


GENERAL NOTES:

1. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2012 (HEREINAFTER REFERRED TO AS THE "STANDARD SPECIFICATIONS"); THE LATEST "SUPPLEMENTAL SPECIFICATIONS" AND "RECURRING SPECIAL PROVISIONS"; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS"; THE DETAILS IN THE PLANS AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.
2. ANY REFERENCE TO THE STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED AS THE LATEST STANDARD OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION.
3. THE CONTRACTOR SHALL NOTIFY J.U.L.I.E. (1-800-892-0123) AT LEAST 10 DAYS PRIOR TO CONSTRUCTION OF THE PROPOSED IMPROVEMENTS. ALL UTILITIES MUST BE NOTIFIED AND STAKED PRIOR TO CONSTRUCTION.
4. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE PLANS AND SHALL NOTIFY THE ENGINEER AT ONCE OF ANY DISCREPANCIES.
5. THE CONTRACTOR IS REQUIRED TO ATTEND AN ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT) PRECONSTRUCTION MEETING AND SHALL INFORM THE IDOT TRAFFIC ENGINEER BEFORE WORK COMMENCES.
6. THE CONTRACTOR SHALL KEEP PUBLIC STREET PAVEMENTS CLEAN OF DIRT AND DEBRIS.
7. THE CONTRACTOR SHALL BE RESPONSIBLE IN PROVIDING SAFE AND HEALTHFUL CONDITIONS THROUGHOUT THE CONSTRUCTION OF THE PROPOSED IMPROVEMENTS.
8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND AND SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE RESTORED TO A CONDITION EQUAL TO THAT EXISTING BEFORE THE DAMAGE INCURRED. THIS WORK SHALL BE AT THE CONTRACTOR'S EXPENSE.
9. THE TRAFFIC CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.
10. RESTORATION OF THE WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEMS AND 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 THE STANDARD SPECIFICATIONS 252 AND 250, RESPECTIVELY.
11. CONTROLLER CABINETS SHALL BE PLACED SO THAT a) THE DOORS OPEN AWAY FROM THE CURB OR TRAVEL WAY., b) AND THE TRAFFIC MOVEMENTS AT THE INTERSECTION ARE VISIBLE FROM THE CONTROLLER.
12. ANY CONTROLLER CABINET WHETHER NEW OR EXISTING TO RECEIVE UPS, WILL HAVE A "L" SHAPED 4 FOOT CONCRETE MAINTENANCE PAD INSTALLED. SEE PLANS FOR DETAIL. THE COST OF INSTALLATION OF CONCRETE PAD IS INCIDENTAL TO NEW CONTROLLER AND OR UPS INSTALLATIONS.
13. THE GENERAL CONTRACTOR IS REQUIRED TO HIRE AN ENVIRONMENTAL ENGINEERING FIRM TO CONTINUOUSLY MONITOR FOR WORKER SAFETY AND SOIL CONTAMINATION AT SEVERAL AREAS. SEE SPECIAL PROVISION AND SUPPLEMENTAL SPECIFICATIONS FOR DETAILS.

Rev. 1-5-12

PREPARED BY:  

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FILE NAME =	USER NAME = JGC	DESIGNED - BPT	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
\\MICROST\352100\02-GENNOTES.DGN		DRAWN - JGC	REVISED -		<b>IL ROUTE 43 (HARLEM AVENUE) AT WHEELER DRIVE AND 157TH STREET</b>				348	2011-039-TS	COOK	20	2
		CHECKED - BPT	REVISED -		SCALE: N.T.S.    SHEET NO. OF SHEETS    STA.    TO STA.				CONTRACT NO. 60P45				
		DATE - 10-21-11	REVISED -		FED. ROAD DIST. NO.    ILLINOIS FED. AID PROJECT								

