE: AS NOTED SHEET NO. 21 OF 26 SHEETS STA. TO STA.

F.A.P. RTE. 307	SECTION 131B-BR	COUNTY DUPAGE	TOTAL SHEETS 111	SHEET NO. 64
CONTRACT NO. 60V24				ILLINOIS FED. AID PROJECT



THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

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**SINGH**  
ENGINEERS & ARCHITECTS P.C.  
CONSULTING ENGINEERS

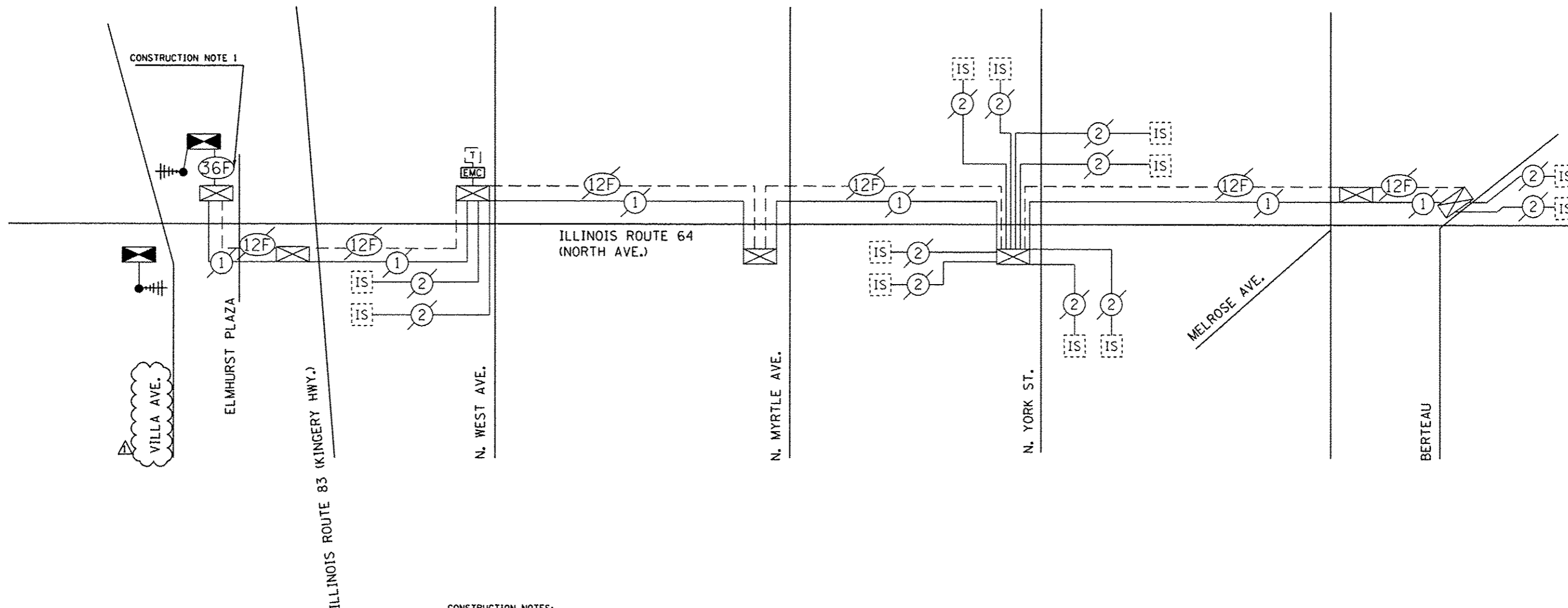
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY RADIO INTERCONNECT PLAN  
ILLINOIS ROUTE 64 (VILLA AVE. TO ELMHURST PLAZA)

SCALE: AS NOTED SHEET NO. 22 OF 26 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	131B-BR	DUPAGE	111	65
CONTRACT NO. 60V24			ILLINOIS FED. AID PROJECT	



**CONSTRUCTION NOTES:**

- SPLICE EXISTING INTERCONNECT CABLE AT THE EXISTING CONTROLLER (ILL. ROUTE 64 AT ELMHURST PLAZA) AND INSTALL TEMPORARY INTERCONNECT CABLE NO. 62.5 / 125 MM12F SM24F BETWEEN THE EXISTING CONTROLLER CABINET TO THE TEMPORARY CONTROLLER FOR THE PURPOSE OF MAINTAINING EXISTING INTERCONNECT SYSTEM. THIS WORK SHALL BE INCIDENTAL TO PAY ITEM "TEMPORARY TRAFFIC SIGNAL INSTALLATION".

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

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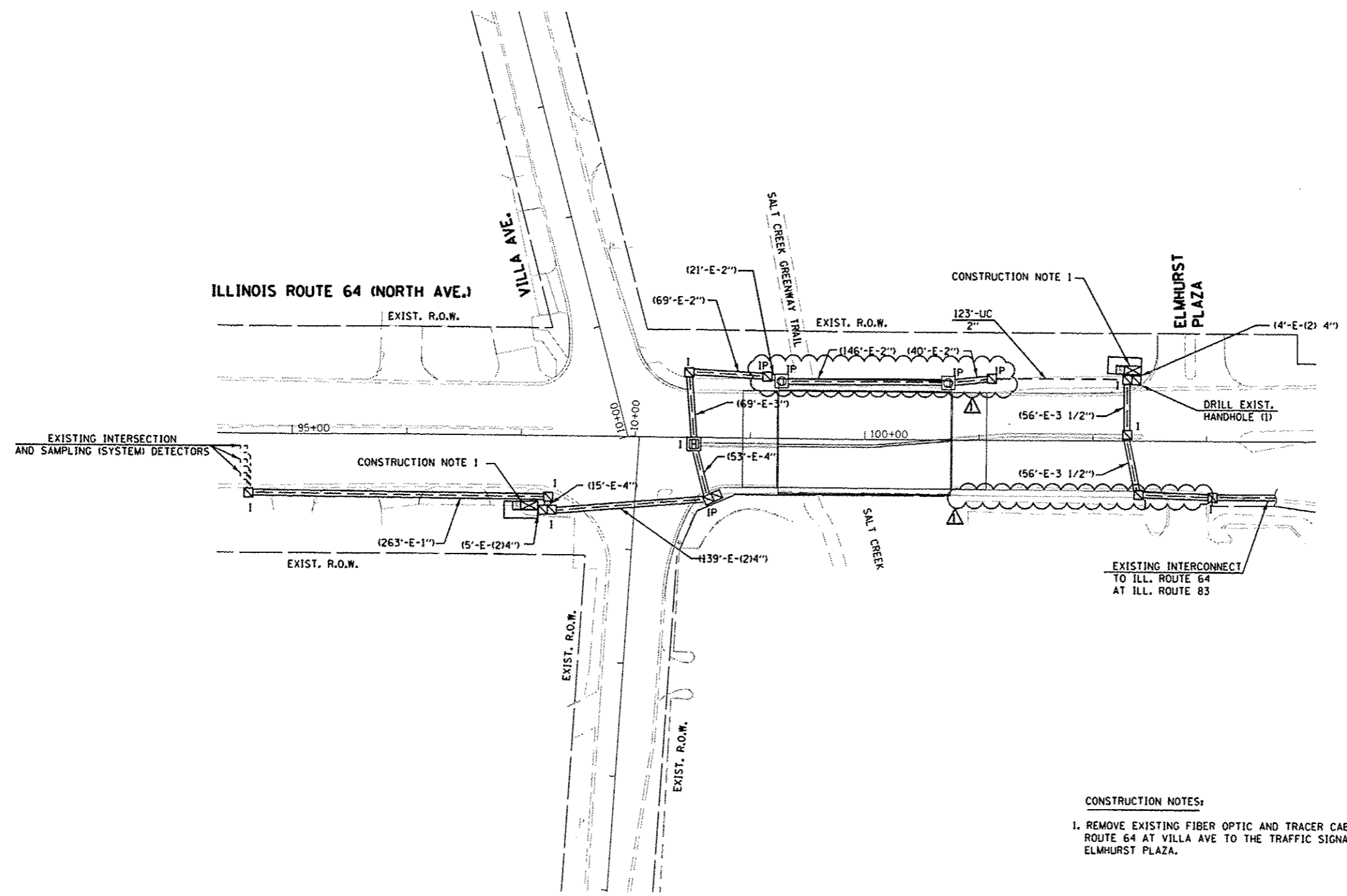
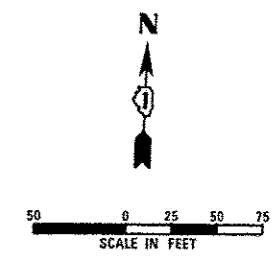
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PLT DATE = 08-JAN-2014 15:56	CHECKED - KGP	REVISED -
	DATE - 10/25/2013	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY SCHEMATIC DIAGRAM  
ILLINOIS ROUTE 64 (VILLA AVE. TO BERTEAU AVE.)**

SCALE: AS NOTED SHEET NO. 23 OF 26 SHEETS STA. TO STA.