PAY CODE NUMBER	SUMMARY OF QUANTITIES ITEM	UNIT	CONSTRUCTION TYPE CODE 0021		
			TOTAL QUANTITY	HARLEM @ WHEELER QUANTITY	HARLEM @ 157TH QUANTITY
20200100	EARTH EXCAVATION	CU YD	8.7	3.9	4.8
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	34.7	15.7	19.0
42001300	PROTECTIVE COAT	SQ YD	90.0	39.9	50.1
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	763	359	404
42400800	DETECTABLE WARNINGS	SQ FT	160	80	80
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	51	20	31
44000600	SIDEWALK REMOVAL	SQ FT	278	218	60
60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	19		19
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	32	20	12
67000400	ENGINEER'S FIELD OFFICE, TYPE A	FOOT	6	3	3
67100100	MOBILIZATION	L SUM	1	0.5	0.5
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	0.5	0.5
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	0.5	0.5
* 72000100	SIGN PANEL - TYPE 1	SQ FT	65.0	40.0	25.0
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1001	558	443
80500020	SERVICE INSTALLATION - POLE MOUNTED	EACH	1		1
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	716	716	
81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	74	74	
81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	107	90	17
81028230	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3 1/2" DIA.	FOOT	47	47	
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	378	378	
81400100	HANDHOLE	EACH	5	5	
81400200	HEAVY DUTY HANDHOLE	EACH	2	2	
81400300	DOUBLE HANDHOLE	EACH	2	2	
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1		1
86400100	TRANSCEIVER - FIBER OPTIC	EACH	2	1	1
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	2580	1366	1214
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	3615	1719	1896
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3265	1947	1318
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	763	763	
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1908	1808	100
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	140	112	28
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	745	674	71
87502480	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	2	2	
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2	2	
87700190	STEEL MAST ARM ASSEMBLY AND POLE, 30 FT.	EACH	2	2	
87700210	STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	1	1	
87700230	STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1	1	
87700250	STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1		1
87700280	STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1		1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	16	16	
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4	4	
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	70	44	26
87900200	DRILL EXISTING HANDHOLE	EACH	6		6
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	18	8	10
88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4	2	2
88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4	2	2
88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4	2	2
88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8	4	4
88102747	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4	2	2
88200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	22	10	12
88500100	INDUCTIVE LOOP DETECTOR	EACH	15	8	7
88600100	DETECTOR LOOP, TYPE 1	FOOT	1370	1083	287
88700200	LIGHT DETECTOR	EACH	5	2	3
88700300	LIGHT DETECTOR AMPLIFIER	EACH	2	1	1
88800100	PEDESTRIAN PUSH BUTTON	EACH	16	8	8
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1	1	
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	678		678
89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	662	662	
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	2	1	1
89502380	REMOVE EXISTING HANDHOLE	EACH	6	6	
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	11	9	2
X8570225	FULL-ACTUATED CONTROLLER AND CABINET, TYPE IV, SPECIAL	EACH	2	1	1
X8730250	ELECTRIC CABLE IN CONDUIT, NO. 20 3/C, TWISTED, SHIELDED	FOOT	845	297	548
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	51.4	25.7	25.7
Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	2	1	1
Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1	1	
X8620200	UNINTERRUPTIBLE POWER SUPPLY SPECIAL	EACH	2	1	1

\* 66900200 NON-SPECIAL WASTE DISPOSAL CU YD 45  
 \* 66900450 SPECIAL WASTE PLANS AND REPORTS L SUM 1  
 \* 66900530 SOIL DISPOSAL ANALYSIS EACH 6

\* Specialty Items  
 • 100% ORLAND FIRE PROTECTION DIST.

Rev. 1-5-12

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FILE NAME = \MICROST\352100\ 03-SUMMARY.DGN  
 USER NAME = JGC  
 PLOT SCALE = NONE  
 PLOT DATE = 10-21-11

DESIGNED - BPT	REVISIONS -
DRAWN - JGC	REVISIONS -
CHECKED - BPT	REVISIONS -
DATE - 10-21-11	REVISIONS -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES  
 IL ROUTE 43 (HARLEM AVENUE) AT WHEELER DRIVE AND 157TH STREET  
 SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE. 348	SECTION 2011-039-TS	COUNTY COOK	TOTAL SHEETS 20	SHEET NO. 3
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60P45	

**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 TRAFFIC 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.

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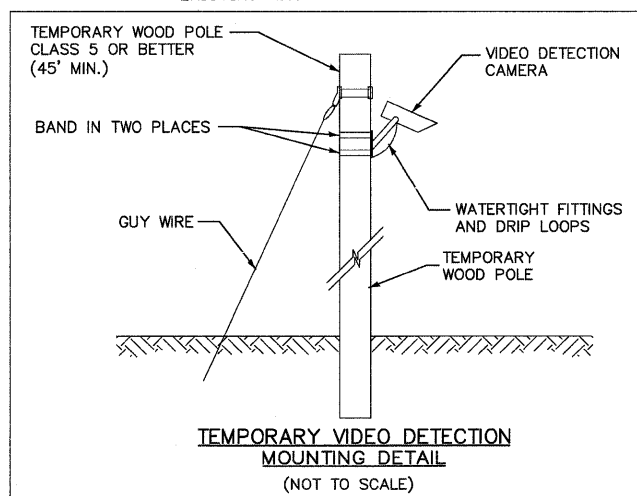
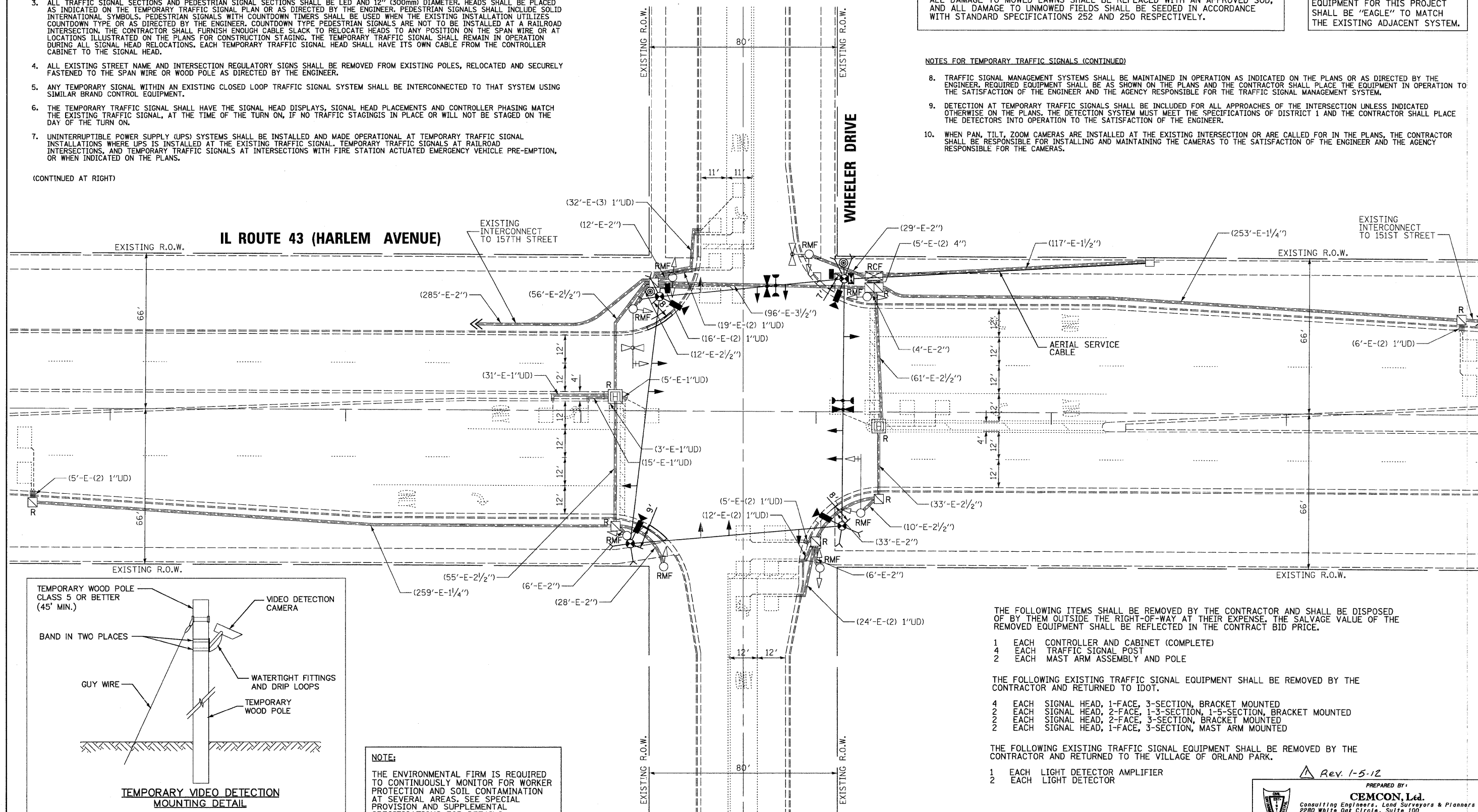
**RESTORATION OF WORK AREA**

RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, 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 SEED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

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

**NOTES FOR TEMPORARY TRAFFIC SIGNALS (CONTINUED)**

- 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 SPECIFICATIONS 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.