F.A.P. RTE. 307	SECTION 1318-BR	COUNTY DUPAGE	TOTAL SHEETS 111	SHEET NO. 66
			CONTRACT NO. 60V24	
ILLINOIS FED. AID PROJECT				



**CONSTRUCTION NOTES:**

1. REMOVE EXISTING FIBER OPTIC AND TRACER CABLE FROM TRAFFIC SIGNAL CONTROLLER AT ILL. ROUTE 64 AT VILLA AVE TO THE TRAFFIC SIGNAL CONTROLLER AT ILL. ROUTE 64 AT ELMHURST PLAZA.

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

J:\D003\06\NCADD\_Sheets\MST-shr-ts-26.dgn 08-JAN-2014 15:58 TIME\$



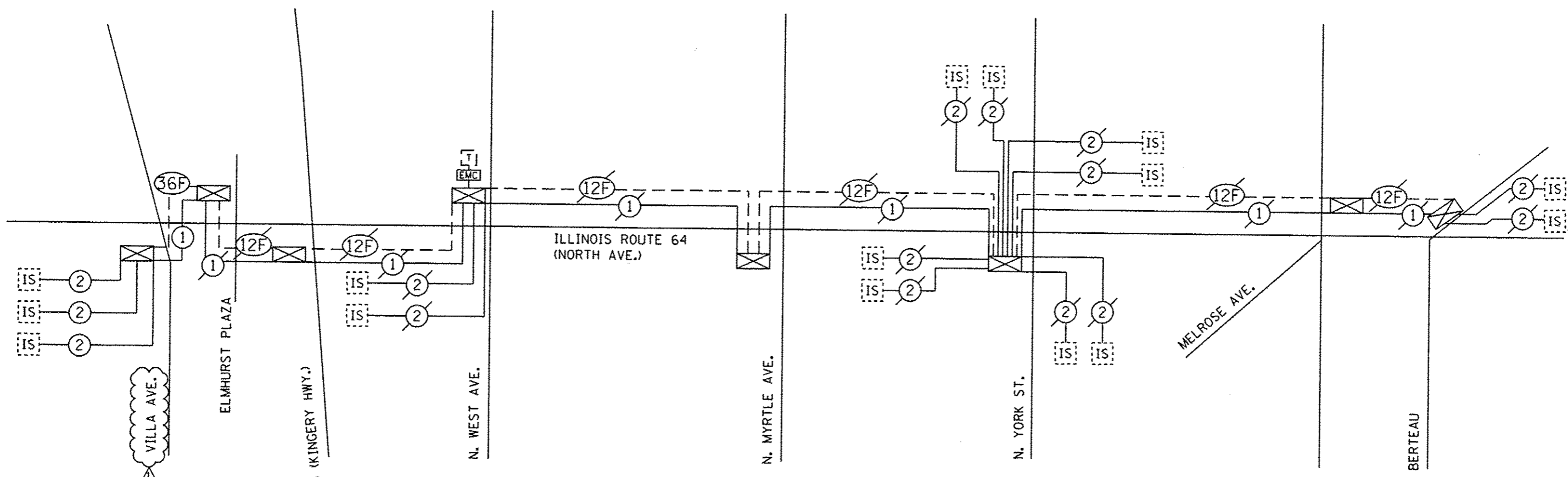
USER NAME	mgarvito	DESIGNED	MG	REVISED	ADDENDUM 1 01/08/14
		DRAWN	MG	REVISED	
		CHECKED	XGP	REVISED	
		DATE	10/25/2013	REVISED	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

INTERCONNECT PLAN  
ILLINOIS ROUTE 64 (VILLA AVE. TO ILLINOIS ROUTE 83)

SCALE: AS NOTED SHEET NO. 24 OF 26 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	131B-BR	DUPAGE	111	67
CONTRACT NO. 60V24			ILLINOIS FED. AID PROJECT	



**SCHEDULE OF QUANTITIES**

QUANTITY	UNIT	ITEM
123	FOOT	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA
1	EACH	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
751	FOOT	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C
1	EACH	DRILL EXISTING HANDHOLE
1528	FOOT	REMOVE ELECTRIC CABLE FROM CONDUIT
777	FOOT	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F
1	EACH	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1

THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

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USER NAME	• mgorvide	DESIGNED	- MG	REVISED	▲ - ADDENDUM 1 01/08/14
PLLOT SCALE	• 48.000000/1.000000	DRAWN	- MG	REVISED	-
PLLOT DATE	• 08-JAN-2014 15:56	CHECKED	- KGP	REVISED	-
		DATE	- 10/25/2013	REVISED	-

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEMATIC DIAGRAM  
ILLINOIS ROUTE 64 (VILLA AVE. TO BERTEAU AVE.)**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
307	131B-BR	DUPAGE	111	68
			CONTRACT NO. 60V24	
ILLINOIS FED. AID PROJECT				

SCALE: AS NOTED | SHEET NO. 25 OF 26 SHEETS | STA. TO STA.