**NOTE:**  
THE ENVIRONMENTAL FIRM IS REQUIRED TO CONTINUOUSLY MONITOR FOR WORKER PROTECTION AND SOIL CONTAMINATION AT SEVERAL AREAS. SEE SPECIAL PROVISION AND SUPPLEMENTAL SPECIFICATIONS FOR DETAILS.

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 CONTRACT BID PRICE.

- EACH CONTROLLER AND CABINET (COMPLETE)
- EACH TRAFFIC SIGNAL POST
- EACH MAST ARM ASSEMBLY AND POLE

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RETURNED TO IDOT.

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

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RETURNED TO THE VILLAGE OF ORLAND PARK.

- EACH LIGHT DETECTOR AMPLIFIER
- EACH LIGHT DETECTOR

FILE NAME = \MICROST\352100\ IL 43 @ WHEELER TEMP SIG.DGN	USER NAME = JGC	DESIGNED - BPT	REVISED -
PLOT SCALE = 1"=20'	DRAWN - JGC	CHECKED - BPT	REVISED -
PLOT DATE = 10-21-11	DATE - 10-21-11		REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVAL PLAN  
IL ROUTE 43 (HARLEM AVENUE) AT WHEELER DRIVE**

SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA.

PREPARED BY:  
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2011-039-TS	COOK	20	10
				CONTRACT NO. 60P45
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



- CONSTRUCTION NOTES:**
- INSTALL NEW CONTROLLER AND CABINET ON EXISTING FOUNDATION. ADD UPS.
  - REMOVE EXISTING SERVICE INSTALLATION AND REPLACE WITH NEW.
  - REMOVE EXISTING SIGNAL HEAD AND INSTALL NEW LED SIGNAL HEAD.
  - INSTALL NEW SIGNAL HEAD ON EXISTING MAST ARM.
  - REMOVE EXISTING PEDESTRIAN SIGNAL HEAD AND INSTALL NEW LED SIGNAL HEAD WITH COUNTDOWN TIMER.
  - INSTALL DETECTABLE WARNINGS AT ALL SIDEWALK RAMP.
  - REMOVE EXISTING PEDESTRIAN PUSHBUTTON AND REPLACE WITH NEW.
  - INSTALL NEW PEDESTRIAN PUSHBUTTON(S).
  - INSTALL NEW PEDESTRIAN SIGNAL HEAD, LED, WITH COUNTDOWN TIMER.

**RESTORATION OF WORK AREA**

RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, 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 SEEDING IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

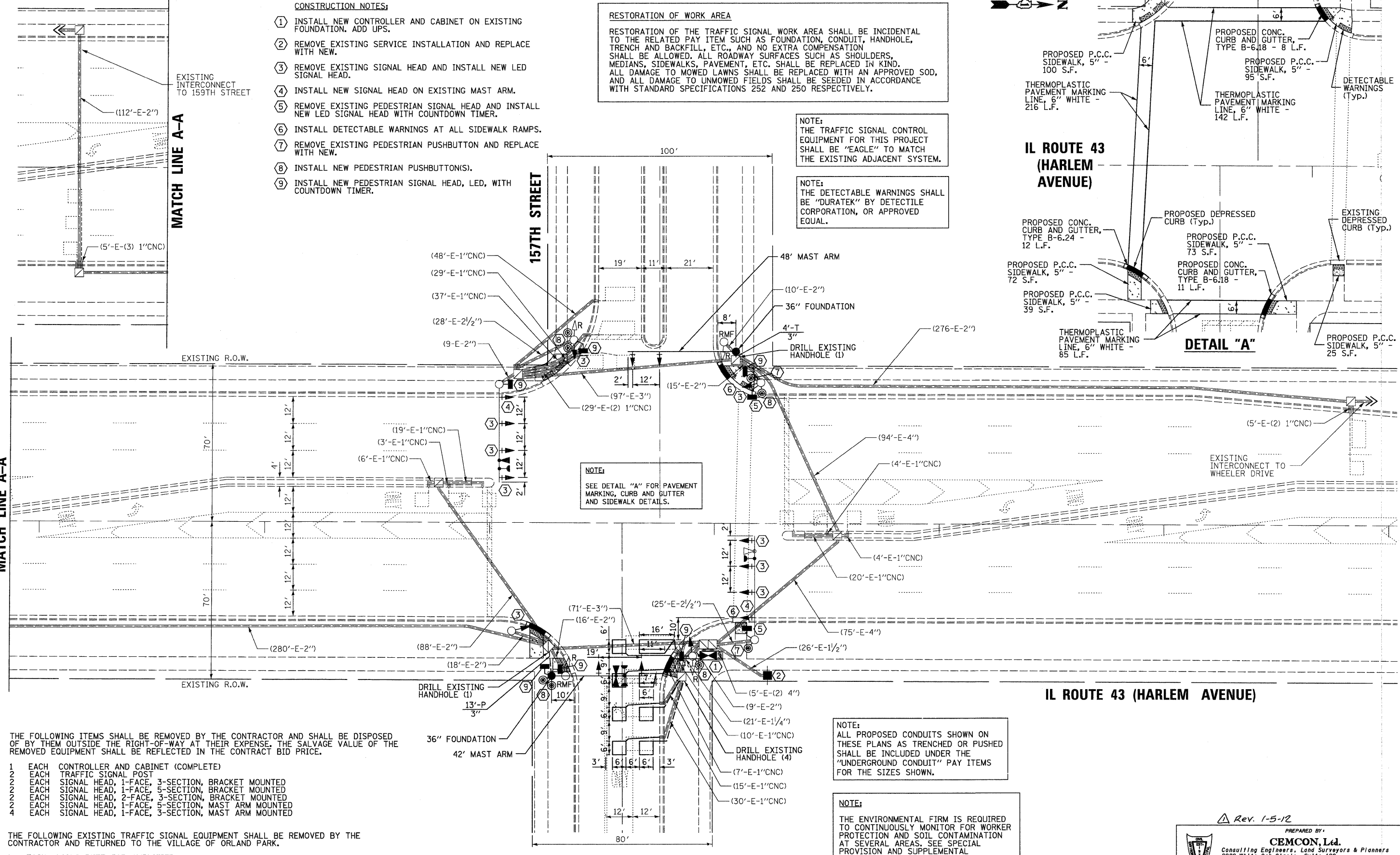
**NOTE:**  
THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

**NOTE:**  
THE DETECTABLE WARNINGS SHALL BE "DURATEK" BY DETECTILE CORPORATION, OR APPROVED EQUAL.

**NOTE:**  
SEE DETAIL "A" FOR PAVEMENT MARKING, CURB AND GUTTER AND SIDEWALK DETAILS.

**NOTE:**  
ALL PROPOSED CONDUITS SHOWN ON THESE PLANS AS TRENCHED OR PUSHED SHALL BE INCLUDED UNDER THE "UNDERGROUND CONDUIT" PAY ITEMS FOR THE SIZES SHOWN.

**NOTE:**  
THE ENVIRONMENTAL FIRM IS REQUIRED TO CONTINUOUSLY MONITOR FOR WORKER PROTECTION AND SOIL CONTAMINATION AT SEVERAL AREAS. SEE SPECIAL PROVISION AND SUPPLEMENTAL SPECIFICATIONS FOR DETAILS.



**IL ROUTE 43 (HARLEM AVENUE)**

**DETAIL "A"**

- 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 CONTRACT BID PRICE.
- 1 EACH CONTROLLER AND CABINET (COMPLETE)
  - 1 EACH TRAFFIC SIGNAL POST
  - 3 EACH SIGNAL HEAD, 1-FACE, 3-SECTION, BRACKET MOUNTED
  - 3 EACH SIGNAL HEAD, 1-FACE, 3-SECTION, BRACKET MOUNTED
  - 3 EACH SIGNAL HEAD, 2-FACE, 3-SECTION, BRACKET MOUNTED
  - 3 EACH SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED
  - 3 EACH SIGNAL HEAD, 1-FACE, 3-SECTION, MAST ARM MOUNTED

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND RETURNED TO THE VILLAGE OF ORLAND PARK.

- 1 EACH LIGHT DETECTOR AMPLIFIER

FILE NAME =	USER NAME = JGC	DESIGNED - BPT	REVISED -
\\MICROST\35210\IL 43 @ 157TH SIG.DGN		DRAWN - JGC	REVISED -
	PLOT SCALE = 1"=20'	CHECKED - BPT	REVISED -
	PLOT DATE = 10-21-11	DATE - 10-21-11	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL MODERNIZATION AND REMOVAL PLAN  
IL ROUTE 43 (HARLEM AVENUE) AT 157TH STREET**

SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA.

Rev. 1-5-12

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
348	2011-039-TS	COOK	20	14

CONTRACT NO. 60P45  
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT