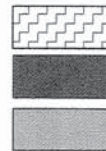
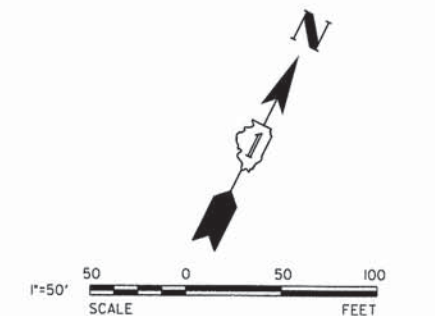
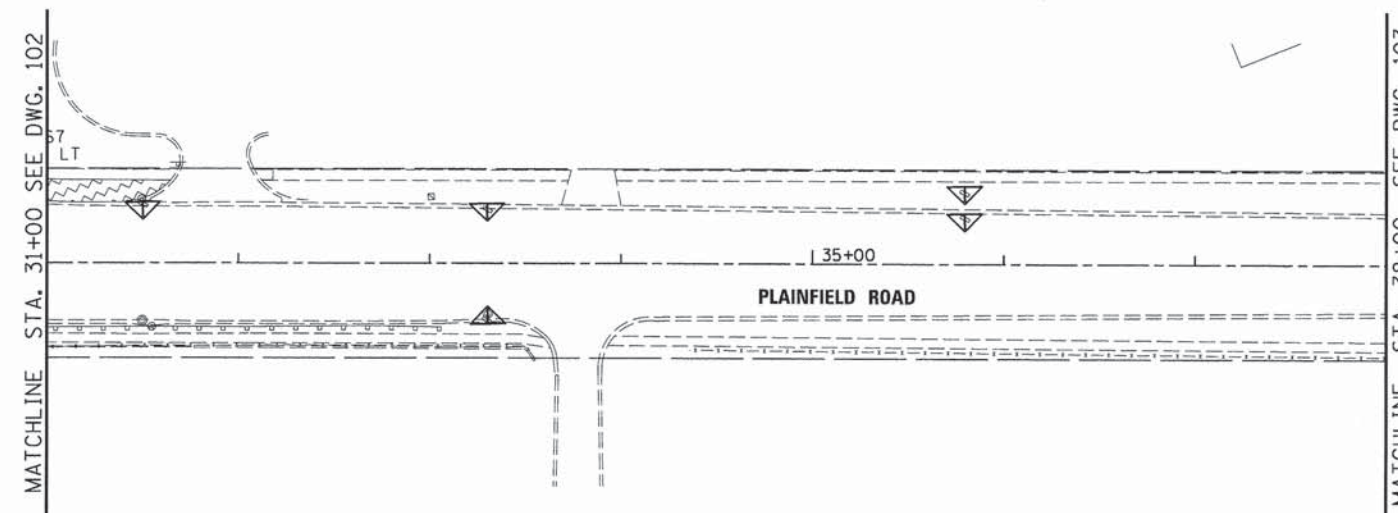
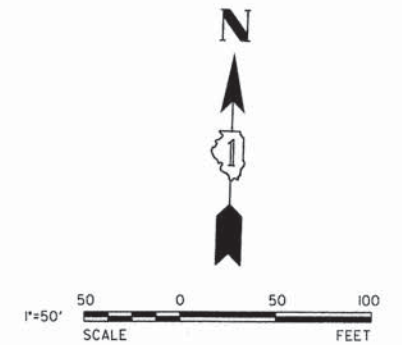
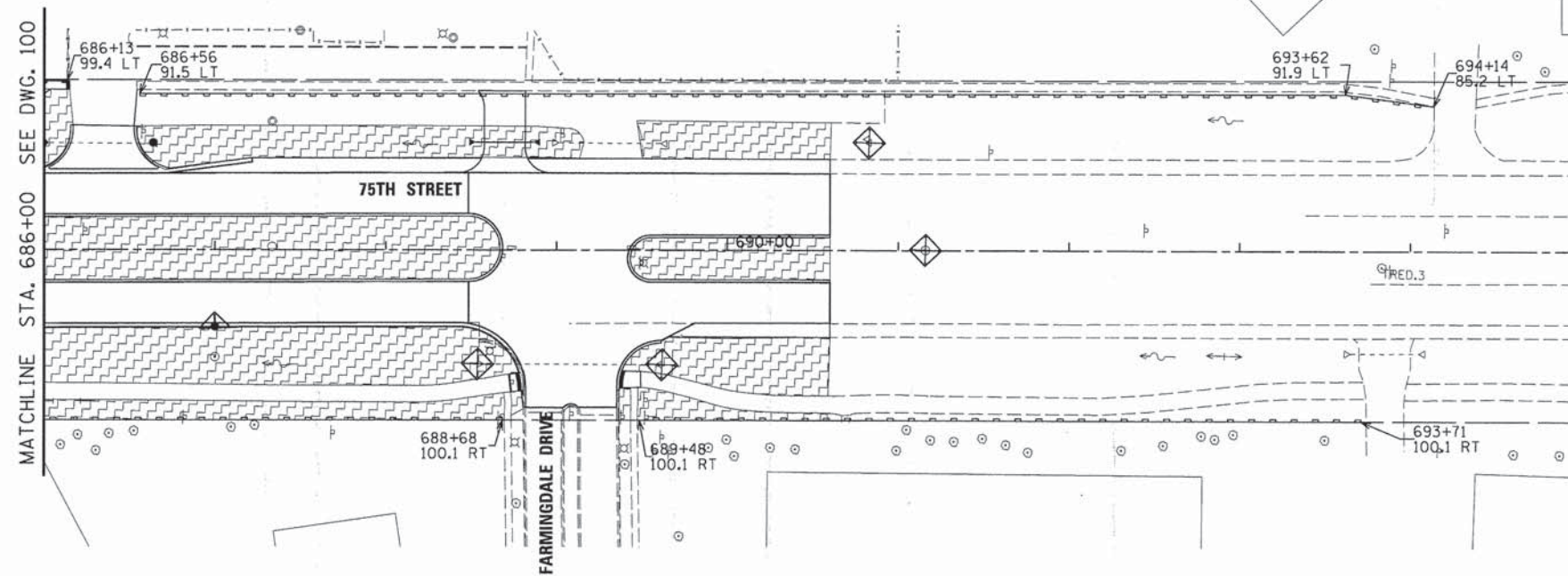


LEGEND



TEMPORARY EROSION CONTROL SEEDING WITH TEMPORARY EROSION CONTROL BLANKET  
 PAVEMENT UNDER CONSTRUCTION IN THIS STAGE  
 PAVEMENT CONSTRUCTED IN PREVIOUS STAGES

INLET FILTERS  
 INLET AND PIPE PROTECTION  
 PERIMETER EROSION BARRIER



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USER NAME = #USER#	DESIGNED - JDH	REVISED - ---
PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED - ---
PLOT DATE = #DATE#	CHECKED - VJD	REVISED - ---
	DATE - 03/04/13	REVISED - ---







STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

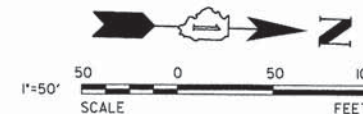
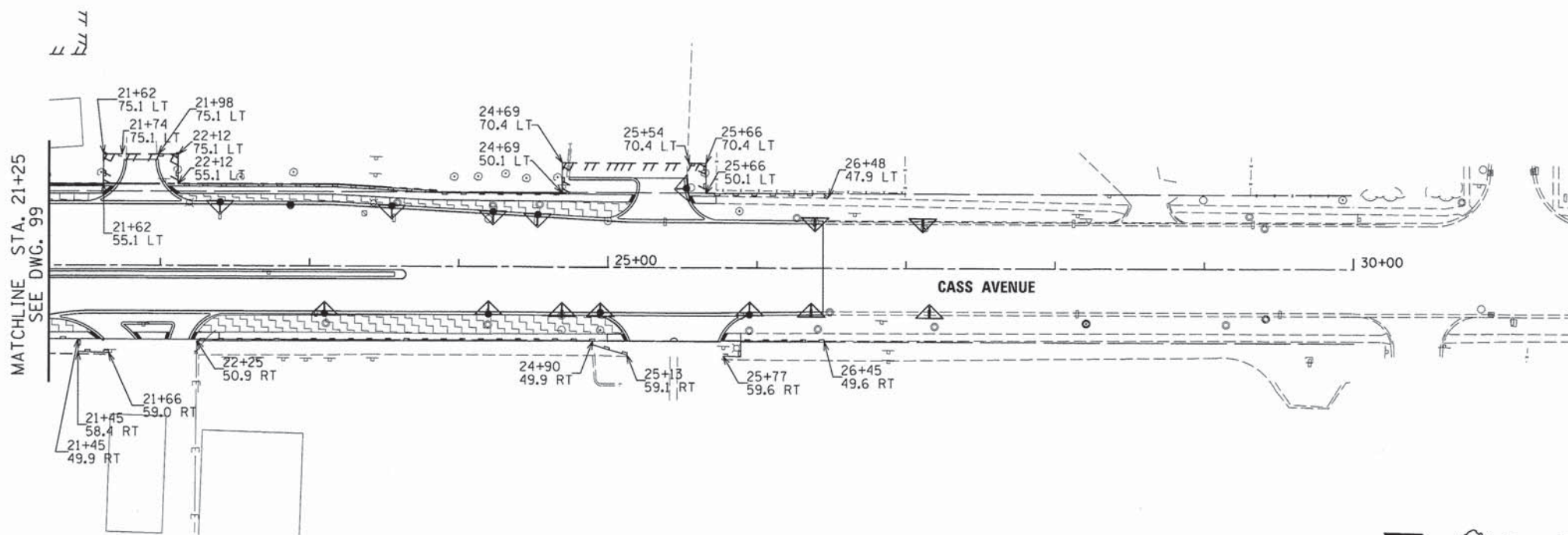
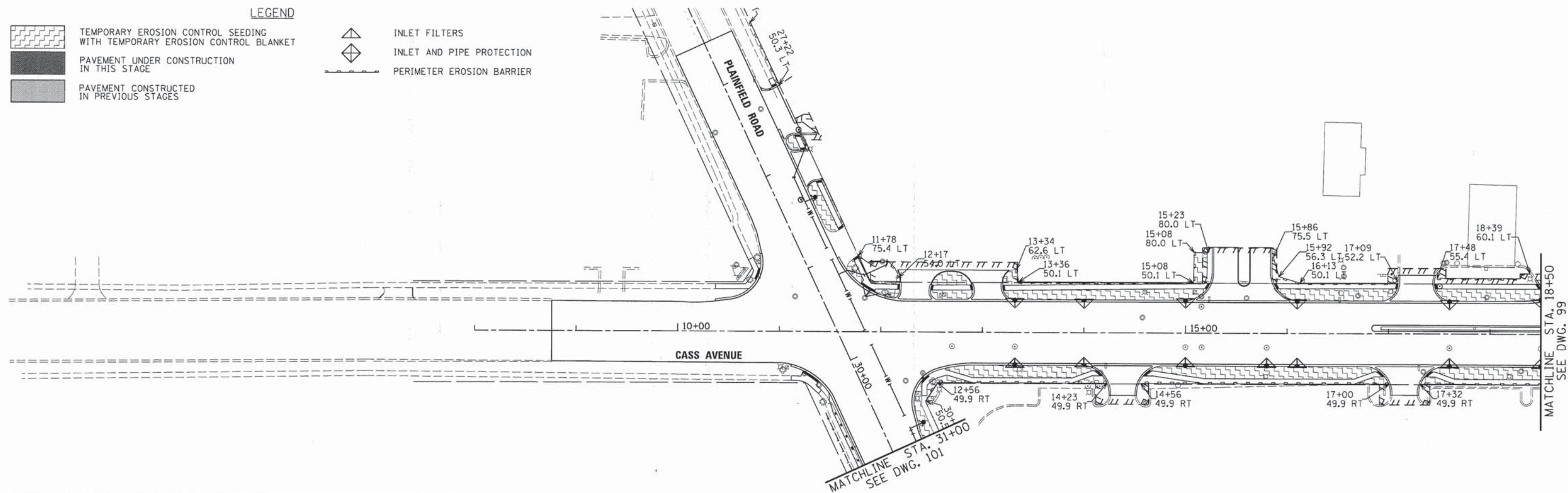
EROSION CONTROL PLANS - STAGE 2  
 75TH STREET / PLAINFIELD ROAD

SCALE: 1"=50' SHEET NO. 13 OF 15 SHEETS STA. 686+00 TO STA. 695+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PV	DU PAGE	285	101
CONTRACT NO. 63851				
FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT				

LEGEND

-  TEMPORARY EROSION CONTROL SEEDING WITH TEMPORARY EROSION CONTROL BLANKET
-  PAVEMENT UNDER CONSTRUCTION IN THIS STAGE
-  PAVEMENT CONSTRUCTED IN PREVIOUS STAGES
-  INLET FILTERS
-  INLET AND PIPE PROTECTION
-  PERIMETER EROSION BARRIER



USER NAME = #USER#	DESIGNED - JDH	REVISED - ---
PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED - ---
PLOT DATE = #DATE#	CHECKED - VJD	REVISED - ---
	DATE - 03/04/13	REVISED - ---

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLANS - STAGE 2  
CASS AVENUE

SCALE: 1"=50' SHEET NO. 14 OF 15 SHEETS STA. 08+00 TO STA. 30+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PV	DU PAGE	285	102
				CONTRACT NO. 63851
FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT				



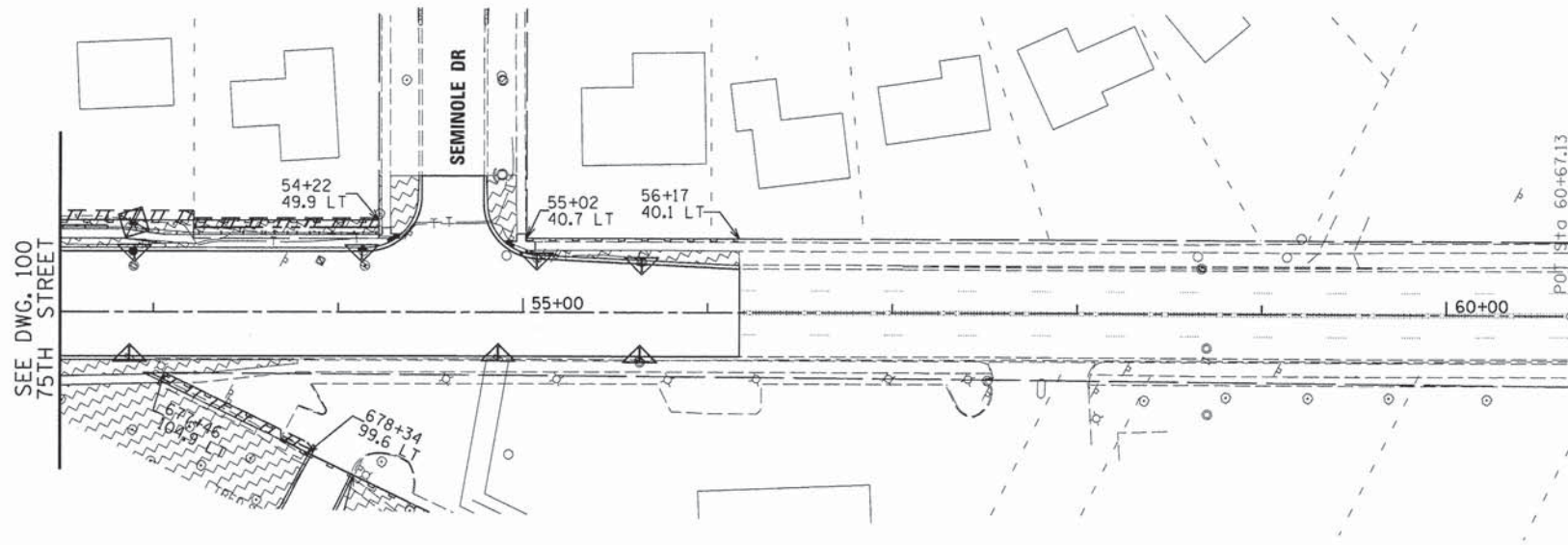
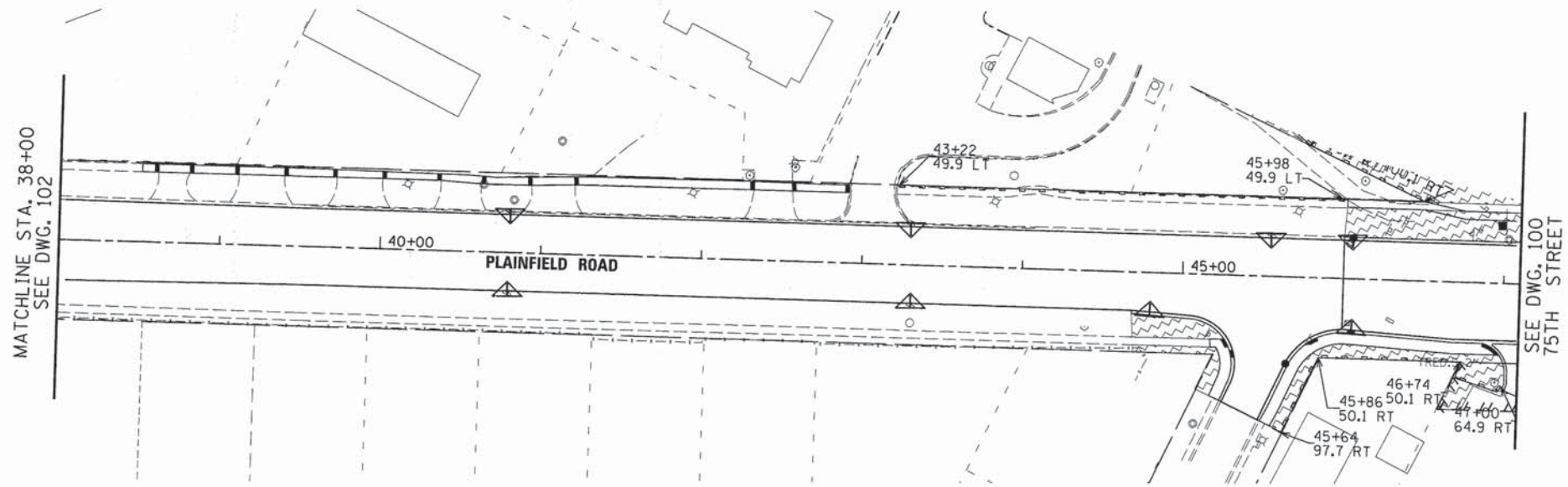
LEGEND



TEMPORARY EROSION CONTROL SEEDING WITH TEMPORARY EROSION CONTROL BLANKET  
 PAVEMENT UNDER CONSTRUCTION IN THIS STAGE  
 PAVEMENT CONSTRUCTED IN PREVIOUS STAGES



INLET FILTERS  
 INLET AND PIPE PROTECTION  
 PERIMETER EROSION BARRIER



USER NAME = #USER#	DESIGNED - JDH	REVISED - ---
PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED - ---
PLOT DATE = #DATE#	CHECKED - VJD	REVISED - ---
	DATE - 03/04/13	REVISED - ---

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

EROSION CONTROL PLANS - STAGE 2  
 PLAINFIELD ROAD

SCALE: 1"=50' SHEET NO. 15 OF 15 SHEETS STA. 38+00 TO STA. 60+60

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PV	DU PAGE	285	103
CONTRACT NO. 63851				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

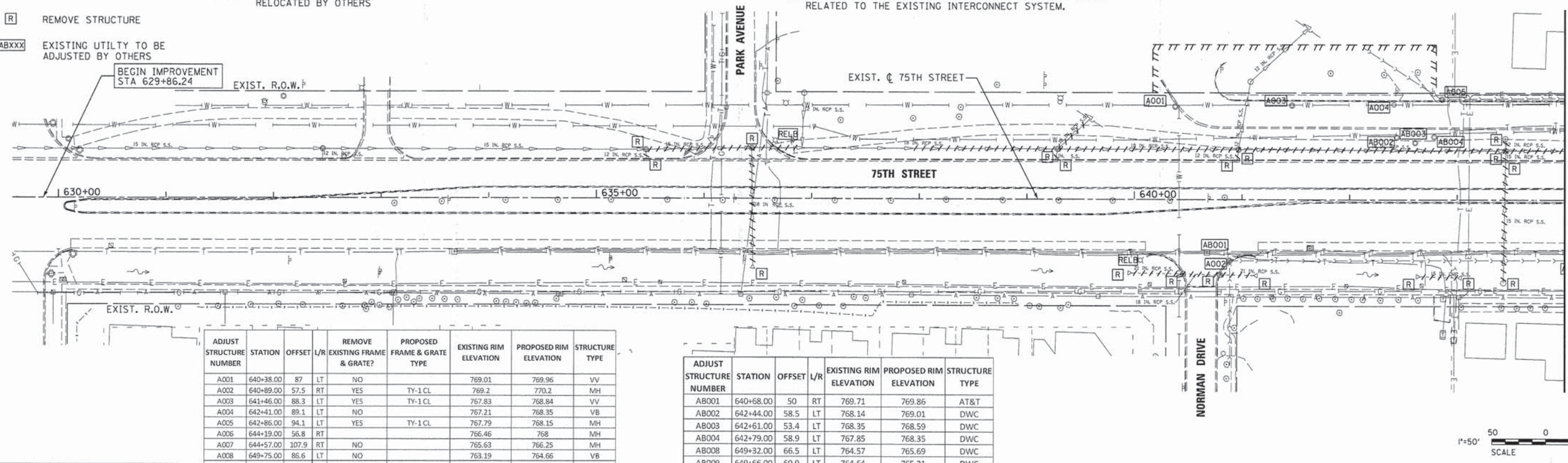


**LEGEND**

- REC RECONSTRUCT STRUCTURE
- AXXX ADJUST STRUCTURE
- R REMOVE STRUCTURE
- ABXXX EXISTING UTILITY TO BE ADJUSTED BY OTHERS
- AND  STORM SEWER PIPE AND PIPE CULVERT REMOVAL
- RELB EXISTING UTILITY TO BE RELOCATED BY OTHERS

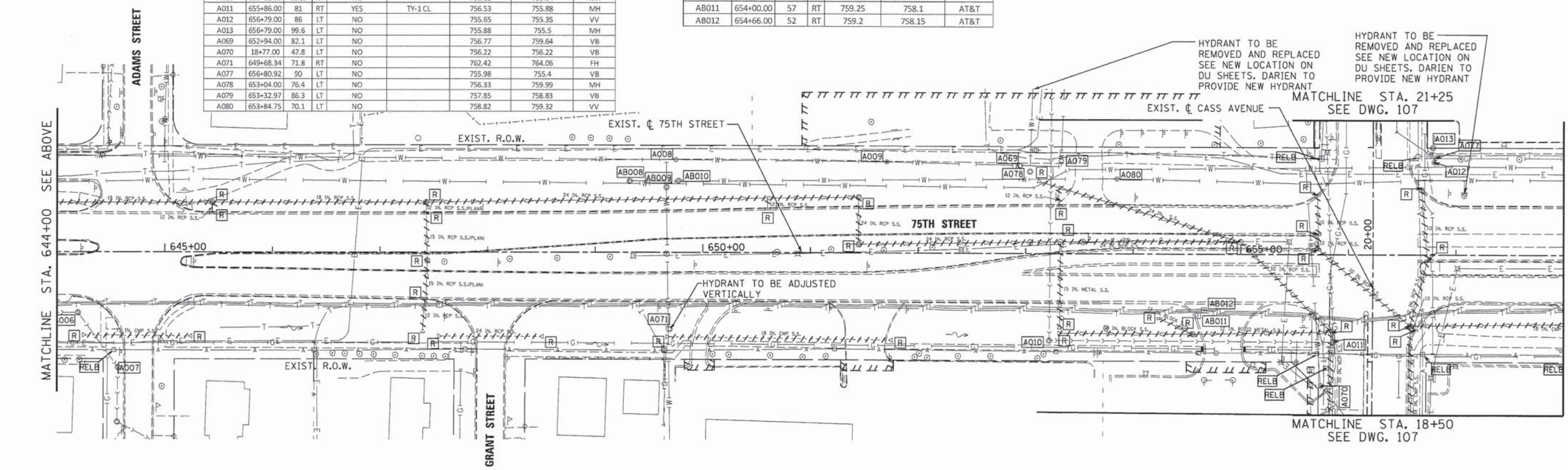
**NOTES:**

1. SEE TRAFFIC SIGNAL PLANS FOR TRAFFIC SIGNAL REMOVALS AND ROADWAY REMOVAL PLANS FOR LIGHTING REMOVALS.
2. SEE TEMPORARY INTERCONNECT PLANS FOR REMOVAL ITEMS RELATED TO THE EXISTING INTERCONNECT SYSTEM.



ADJUST STRUCTURE NUMBER	STATION	OFFSET	L/R	REMOVE EXISTING FRAME & GRATE?	PROPOSED FRAME & GRATE TYPE	EXISTING RIM ELEVATION	PROPOSED RIM ELEVATION	STRUCTURE TYPE
A001	640+38.00	87	LT	NO		769.01	769.96	VV
A002	640+89.00	57.5	RT	YES	TY-1 CL	769.2	770.2	MH
A003	641+46.00	88.3	LT	YES	TY-1 CL	767.83	768.84	VV
A004	642+41.00	89.1	LT	NO		767.21	768.35	VB
A005	642+86.00	94.1	LT	YES	TY-1 CL	767.79	768.15	MH
A006	644+19.00	56.8	RT			766.46	768	MH
A007	644+57.00	107.9	RT	NO		765.63	766.25	MH
A008	649+75.00	86.6	LT	NO		763.19	764.66	VB
A009	651+71.00	85.3	LT	NO		758.27	759.68	VV
A010	653+22.00	81.19	RT	NO		758.82	759.34	MH
A011	655+86.00	81	RT	YES	TY-1 CL	756.53	755.88	MH
A012	656+79.00	86	LT	NO		755.65	755.35	VV
A013	656+79.00	99.6	LT	NO		755.88	755.5	MH
A069	652+94.00	82.1	LT	NO		756.77	759.64	VB
A070	18+77.00	47.8	LT	NO		756.22	756.22	VB
A071	649+68.34	71.8	RT	NO		762.42	764.05	FH
A077	656+80.92	90	LT	NO		755.98	755.4	VB
A078	653+04.00	76.4	LT	NO		756.33	759.99	MH
A079	653+32.97	86.3	LT	NO		757.85	758.83	VB
A080	653+84.75	70.1	LT	NO		758.82	759.32	VV

ADJUST STRUCTURE NUMBER	STATION	OFFSET	L/R	EXISTING RIM ELEVATION	PROPOSED RIM ELEVATION	STRUCTURE TYPE
AB001	640+68.00	50	RT	769.71	769.86	AT&T
AB002	642+44.00	58.5	LT	768.14	769.01	DWC
AB003	642+61.00	53.4	LT	768.35	768.59	DWC
AB004	642+79.00	58.9	LT	767.85	768.35	DWC
AB008	649+32.00	66.5	LT	764.57	765.69	DWC
AB009	649+66.00	60.9	LT	764.64	765.21	DWC
AB010	649+77.00	67	LT	763.85	795.13	DWC
AB011	654+00.00	57	RT	759.25	758.1	AT&T
AB012	654+66.00	52	RT	759.2	758.15	AT&T



HYDRANT TO BE REMOVED AND REPLACED SEE NEW LOCATION ON DU SHEETS. DARIEN TO PROVIDE NEW HYDRANT

HYDRANT TO BE REMOVED AND REPLACED SEE NEW LOCATION ON DU SHEETS. DARIEN TO PROVIDE NEW HYDRANT



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USER NAME = #USER#  
DESIGNED - JDH  
DRAWN - DRP  
CHECKED - VJD  
DATE - 03/04/13

REVISED - ---  
REVISED - ---  
REVISED - ---  
REVISED - ---

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLANS: DRAINAGE AND UTILITY  
75TH STREET**

SCALE: 1"=50'  
SHEET NO. 1 OF 6 SHEETS STA. 630+00 TO STA. 658+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PV	DU PAGE	285	104
CONTRACT NO. 63851				

FED. ROAD DIST. NO. 1 | ILLINOIS FED. AID PROJECT

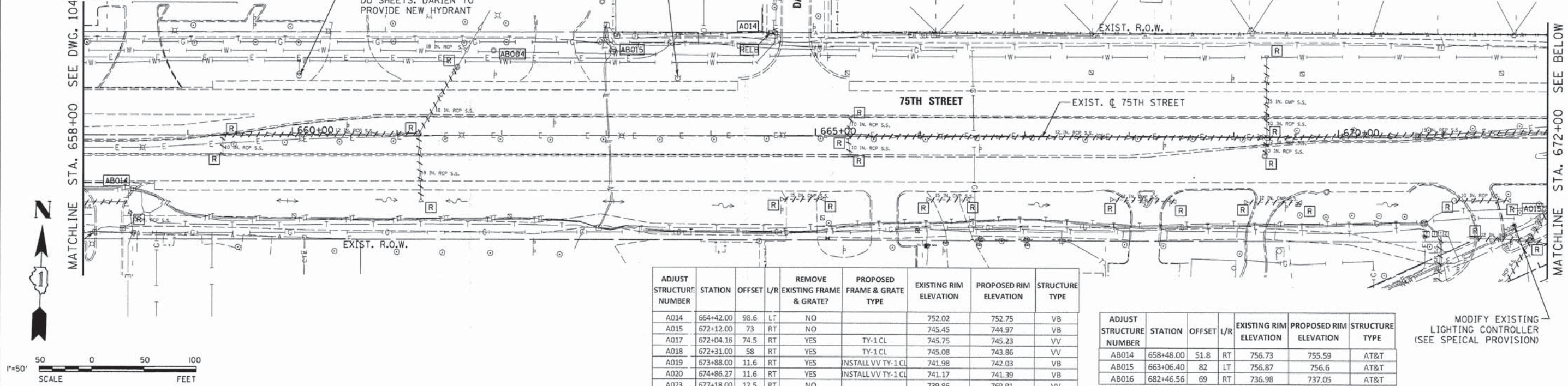


LEGEND

- REC** RECONSTRUCT STRUCTURE
- AXXX** ADJUST STRUCTURE
- R** REMOVE STRUCTURE
- ABXXX** EXISTING UTILITY TO BE ADJUSTED BY OTHERS
- RELB** EXISTING UTILITY TO BE RELOCATED BY OTHERS
- +++++ AND ++++++ STORM SEWER PIPE AND PIPE CULVERT REMOVAL
- HYDRANT TO BE REMOVED AND REPLACED SEE NEW LOCATION ON DU SHEETS, DARIEN TO PROVIDE NEW HYDRANT

NOTES:

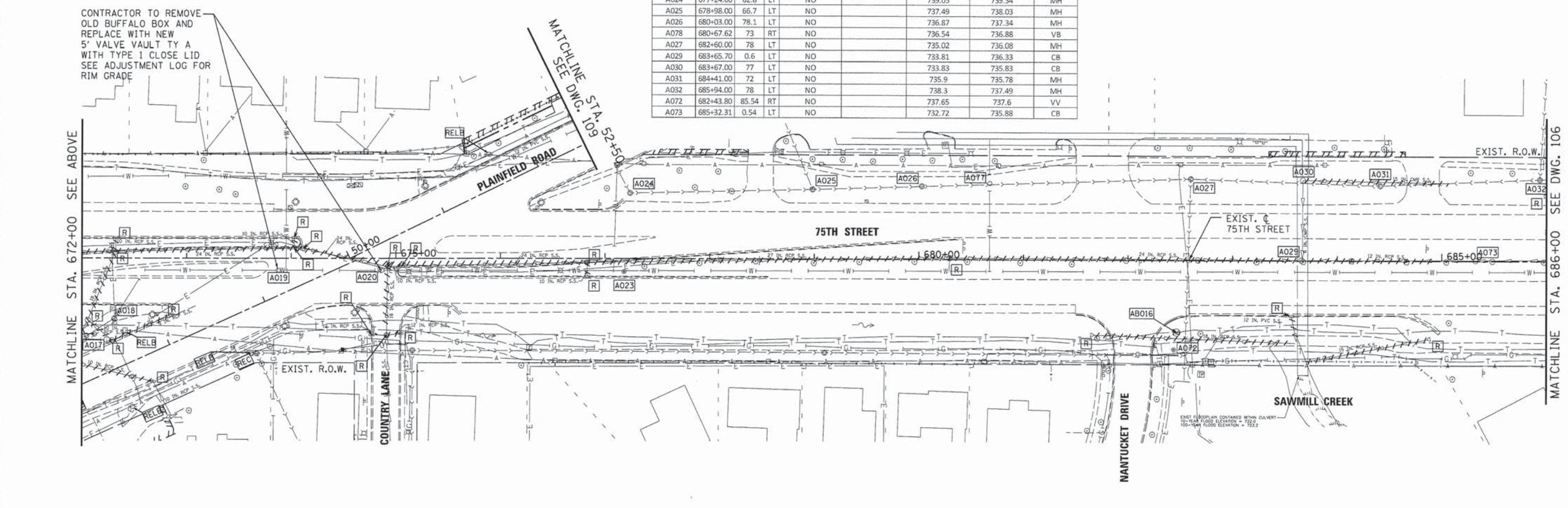
1. SEE TRAFFIC SIGNAL PLANS FOR TRAFFIC SIGNAL REMOVALS AND ROADWAY REMOVAL PLANS FOR LIGHTING REMOVALS.
2. SEE TEMPORARY INTERCONNECT PLANS FOR REMOVAL ITEMS RELATED TO THE EXISTING INTERCONNECT SYSTEM.



ADJUST STRUCTURE NUMBER	STATION	OFFSET	L/R	REMOVE EXISTING FRAME & GRATE?	PROPOSED FRAME & GRATE TYPE	EXISTING RIM ELEVATION	PROPOSED RIM ELEVATION	STRUCTURE TYPE
A014	664+42.00	98.6	L	NO		752.02	752.75	VB
A015	672+12.00	73	RT	NO		745.45	744.97	VB
A017	672+04.16	74.5	RT	YES	TY-1 CL	745.75	745.23	VV
A018	672+31.00	58	RT	YES	TY-1 CL	745.08	743.86	VV
A019	673+88.00	11.6	RT	YES	INSTALL VV TY-1 CL	741.98	742.03	VB
A020	674+86.27	11.6	RT	YES	INSTALL VV TY-1 CL	741.17	741.39	VB
A023	677+18.00	12.5	RT	NO		739.86	769.91	VV
A024	677+24.00	62.8	LT	NO		739.05	739.34	MH
A025	678+98.00	66.7	LT	NO		737.49	738.03	MH
A026	680+03.00	78.1	LT	NO		736.87	737.34	MH
A078	680+67.62	73	RT	NO		736.54	736.88	VB
A027	682+60.00	78	LT	NO		735.02	736.08	MH
A029	683+65.70	0.6	LT	NO		733.81	736.33	CB
A030	683+67.00	77	LT	NO		733.83	735.83	CB
A031	684+41.00	72	LT	NO		735.9	735.78	MH
A032	685+94.00	78	LT	NO		738.3	737.49	MH
A072	682+43.80	85.54	RT	NO		737.65	737.6	VV
A073	685+32.31	0.54	LT	NO		732.72	735.88	CB

ADJUST STRUCTURE NUMBER	STATION	OFFSET	L/R	EXISTING RIM ELEVATION	PROPOSED RIM ELEVATION	STRUCTURE TYPE
AB014	658+48.00	51.8	RT	756.73	755.59	AT&T
AB015	663+06.40	82	LT	756.87	756.6	AT&T
AB016	682+46.56	69	RT	736.98	737.05	AT&T

MODIFY EXISTING LIGHTING CONTROLLER (SEE SPECIAL PROVISION)



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USER NAME = #USER#	DESIGNED - JDH	REVISED - ---
PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED - ---
PLOT DATE = #DATE#	CHECKED - VJD	REVISED - ---
	DATE - 03/04/13	REVISED - ---

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

REMOVAL PLANS: DRAINAGE AND UTILITY  
75TH STREET

SCALE: 1"=50' SHEET NO. 2 OF 6 SHEETS STA. 658+00 TO STA. 686+00

F.A.P. RTE. 0369	SECTION 12-00233-07-PV	COUNTY DU PAGE	TOTAL SHEETS 285	SHEET NO. 105
CONTRACT NO. 63851				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



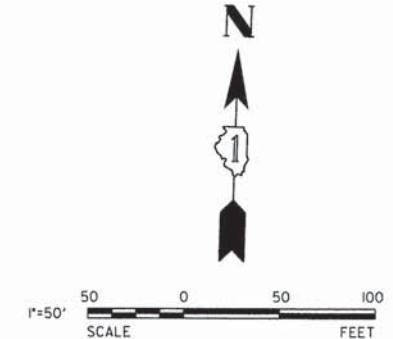
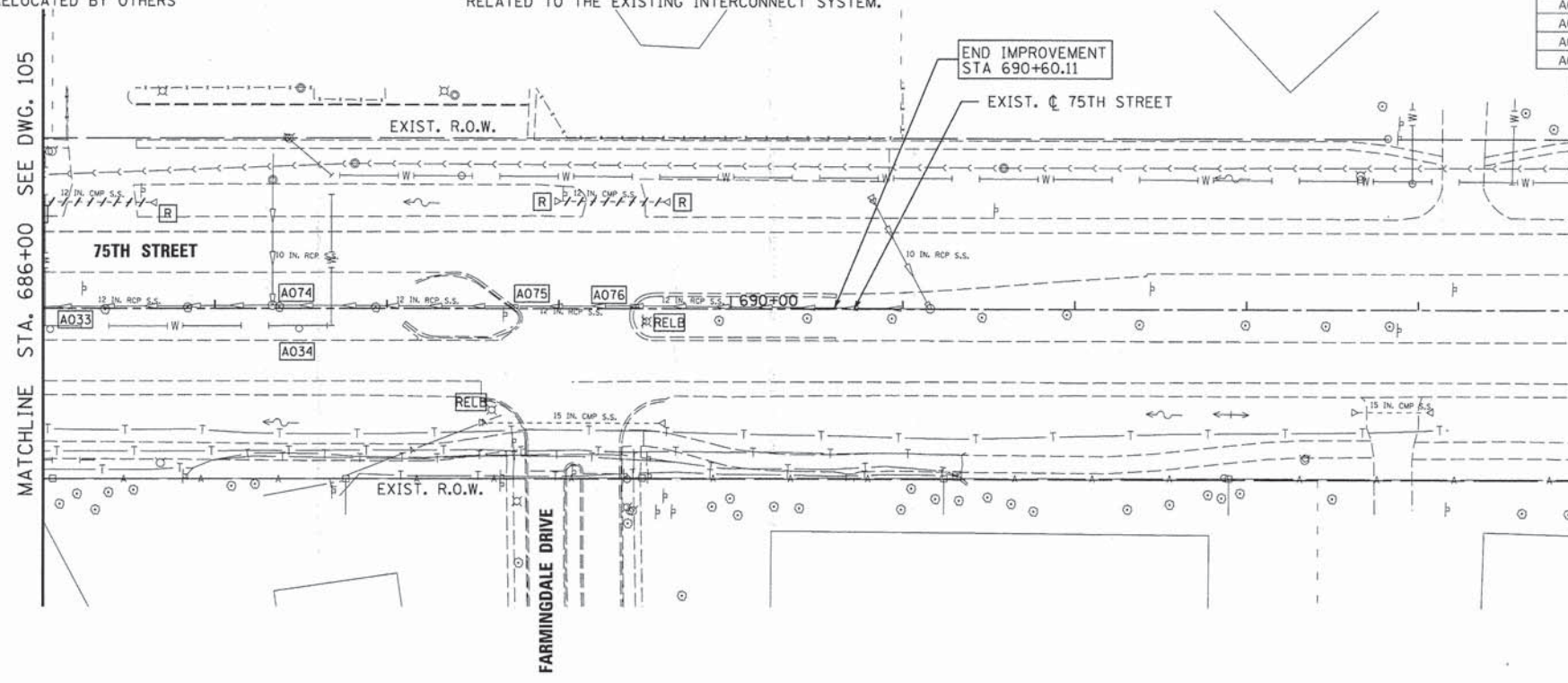
LEGEND

- REC RECONSTRUCT STRUCTURE     **+++++** AND **+++++** STORM SEWER PIPE AND PIPE CULVERT REMOVAL
- AXXX ADJUST STRUCTURE     RELB EXISTING UTILITY TO BE RELOCATED BY OTHERS
- R REMOVE STRUCTURE
- ABXXX EXISTING UTILITY TO BE ADJUSTED BY OTHERS     RECN IMPROVEMENT

NOTES:

1. SEE TRAFFIC SIGNAL PLANS FOR TRAFFIC SIGNAL REMOVALS AND ROADWAY REMOVAL PLANS FOR LIGHTING REMOVALS.
2. SEE TEMPORARY INTERCONNECT PLANS FOR REMOVAL ITEMS RELATED TO THE EXISTING INTERCONNECT SYSTEM.

ADJUST STRUCTURE NUMBER	STATION	OFFSET	L/R	REMOVE EXISTING FRAME & GRATE?	PROPOSED FRAME & GRATE TYPE	EXISTING RIM ELEVATION	PROPOSED RIM ELEVATION	STRUCTURE TYPE
A033	686+04.00	12.3	RT	NO		735.14	736.4	VB
A034	687+49.00	11.81	RT	NO		735.94	737.22	VB
A074	687+33.50	1.84	LT	NO		735.82	736.95	CB
A075	688+73.80	1.25	LT	YES	TY-1 CL	736.86	736.86	CB
A076	689+44.60	1.54	LT	YES	TY-11 F&G	737.45	737.45	CB



USER NAME * #USER*	DESIGNED - JDH	REVISED - ---
PLOT SCALE * #SCALE*	DRAWN - DRP	REVISED - ---
PLOT DATE * #DATE*	CHECKED - VJD	REVISED - ---
	DATE - 03/04/13	REVISED - ---

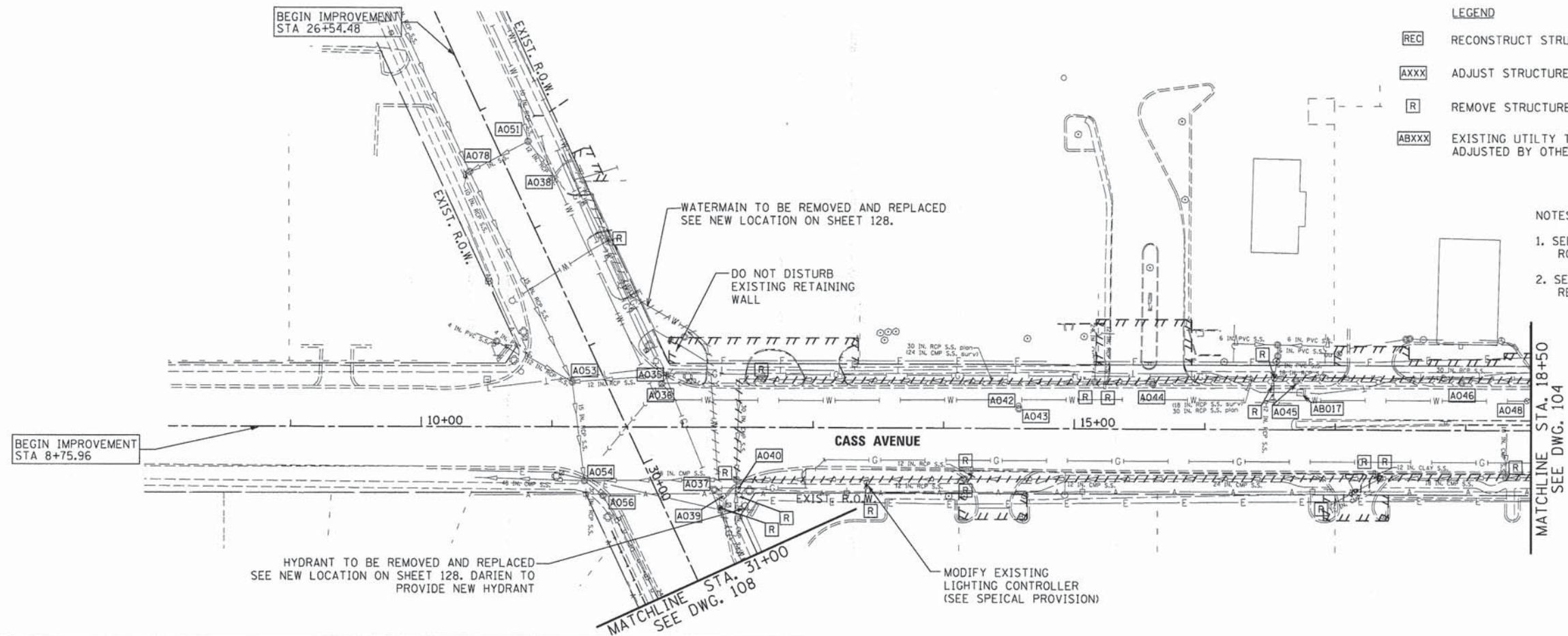
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

REMOVAL PLANS: DRAINAGE AND UTILITY  
75TH STREET

SCALE: 1"=50' SHEET NO. 3 OF 6 SHEETS STA. 686+00 TO STA. 695+00

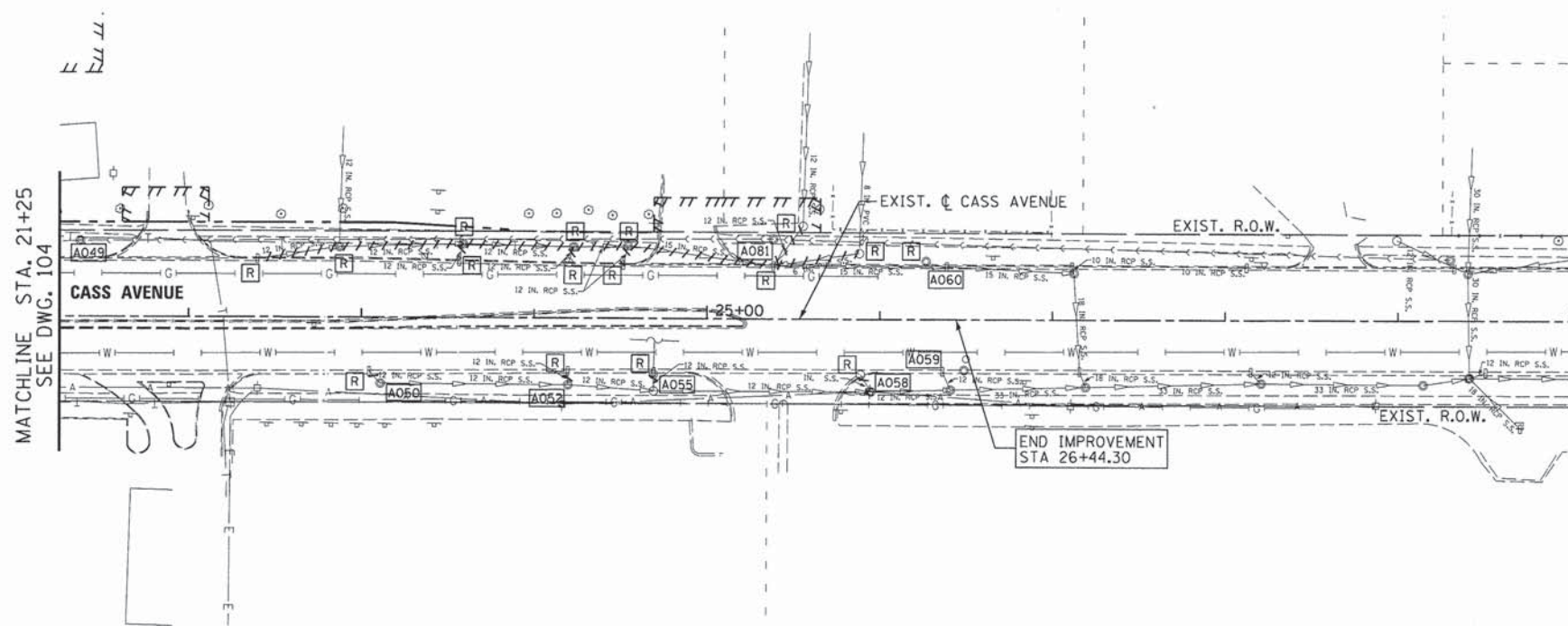
F.A.P. RTE. 0369	SECTION 12-00233-07-PV	COUNTY DU PAGE	TOTAL SHEETS 285	SHEET NO. 106
CONTRACT NO. 63851				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				





ADJUST STRUCTURE NUMBER	STATION	OFFSET	L/R	REMOVE EXISTING FRAME & GRATE?	PROPOSED FRAME & GRATE TYPE	EXISTING RIM ELEVATION	PROPOSED RIM ELEVATION	STRUCTURE TYPE
A035	11+88.00	48.2	LT	YES	TY-23 F&G	749.49	749.49	INL
A036	11+84.00	33.6	LT	YES	TY-1 CL	749.68	749.67	MH
A037	12+24.60	48.2	RT	YES	TY-1 CL	749.64	749.64	VV
A039	12+31.60	53.2	RT	NO		749.51	749.51	GAS VB
A040	12+42.00	48.1	RT	NO		749.91	749.91	GAS VB
A042	14+58.00	17.68	LT	NO		751.16	751.37	VB
A043	14+57.60	15.34	LT	YES	TY-1 CL	751.12	751.42	VV
A044	15+60.00	35	LT	YES	TY-1 CL	751.57	751.79	MH
A045	16+70.00	37.7	LT	NO		753.19	753.21	MH
A046	17+97.00	36.6	LT	NO		755.1	754.77	MH
A048	18+46.78	22.9	LT	NO		755.22	753.85	VB
A049	21+37.00	44.2	LT	NO		756.37	755.71	MH
A050	23+11.00	38.7	RT	NO		753.16	753.12	MH
A051	27+36.98	23.5	LT	NO		MATCH EXISTING	MATCH EXISTING	MH
A078	27+39.51	27	RT	NO		MATCH EXISTING	MATCH EXISTING	MH
A052	24+20.00	39.2	RT	NO		752.25	752.01	MH
A053	11+15.49	34.7	LT	NO		749.75	749.75	MH
A054	11+25.02	41.6	RT	YES	TY-1 CL	749.01	749.01	MH
A055	24+69.20	42.52	RT	NO		752.11	752.23	CB
A056	11+39.44	53.1	RT	NO		749.58	749.58	MH
A058	25+95.00	42.4	RT	NO		752.35	752.55	MH
A059	26+36.30	30.4	RT	YES	TY-23 F&G	752.13	752.08	INL
A060	26+39.00	30	LT	YES	TY-23 F&G	752.27	752.26	MH
A081	25+38.38	46.4	LT	YES	TY-1 CL	752.25	752.26	MH

ADJUST STRUCTURE NUMBER	STATION	OFFSET	L/R	EXISTING RIM ELEVATION	PROPOSED RIM ELEVATION	STRUCTURE TYPE
AB017	16+73.10	29	LT	752.55	752.78	AT&T



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USER NAME \* \$USER\$  
DESIGNED - JDH  
DRAWN - DRP  
CHECKED - VJD  
DATE - 03/04/13

REVISED - ---  
REVISED - ---  
REVISED - ---  
REVISED - ---

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

REMOVAL PLANS: DRAINAGE AND UTILITY  
CASS AVENUE

SCALE: 1"=50'  
SHEET NO. 4 OF 6 SHEETS | STA. 30+00 TO STA. 12+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PV	DU PAGE	285	107
CONTRACT NO. 63851				

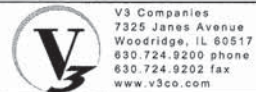
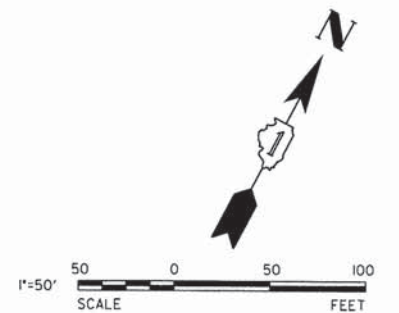
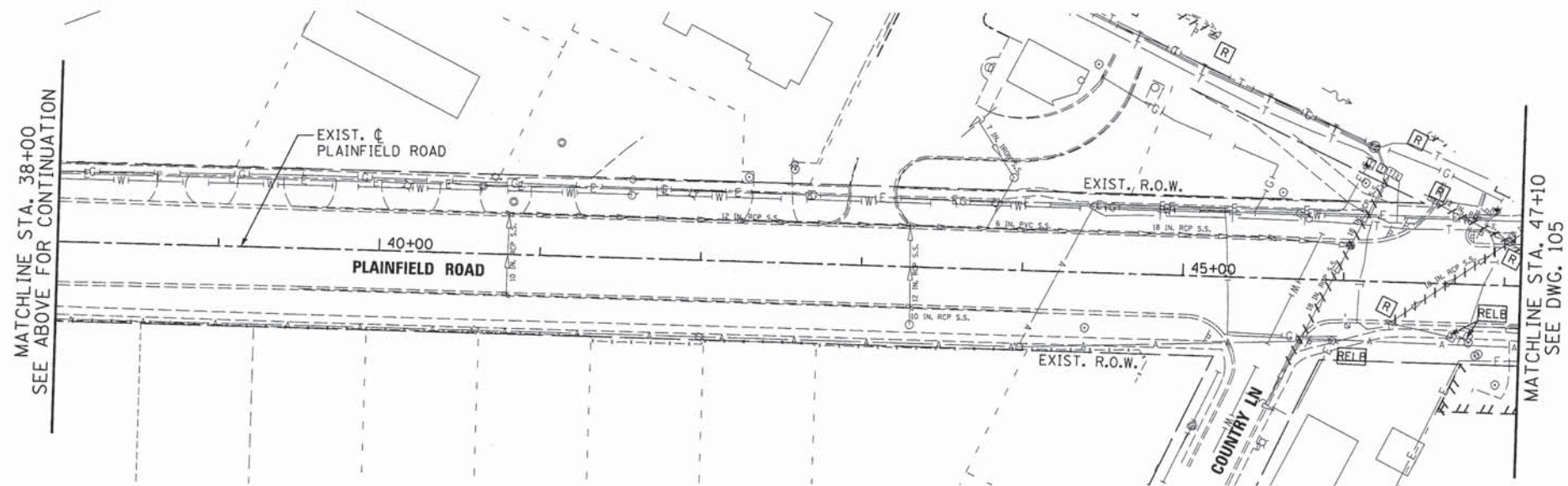
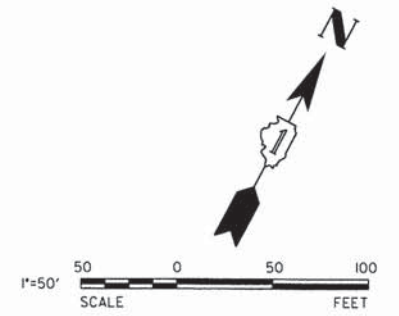
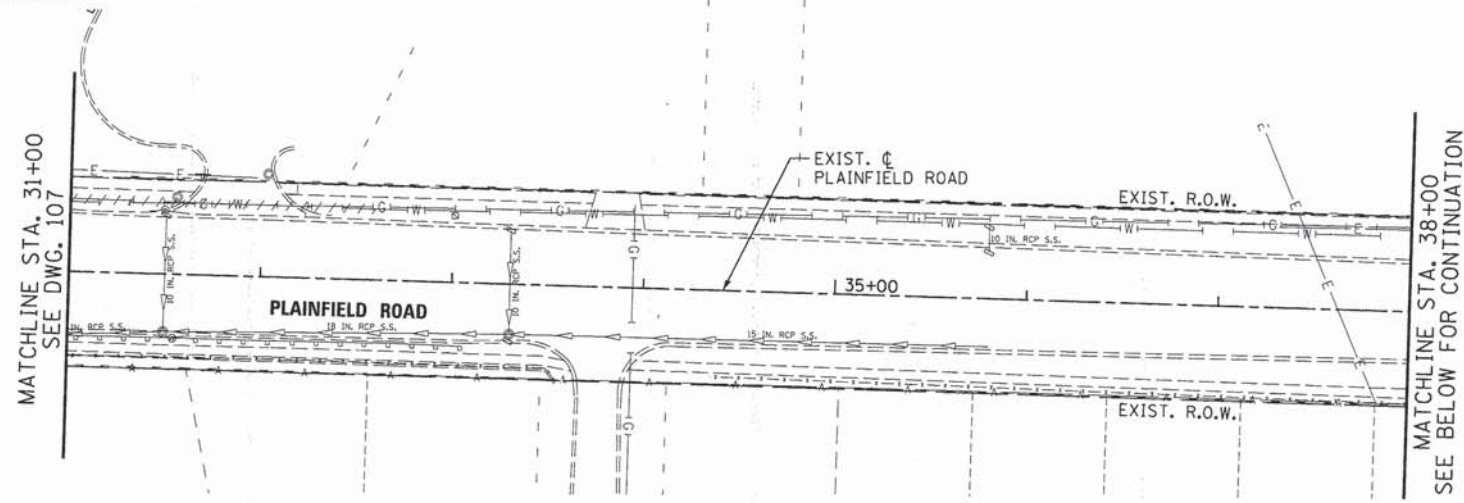
FED. ROAD DIST. NO. 1 | ILLINOIS FED. AID PROJECT



- LEGEND**
- REC RECONSTRUCT STRUCTURE
  - AXXX ADJUST STRUCTURE
  - R REMOVE STRUCTURE
  - ABXXX EXISTING UTILITY TO BE ADJUSTED BY OTHERS

- AND STORM SEWER PIPE AND PIPE CULVERT REMOVAL
- RELB EXISTING UTILITY TO BE RELOCATED BY OTHERS
- WATER MAIN ABANDONMENT

- NOTES:**
1. SEE TRAFFIC SIGNAL PLANS FOR TRAFFIC SIGNAL REMOVALS AND ROADWAY REMOVAL PLANS FOR LIGHTING REMOVALS.
  2. SEE TEMPORARY INTERCONNECT PLANS FOR REMOVAL ITEMS RELATED TO THE EXISTING INTERCONNECT SYSTEM.



USER NAME = #USER#	DESIGNED - JDH	REVISED - ---
PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED - ---
PLOT DATE = #DATE#	CHECKED - VJD	REVISED - ---
	DATE - 03/04/13	REVISED - ---

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLANS: DRAINAGE AND UTILITY  
PLAINFIELD ROAD**

SCALE: 1"=50'    SHEET NO. 5 OF 6 SHEETS    STA. 25+00 TO STA. 48+10

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PV	DU PAGE	285	108
CONTRACT NO. 63851				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

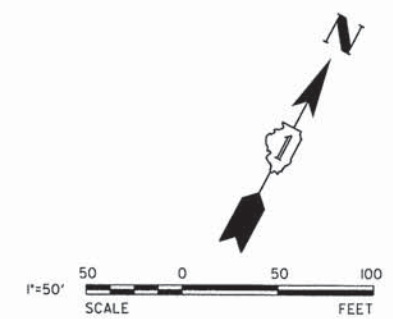
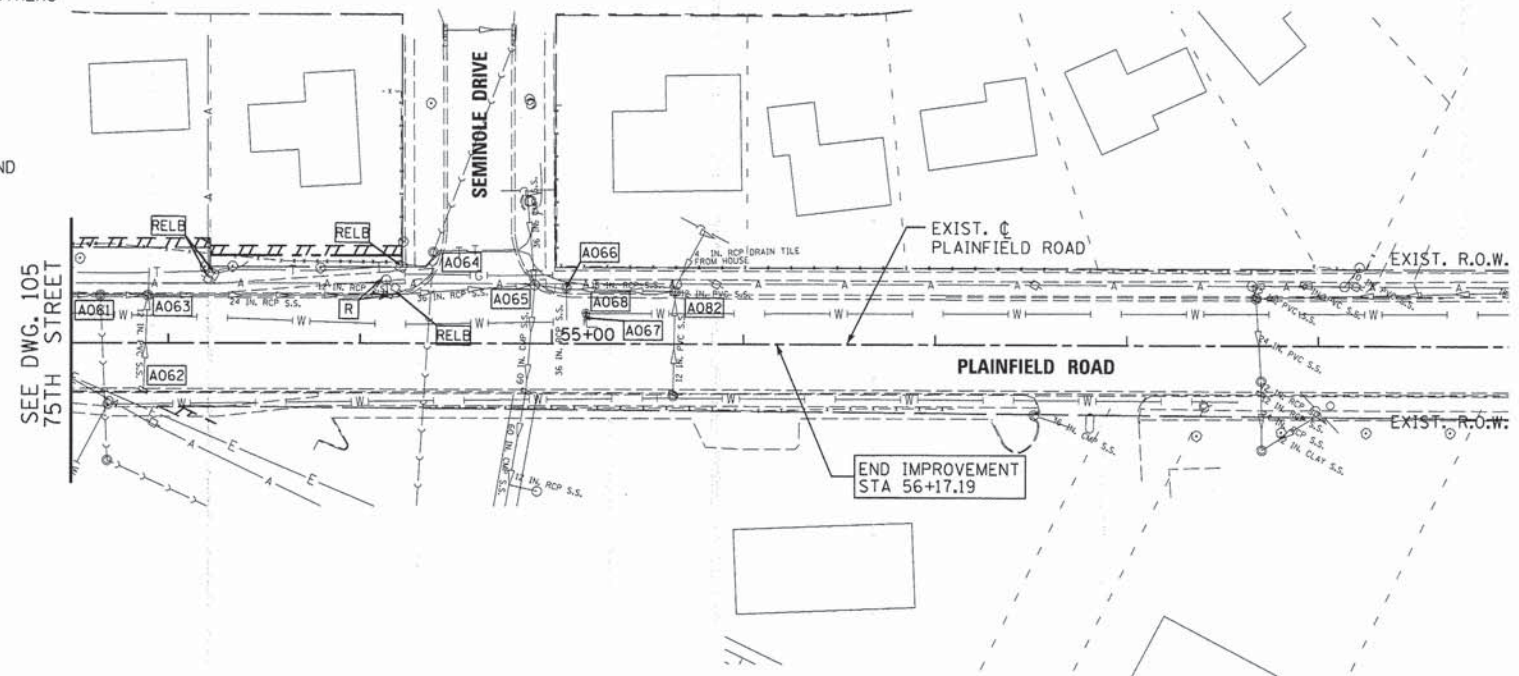


**LEGEND**

- REC** RECONSTRUCT STRUCTURE    AND STORM SEWER PIPE AND PIPE CULVERT REMOVAL
- AXXX** ADJUST STRUCTURE        **RELB** EXISTING UTILITY TO BE RELOCATED BY OTHERS
- R** REMOVE STRUCTURE
- ABXXX** EXISTING UTILITY TO BE ADJUSTED BY OTHERS

**NOTES:**

1. SEE TRAFFIC SIGNAL PLANS FOR TRAFFIC SIGNAL REMOVALS AND ROADWAY REMOVAL PLANS FOR LIGHTING REMOVALS.
2. SEE TEMPORARY INTERCONNECT PLANS FOR REMOVAL ITEMS RELATED TO THE EXISTING INTERCONNECT SYSTEM.



ADJUST STRUCTURE NUMBER	STATION	OFFSET	L/R	REMOVE EXISTING FRAME & GRATE?	PROPOSED FRAME & GRATE TYPE	EXISTING RIM ELEVATION	PROPOSED RIM ELEVATION	STRUCTURE TYPE
A061	52+64.55	25	LT	YES	TY-1 CL	737.25	737.64	MH
A062	52+87.00	24.8	RT	YES	TY-23 F&G	736.93	737.32	INL
A063	52+89.00	25	LT	YES	TY-1 CL	736.9	737.2	MH
A064	54+38.00	47.8	LT	NO		735.52	735.6	MH
A065	54+91.00	30.7	LT	YES	TY-1 CL	735.01	735.15	CB
A066	55+08.00	29.3	LT	NO		735.22	735.2	MH
A067	55+18.00	13.5	LT	NO		735.38	735.45	VB
A068	55+18.00	16	LT	NO		735.21	735.4	VV
A082	55+64.30	26	LT	YES	TY-15 F&G	735.06	735.19	CB



USER NAME = #USER#	DESIGNED - JDH	REVISED - ---
PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED - ---
PLOT DATE = #DATE#	CHECKED - VJD	REVISED - ---
	DATE - 03/04/13	REVISED - ---

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLANS: DRAINAGE AND UTILITY  
PLAINFIELD ROAD**

SCALE: 1"=50'    SHEET NO. 6 OF 6 SHEETS    STA. 52+50 TO STA. 60+00

F.A.P. RTE. 0369	SECTION 12-00233-07-PV	COUNTY DU PAGE	TOTAL SHEETS 285	SHEET NO. 109
CONTRACT NO. 63851				
FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT				

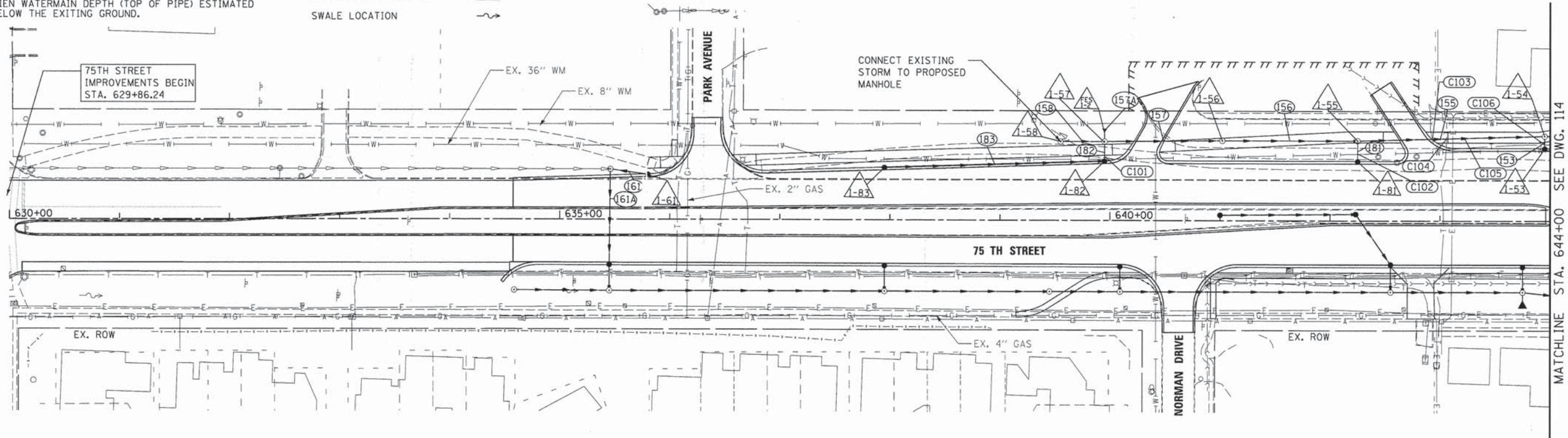




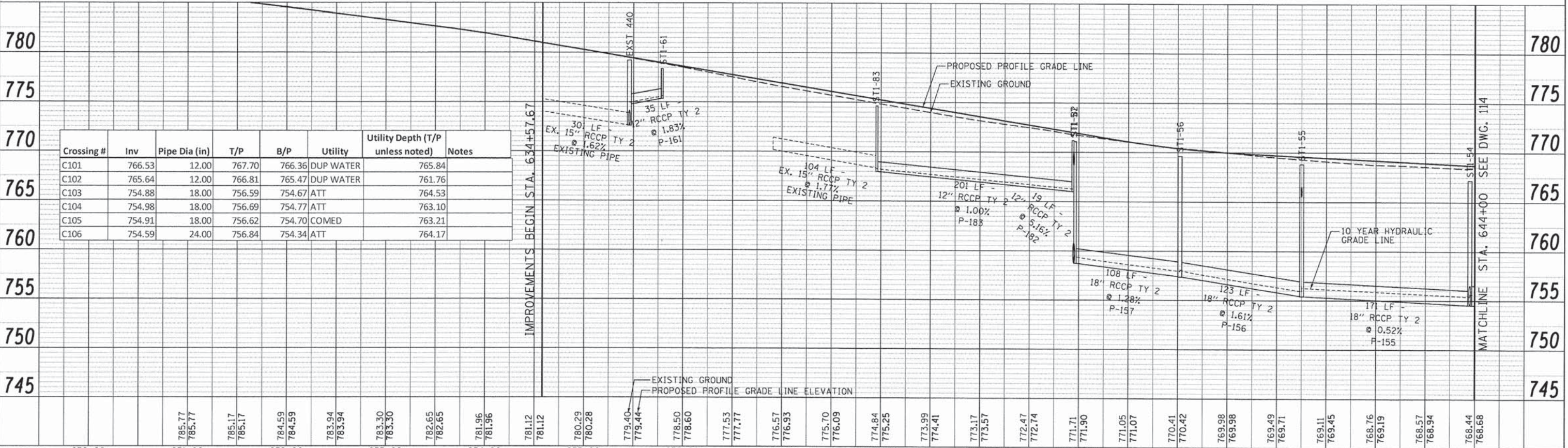


- NOTES:
- USE GASKETED PIPE TO MEET IEPA CROSSING REQUIREMENTS FOR ALL STORM SEWER PIPES.
  - SEE GENERAL NOTES FOR DRAINAGE AND UTILITY RELATED NOTES.
  - CITY OF DARIEN WATERMAIN DEPTH (TOP OF PIPE) ESTIMATED TO BE 5.5' BELOW THE EXITING GROUND.

- LEGEND:
- STORM SEWER STRUCTURE ID
  - STORM SEWER LINE ID
  - CROSSING LOCATION ID
  - SWALE LOCATION



MATCHLINE STA. 644+00 SEE DWG. 114



MATCHLINE STA. 644+00 SEE DWG. 114

Crossing #	Inv	Pipe Dia (in)	T/P	B/P	Utility	Utility Depth (T/P unless noted)	Notes
C101	766.53	12.00	767.70	766.36	DUP WATER	765.84	
C102	765.64	12.00	766.81	765.47	DUP WATER	761.76	
C103	754.88	18.00	756.59	754.67	ATT	764.53	
C104	754.98	18.00	756.69	754.77	ATT	763.10	
C105	754.91	18.00	756.62	754.70	COMED	763.21	
C106	754.59	24.00	756.84	754.34	ATT	764.17	

PLAN  
 SURVEYED  
 PLOTTED  
 ALIGNED  
 CHECKED  
 NO. \_\_\_\_\_  
 DATE \_\_\_\_\_

PROFILE  
 SURVEYED  
 PLOTTED  
 ALIGNED  
 CHECKED  
 NO. \_\_\_\_\_  
 DATE \_\_\_\_\_



**STORM SEWER STRUCTURE SCHEDULE**

Structure ID	Station	Offset	Structure Type	Diameter [ft]	Frame	Rim	Downstream Invert and Direction	Upstream Invert and Direction	Upstream Invert and Direction	Upstream Invert and Direction
ST1-18	643+75.00	65.0 RT	MH Type A	4	T1F CL	765.61	755.43 E	755.43 W	755.47 N	763.00 SW
ST1-19	642+55.00	65.0 RT	MH Type A	4	T8 F&G	764.31	756.03 E	756.03 W	756.99 N	
FES1-1	643+75.00	77.0 RT	FES	N/A	N/A	764.31	763.20 NE			
ST1-20	640+09.06	65.0 RT	MH Type A	4	T8 F&G	769.50	757.26 E	761.50 N	761.22 W	
ST1-20A	639+45.00	65.0 RT	MH Type A	4	T8 F&G	768.90	762.41 E	762.41 W		
ST1-21	637+95.00	65.0 RT	MH Type A	4	T8 F&G	770.60	765.20 E	765.20 W	765.20 N	
ST1-22	635+45.00	65.0 RT	MH Type A	5	T8 F&G	774.91	767.66 E	769.07 W	767.66 N	
ST1-23	634+58.62	64.5 RT	MH Type A	4	T8 F&G	776.59	771.35 E			
ST1-68	643+75.00	40.0 RT	CB Type A	4	T24 F&G	768.33	755.85 S			
ST1-69	642+55.00	40.0 RT	CB Type A	4	T24 F&G	768.94	757.41 S	763.23 NW		
ST1-70	642+23.31	6.0 LT	CB Type C	2	T1F CL	770.70	763.94 SE	763.94 W		
ST1-70A	641+00.00	5.0 LT	CB Type C	2	T8 F&G	771.12	766.60 E			
ST1-71	640+09.00	40.0 RT	CB Type A	4	T24 F&G	771.26	761.93 S			
ST1-72	637+95.00	39.7 RT	CB Type A	4	T24 F&G	774.85	765.72 S			
ST1-73	635+45.00	39.3 RT	CB Type A	4	T24 F&G	779.05	768.04 S	772.00 N		
ST1-53	643+95.00	64.0 LT	CB Type A	4	T24 F&G	767.63	754.63 NE			
ST1-54	643+95.00	77.5 LT	MH Type A	4	T8 F&G	767.18	754.53 E	754.53 SW	754.53 W	
ST1-55	642+25.00	73.0 LT	MH Type A	4	T1F CL	768.81	755.42 E	755.42 W	765.55 SW	
ST1-56	641+02.08	73.0 LT	MH Type A	4	T1F CL	769.63	757.40 E	757.40 W		
ST1-57	639+95.00	72.0 LT	MH Type A	5	T1F CL	771.08	758.77 E	758.77 W	765.87 SW	768.68 N
ST1-58	639+55.11	72.0 LT	MH Type A	4	T1F CL	771.46	759.47 E			
ST1-61	635+80.04	38.9 LT	CB Type C	2	T24 F&G	778.36	775.37 NW			
ST1-81	642+25.00	52.0 LT	CB Type A	4	T24 F&G	768.80	765.70 NE			
ST1-82	639+95.07	51.9 LT	CB Type A	4	T24 F&G	771.19	766.80 NE	766.00 W		
ST1-83	637+95.00	45.6 LT	CB Type A	4	T24 F&G	774.65	768.00 E	768.34 ±ME W		
FES1-2	639+95.00	80.0 LT	FES	N/A	N/A	770.00	769.00 S			

\* DPC Sag F&L is to be paid at Type 15 Frame and Grate

**STORM SEWER SCHEDULE**

Pipe ID	Upstream Node ID	Downstream Node ID	Pipe Class	Pipe Type	Diameter [in]	Length [ft]	Pipe Slope [%]	Upstream Invert	Downstream Invert	Trench Backfill
P-119	ST1-19	ST1-18	A	Type 3	24	120	0.50	756.03	755.43	52.2
P-118A	FES1-1	ST1-18	A	Type 3	12	12	1.67	763.20	763.00	-1.0
P-120	ST1-20	ST1-19	A	Type 3	24	246	0.50	757.26	756.03	337.9
P-120A	ST1-20A	ST1-20	A	Type 3	24	65	1.86	762.41	761.22	48.2
P-121	ST1-21	ST1-20A	A	Type 3	24	150	1.86	765.20	762.41	119.8
P-122	ST1-22	ST1-21	A	Type 3	24	250	0.98	767.66	765.20	146.9
P-123	ST1-23	ST1-22	A	Type 3	18	87	2.65	771.35	769.07	35.6
P-168	ST1-68	ST1-18	A	Type 3	12	23	1.65	755.85	755.47	64.8
P-169	ST1-69	ST1-19	A	Type 3	12	25	1.69	757.41	756.99	21.0
P-170	ST1-70	ST1-69	A	Type 3	12	58	1.22	763.94	763.23	27.4
P-170A	ST1-70A	ST1-70	A	Type 3	12	124	2.16	766.60	763.94	52.5
P-171	ST1-71	ST1-20	A	Type 3	12	23	1.86	761.93	761.50	16.6
P-172	ST1-72	ST1-21	A	Type 3	12	24	2.21	765.72	765.20	12.9
P-173	ST1-73	ST1-22	A	Type 3	18	24	1.62	768.04	767.66	19.9
P-153	ST1-53	ST1-54	A	Type 3	24	12	0.88	754.63	754.53	12.4
P-155	ST1-55	ST1-54	A	Type 3	18	171	0.52	755.42	754.53	297.4
P-156	ST1-56	ST1-55	A	Type 3	18	123	1.61	757.40	755.42	208.0
P-157	ST1-57	ST1-56	A	Type 3	18	108	1.28	758.77	757.40	79.6
P-158	ST1-58	ST1-57	A	Type 3	24	40	1.75	759.47	758.77	61.5
P-161	ST1-61	EXST 440	A	Type 3	12	35	1.83	775.37	774.74	2.6
P-161A	EXST 440	ST1-73	A	Type 3	18	88	0.71	772.62	772.00	55.2
P-181	ST1-81	ST1-55	A	Type 3	12	19	0.79	765.70	765.55	0.4
P-182	ST1-82	ST1-57	A	Type 3	12	19	5.16	766.80	765.87	2.5
P-183	ST1-83	ST1-82	A	Type 3	12	201	1.00	768.00	766.00	95.4
P-157A	FES1-2	ST1-57	A	Type 2	15	8	4.00	769.00	768.68	-9.4



V3 Companies  
7325 Janes Avenue  
Woodridge, IL 60517  
830.724.9200 phone  
830.724.9202 fax  
www.v3co.com

USER NAME = #USERS  
DESIGNED - JDH  
DRAWN - DRP  
CHECKED - VJD  
DATE - 03/04/13

REVISED - ---  
REVISED - ---  
REVISED - ---  
REVISED - ---

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITY SCHEDULES  
STATION 630+00 TO STATION 644+00**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PV	DU PAGE	285	112
CONTRACT NO. 63851				
FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT				

SCALE: NONE SHEET NO. 3 OF 21 SHEETS



DATE	
BY	
REVISIONS	
NO.	
PLAN	
NO.	
DATE	
BY	
REVISIONS	
NO.	
PROFILE	
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DATE	
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REVISIONS	
NO.	
PROFILE	
NO.	
DATE	
BY	
REVISIONS	
NO.	
PLAN	
NO.	

- NOTES:
- USE GASKETED PIPE TO MEET IEPA CROSSING REQUIREMENTS FOR ALL STORM SEWER PIPES.
  - SEE GENERAL NOTES FOR DRAINAGE AND UTILITY RELATED NOTES.
  - CITY OF DARIEN WATERMAIN DEPTH (TOP OF PIPE) ESTIMATED TO BE 5.5' BELOW THE EXISTING GROUND.

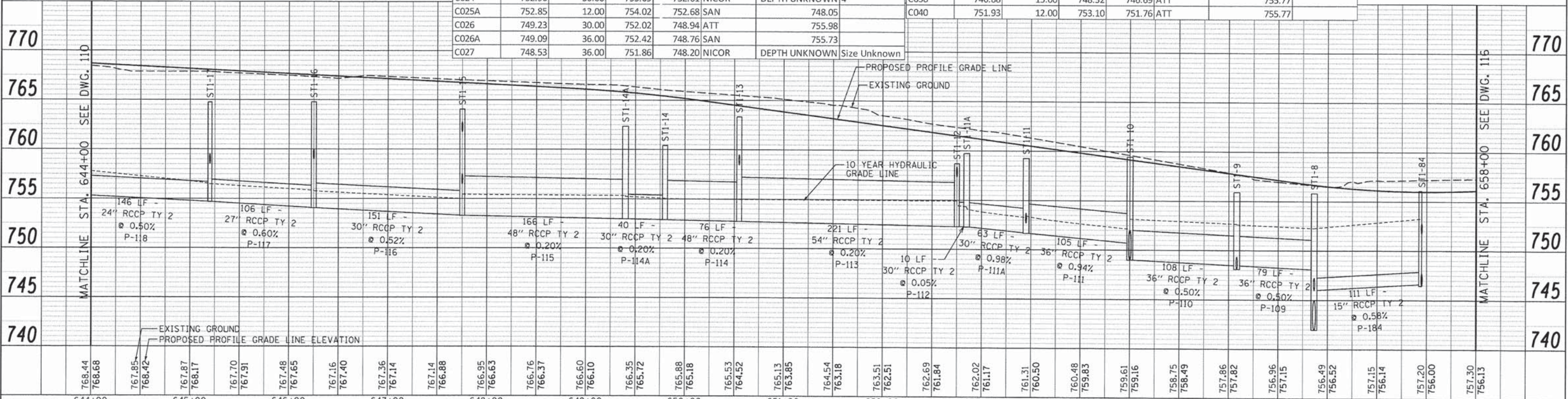
- LEGEND:
- STORM SEWER STRUCTURE ID
  - STORM SEWER LINE ID
  - CROSSING LOCATION ID
  - SWALE LOCATION

VV6  
649+67.75  
57.07' RT  
8" GATE VALVE  
5' VALVE VAULT  
RIM 764.39

NOTE FOR WATER MAIN WORK:  
CONTRACTOR TO COORDINATE WITH DARIEN  
TO SHUT OFF WATER SERVICE TO INSTALL  
NEW 8" VALVE AND VALVE VAULT.

\*\* PIPE RUN 109 SHALL BE DUCTILE IRON PIPE TO BE PAID FOR AS: STORM SEWER (WATER MAIN REQUIREMENT) 36 INCH

Crossing #	Inv	Pipe Dia (in)	T/P	B/P	Utility	Utility Depth (T/P unless noted)	Notes	Crossing #	Inv	Pipe Dia (in)	T/P	B/P	Utility	Utility Depth (T/P unless noted)	Notes
C014	755.15	24.00	757.40	754.90	SAN	758.64	T/P 8" pvc	C028	748.23	15.00	749.67	748.04	NICOR	DEPTH UNKNOWN	4"
C015	758.59	12.00	759.76	758.42	COMED	762.08		C029	748.34	15.00	749.78	748.15	SAN		745.38
C016	758.72	12.00	759.89	758.55	NICOR	DEPTH UNKNOWN	Size Unknown	C030	748.39	36.00	751.72	748.06	DUP WATER		747.50
C017	759.14	12.00	760.31	758.97	ATT	759.89		C031	748.38	36.00	751.45	748.30	ATT		753.64
C018	753.98	30.00	756.77	753.69	ATT	759.89		C032	748.35	36.00	751.68	748.02	NICOR	DEPTH UNKNOWN	Size Unknown
C019	753.78	30.00	756.57	753.49	COMED	759.44		C033	748.33	36.00	751.66	748.00	SAN		745.03
C020	756.68	12.00	757.85	756.51	NICOR	761.58	4"	C034	746.06	15.00	747.50	745.87	NICOR	DEPTH UNKNOWN	4"
C022	752.93	30.00	755.72	752.64	ATT	757.95		C035	746.14	15.00	747.58	745.95	NICOR		751.47
C023	760.84	12.00	762.01	760.67	ATT	760.19		C036	746.24	15.00	747.68	746.05	NICOR		752.27
C024	752.90	30.00	755.69	752.61	NICOR	DEPTH UNKNOWN	4"	C038	746.88	15.00	748.32	746.69	ATT		755.77
C025A	752.85	12.00	754.02	752.68	SAN	748.05		C040	751.93	12.00	753.10	751.76	ATT		755.77
C026	749.23	30.00	752.02	748.94	ATT	755.98									
C026A	749.09	36.00	752.42	748.76	SAN	755.73									
C027	748.53	36.00	751.86	748.20	NICOR	DEPTH UNKNOWN	Size Unknown								



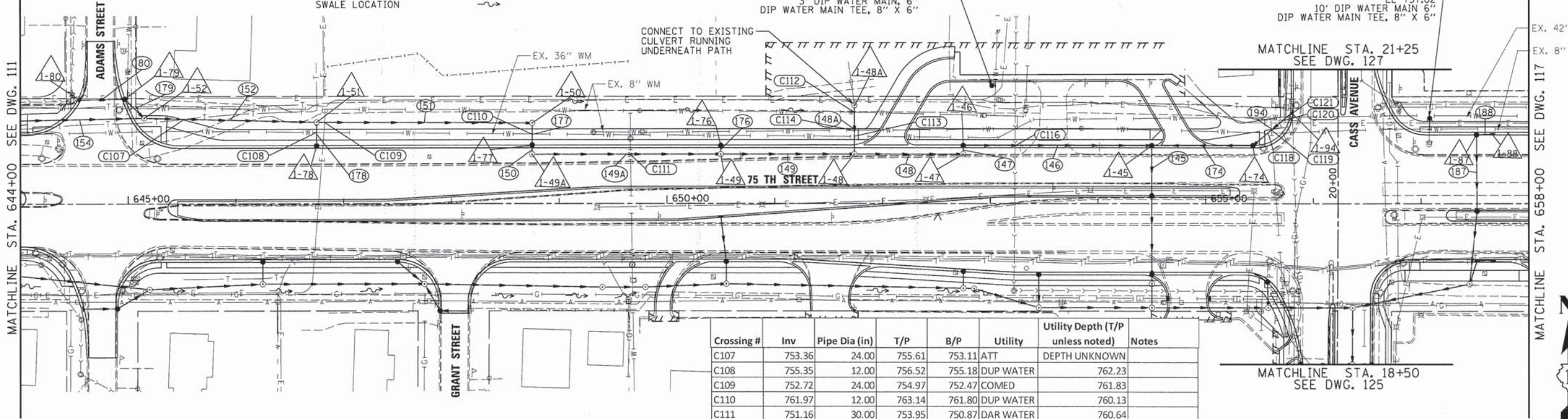


- NOTES:
1. USE GASKETED PIPE TO MEET IEPA CROSSING REQUIREMENTS FOR ALL STORM SEWER PIPES.
  2. SEE GENERAL NOTES FOR DRAINAGE AND UTILITY RELATED NOTES.

- LEGEND:
- STORM SEWER STRUCTURE ID
  - STORM SEWER LINE ID
  - CROSSING LOCATION ID
  - SWALE LOCATION

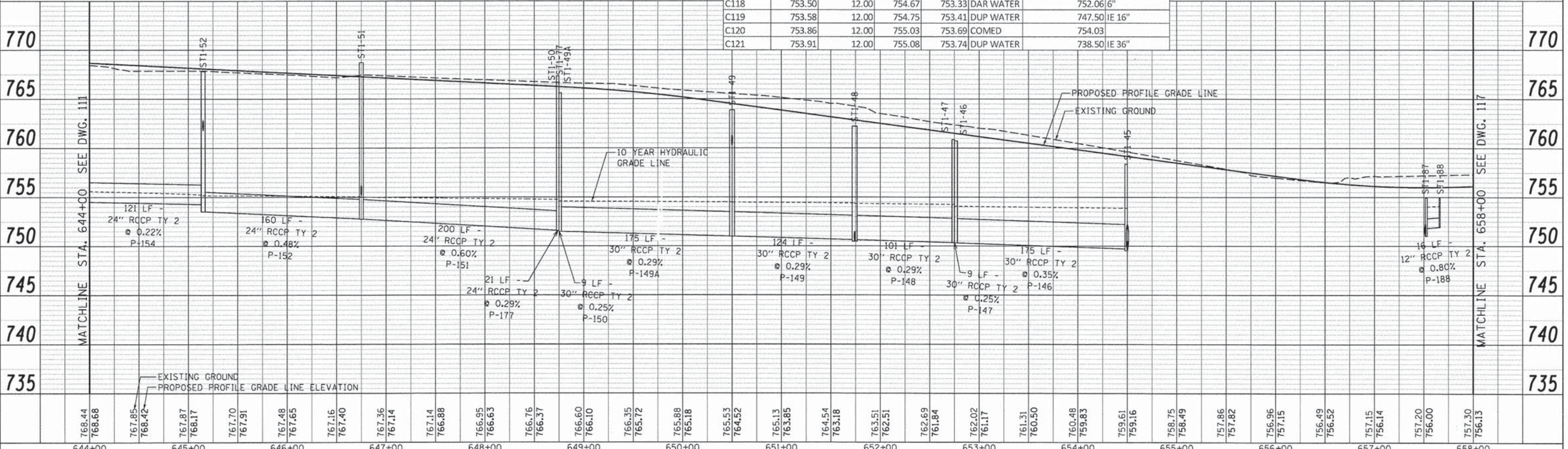
NEW LOCATION OF HYDRANT TO BE REMOVED AND REPLACED. (DARIEN TO PROVIDE NEW HYDRANT)  
 STA 653+01.66  
 O/S 109.95 LT  
 EL 756.88  
 3' DIP WATER MAIN, 6"  
 DIP WATER MAIN TEE, 8" X 6"

NEW LOCATION OF HYDRANT TO BE REMOVED AND REPLACED. (DARIEN TO PROVIDE NEW HYDRANT)  
 STA 656+11.90  
 O/S 79.46 LT  
 EL 757.02  
 10' DIP WATER MAIN 6"  
 DIP WATER MAIN TEE, 8" X 6"



Crossing #	Inv	Pipe Dia (in)	T/P	B/P	Utility	Utility Depth (T/P unless noted)	Notes
C107	753.36	24.00	755.61	753.11	ATT	DEPTH UNKNOWN	
C108	755.35	12.00	756.52	755.18	DUP WATER	762.23	
C109	752.72	24.00	754.97	752.47	COMED	761.83	
C110	761.97	12.00	763.14	761.80	DUP WATER	760.13	
C111	751.16	30.00	753.95	750.87	DAR WATER	760.64	
C112	750.74	12.00	751.91	750.57	DAR WATER	753.22	
C113	750.86	12.00	752.03	750.69	DUP WATER	754.64	
C114	750.83	12.00	752.00	750.66	DAR WATER	754.36	
C116	750.15	12.00	751.32	749.98	SAN	749.36	ESTIMATE
C118	753.50	12.00	754.67	753.33	DAR WATER	752.06	6"
C119	753.58	12.00	754.75	753.41	DUP WATER	747.50	IE 16"
C120	753.86	12.00	755.03	753.69	COMED	754.03	
C121	753.91	12.00	755.08	753.74	DUP WATER	738.50	IE 36"

\* CITY OF DARIEN WATERMAIN DEPTH (TOP OF PIPE) ESTIMATED TO BE 5.5' BELOW THE EXISTING GROUND.



PLAN

DATE	
BY	
REVISED	
DESIGNED	
DRAWN	
CHECKED	
DATE	

PROFILE

DATE	
BY	
REVISED	
DESIGNED	
DRAWN	
CHECKED	
DATE	

V3 Companies 7325 Janes Avenue Woodridge, IL 60517 830.724.9200 phone 830.724.9202 fax www.v3co.com	USER NAME = #USER# PLOT SCALE = #SCALE# PLOT DATE = #DATE#	DESIGNED - JDH DRAWN - DRP CHECKED - VJD DATE - 03/04/13	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>		<b>75TH STREET DRAINAGE AND UTILITY</b> <b>STATION 644 + 00 TO STATION 658 + 00 (NORTH)</b>		F.A.P. RTE. 0369	SECTION 12-00233-07-PV	COUNTY DU PAGE	TOTAL SHEETS 285 SHEET NO. 114	CONTRACT NO. 63851
	SCALE: 1" = 50'		SHEET NO. 5 OF 21 SHEETS		STA. 644+00 TO STA. 658+00		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					



**STORM SEWER STRUCTURE SCHEDULE**

Structure ID	Station	Offset	Structure Type	Diameter [ft]	Frame	Rim	Downstream Invert and Direction	Upstream Invert and Direction	Upstream Invert and Direction	Upstream Invert and Direction
ST1-8	19+02.99	14.0 RT	MH Type A	7	T1F CL	755.80	741.97 S	748.08 W	746.00 E	
ST1-9	655+58.00	97.0 RT	MH Type A	7	T1F CL	755.90	748.47 E	748.47 W	748.10 N	
ST1-10	654+50.00	97.0 RT	MH Type A	7	T1F CL	759.43	749.01 E	750.69 W	749.01 N	
ST1-11	653+45.00	97.0 RT	MH Type A	6	T1F CL	759.26	751.68 E	752.70 N	751.68 W	
ST1-11A*	652+85.00	79.3 RT	MH Type A	6	T1F CL	759.72	752.29 E	752.29 W		
ST1-12	652+75.00	79.0 RT	MH Type A	5	T8 F&G	758.70	752.29 E	752.29 W	757.37 N	
ST1-13	650+55.00	75.0 RT	MH Type A	5	T8 F&G	763.32	752.73 E	752.73 W	758.47 N	
ST1-14	649+80.00	78.0 RT	MH Type A	5	T8 F&G	760.40	752.88 E	752.88 W		
ST1-14A	649+40.00	78.0 RT	MH Type A	6	T1F CL	762.33	752.96 E	752.96 W		
ST1-15	647+75.00	75.0 RT	MH Type A	5	T8 F&G	762.50	753.29 E	753.29 W	761.75 NW	756.50 S
ST1-16	646+25.00	75.0 RT	MH Type A	5	T1F CL	764.77	754.07 E	754.07 W	759.00 N	
ST1-17	645+20.00	80.0 RT	MH Type A	4	T1F CL	764.75	754.70 E	754.70 W	758.52 W	
ST1-40	655+48.10	65.8 RT	Inlet Type A	2	T24 F&G	756.53	753.53 SE			
ST1-41	655+58.56	71.3 RT	CB Type A	4	T24 F&G	756.25	748.50 S	753.00 NW		
ST1-42	654+50.00	74.8 RT	MH Type A	5	T1F CL	758.62	749.12 S	749.12 N		
ST1-43	654+50.00	64.0 RT	CB Type A	5	T24 F&G	758.08	749.17 S	749.17 N		
ST1-44	654+50.00	6.0 LT	CB Type A	5	T11 F&G	759.16	749.53 S	749.53 N		
ST1-62	653+45.00	64.0 RT	CB Type A	4	T24 F&G	759.48	753.00 S			
ST1-63	652+75.12	61.1 RT	CB Type C	2	T24 F&G	760.49	757.50 S			
ST1-64	650+55.00	52.0 RT	CB Type A	4	T24 F&G	763.67	758.79 S	760.74 N		
ST1-65	650+50.11	12.9 RT	Inlet Type A	2	T11 F&G	764.56	761.56 S			
ST1-66	647+50.00	52.0 RT	CB Type C	2	T24 F&G	766.10	763.00 SE			
ST1-67	646+25.00	52.0 RT	CB Type A	4	T24 F&G	766.74	759.55 S			
ST1-84	657+45.00	75.0 RT	MH Type A	6	T1F CL	756.09	746.64 W	751.77 N	746.46 N	
ST1-85	657+52.00	52.0 RT	Inlet Type A	2	DPC SAG F&L	755.07	751.95 S	751.95 E		
ST1-86	657+52.00	6.0 RT	CB Type A	4	T11 F&G	756.03	747.74 S	750.34 N		
ST1-89	657+67.00	52.0 RT	Inlet Type A	2	DPC SAG F&L	755.07	752.07 W			
ST1-90	647+90.36	100.1 RT	CB Type A	4	T11 F&G	764.00	757.00 N	760.58 E		
ST1-91	648+15.36	100.3 RT	Inlet Type A	2	T11 F&G	763.72	760.70 W			
ST1-92	644+88.51	97.8 RT	CB Type A	4	T23 F&G	766.00	758.93 E	762.68 W		
ST1-93	644+59.02	97.8 RT	Inlet Type A	2	T23 F&G	766.00	763.00 E			
ST1-45	654+50.00	52.0 LT	CB Type A	5	T24 F&G	758.38	749.71 S	749.71 W	749.53 E	
ST1-46	652+75.00	52.0 LT	CB Type A	5	T24 F&G	760.72	750.32 E	750.32 SW		
ST1-47	652+75.00	6.0 LT	MH Type A	6	T1F CL	760.87	750.34 NE	750.34 W		
ST1-48	651+74.00	46.0 LT	MH Type A	5	T1F CL	762.23	750.63 E	750.63 W	750.47 N	
ST1-48A	651+74.00	91.4 LT	MH Type A	4	T1F OL	757.68	750.71 S			
ST1-49	650+50.00	46.0 LT	MH Type A	5	T1F CL	763.89	750.99 E	760.38 N	750.99 W	
ST1-49A	648+75.00	46.0 LT	MH Type A	6	T1F CL	765.61	751.49 E	751.49 N		
ST1-50	648+75.00	75.0 LT	MH Type A	5	T1F CL	767.34	751.57 S	751.57 W		
ST1-51	646+75.00	76.0 LT	MH Type A	4	T1F CL	768.71	752.78 E	752.78 W	755.19 SW	
ST1-52	645+15.00	80.0 LT	MH Type A	4	T1F CL	767.81	753.54 E	754.27 W	761.82 NW	
ST1-53	643+95.00	64.0 LT	CB Type A	4	T24 F&G	767.63	754.63 NE			
ST1-74	655+43.93	52.0 LT	CB Type A	4	T24 F&G	757.12	752.50 W	752.50 NE		
ST1-76	650+50.00	52.0 LT	CB Type C	2	T24 F&G	763.74	760.74 S			
ST1-77	648+75.00	52.0 LT	CB Type A	5	T24 F&G	765.46	751.51 S	751.51 N		
ST1-78	646+75.00	52.0 LT	CB Type A	4	T24 F&G	766.49	755.50 NE			
ST1-79	644+94.90	97.0 LT	CB Type A	4	T24 F&G	766.50	762.08 SE	763.15 W		
ST1-80	644+55.83	96.8 LT	Inlet Type A	2	T24 F&G	766.57	763.57 E			
ST1-87	657+51.50	64.0 LT	CB Type A	4	DPC SAG F&L	754.93	751.02 S	751.81 E		
ST1-88	657+66.50	64.0 LT	Inlet Type A	2	DPC SAG F&L	754.93	751.93 W			
ST1-94	20+85.00	41.6 LT	Inlet Type A	2	T23 F&G	755.95	752.95 SW			

\* Restrictor structure, refer to Sheet 130 for Construction Detail.

\* DPC Sag F&L is to be paid at Type 15 Frame and Grate

**STORM SEWER SCHEDULE**

Pipe ID	Upstream Node ID	Downstream Node ID	Pipe Class	Pipe Type	Diameter [in]	Length [ft]	Pipe Slope [%]	Upstream Invert	Downstream Invert	Trench Backfill
P-108	ST1-8	ST1-7	A	Type 3	36	53	0.21	741.97	741.86	111.98
P-109	ST1-9	ST1-8	Ductile Iron Pipe		36	79	0.50	748.47	748.08	65.22
P-110	ST1-10	ST1-9	A	Type 3	36	108	0.50	749.01	748.47	53.37
P-111	ST1-11	ST1-10	A	Type 3	36	105	0.94	751.68	750.69	103.69
P-111A	ST1-11A	ST1-11	A	Type 3	30	63	0.98	752.29	751.68	48.57
P-112	ST1-12	ST1-11A	A	Type 3	30	10	0.05	752.29	752.29	2.60
P-113	ST1-13	ST1-12	A	Type 2	54	221	0.20	752.73	752.29	258.55
P-114	ST1-14	ST1-13	A	Type 2	48	76	0.20	752.88	752.73	93.77
P-114A	ST1-14A	ST1-14	A	Type 3	30	40	0.20	752.96	752.88	36.38
P-115	ST1-15	ST1-14A	A	Type 2	48	166	0.20	753.29	752.96	226.06
P-116	ST1-16	ST1-15	A	Type 3	30	151	0.52	754.07	753.29	230.60
P-117	ST1-17	ST1-16	A	Type 2	27	106	0.60	754.70	754.07	146.91
P-118	ST1-18	ST1-17	A	Type 3	24	146	0.50	755.43	754.70	193.29
P-140	ST1-40	ST1-41	A	Type 3	12	12	4.62	753.53	753.00	0.20
P-141	ST1-41	ST1-9	A	Type 2	15	25	1.66	748.50	748.10	14.75
P-142	ST1-42	ST1-10	A	Type 3	36	23	0.50	749.12	749.01	23.60
P-143	ST1-43	ST1-42	A	Type 3	36	9	0.56	749.17	749.12	3.57
P-144	ST1-44	ST1-43	A	Type 3	30	74	0.49	749.53	749.17	85.25
P-162	ST1-62	ST1-11	A	Type 3	12	31	0.97	753.00	752.70	14.58
P-163	ST1-63	ST1-12	A	Type 3	12	16	0.82	757.50	757.37	-0.77
P-164	ST1-64	ST1-13	A	Type 3	12	21	1.53	758.79	758.47	3.22
P-165	ST1-65	ST1-64	A	Type 3	12	43	1.95	761.56	760.74	0.36
P-166	ST1-66	ST1-15	A	Type 3	12	33	3.84	763.00	761.75	-0.50
P-167	ST1-67	ST1-16	A	Type 3	12	21	2.63	759.55	759.00	8.92
P-184	ST1-84	ST1-8	A	Type 2	15	111	0.58	746.64	746.00	117.82
P-185	ST1-85	ST1-84	A	Type 3	12	24	0.78	751.95	751.77	1.60
P-186	ST1-86	ST1-84	A	Type 2	15	69	1.87	747.74	746.46	63.72
P-189	ST1-89	ST1-85	A	Type 3	12	17	0.74	752.07	751.95	0.23
P-190	ST1-90	ST1-15	A	Type 3	12	29	1.73	757.00	756.50	16.55
P-191	ST1-91	ST1-90	A	Type 3	12	26	0.46	760.70	760.58	0.79
P-192	ST1-92	ST1-17	A	Type 3	12	35	1.17	758.93	758.52	18.12
P-193	ST1-93	ST1-92	A	Type 3	12	32	1.02	763.00	762.68	0.83
P-145	ST1-45	ST1-44	A	Type 3	30	48	0.39	749.71	749.53	51.21
P-146	ST1-46	ST1-45	A	Type 3	30	175	0.35	750.32	749.71	224.37
P-147	ST1-47	ST1-46	A	Type 3	30	9	0.25	750.34	750.32	2.43
P-148	ST1-48	ST1-47	A	Type 3	30	101	0.29	750.63	750.34	78.45
P-148A	ST1-48A	ST1-48	A	Type 3	12	46	0.52	750.71	750.47	41.55
P-149	ST1-49	ST1-48	A	Type 3	30	124	0.29	750.99	750.63	229.31
P-149A	ST1-49A	ST1-49	A	Type 3	30	175	0.29	751.49	750.99	376.39
P-150	ST1-77	ST1-49A	A	Type 3	30	9	0.25	751.51	751.49	6.05
P-151	ST1-51	ST1-50	A	Type 3	24	200	0.60	752.78	751.57	494.26
P-152	ST1-52	ST1-51	A	Type 3	24	160	0.48	753.54	752.78	370.21
P-153	ST1-53	ST1-54	A	Type 3	24	12	0.88	754.63	754.53	12.36
P-154	ST1-54	ST1-52	A	Type 3	24	121	0.22	754.53	754.27	227.76
P-174	ST1-74	ST1-45	A	Type 3	12	94	3.17	752.50	749.53	54.79
P-176	ST1-76	ST1-49	A	Type 3	12	7	5.40	760.74	760.38	0.10
P-177	ST1-50	ST1-77	A	Type 3	24	21	0.29	751.57	751.51	36.08
P-178	ST1-78	ST1-51	A	Type 3	12	22	1.41	755.50	755.19	73.68
P-179	ST1-79	ST1-52	A	Type 3	12	26	1.04	762.08	761.82	7.60
P-180	ST1-80	ST1-79	A	Type 3	12	42	1.00	763.57	763.15	1.18
P-187	ST1-87	ST1-86	A	Type 2	15	71	0.96	751.02	750.34	10.58
P-188	ST1-88	ST1-87	A	Type 3	12	16	0.80	751.93	751.81	0.21
P-194	ST1-94	ST1-74	A	Type 3	12	49	0.93	752.95	752.50	4.33



V3 Companies  
7325 Janes Avenue  
Woodridge, IL 60517  
630.724.9200 phone  
630.724.9202 fax  
www.v3co.com

USER NAME = #USER#	DESIGNED - JDH	REVISED - ---
PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED - ---
PLOT DATE = #DATE#	CHECKED - VJD	REVISED - ---
	DATE - 03/04/13	REVISED - ---

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITY SCHEDULES  
STATION 644+00 TO STATION 658+00**

SCALE: NONE SHEET NO. 6 OF 21 SHEETS





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CONTRACT NO. 63851				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				



NOTES:

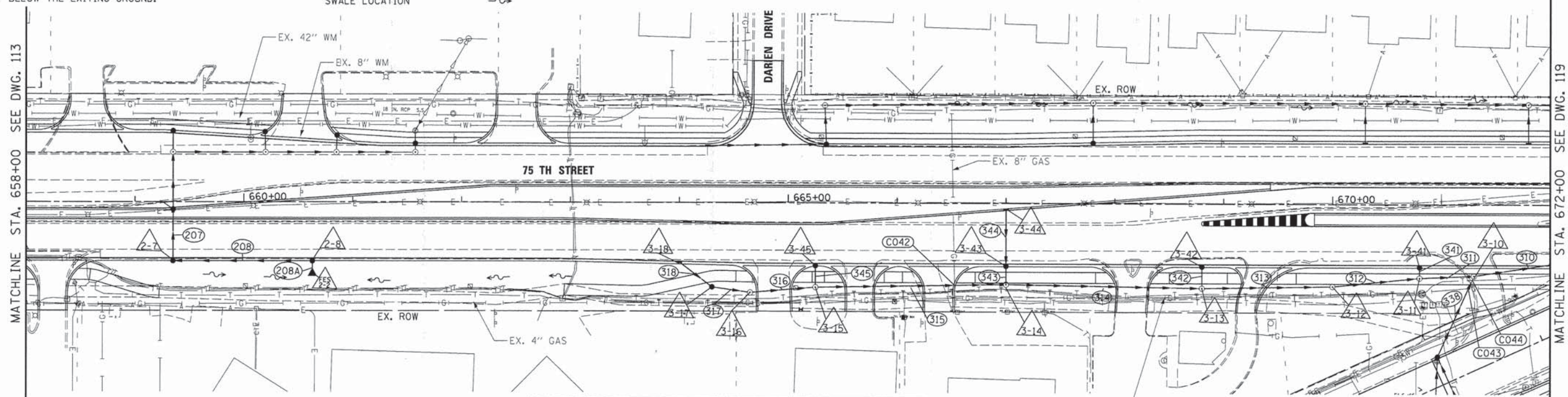
1. USE GASKETED PIPE TO MEET IEPA CROSSING REQUIREMENTS FOR ALL STORM SEWER PIPES.
2. SEE GENERAL NOTES FOR DRAINAGE AND UTILITY RELATED NOTES.
3. CITY OF DARIEN WATERMAIN DEPTH (TOP OF PIPE) ESTIMATED TO BE 5.5' BELOW THE EXITING GROUND.

LEGEND:

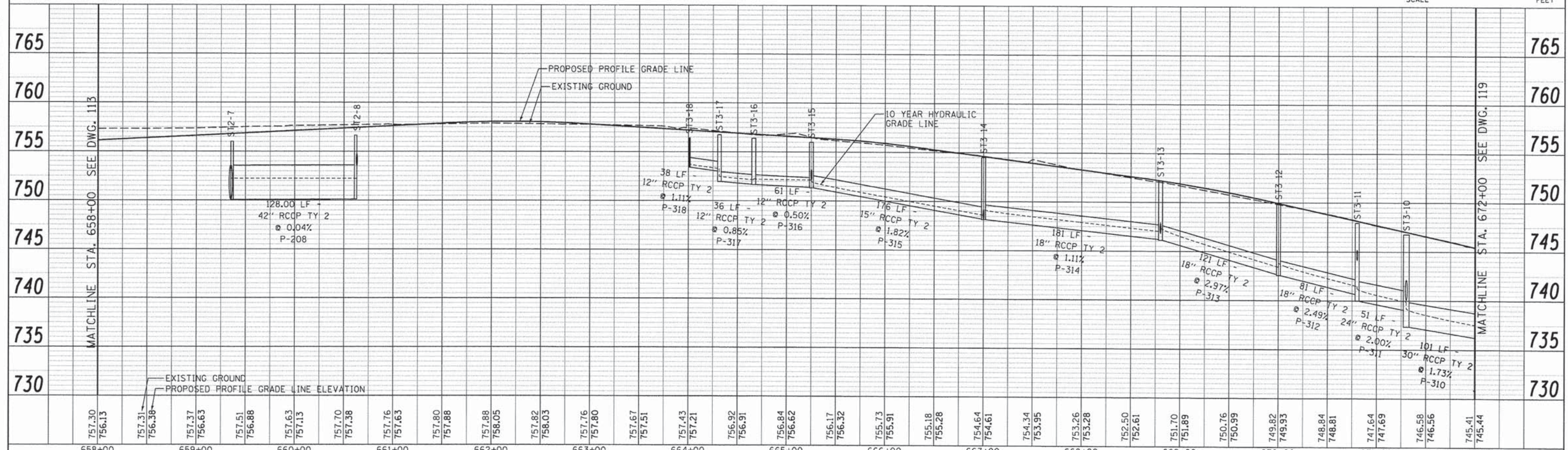
- STORM SEWER STRUCTURE ID 
- STORM SEWER LINE ID 
- CROSSING LOCATION ID 
- SWALE LOCATION 

DATE	
BY	
PROJECTED	
PLANNED	
NOTED	
NO.	

DATE	
BY	
PROJECTED	
PLANNED	
NOTED	
NO.	



Crossing #	Inv	Pipe Dia (in)	T/P	B/P	Utility	Utility Depth (T/P unless noted)	Notes
C042	749.04	15.00	750.48	748.85	NICOR	DEPTH UNKNOWN	8"
C043	740.86	24.00	743.11	740.61	NICOR	DEPTH UNKNOWN	8"
C044	740.66	24.00	742.91	740.41	ATT	DEPTH UNKNOWN	



658+00	659+00	660+00	661+00	662+00	663+00	664+00	665+00	666+00	667+00	668+00	669+00	670+00	671+00	672+00																																										
757.30	756.13	757.31	756.38	757.37	756.63	757.51	756.88	757.63	757.13	757.70	757.38	757.76	757.63	757.80	757.88	758.05	757.82	758.03	757.76	757.80	757.67	757.51	757.43	757.21	756.92	756.91	756.84	756.62	756.17	756.32	755.73	755.91	755.18	755.28	754.64	754.61	754.34	753.95	753.26	753.28	752.50	752.61	751.70	751.89	750.76	750.99	749.82	749.93	748.84	748.81	747.64	747.69	746.58	746.56	745.41	745.44



V3 Companies 7325 Janes Avenue Woodridge, IL 60517 630.724.9200 phone 630.724.9202 fax www.v3co.com	USER NAME = #USER#	DESIGNED - JQH	REVISED -
	PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED -
	PLOT DATE = #DATE#	CHECKED - VJD	REVISED -
		DATE - 03/04/13	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**75TH STREET DRAINAGE AND UTILITY  
STATION 658+00 TO STATION 672+00 (SOUTH)**

F.A.P. RTE. 0369	SECTION 12-00233-07-PV	COUNTY DU PAGE	TOTAL SHEETS 285	SHEET NO. 116
SCALE: 1" = 50'		SHEET NO. 7 OF 21 SHEETS		STA. 658+00 TO STA. 672+00
CONTRACT NO. 63851		ILLINOIS FED. AID PROJECT		



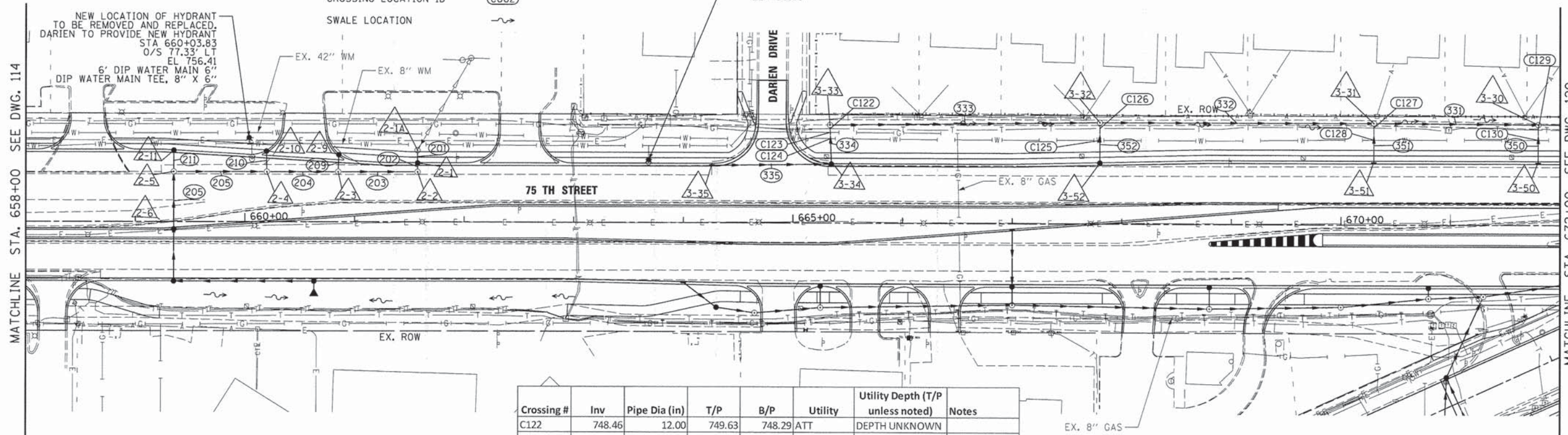
NOTES:

- USE GASKETED PIPE TO MEET IEPA CROSSING REQUIREMENTS FOR ALL STORM SEWER PIPES.
- SEE GENERAL NOTES FOR DRAINAGE AND UTILITY RELATED NOTES.

LEGEND:

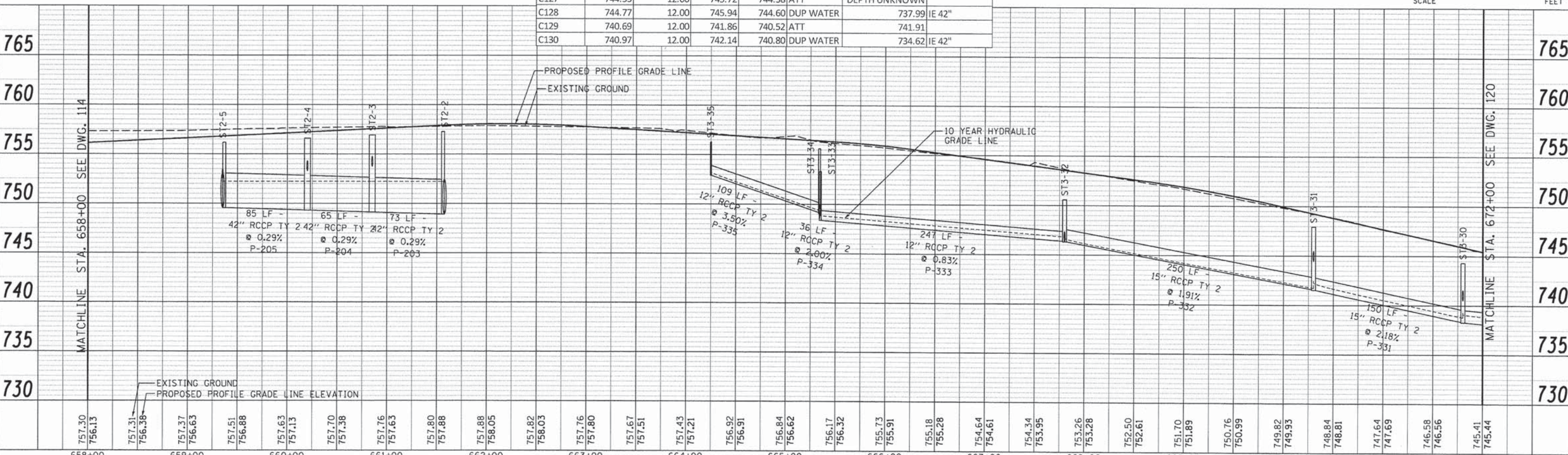
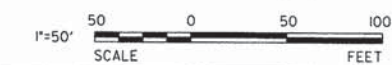
- STORM SEWER STRUCTURE ID
- STORM SEWER LINE ID
- CROSSING LOCATION ID
- SWALE LOCATION

NEW LOCATION OF HYDRANT TO BE REMOVED AND REPLACED. DARIEN TO PROVIDE NEW HYDRANT  
 STA 663+58.28  
 O/S 57.60' LT  
 EL 756.69



Crossing #	Inv	Pipe Dia (in)	T/P	B/P	Utility	Utility Depth (T/P unless noted)	Notes
C122	748.46	12.00	749.63	748.29	ATT	DEPTH UNKNOWN	
C123	748.53	12.00	749.70	748.36	NICOR	DEPTH UNKNOWN 8"	
C124	748.65	12.00	749.82	748.48	DUP WATER	743.32 IE 42"	
C125	747.22	12.00	748.39	747.05	DUP WATER	741.07 IE 42"	
C126	746.64	12.00	747.81	746.47	ATT	DEPTH UNKNOWN	
C127	744.55	12.00	745.72	744.38	ATT	DEPTH UNKNOWN	
C128	744.77	12.00	745.94	744.60	DUP WATER	737.99 IE 42"	
C129	740.69	12.00	741.86	740.52	ATT	741.91	
C130	740.97	12.00	742.14	740.80	DUP WATER	734.62 IE 42"	

\* CITY OF DARIEN WATERMAIN DEPTH (TOP OF PIPE) ESTIMATED TO BE 5.5' BELOW THE EXISTING GROUND.



757.30 756.13	757.31 756.38	757.37 756.63	757.51 756.88	757.63 757.13	757.70 757.38	757.76 757.63	757.80 757.88	757.88 758.05	757.82 758.03	757.76 757.80	757.67 757.51	757.43 757.21	756.92 756.91	756.84 756.62	756.17 756.32	755.73 755.91	755.18 755.28	754.64 754.61	754.34 753.95	753.26 753.28	752.50 752.61	751.70 751.89	750.76 750.99	749.82 749.93	748.84 748.81	747.64 747.69	746.58 746.56	745.41 745.44	
658+00	659+00	660+00	661+00	662+00	663+00	664+00	665+00	666+00	667+00	668+00	669+00	670+00	671+00	672+00															

DATE	
BY	
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DATE	
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PROFILE	
CHECKED	
NO. 1	



USER NAME = #USER#	DESIGNED - JDH	REVISED -
PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED -
PLOT DATE = #DATE#	CHECKED - VJD	REVISED -
	DATE - 03/04/13	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

75TH STREET DRAINAGE AND UTILITY  
 STATION 658+00 TO STATION 672+00 (NORTH)

SCALE: 1" = 50' SHEET NO. 8 OF 21 SHEETS STA. 658+00 TO STA. 672+00

F.A.P. RTE. 0369	SECTION 12-00233-07-PV	COUNTY DU PAGE	TOTAL SHEETS 285	SHEET NO. 117
CONTRACT NO. 63851		ILLINOIS FED. AID PROJECT		



### STORM SEWER STRUCTURE SCHEDULE

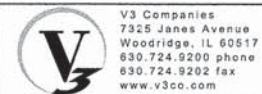
Structure ID	Station	Offset	Structure Type	Diameter [ft]	Frame	Rim	Downstream Invert and Direction		Upstream Invert and Direction		Upstream Invert and Direction	Upstream Invert and Direction
ST2-7	659+35.00	52.0 RT	CB Type A	5	T24 F&G	756.02	750.06	NE	750.06	E		
ST2-8	660+63.00	52.0 RT	CB Type A	5	T24 F&G	756.66	750.11	W	753.50	SW		
ST3-10	671+30.00	66.0 RT	MH Type A	7	T1F CL	746.76	737.40	E	739.02	W	740.11	SW
ST3-11	670+80.00	68.0 RT	MH Type A	4	T1F CL	747.92	740.02	E	740.62	W	744.15	N
ST3-12	670+00.00	76.0 RT	MH Type A	4	T1F CL	749.91	742.62	E	742.62	W		
ST3-13	668+80.00	78.0 RT	MH Type A	4	T1F CL	752.18	746.18	E	746.18	W	746.81	N
ST3-14	667+00.00	75.0 RT	MH Type A	4	T1F CL	754.52	748.18	E	748.18	W	748.18	N
ST3-15	665+25.00	78.0 RT	MH Type A	4	T1F CL	756.00	751.37	E	751.37	W	752.18	N
ST3-16	664+65.00	83.0 RT	MH Type A	4	T1F CL	756.39	751.67	E	751.67	W		
ST3-17	664+30.00	78.0 RT	CB Type A	4	T8 F&G	756.00	751.97	E	753.00	NW		
ST3-18	664+00.00	54.4 RT	Inlet Type A	2	T24 F&G	756.42	753.42	SE				
ST3-41	670+80.00	56.0 RT	CB Type C	2	T24 F&G	747.35	744.26	S				
ST3-42	668+80.00	56.0 RT	CB Type C	2	T24 F&G	751.40	747.13	S				
ST3-43	667+00.00	56.0 RT	CB Type A	4	T24 F&G	753.83	748.38	S	749.50	N		
ST3-44	667+00.12	6.5 RT	Inlet Type A	2	T11 F&G	754.82	751.82	S				
ST3-45	665+25.00	56.0 RT	CB Type C	2	T24 F&G	755.68	752.58	S				
FES2-2	660+63.00	65.0 RT	FES	N/A	N/A	753.61	753.61	NE				
ST2-1A*	661+57.41	65.9 LT	MH Type A	4	T1F CL	757.28	748.86	E	748.86	SW		
ST2-1	661+57.50	52.0 LT	CB Type A	5	T24 F&G	757.12	748.90	NE	748.90	SW		
ST2-2	661+57.50	46.0 LT	MH Type A	6	T1F CL	757.27	748.92	NE	748.92	W		
ST2-3	660+85.00	46.0 LT	MH Type A	6	T1F CL	756.92	749.13	E	749.13	W	753.75	N
ST2-4	660+20.00	46.0 LT	MH Type A	6	T1F CL	756.60	749.32	E	749.32	W	753.30	N
ST2-5	659+35.00	46.0 LT	MH Type A	6	T1F CL	756.17	749.57	E	749.57	SW	752.50	N
ST2-6	659+35.00	5.4 RT	CB Type A	5	T11 F&G	756.81	749.83	NE	749.83	SW		
ST2-9	660+85.00	60.9 LT	CB Type C	2	T11 F&G	756.90	753.88	S				
ST2-10	660+20.04	64.0 LT	CB Type C	2	T11 F&G	756.45	753.43	S				
ST2-11	659+35.00	63.5 LT	CB Type C	2	T24 F&G	755.72	752.70	S				
ST3-30	671+80.00	92.0 LT	MH Type A	4	T1F CL	744.30	738.30	E	738.30	W	740.56	SW
ST3-31	670+30.00	93.0 LT	MH Type A	4	T1F CL	747.93	741.57	E	741.32	W	744.47	SW
ST3-32	667+80.00	93.0 LT	MH Type A	4	T8 F&G	750.57	746.10	E	746.35	W	746.35	SW
ST3-33	665+33.65	90.0 LT	MH Type A	4	T1F CL	753.32	748.39	E	748.39	SW		
ST3-34	665+35.00	52.0 LT	CB Type A	4	T24 F&G	755.62	749.11	NE	749.11	W		
ST3-35	664+26.00	52.0 LT	Inlet Type A	2	T24 F&G	756.28	752.93	E				
ST3-50	671+80.00	56.0 LT	Inlet Type A	2	T24 F&G	745.11	741.62	NE				
ST3-51	670+30.00	56.0 LT	Inlet Type A	2	T24 F&G	748.48	745.19	NE				
ST3-52	667+80.04	53.8 LT	CB Type A	4	T24 F&G	752.76	748.40	NE				

\* Restrictor structure, refer to Sheet 130 for Construction Detail.

\* DPC Sag F&L is to be paid at Type 15 Frame and Grate

### STORM SEWER SCHEDULE

Pipe ID	Upstream Node ID	Downstream Node ID	Pipe Class	Pipe Type	Diameter [in]	Length [ft]	Pipe Slope [%]	Upstream Invert	Downstream Invert	Trench Backfill
P-207	ST2-7	ST2-6	A	Type 2	42	48	0.49	750.06	749.83	26.30
P-208	ST2-8	ST2-7	A	Type 2	42	128	0.04	750.11	750.06	69.78
P-208A	FES2-2	ST2-8	A	Type 2	15	11	1.06	753.61	753.50	-1.14
P-310	ST3-10	ST3-9	A	Type 3	30	102	1.73	737.40	735.65	113.50
P-311	ST3-11	ST3-10	A	Type 3	24	51	2.00	740.02	739.02	39.88
P-312	ST3-12	ST3-11	A	Type 3	18	81	2.49	742.62	740.62	57.26
P-313	ST3-13	ST3-12	A	Type 3	18	121	2.97	746.18	742.62	73.73
P-314	ST3-14	ST3-13	A	Type 3	18	181	1.11	748.18	746.18	97.05
P-315	ST3-15	ST3-14	A	Type 2	15	176	1.82	751.37	748.18	72.38
P-316	ST3-16	ST3-15	A	Type 3	12	61	0.50	751.67	751.37	10.43
P-317	ST3-17	ST3-16	A	Type 3	12	36	0.85	751.97	751.67	4.78
P-318	ST3-18	ST3-17	A	Type 3	12	38	1.11	753.42	753.00	2.88
P-338	ST3-38	ST3-10	A	Type 3	24	82	2.34	742.02	740.11	42.43
P-341	ST3-41	ST3-11	A	Type 3	12	12	1.00	744.26	744.15	0.29
P-342	ST3-42	ST3-13	A	Type 3	12	22	1.50	747.13	746.81	3.05
P-343	ST3-43	ST3-14	A	Type 3	12	17	1.18	748.38	748.18	5.78
P-344	ST3-44	ST3-43	A	Type 3	12	53	4.43	751.82	749.50	4.00
P-345	ST3-45	ST3-15	A	Type 3	12	20	2.00	752.58	752.18	3.55
P-201	ST2-1	ST2-1A	A	Type 3	12	12	0.34	748.90	748.86	5.51
P-202	ST2-2	ST2-1	A	Type 2	42	9	0.25	748.92	748.90	57.86
P-203	ST2-3	ST2-2	A	Type 2	42	73	0.29	749.13	748.92	69.38
P-204	ST2-4	ST2-3	A	Type 2	42	65	0.29	749.32	749.13	53.11
P-205	ST2-5	ST2-4	A	Type 2	42	85	0.29	749.57	749.32	58.96
P-206	ST2-6	ST2-5	A	Type 2	42	53	0.48	749.83	749.57	33.15
P-209	ST2-9	ST2-3	A	Type 3	12	16	0.83	753.88	753.75	0.22
P-210	ST2-10	ST2-4	A	Type 3	12	19	0.68	753.43	753.30	0.38
P-211	ST2-11	ST2-5	A	Type 3	12	20	1.02	752.70	752.50	2.60
P-331	ST3-31	ST3-30	A	Type 2	15	150	2.18	741.57	738.30	78.98
P-332	ST3-32	ST3-31	A	Type 2	15	250	1.91	746.10	741.32	106.60
P-333	ST3-33	ST3-32	A	Type 3	12	247	0.83	748.39	746.35	43.06
P-334	ST3-34	ST3-33	A	Type 3	12	36	2.00	749.11	748.39	14.13
P-335	ST3-35	ST3-34	A	Type 3	12	109	3.50	752.93	749.11	22.63
P-350	ST3-50	ST3-30	A	Type 3	12	36	3.00	741.62	740.56	2.43
P-351	ST3-51	ST3-31	A	Type 3	12	37	1.98	745.19	744.47	1.70
P-352	ST3-52	ST3-32	A	Type 3	12	38	5.52	748.40	746.35	4.77



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Woodridge, IL 60517  
630.724.9200 phone  
630.724.9202 fax  
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USER NAME = \$USER\$  
DESIGNED - JDH  
DRAWN - DRP  
CHECKED - VJD  
DATE - 03/04/13

REVISED - ---  
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITY SCHEDULES  
STATION 658+00 TO STATION 672+00**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PV	DU PAGE	285	118
CONTRACT NO. 63851				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SCALE: NONE SHEET NO. 9 OF 21 SHEETS

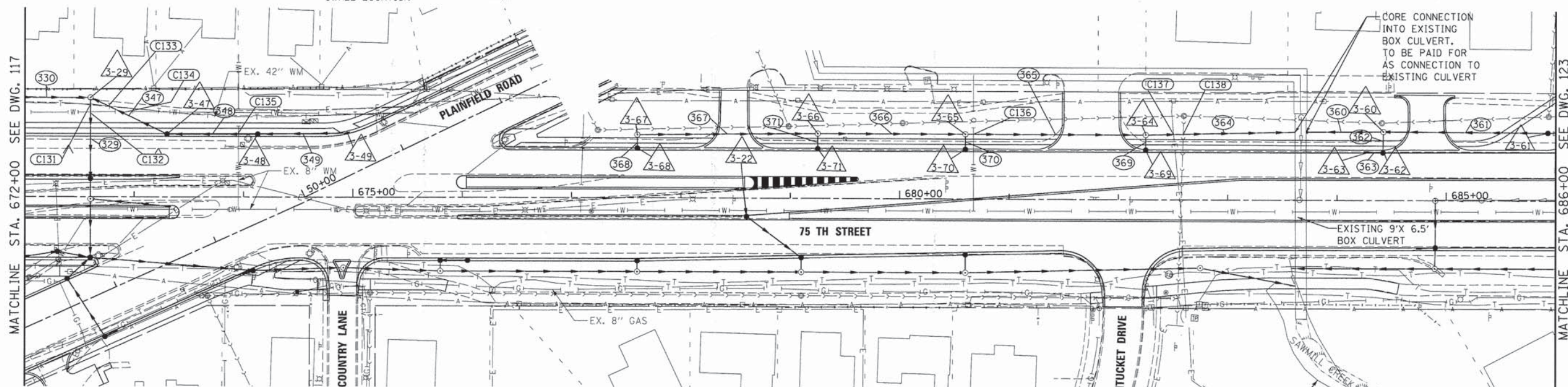




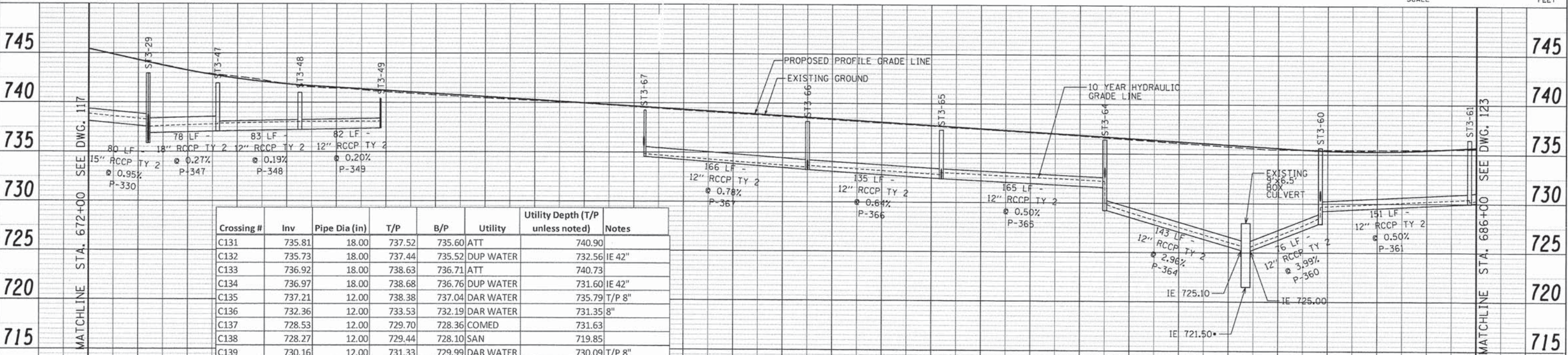


- NOTES:
- USE GASKETED PIPE TO MEET IEPA CROSSING REQUIREMENTS FOR ALL STORM SEWER PIPES.
  - SEE GENERAL NOTES FOR DRAINAGE AND UTILITY RELATED NOTES.

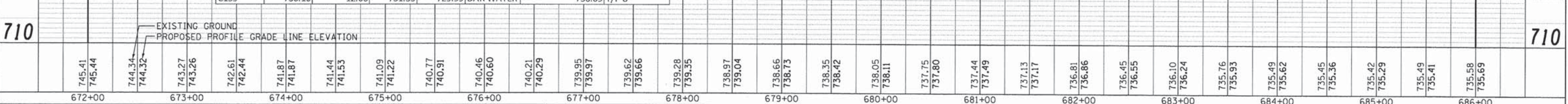
- LEGEND:
- STORM SEWER STRUCTURE ID
  - STORM SEWER LINE ID
  - CROSSING LOCATION ID
  - SWALE LOCATION



EXISTING FLOODPLAIN CONTAINED WITHIN CULVERT  
 10-YEAR FLOOD ELEVATION = 722.0  
 100-YEAR FLOOD ELEVATION = 723.2



Crossing #	Inv	Pipe Dia (in)	T/P	B/P	Utility	Utility Depth (T/P unless noted)	Notes
C131	735.81	18.00	737.52	735.60	ATT	740.90	
C132	735.73	18.00	737.44	735.52	DUP WATER	732.56	IE 42"
C133	736.92	18.00	738.63	736.71	ATT	740.73	
C134	736.97	18.00	738.68	736.76	DUP WATER	731.60	IE 42"
C135	737.21	12.00	738.38	737.04	DAR WATER	735.79	T/P 8"
C136	732.36	12.00	733.53	732.19	DAR WATER	731.35	8"
C137	728.53	12.00	729.70	728.36	COMED	731.63	
C138	728.27	12.00	729.44	728.10	SAN	719.85	
C139	730.16	12.00	731.33	729.99	DAR WATER	730.09	T/P 8"



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### STORM SEWER STRUCTURE SCHEDULE

Structure ID	Station	Offset	Structure Type	Diameter [ft]	Frame	Rim	Downstream Invert and Direction		Upstream Invert and Direction		Upstream Invert and Direction		Upstream Invert and Direction	
ST3-1	682+75.00	63.0 RT	MH Type A	6	T1F CL	736.03	724.00	E	724.00	W				
ST3-2	680+60.00	68.0 RT	MH Type A	6	T8 F&G	736.30	725.92	E	725.92	W	733.06	N		
ST3-3	679+10.00	68.0 RT	MH Type A	6	T1F CL	737.49	727.26	E	727.26	W	733.00	N		
ST3-4	677+60.00	68.1 RT	MH Type A	5	T8 F&G	736.69	728.01	E	728.01	W	735.22	N		
ST3-5	675+80.00	68.0 RT	MH Type A	5	T1F CL	740.08	728.79	E	728.79	W	735.30	N		
ST3-6	674+91.40	65.1 RT	MH Type A	6	T1F CL	741.15	729.36	E	729.36	W				
ST3-7	674+08.09	66.0 RT	CB Type A	5	T24 F&G	741.00	729.77	E	729.77	W	737.95	W		
ST3-8	672+60.00	56.0 RT	CB Type A	5	DPC SAG F&L	743.26	731.22	E	735.13	W	731.22	N	739.19	W
ST3-9	672+30.00	48.0 RT	CB Type A	5	T24 F&G	744.19	735.65	E	735.65	W				
ST3-19	680+60.00	49.3 RT	CB Type C	2	T24 F&G	737.12	733.63	S						
ST3-20	679+09.96	52.6 RT	CB Type A	4	T24 F&G	737.97	733.13	S	733.10	NW				
ST3-21	678+60.00	16.0 RT	CB Type A	4	T11 F&G	739.21	733.52	SE	735.50	N				
ST3-22	678+57.00	8.0 LT	Inlet Type A	2	T11 F&G	739.03	736.01	S						
ST3-23	677+59.95	56.0 RT	CB Type C	2	T24 F&G	738.82	735.33	S						
ST3-24	675+80.00	56.0 RT	CB Type A	4	T24 F&G	738.95	735.45	S	735.45	E				
ST3-24A	676+05.00	56.0 RT	CB Type A	4	T24 F&G	739.79	736.29	W						
ST3-25	674+01.00	69.2 RT	Inlet Type A	2	T23 F&G	741.06	738.05	E						
ST3-27	672+60.00	2.0 RT	MH Type A	5	T1F CL	743.98	731.95	S	734.23	N	738.78	SE		
ST3-28	672+60.00	16.0 LT	CB Type A	5	T11 F&G	744.10	735.17	S	735.17	N				
ST3-46	673+31.09	8.0 RT	Inlet Type A	2	T11 F&G	742.70	739.46	NW						
ST3-54	684+89.50	63.0 RT	MH Type A	4	T8 F&G	731.65	725.67	W	725.64	E	725.64	N		
ST3-57	684+90.00	43.5 RT	CB Type A	4	DPC SAG F&L	734.83	727.14	S	731.56	N	731.16	W		
ST3-58	684+90.00	0.0 LT	MH Type A	4	T1F OL	735.81	732.00	S						
ST3-59	684+75.00	43.6 RT	Inlet Type A	2	DPC SAG F&L	734.82	731.32	E						
ST3-29	672+60.00	92.0 LT	MH Type A	4	T1F OL	742.95	735.87	S	737.54	W	736.87	S		
ST3-47	673+30.00	56.0 LT	CB Type A	4	T24 F&G	741.95	737.08	N	737.08	E				
ST3-48	674+13.00	56.0 LT	CB Type A	4	T24 F&G	741.00	737.24	W	737.24	E				
ST3-49	674+94.87	58.6 LT	Inlet Type A	2	T24 F&G	740.40	737.40	W						
ST3-60	684+42.34	63.8 LT	MH Type A	4	T1F CL	735.63	728.00	W	729.23	E	730.31	SW		
ST3-61	685+92.82	62.9 LT	CB Type A	4	T8 F&G	736.44	729.99	W	729.99	E				
ST3-62	684+42.00	44.3 LT	CB Type A	4	DPC SAG F&L	734.92	730.65	NE	731.36	W				
ST3-63	684+27.00	44.3 LT	Inlet Type A	2	DPC SAG F&L	735.00	731.44	E						
ST3-64	682+25.00	60.0 LT	MH Type A	4	T1F CL	736.41	729.30	E	731.58	W	732.58	SW		
ST3-65	680+60.00	60.0 LT	MH Type A	4	T1F CL	737.34	732.40	E	732.40	W	732.40	SW		
ST3-66	679+25.00	60.0 LT	MH Type A	4	T1F CL	738.16	733.27	E	733.27	W	733.27	SW		
ST3-67	677+60.00	58.5 LT	MH Type A	4	T1F CL	739.25	734.56	E	735.61	S/W				
ST3-68	677+60.00	44.0 LT	CB Type C	2	T24 F&G	739.12	736.09	NE						
ST3-69	682+25.00	43.9 LT	CB Type C	2	T24 F&G	736.23	732.73	NE						
ST3-70	680+60.00	43.9 LT	CB Type C	2	T24 F&G	737.25	733.76	NE						
ST3-71	679+25.00	44.0 LT	CB Type C	2	T24 F&G	738.09	734.60	NE						

\* DPC Sag F&L is to be paid at Type 15 Frame and Grate

### STORM SEWER SCHEDULE

Pipe ID	Upstream Node ID	Downstream Node ID	Pipe Class	Pipe Type	Diameter [in]	Length [ft]	Pipe Slope [%]	Upstream Invert	Downstream Invert	Trench Backfill
P-301	ST3-1	OUT12A	A	Type 3	36	89	0.85	724.00	723.25	161.41
P-302	ST3-2	ST3-1	A	Type 3	36	216	0.89	725.92	724.00	376.56
P-303	ST3-3	ST3-2	A	Type 3	36	150	0.89	727.26	725.92	184.66
P-304	ST3-4	ST3-3	A	Type 3	36	150	0.50	728.01	727.26	197.71
P-305	ST3-5	ST3-4	A	Type 3	36	181	0.43	728.79	728.01	275.19
P-306	ST3-6	ST3-5	A	Type 3	36	89	0.65	729.36	728.79	155.48
P-307	ST3-7	ST3-6	A	Type 3	36	83	0.49	729.77	729.36	143.26
P-308	ST3-8	ST3-7	A	Type 3	36	150	0.97	731.22	729.77	274.82
P-309	ST3-9	ST3-8	A	Type 3	30	31	1.72	735.65	735.13	57.09
P-319	ST3-19	ST3-2	A	Type 3	12	17	3.43	733.63	733.06	-0.79
P-320	ST3-20	ST3-3	A	Type 3	12	14	1.01	733.13	733.00	1.37
P-321	ST3-21	ST3-20	A	Type 3	12	63	0.66	733.52	733.10	22.25
P-322	ST3-22	ST3-21	A	Type 3	12	26	2.00	736.01	735.50	1.12
P-323	ST3-23	ST3-4	A	Type 3	12	12	1.00	735.33	735.22	-0.05
P-324	ST3-24	ST3-5	A	Type 3	12	10	1.51	735.45	735.30	0.59
P-324A	ST3-24A	ST3-24	A	Type 3	12	25	3.36	736.29	735.45	1.31
P-325	ST3-25	ST3-7	A	Type 3	12	9	1.22	738.05	737.95	0.06
P-327	ST3-27	ST3-8	A	Type 3	36	54	1.35	731.95	731.22	112.43
P-328	ST3-28	ST3-27	A	Type 3	36	19	4.98	735.17	734.23	17.47
P-346	ST3-46	ST3-27	A	Type 3	12	72	0.95	739.46	738.78	9.44
P-354	ST3-54	OUT-12B	A	Type 3	18	132	0.51	725.67	725.00	53.97
P-355	ST3-55	ST3-54	A	Type 3	12	211	1.78	729.39	725.64	40.65
P-357	ST3-57	ST3-54	A	Type 3	12	20	7.71	727.14	725.64	9.38
P-358	ST3-58	ST3-57	A	Type 3	12	44	1.00	732.00	731.56	2.69
P-359	ST3-59	ST3-57	A	Type 3	12	17	1.00	731.32	731.16	0.82
P-329	ST3-29	ST3-28	A	Type 3	18	76	0.93	735.87	735.17	61.81
P-330	ST3-30	ST3-29	A	Type 2	15	80	0.95	738.30	737.54	34.75
P-347	ST3-47	ST3-29	A	Type 3	18	78	0.27	737.08	736.87	31.12
P-348	ST3-48	ST3-47	A	Type 3	12	83	0.19	737.24	737.08	11.79
P-349	ST3-49	ST3-48	A	Type 3	12	82	0.20	737.40	737.24	4.12
P-360	ST3-60	OUT-12C	A	Type 3	12	76	3.99	728.00	725.00	67.05
P-361	ST3-61	ST3-60	A	Type 3	12	151	0.50	729.99	729.23	82.89
P-362	ST3-62	ST3-60	A	Type 3	12	20	1.79	730.65	730.31	2.91
P-363	ST3-63	ST3-62	A	Type 3	12	16	0.53	731.44	731.36	4.30
P-364	ST3-64	OUT-12D	A	Type 3	12	143	2.96	729.30	725.10	128.81
P-365	ST3-65	ST3-64	A	Type 3	12	165	0.50	732.40	731.58	33.75
P-366	ST3-66	ST3-65	A	Type 3	12	135	0.64	733.27	732.40	27.83
P-367	ST3-67	ST3-66	A	Type 3	12	166	0.78	734.56	733.27	32.16
P-368	ST3-68	ST3-67	A	Type 3	12	13	3.90	736.09	735.61	0.36
P-369	ST3-69	ST3-64	A	Type 3	12	16	1.00	732.73	732.58	0.75
P-370	ST3-70	ST3-65	A	Type 3	12	14	9.71	733.76	732.40	1.26
P-371	ST3-71	ST3-66	A	Type 3	12	14	9.52	734.60	733.27	1.24



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USER NAME = #USER#  
DESIGNED - JDH  
DRAWN - DRP  
CHECKED - VJD  
DATE - 03/04/13

REVISED - ---  
REVISED - ---  
REVISED - ---  
REVISED - ---

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITY SCHEDULES  
STATION 672+00 TO STATION 686+00**

SCALE: NONE SHEET NO. 12 OF 21 SHEETS





F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PV	DU PAGE	285	121
CONTRACT NO. 63851				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

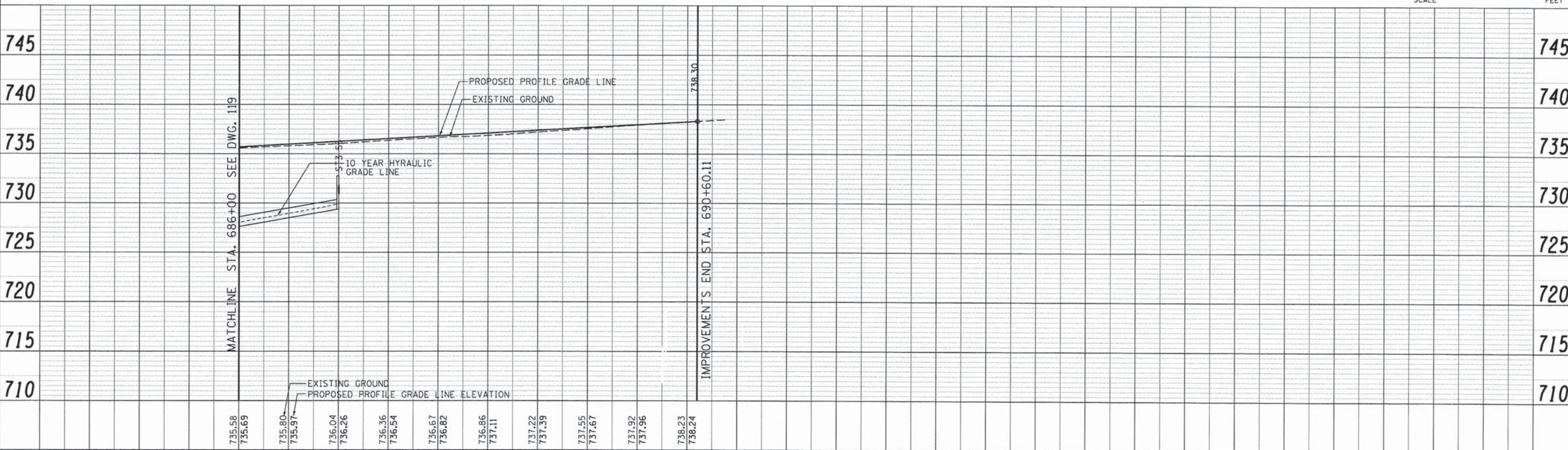
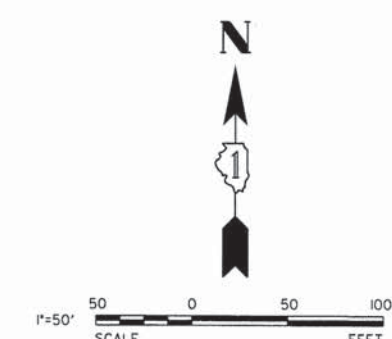
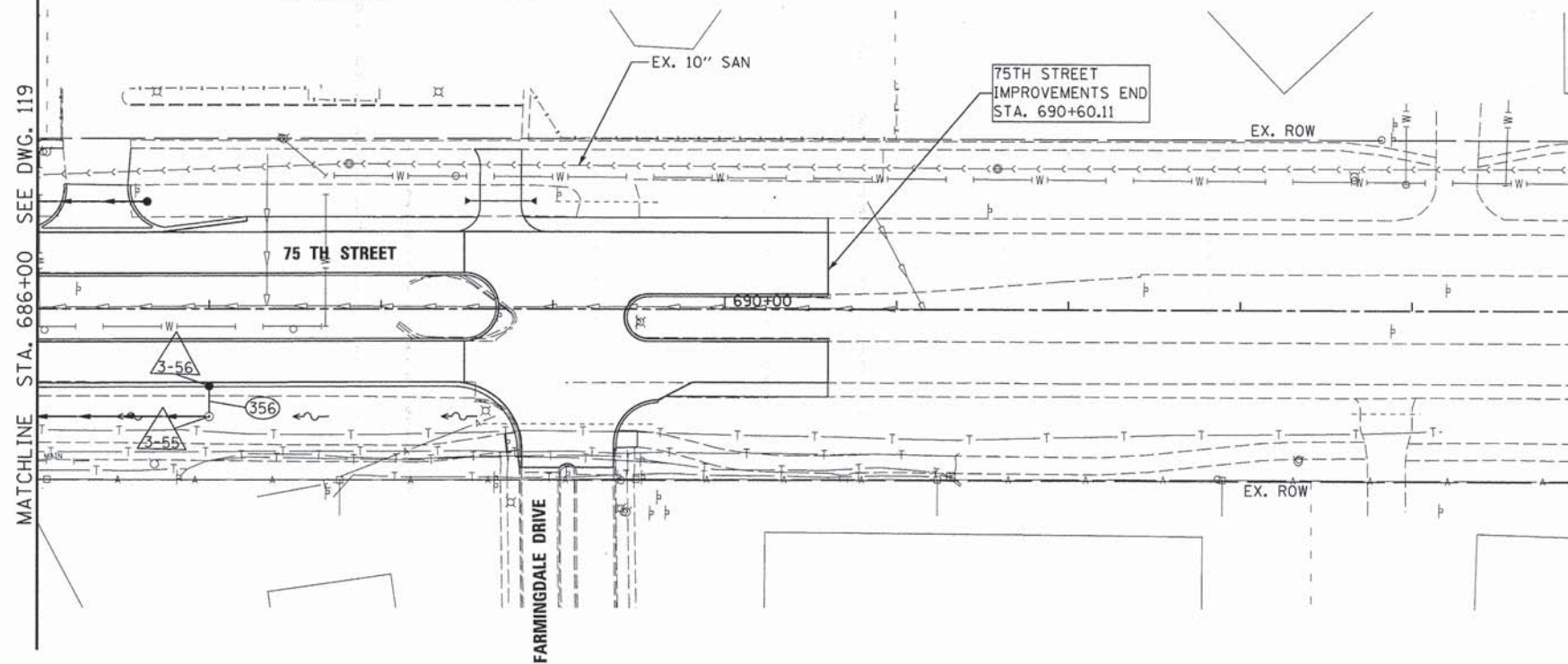


NOTES:

1. USE GASKETED PIPE TO MEET IEPA CROSSING REQUIREMENTS FOR ALL STORM SEWER PIPES.
2. SEE GENERAL NOTES FOR DRAINAGE AND UTILITY RELATED NOTES.

LEGEND:

- STORM SEWER STRUCTURE ID 
- STORM SEWER LINE ID 
- CROSSING LOCATION ID 
- SWALE LOCATION 



DATE	
BY	
REVISIONS	
PLAN	
NOTE BOOK	
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DATE	
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PROFILE	
NOTE BOOK	
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USER NAME = #USER#	DESIGNED - JDH	REVISED -
PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED -
PLOT DATE = #DATE#	CHECKED - VJD	REVISED -
	DATE - 03/04/13	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**75TH STREET DRAINAGE AND UTILITY  
STATION 686+00 TO STATION 695+00 (SOUTH)**

SCALE: 1" = 50'    SHEET NO. 13 OF 21 SHEETS    STA. 686+00 TO STA. 695+00





F.A.P. RTE. 0369	SECTION 12-00233-07-PV	COUNTY DU PAGE	TOTAL SHEETS 285	SHEET NO. 122
CONTRACT NO. 63851				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

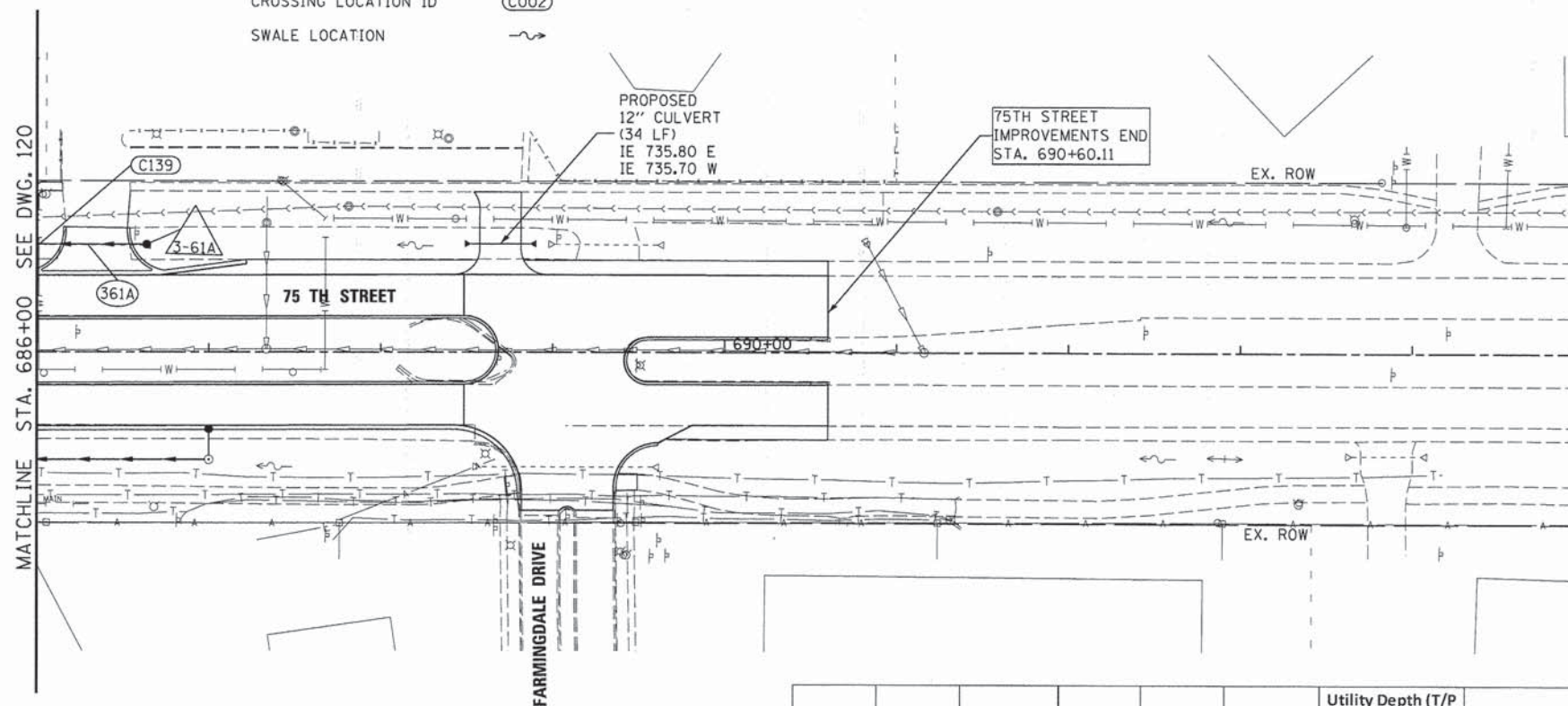


NOTES:

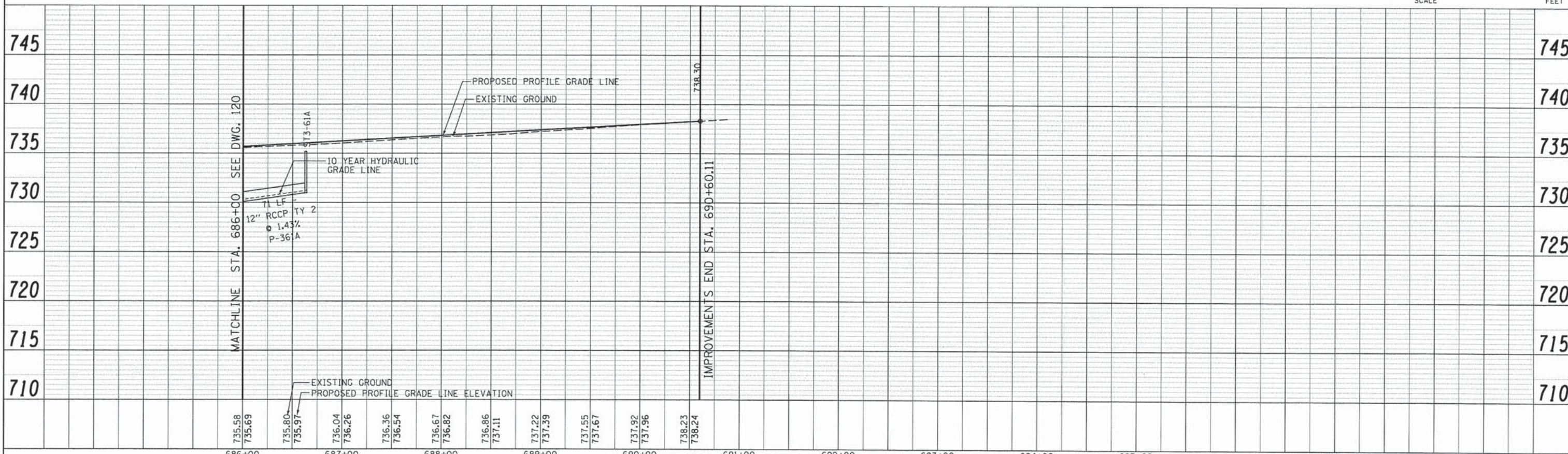
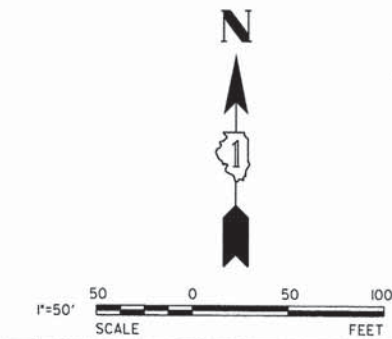
1. USE GASKETED PIPE TO MEET IEPA CROSSING REQUIREMENTS FOR ALL STORM SEWER PIPES.
2. SEE GENERAL NOTES FOR DRAINAGE AND UTILITY RELATED NOTES.

LEGEND:

- STORM SEWER STRUCTURE ID 
- STORM SEWER LINE ID 
- CROSSING LOCATION ID 
- SWALE LOCATION 



Crossing #	Inv	Pipe Dia (in)	T/P	B/P	Utility	Utility Depth (T/P unless noted)	Notes
C139	730.16	12.00	731.33	729.99	DAR WATER	730.09	T/P 8"



PLAN	DATE
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REVISIONS	
NO.	
NO.	
NO.	
NO.	
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PROFILE	DATE
BY	
REVISIONS	
NO.	
NO.	
NO.	
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NO.	



### STORM SEWER STRUCTURE SCHEDULE

Structure ID	Station	Offset	Structure Type	Diameter [ft]	Frame	Rim	Downstream Invert and Direction	Upstream Invert and Direction	Upstream Invert and Direction	Upstream Invert and Direction
ST3-55	687+00.00	63.0 RT	MH Type A	4	T1F OL	732.77	729.39 W	730.89 N		
ST3-56	687+00.00	43.0 RT	CB Type C	2	T24 F&G	735.78	731.78 S			
ST3-61A	686+63.81	62.8 LT	CB Type A	4	T8 F&G	734.50	731.00 W			

\* DPC Sag F&L is to be paid at Type 15 Frame and Grate

### STORM SEWER SCHEDULE

Pipe ID	Upstream Node ID	Downstream Node ID	Pipe Class	Pipe Type	Diameter [in]	Length [ft]	Pipe Slope [%]	Upstream Invert	Downstream Invert	Trench Backfill
P-356	ST3-56	ST3-55	A	Type 3	12	18	5.00	731.78	730.89	0.09
P-361A	ST3-61A	ST3-61	A	Type 3	12	71	1.43	731.00	729.99	14.54



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USER NAME = #USER#	DESIGNED - JDH	REVISED - ---
	DRAWN - DRP	REVISED - ---
PLOT SCALE = #SCALE#	CHECKED - VJD	REVISED - ---
PLOT DATE = #DATE#	DATE - 03/04/13	REVISED - ---

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITY SCHEDULES  
STATION 686+00 TO STATION 695+00**

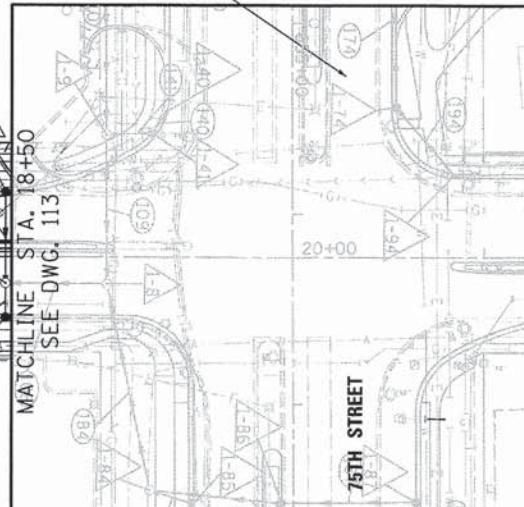
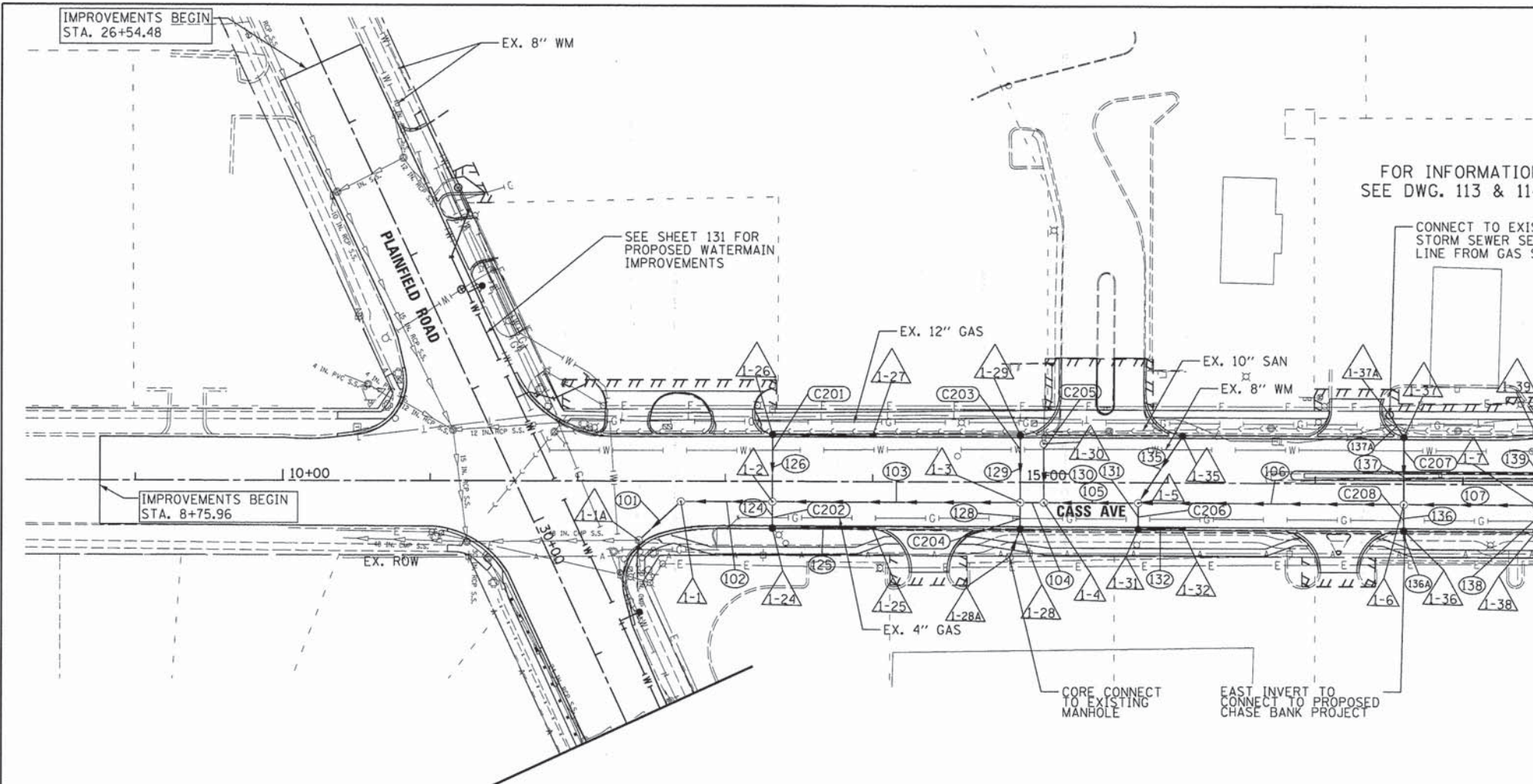
SCALE: NONE SHEET NO. 15 OF 21 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PV	DU PAGE	285	124
CONTRACT NO. 63851				
FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT				



DATE	
BY	
PLAN	SURVEYED
	PLOTTED
	ALIGNMENT CHECKED
	AS-BUILT FILED
	NO. _____
	NO. _____

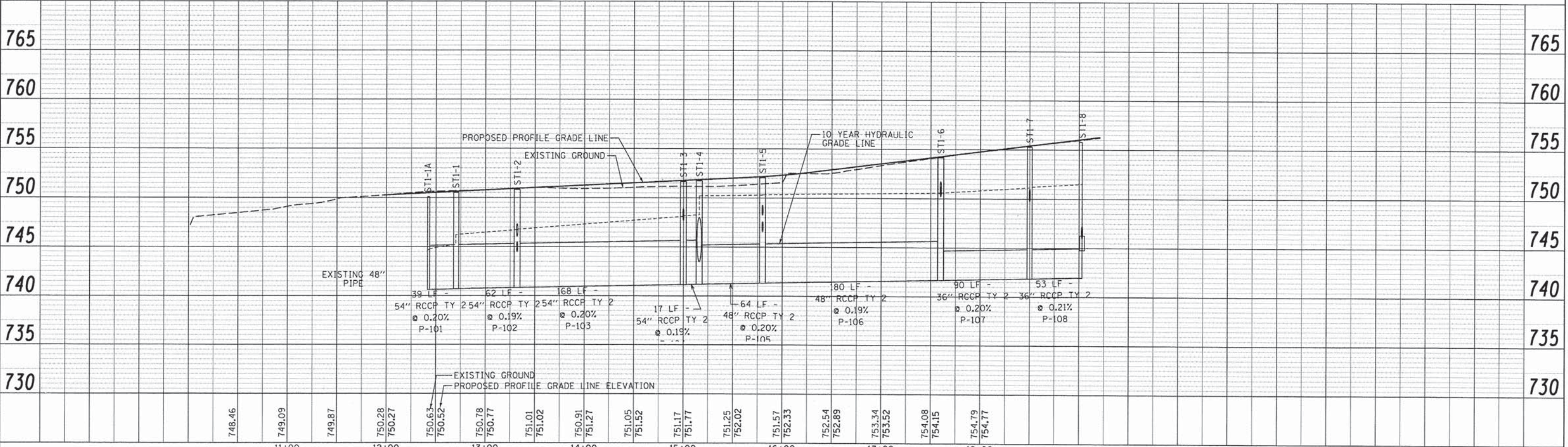
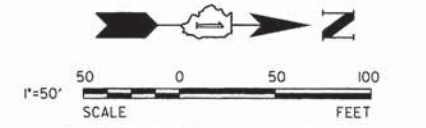
DATE	
BY	
PROFILE	SURVEYED
	PLOTTED
	GRADES CHECKED
	STRUCTURE NOTATIONS OK'D
	NO. _____
	NO. _____



Crossing #	Inv	Pipe Dia (in)	T/P	B/P	Utility	Utility Depth (T/P unless noted)	Notes
C201	744.77	12.00	745.94	744.60	DUP WATER	739.80	IE 16"
C202	746.24	12.00	747.41	746.07	NICOR	DEPTH UNKNOWN	4"
C203	748.07	12.00	749.24	747.90	DUP WATER	740.30	IE 16"
C204	747.98	12.00	749.15	747.81	NICOR	DEPTH UNKNOWN	4"
C205	744.44	48.00	748.86	744.02	DUP WATER	740.70	IE 16"
C206	746.72	12.00	747.89	746.55	NICOR	DEPTH UNKNOWN	4"
C207	750.58	12.00	751.75	750.41	DUP WATER	746.10	IE 16"
C208	750.60	12.00	751.77	750.43	NICOR	DEPTH UNKNOWN	4"

- NOTES:
- USE GASKETED PIPE TO MEET IEPA CROSSING REQUIREMENTS FOR ALL STORM SEWER PIPES.
  - SEE GENERAL NOTES FOR DRAINAGE AND UTILITY RELATED NOTES.

- LEGEND:
- STORM SEWER STRUCTURE ID
  - STORM SEWER LINE ID
  - CROSSING LOCATION ID
  - SWALE LOCATION



V3 Companies 7325 Janes Avenue Woodridge, IL 60517 630.724.9200 phone 630.724.9202 fax www.v3co.com	USER NAME = #USER# PLOT SCALE = #SCALE# PLOT DATE = #DATE#	DESIGNED - JDH DRAWN - DRP CHECKED - VJD DATE - 03/04/13	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>				<b>CASS AVENUE DRAINAGE AND UTILITY STATION 12+00 TO STATION 21+25</b>				F.A.P. RTE. 0369 SECTION 12-00233-07-PV COUNTY DU PAGE TOTAL SHEETS 285 SHEET NO. 125 CONTRACT NO. 63851
	SCALE: 1" = 50'    SHEET NO. 16 OF 21 SHEETS    STA. 12+00 TO STA. 21+25    FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT											



### STORM SEWER STRUCTURE SCHEDULE

Structure ID	Station	Offset	Structure Type	Diameter [ft]	Frame	Rim	Downstream Invert and Direction	Upstream Invert and Direction	Upstream Invert and Direction	Upstream Invert and Direction
ST1-1A	12+41.52	40.5 RT	MH Type A	6	T8 F&G	749.82	740.62 S	740.62 NW		
ST1-1	12+70.00	14.0 RT	MH Type A	7	T1F CL	750.51	740.70 SE	740.71 N		
ST1-2	13+32.00	14.0 RT	MH Type A	7	T1F CL	750.82	740.83 S	740.83 N	746.08 E	744.49 W
ST1-3	15+00.00	14.0 RT	MH Type A	7	T1F CL	751.66	741.17 S	741.17 N	747.90 E	747.71 W
ST1-4	15+16.05	14.0 RT	MH Type A	7	T1F CL	751.74	741.20 S	741.20 N	743.50 W	
ST1-5	15+80.00	14.0 RT	MH Type A	6	T1F CL	752.09	741.33 S	741.33 N	746.58 E	748.27 NW
ST1-6	17+60.00	14.0 RT	MH Type A	6	T1F CL	754.16	741.68 S	741.68 N	750.49 E	748.87 W
ST1-7	18+50.00	14.0 RT	MH Type A	5	T1F CL	755.29	741.86 S	741.86 N	749.77 E	750.00 W
ST1-24	13+32.00	30.5 RT	CB Type A	4	T23 F&G	750.49	746.35 W	746.30 N		
ST1-25	14+00.00	30.5 RT	Inlet Type A	2	T23 F&G	750.83	747.66 S			
ST1-26	13+32.00	30.5 LT	CB Type A	4	T23 F&G	750.49	744.86 E	746.30 N		
ST1-27	14+00.00	30.5 LT	Inlet Type A	2	T23 F&G	750.83	747.66 S			
ST1-28	15+00.00	30.5 RT	CB Type C	2	T23 F&G	751.33	748.16 W	748.59 E		
ST 1-28A	14+93.00	51.3 RT	MH Type A	4	T1F CL	752.00	748.80 W	748.80± ME E		
ST1-29	15+00.00	30.5 LT	CB Type C	2	T23 F&G	751.33	748.16 E			
ST1-30	15+15.79	26.3 LT	MH Type A	5	T1F CL	751.49	743.90 E			
ST1-31	15+80.00	30.5 RT	CB Type A	4	T23 F&G	751.76	746.85 W	746.85 N		
ST1-32	16+10.00	30.5 RT	Inlet Type A	2	T23 F&G	752.00	748.81 S			
ST1-35	16+10.00	30.5 LT	CB Type C	2	T23 F&G	752.00	748.81 SE			
ST1-36	17+60.00	30.5 RT	CB Type C	2	T23 F&G	753.83	750.66 W	749.64± ME E		
ST1-37	17+60.00	30.5 LT	CB Type C	2	T23 F&G	753.83	749.32 E			
ST 1-37A	17+55.00	47.3 LT	MH Type A	4	T1F CL	754.50	749.50 NE	749.60± ME W		
ST1-38	18+50.00	30.5 RT	CB Type C	2	T23 F&G	753.77	750.77 W			
ST1-39	18+50.25	32.0 LT	CB Type C	2	T24 F&G	753.90	750.90 E			

\* DPC Sag F&L is to be paid at Type 15 Frame and Grate

### STORM SEWER SCHEDULE

Pipe ID	Upstream Node ID	Downstream Node ID	Pipe Class	Pipe Type	Diameter [in]	Length [ft]	Pipe Slope [%]	Upstream Invert	Downstream Invert	Trench Backfill
P-101	ST1-1	ST1-1A	A	Type 2	54	39	0.20	740.70	740.62	49.84
P-102	ST1-2	ST1-1	A	Type 2	54	62	0.19	740.83	740.71	90.35
P-103	ST1-3	ST1-2	A	Type 2	54	168	0.20	741.17	740.83	281.81
P-104	ST1-4	ST1-3	A	Type 2	54	17	0.19	741.20	741.17	16.62
P-105	ST1-5	ST1-4	A	Type 2	48	64	0.20	741.33	741.20	103.68
P-106	ST1-6	ST1-5	A	Type 2	48	180	0.19	741.68	741.33	363.64
P-107	ST1-7	ST1-6	A	Type 3	36	90	0.20	741.86	741.68	187.20
P-124	ST1-24	ST1-2	A	Type 2	15	18	1.50	746.35	746.08	1.99
P-125	ST1-25	ST1-24	A	Type 3	12	68	2.00	747.66	746.30	5.41
P-126	ST1-26	ST1-2	A	Type 3	12	46	0.81	744.86	744.49	19.91
P-127	ST1-27	ST1-26	A	Type 3	12	68	2.00	747.66	746.30	5.41
P-128	ST1-28	ST1-3	A	Type 3	12	18	1.43	748.16	747.90	2.77
P-128A	EX MH	ST1-28	A	Type 2	12	21	1.00	748.80	748.59	2.00
P-129	ST1-29	ST1-3	A	Type 3	12	46	0.98	748.16	747.71	2.87
P-130	ST1-30	ST1-4	A	Type 2	54	41	1.00	743.90	743.50	34.70
P-131	ST1-31	ST1-5	A	Type 3	12	18	1.48	746.85	746.58	4.48
P-132	ST1-32	ST1-31	A	Type 3	12	31	6.54	748.81	746.85	3.21
P-135	ST1-35	ST1-5	A	Type 3	12	55	1.00	748.81	748.27	3.23
P-136	ST1-36	ST1-6	A	Type 2	15	18	0.94	750.66	750.49	0.58
P-136A	EX MH	ST1-36	A	Type 3	12	5	1.00	749.64	749.69± M.E.	0.50
P-137	ST1-37	ST1-6	A	Type 3	12	45	1.00	749.32	748.87	8.49
P-137A	ST1-37A	ST1-37	A	Type 3	12	18	1.00	749.50	749.32	1.80
P-138	ST1-38	ST1-7	A	Type 3	12	18	5.57	750.77	749.77	1.81
P-139	ST1-39	ST1-7	A	Type 3	12	49	1.87	750.90	750.00	6.10



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PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED - ---
PLOT DATE = #DATE#	CHECKED - VJD	REVISED - ---
	DATE - 03/04/13	REVISED - ---

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CASS AVENUE DRAINAGE AND UTILITY SCHEDULES  
STATION 12+00 TO STATION 21+25**

SCALE: NONE SHEET NO. 17 OF 21 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PV	DU PAGE	285	126
CONTRACT NO. 63851				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



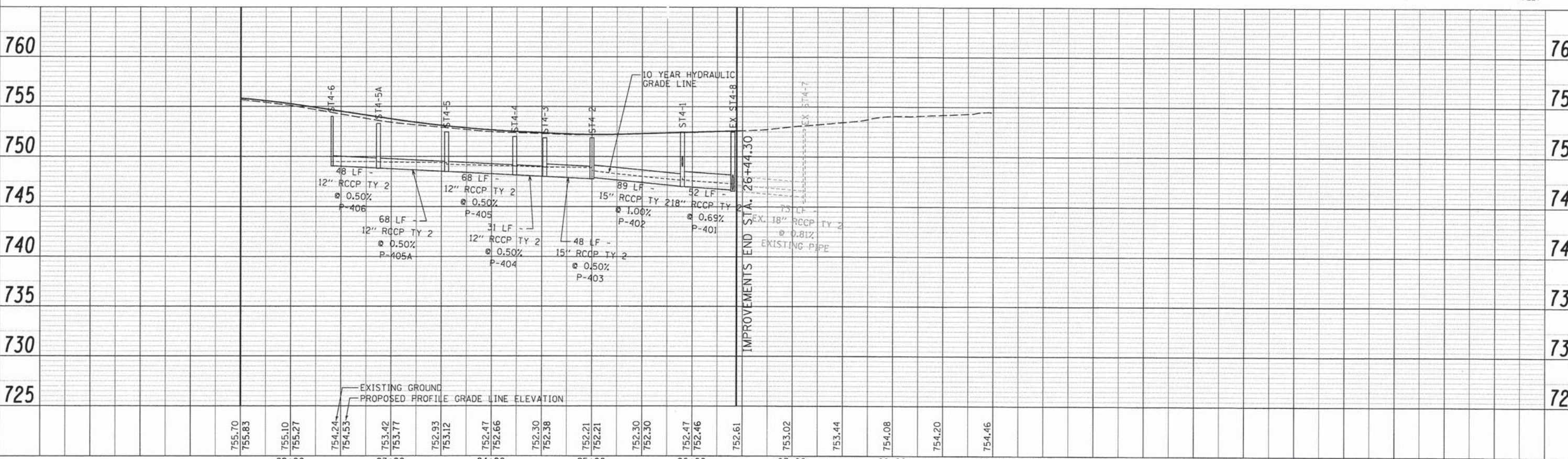
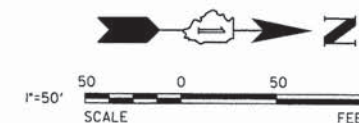
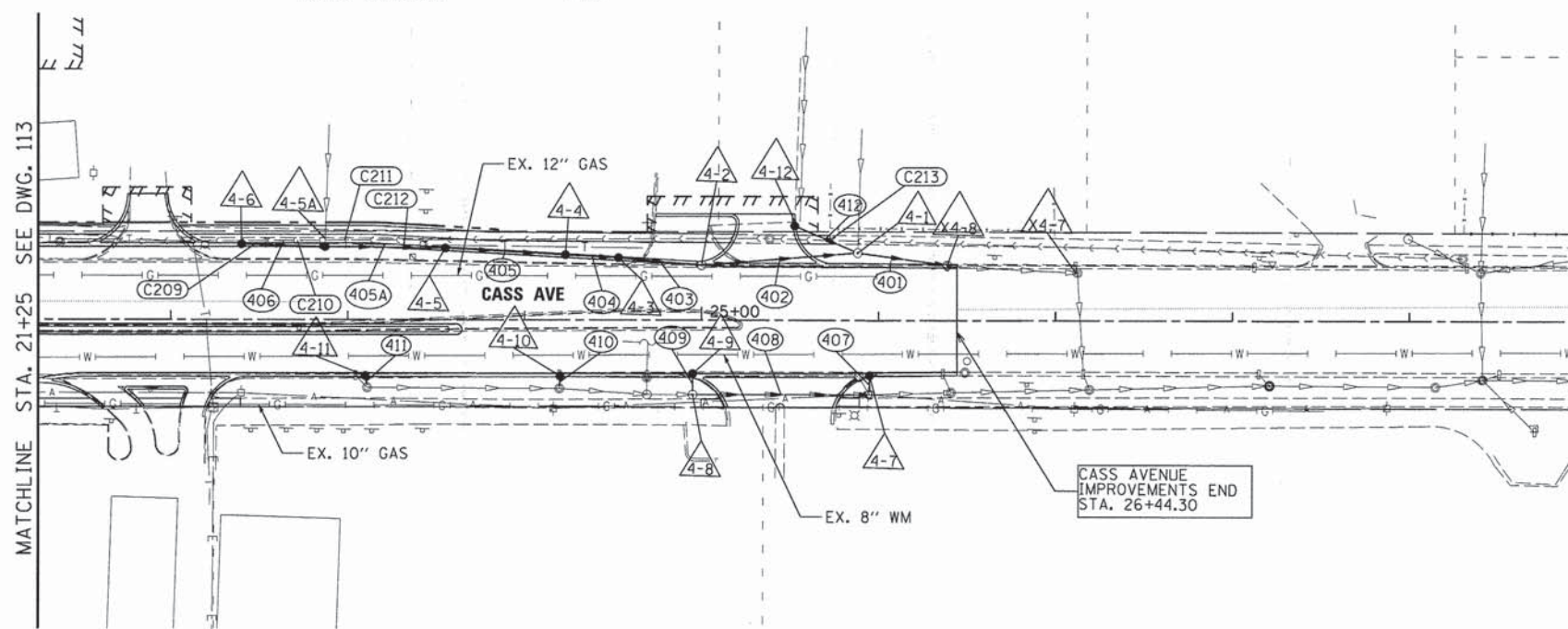
NOTES:

1. USE GASKETED PIPE TO MEET IEPA CROSSING REQUIREMENTS FOR ALL STORM SEWER PIPES.
2. SEE GENERAL NOTES FOR DRAINAGE AND UTILITY RELATED NOTES.

LEGEND:

- STORM SEWER STRUCTURE ID
- STORM SEWER LINE ID
- CROSSING LOCATION ID
- SWALE LOCATION

Crossing #	Inv	Pipe Dia (in)	T/P	B/P	Utility	Utility Depth (T/P unless noted)	Notes
C209	749.03	12.00	750.20	748.86	ATT	DEPTH UNKNOWN	
C210	748.92	12.00	750.09	748.75	SAN	746.17	
C211	748.79	12.00	749.96	748.62	SAN	746.25	
C212	748.62	12.00	749.79	748.45	ATT	DEPTH UNKNOWN	
C213	749.08	12.00	750.25	748.91	SAN	747.07	



DATE	
BY	
PLAN	
SUBMITTED	
PLOTTED	
ALIGNMENT CHECKED	
NOTE BOOK CHECKED	
CADD FILE NAME	
NO.	

DATE	
BY	
PROFILE	
SUBMITTED	
PLOTTED	
GRADES CHECKED	
STRUCTURE NOTATIONS OK'D	
NOTE BOOK	
NO.	



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USER NAME = #USER#  
DESIGNED - JDH  
DRAWN - DRP  
CHECKED - VJD  
DATE - 03/04/13

REVISED -  
REVISED -  
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REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

CASS AVENUE DRAINAGE AND UTILITY  
STATION 21+25 TO STATION 30+00  
SCALE: 1" = 50'  
SHEET NO. 18 OF 21 SHEETS  
STA. 22+00 TO STA. 30+00

F.A.P. RTE. 0369	SECTION 12-00233-07-PV	COUNTY DU PAGE	TOTAL SHEETS 285	SHEET NO. 127
CONTRACT NO. 63851				

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT



### STORM SEWER STRUCTURE SCHEDULE

Structure ID	Station	Offset	Structure Type	Diameter [ft]	Frame	Rim	Downstream Invert and Direction		Upstream Invert and Direction		Upstream Invert and Direction	
ST4-1A	28+20.85	65.0 RT	MH Type A	5	T1F CL	M/E	743.71	N	743.72	S		
ST4-1	25+88.16	38.4 LT	MH Type A	4	T1F CL	752.47	747.02	NE	747.02	SW	749.02	SW
ST4-2	24+99.99	31.3 LT	MH Type A	4	DPC SAG F&L	751.87	747.90	NE	747.77	SW		
ST4-3	24+52.89	33.9 LT	CB Type A	4	T23 F&G	751.87	748.01	NE	748.01	SW		
ST4-4	24+22.89	35.5 LT	CB Type A	4	T23 F&G	751.99	748.16	NE				
ST4-5	23+55.00	39.3 LT	CB Type A	4	T23 F&G	752.46						
ST4-5A	22+87.15	41.5 LT	CB Type A	4	T1F CL	753.31						
ST4-6	22+40.00	41.5 LT	CB Type A	4	T23 F&G	754.02						
ST4-7	25+94.97	30.0 RT	CB Type A	4	T23 F&G	751.98	745.12	E				
ST4-8	24+95.00	42.5 RT	MH Type A	4	T1F CL	752.30	747.21	NE				
ST4-9	24+95.00	30.5 RT	CB Type A	4	DPC SAG F&L	751.89						
ST4-10	24+20.00	30.5 RT	CB Type C	2	T23 F&G	752.11	748.05	E				
ST4-11	23+10.00	30.5 RT	CB Type C	2	T23 F&G	753.20	749.85	E				
ST4-12	25+51.61	53.6 LT	CB Type A	5	T11 F&G	752.39	749.16	NE				

\* DPC Sag F&L is to be paid at Type 15 Frame and Grate

### STORM SEWER SCHEDULE

Pipe ID	Upstream Node ID	Downstream Node ID	Pipe Class	Pipe Type	Diameter [in]	Length [ft]	Pipe Slope [%]	Upstream Invert	Downstream Invert	Trench Backfill
P-401	ST4-1	EX ST4-8	A	Type 3	18	52	0.69	747.02	746.67	27.68
P-402	ST4-2	ST4-1	A	Type 2	15	89	1.00	747.90	747.02	16.52
P-403	ST4-3	ST4-2	A	Type 2	15	48	0.50	748.01	747.77	4.79
P-404	ST4-4	ST4-3	A	Type 3	12	31	0.50	748.16	748.01	2.55
P-405	ST4-5	ST4-4	A	Type 3	12	68	0.50	748.50	748.16	6.74
P-405A	ST4-5A	ST4-5	A	Type 3	12	68	0.50	748.84	748.50	8.85
P-406	ST4-6	ST4-5A	A	Type 3	12	48	0.50	749.08	748.84	8.10
P-407	ST4-7	EX ST4-3	A	Type 3	12	11	0.55	745.12	745.06	3.94
P-408	ST4-8	EX ST4-3	A	Type 3	12	100	2.15	747.21	745.06	50.54
P-409	ST4-9	ST4-8	A	Type 3	12	12	0.50	747.82	747.76	1.05
P-409	ST4-9	ST4-8	A	Type 3	12	12	0.50	747.82	747.76	1.05
P-410	ST4-10	EX ST4-5	A	Type 3	12	8	0.83	748.05	747.99	8.37
P-411	ST4-11	EX ST4-6	A	Type 3	12	7	1.02	749.85	749.78	0.10
P-412	ST4-12	ST4-1	A	Type 3	12	39	0.36	749.16	749.02	0.00



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USER NAME = #USERS#	DESIGNED - JDH	REVISED - ---
	DRAWN - DRP	REVISED - ---
PLOT SCALE = #SCALE#	CHECKED - VJD	REVISED - ---
PLOT DATE = #DATE#	DATE - 03/04/13	REVISED - ---

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CASS AVENUE DRAINAGE AND UTILITY SCHEDULES  
STATION 21+25 TO STATION 30+00**

SCALE: NONE SHEET NO. 19 OF 21 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PV		285	128
DU PAGE			CONTRACT NO. 63851	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



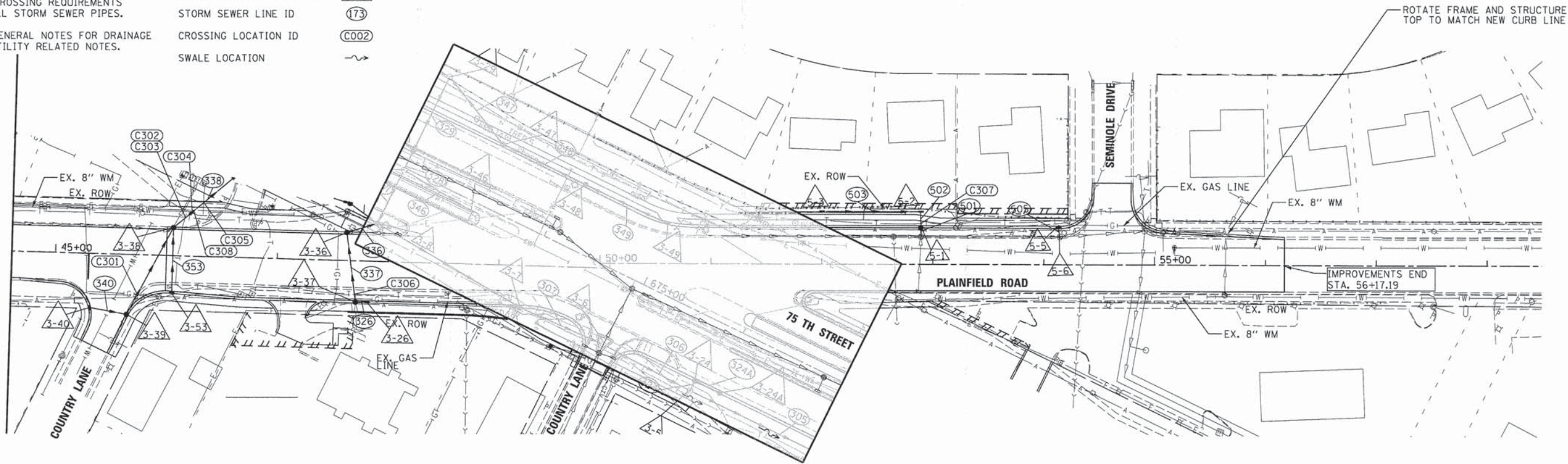
NOTES:

- 1. USE GASKETED PIPE TO MEET IEPA CROSSING REQUIREMENTS FOR ALL STORM SEWER PIPES.
- 2. SEE GENERAL NOTES FOR DRAINAGE AND UTILITY RELATED NOTES.

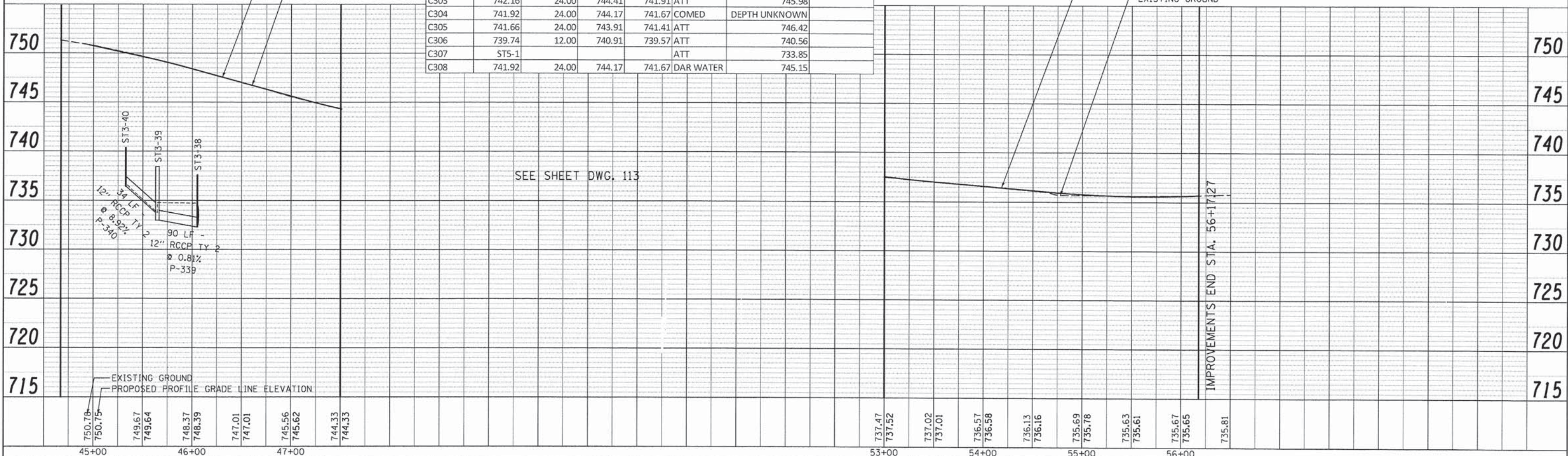
LEGEND:

- STORM SEWER STRUCTURE ID 1-73
- STORM SEWER LINE ID 173
- CROSSING LOCATION ID C002
- SWALE LOCATION

DATE	
BY	
PLAN	
NO.	
DATE	
BY	
PROFILE	
NO.	



Crossing #	Inv	Pipe Dia (in)	T/P	B/P	Utility	Utility Depth (T/P unless noted)	Notes
C301	742.83	12.00	744.00	742.66	NICOR	DEPTH UNKNOWN	4"
C302	742.16	24.00	744.41	741.91	ATT		746.39
C303	742.16	24.00	744.41	741.91	ATT		745.98
C304	741.92	24.00	744.17	741.67	COMED	DEPTH UNKNOWN	
C305	741.66	24.00	743.91	741.41	ATT		746.42
C306	739.74	12.00	740.91	739.57	ATT		740.56
C307	ST5-1				ATT		733.85
C308	741.92	24.00	744.17	741.67	DAR WATER		745.15



DATE	
BY	
PROFILE	
NO.	

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USER NAME = #USER#	DESIGNED - JDH	REVISED -
PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED -
PLOT DATE = #DATE#	CHECKED - VJD	REVISED -
	DATE - 03/04/13	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PLAINFIELD ROAD DRAINAGE AND UTILITY  
 STATION 52+00 TO STATION 60+00**

SCALE: 1" = 50' SHEET NO. 20 OF 21 SHEETS STA. 52+00 TO STA. 60+00

F.A.P. RTE. 0369	SECTION 12-00233-07-PV	COUNTY DU PAGE	TOTAL SHEETS 285	SHEET NO. 129
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 63851



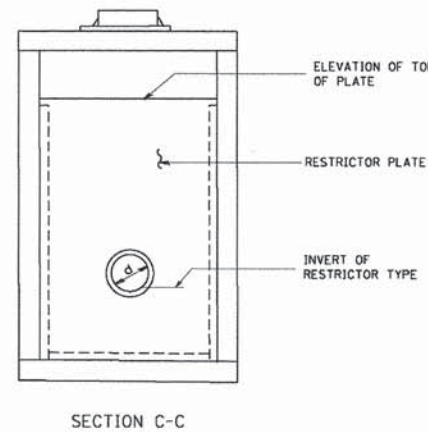
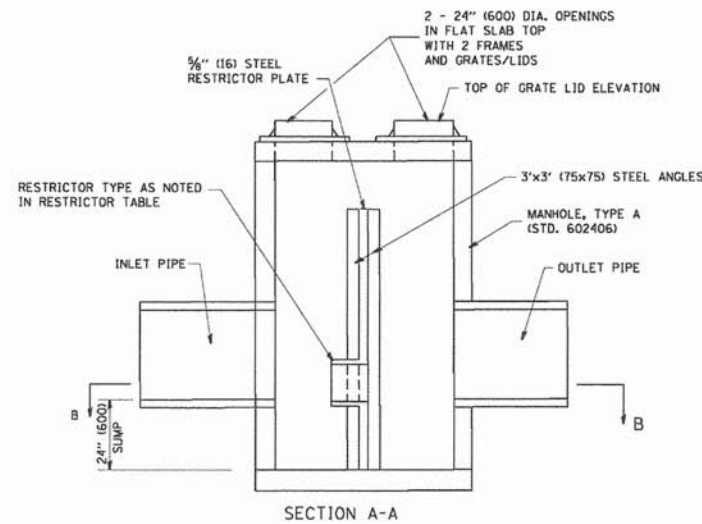
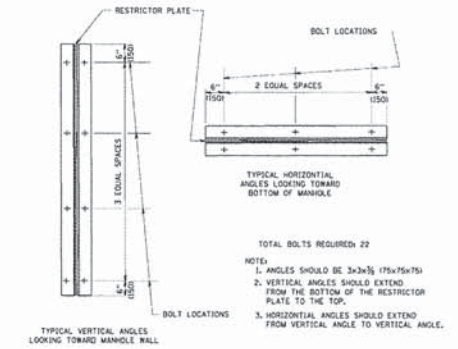
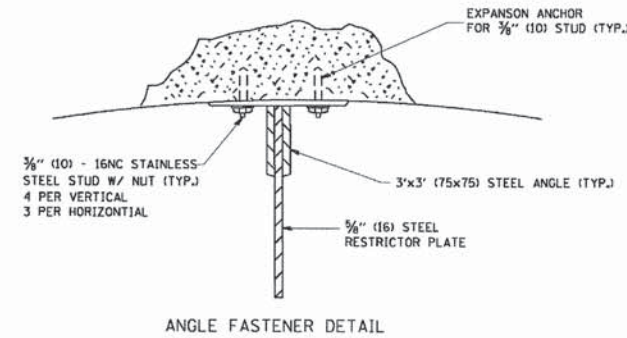
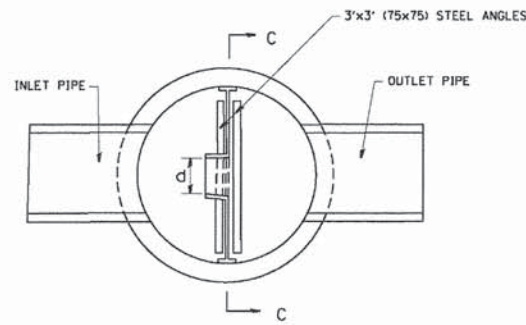
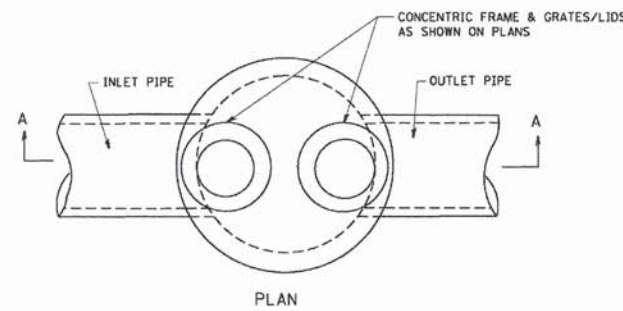
### STORM SEWER STRUCTURE SCHEDULE

Structure ID	Station	Offset	Structure Type	Diameter [ft]	Frame	Rim	Downstream Invert and Direction	Upstream Invert and Direction	Upstream Invert and Direction	Upstream Invert and Direction
ST3-26	47+82.00	36.0 RT	Inlet Type A	2	T23 F&G	742.90	739.90 SW			
ST3-36	47+62.11	24.0 LT	CB Type A	4	T23 F&G	743.80	739.43 E	739.43 S		
ST3-37	47+71.50	36.0 RT	CB Type A	4	T23 F&G	743.25	739.72 N	739.72 NE		
ST3-38	46+05.64	24.0 LT	CB Type A	4	T23 F&G	747.63	742.02 NE	742.27 SW	743.25 S	742.02± M.E. W
ST3-39	45+64.98	54.3 RT	CB Type A	5	T23 F&G	748.44	743.00 NE	743.55 W	743.50± M.E. S	
ST3-40	45+32.92	49.0 RT	Inlet Type A	2	T23 F&G	750.38	746.50 E			
ST3-53	46+05.80	32.2 RT	Inlet Type A	2	T23 F&G	747.56	743.81 N			
ST5-1	52+89.00	33.0 LT	CB Type A	4	T23 F&G	736.95	730.69± M.E. SE			
ST5-2	52+89.29	47.5 LT	Inlet Type A	2	T8 F&G	735.74	730.84 SW	730.84 SE		
ST5-3	51+99.99	47.5 LT	Inlet Type A	2	T8 F&G	735.78	731.27 NE			
ST5-5	54+13.00	33.7 LT	Inlet Type A	2	T23 F&G	735.74	730.59± SE			
ST5-6	54+14.51	25.2 LT	MH Type A	4	T1F CL	735.94	730.50± M.E. NE	730.50± M.E. SW	730.50± M.E. NW	

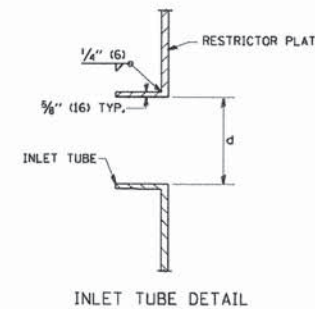
\* DPC Sag F&L is to be paid at Type 15 Frame and Grate

### STORM SEWER SCHEDULE

Pipe ID	Upstream Node ID	Downstream Node ID	Pipe Class	Pipe Type	Diameter [in]	Length [ft]	Pipe Slope [%]	Upstream Invert	Downstream Invert	Trench Backfill
P-336	ST3-36	ST3-8	A	Type 3	12	29	0.84	739.43	739.19	8.02
P-337	ST3-37	ST3-36	A	Type 3	12	64	0.46	739.72	739.43	6.61
P-338	ST3-38	ST3-10	A	Type 3	24	82	2.34	742.02	740.11	42.43
P-339	ST3-39	ST3-38	A	Type 3	12	90	0.81	743.00	742.27	34.04
P-340	ST3-40	ST3-39	A	Type 3	12	34	8.92	746.50	743.55	4.61
P-353	ST3-53	ST3-38	A	Type 3	12	58	0.98	743.81	743.25	6.79
P-501	ST5-1	EX MH	A	Type 1	12	9	1.00	730.69±	730.6± M.E.	0
P-502	ST5-2	ST5-1	A	Type 1	12	15	1.00	730.84±	730.69±	0
P-503	ST5-3	ST5-2	Perforated PVC SDR 35		12	85	0.50	731.27±	730.84	0
P-505	ST5-5	ST5-6	A	Type 1	12	9	1.00	730.59±	730.50± M.E.	0



- NOTES:
1. ALL STEEL ANGLES AND PLATES TO BE GALVANIZED AFTER FABRICATION.
  2. ALL RESTRICTOR PLATES, ANGLES AND HARDWARE TO BE INCLUDED IN THE COST OF THE MANHOLE.
  3. BASIS OF PAYMENT: "MANHOLES, TYPE A, 6 FT. (1.8 m) DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE" EACH



RESTRICTOR TYPE					
1	2	3	4	5	6
RE-ENTRANT TUBE	SHARP EDGED	SQUARE EDGED	RE-ENTRANT TUBE	SQUARE EDGED	ROUNDED
LENGTH: 1/2 TO 1 DIA.		STREAM CLEARS SIDES	LENGTH: 2-1/2 DIA.	LENGTH: 2-1/2 DIA.	
C=.52	C=.61	C=.61	C=.73	C=.82	C=.98

VALUES OF "C" FOR CIRCULAR AND SQUARE ORIFICES

STATION	MANHOLE DIAMETER	FRAME AND GRATE	RESTRICTOR TYPE	INSIDE RESTRICTOR TYPE DIAMETER In. (mm) (d)	INVERT OF RESTRICTOR TYPE	ELEVATION OF TOP OF PLATE OVERFLOW
652+85.00	6'	TY 1 F&CL	SHARP EDGED	9.5	752.29	759.00
661+57.41	4'	TY 1 F&CL	SHARP EDGED	4.5	748.86	753.40



USER NAME = #USER#  
 PLOT SCALE = #SCALE#  
 PLOT DATE = #DATE#

DESIGNED - JDH  
 DRAWN - DRP  
 CHECKED - VJD  
 DATE - 03/04/13

REVISED - ---  
 REVISED - ---  
 REVISED - ---  
 REVISED - ---

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PLAINFIELD ROAD DRAINAGE AND UTILITY SCHEDULES  
 STATION 52+00 TO STATION 60+00

SCALE: NONE SHEET NO. 21 OF 21 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PV	DU PAGE	285	130
CONTRACT NO. 63851				

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT







PROJECT LOCATED IN THE CITY OF DARIEN  
AND UNINCORPORATED DUPAGE COUNTY

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
PLAT OF HIGHWAYS

PLANS FOR PROPOSED  
FEDERAL AID HIGHWAY

F.A.P. ROUTE 0369 (COUNTY HIGHWAY 33 75TH STREET)  
FROM ADAMS STREET TO PLAINFIELD ROAD  
SECTION 12-00233-07-PV  
PROJECT NO. CMM-4003 (220)  
DU PAGE COUNTY, ILLINOIS  
JOB NUMBER R-55-001-97

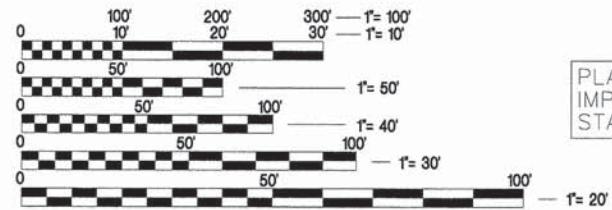
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PV	DU PAGE		1
		ILLINOIS	CONTRACT NO. 63851	

INDEX OF SHEETS

- 132 COVER SHEET
- 133-138 PLAT-OF-HIGHWAY PLAN
- 139 CENTERLINE DETAILS
- 140 SECTION BREAKDOWN DETAIL

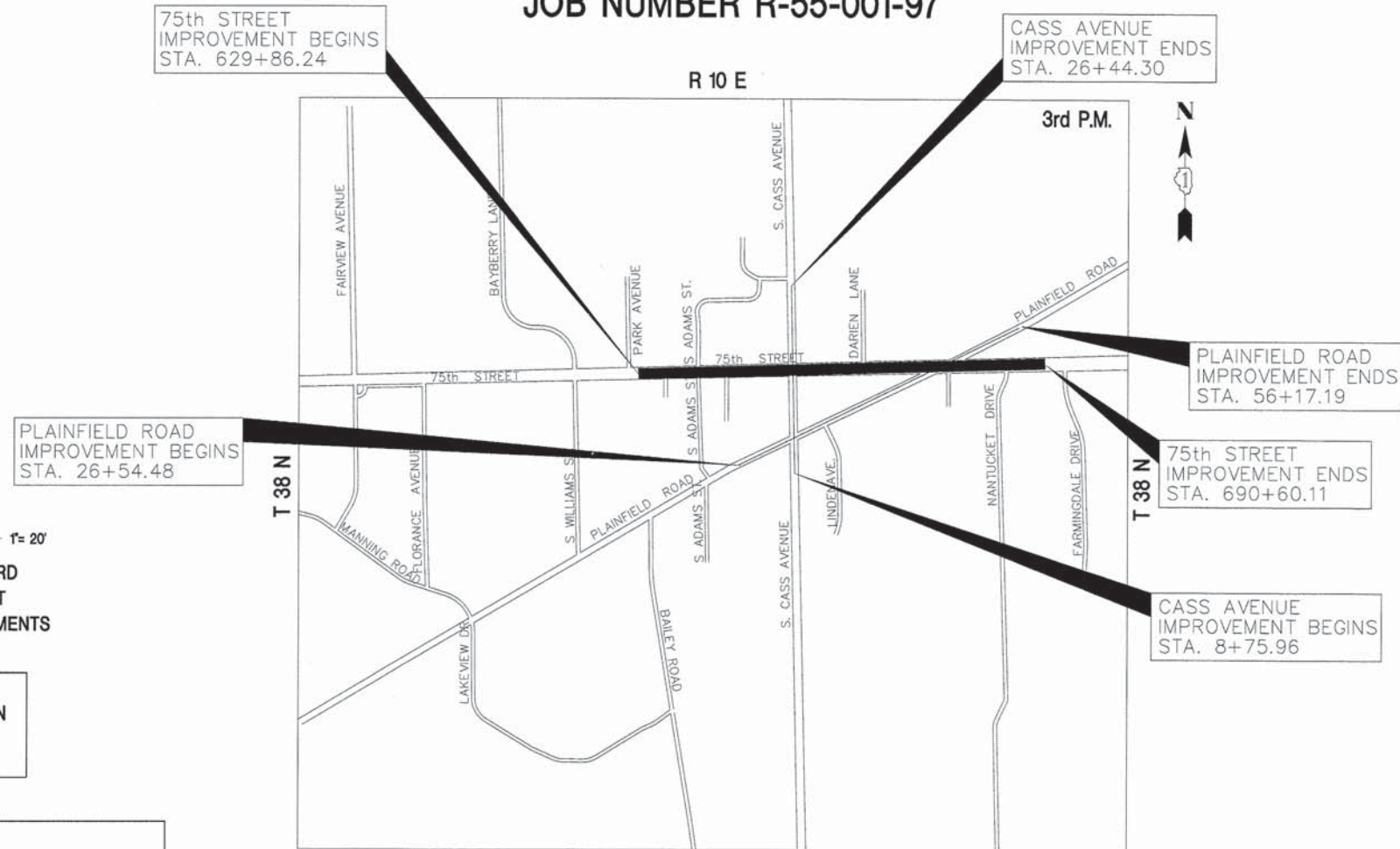


\* DISTRICT HEADQUARTERS  
LOCATION OF SECTION INDICATED THIS:



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

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



DOWNERS GROVE TOWNSHIP

LOCATION MAP  
NOT TO SCALE

GROSS LENGTH OF 75th STREET = 6,073.88 FT. = 1.1504 MILE  
NET LENGTH OF 75th STREET = 6,073.88 FT. = 1.1504 MILE  
GROSS LENGTH OF PLAINFIELD ROAD = 2,962.71 FT. = 0.5611 MILE  
NET LENGTH OF PLAINFIELD ROAD = 2,962.71 FT. = 0.5611 MILE  
GROSS LENGTH OF CASS AVENUE = 1,768.11 FT. = 0.3349 MILE  
NET LENGTH OF CASS AVENUE = 1,768.11 FT. = 0.3349 MILE  
PROJECT TOTAL GROSS LENGTH = 26,904.70 FT. = 5.0956 MILE  
PROJECT TOTAL NET LENGTH = 26,904.70 FT. = 5.0956 MILE

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

APPROVED \_\_\_\_\_ 20\_\_\_\_  
LOCAL AGENCY OFFICIAL

APPROVED \_\_\_\_\_ 20\_\_\_\_  
ENGINEER OF LAND ACQUISITION

APPROVED \_\_\_\_\_ 20\_\_\_\_  
ENGINEER OF LOCAL ROADS & STREETS

APPROVED \_\_\_\_\_ 20\_\_\_\_  
DISTRICT ENGINEER



V3 Companies  
7325 Janes Avenue  
Woodridge, IL 60517  
630.724.9200 phone  
630.724.9202 fax  
www.v3co.com



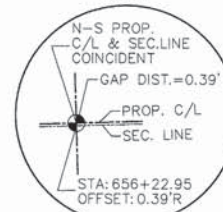




PART OF SECTION 27 AND THE EAST 1/2 OF SECTION 28, TOWNSHIP 38 NORTH, RANGE 11 EAST, OF THE 3rd PM, DU PAGE COUNTY, ILLINOIS.

PARCEL NUMBER	OWNER	PERMANENT INDEX NUMBER	TOTAL HOLDING (ACRES)	AREA TAKEN (ACRES)	AREA PREV.DED. (ACRES)	REMAINDER AREA (ACRES)	EASEMENT AREA (ACS/SF)	PURPOSE OF EASEMENT AREA	PROPERTY ACQUIRED BY
0002	Darien Public School District No. 61		(SEE SHEET 137)						
0006TE	Emro Marketing Company	09-28-402-022	0.911	N/A	N/A	0.911	0.040ACS (B) 0.017ACS (A)	"	
0010TE	JPMorgan Chase Bank	09-27-300-001	0.804	N/A	N/A	0.804	0.019ACS	"	
0011TE	City of Darien	09-27-300-002 09-27-300-003	1.157	N/A	N/A	1.157	175 SF (A) 0.024ACS (B) 277 SF (A)	"	
0016TE	Brookhaven Plaza, LLC	09-28-402-021 09-28-402-024 09-28-402-026	9.310	N/A	N/A	9.310	0.011ACS (B) 0.009 (C) (SHEET 135) 0.059ACS (D)	"	

DETAIL "C"  
N.T.S.



- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- T2
- T3
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT2
- BT3
- M STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN IDENTIFIED BY INSCRIPTION DATA AND SURVEYOR'S REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

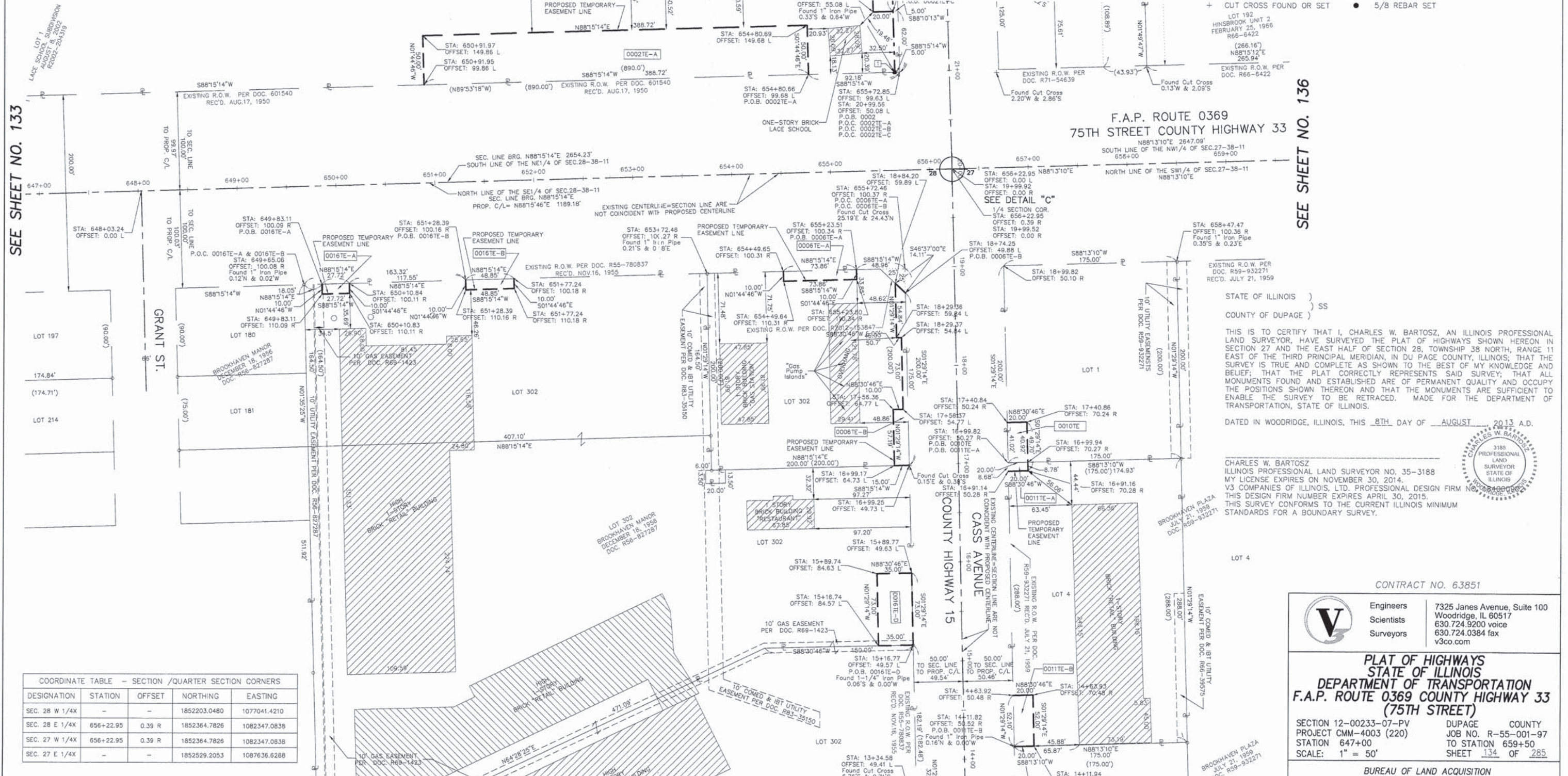
**LEGEND**

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- CENTERLINE
- EXISTING RIGHT-OF-WAY LINE
- PROPOSED RIGHT-OF-WAY LINE
- PROPOSED EASEMENT
- PROPERTY/SECTION LINE EXTENSION
- MEASURED OR COMPUTED
- OR CALCULATED DIMENSION
- RECORD DIMENSION PER MON. REC'D.
- EXISTING BUILDING
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- PK "MAG" NAIL FOUND OR SET
- 5/8 REBAR SET

BEARINGS AND COORDINATES ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM NAD83 (1986) EAST ZONE

1" = 50'

SEE SHEET NO. 137



SEE SHEET NO. 136

SEE SHEET NO. 133

STATE OF ILLINOIS )  
COUNTY OF DUPAGE ) SS

THIS IS TO CERTIFY THAT I, CHARLES W. BARTOSZ, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 27 AND THE EAST HALF OF SECTION 28, TOWNSHIP 38 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN DU PAGE COUNTY, ILLINOIS; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY; THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED IN WOODRIDGE, ILLINOIS, THIS 8TH DAY OF AUGUST, 2013 A.D.

CHARLES W. BARTOSZ  
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3188  
MY LICENSE EXPIRES ON NOVEMBER 30, 2014.  
V3 COMPANIES OF ILLINOIS, LTD. PROFESSIONAL DESIGN FIRM NO. 0000000000  
THIS DESIGN FIRM NUMBER EXPIRES APRIL 30, 2015.  
THIS SURVEY CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



CONTRACT NO. 63851

**V** Engineers 7325 Janes Avenue, Suite 100  
Scientists Woodridge, IL 60517  
Surveyors 630.724.9200 voice  
630.724.0384 fax  
v3co.com

**PLAT OF HIGHWAYS  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
F.A.P. ROUTE 0369 COUNTY HIGHWAY 33  
(75TH STREET)**

SECTION 12-00233-07-PV DUPAGE COUNTY  
PROJECT CMM-4003 (220) JOB NO. R-55-001-97  
STATION 647+00 TO STATION 659+50  
SCALE: 1" = 50' SHEET 134 OF 285

BUREAU OF LAND ACQUISITION  
201 WEST CENTER COURT  
SCHAUMBURG, ILLINOIS 60196-1096

MADE BY: CWB

COORDINATE TABLE - SECTION /QUARTER SECTION CORNERS

DESIGNATION	STATION	OFFSET	NORTHING	EASTING
SEC. 28 W 1/4X	-	-	1852203.0480	1077041.4210
SEC. 28 E 1/4X	656+22.95	0.39 R	1852364.7826	1082347.0838
SEC. 27 W 1/4X	656+22.95	0.39 R	1852364.7826	1082347.0838
SEC. 27 E 1/4X	-	-	1852529.2053	1087636.6288



PART OF SECTION 27 AND THE EAST 1/2 OF SECTION 28, TOWNSHIP 38 NORTH, RANGE 11 EAST, OF THE 3rd PM, DU PAGE COUNTY, ILLINOIS.

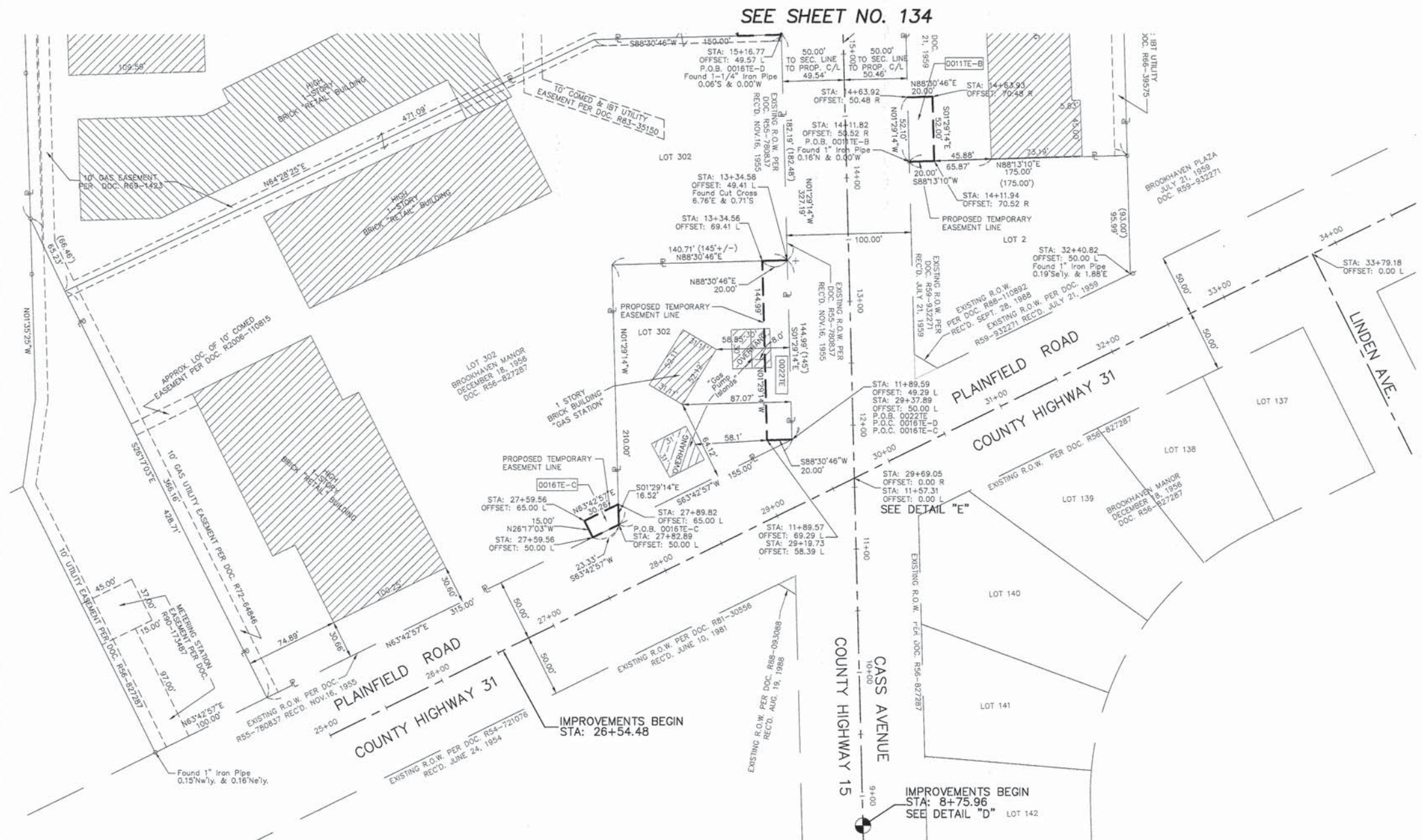
PARCEL NUMBER	OWNER	PERMANENT INDEX NUMBER	TOTAL HOLDING (ACRES)	AREA TAKEN (ACRES)	AREA PREV.DED. (ACRES)	REMAINDER AREA (ACRES)	EASEMENT AREA (ACRES)	PURPOSE OF EASEMENT AREA	PROPERTY ACQUIRED BY
0016TE-C	Brookhaven Plaza, LLC	09-28-402-021 09-28-402-024 09-28-402-026	9.310	N/A	N/A	9.310	402 SF	*	
0022TE	N.A.M. Corporation	09-28-402-025	0.573	N/A	N/A	0.573	0.067	*	

**LEGEND**

- SECTION LINE
- QUARTER SECTION LINE
- QUARTER QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APPL APPARENT PROPERTY LINE
- CENTERLINE
- EXISTING RIGHT-OF-WAY LINE
- PROPOSED RIGHT-OF-WAY LINE
- PROPOSED EASEMENT
- PROPERTY/SECTION LINE EXTENSION
- MEASURED OR COMPUTED OR CALCULATED DIMENSION
- RECORD DIMENSION PER MON. REC'D.
- EXISTING BUILDING
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- PK "MAG" NAIL FOUND OR SET
- 5/8 REBAR SET

BEARINGS AND COORDINATES ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM NAD83 (1986) EAST ZONE

1" = 50'



SEE SHEET NO. 136

SEE SHEET NO. 134

- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.
- T2
- T3
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.
- BT2
- BT3
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN IDENTIFIED BY INSCRIPTION DATA AND SURVEYOR'S REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.
- COORDINATES LISTED HEREON ARE GROUND COORDINATES

STATE OF ILLINOIS )  
COUNTY OF DUPAGE ) SS

THIS IS TO CERTIFY THAT I, CHARLES W. BARTOSZ, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 27 AND THE EAST HALF OF SECTION 28, TOWNSHIP 38 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN DU PAGE COUNTY, ILLINOIS; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY; THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED IN WOODRIDGE, ILLINOIS, THIS 8TH DAY OF AUGUST, 2013 A.D.

CHARLES W. BARTOSZ  
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3188  
MY LICENSE EXPIRES ON NOVEMBER 30, 2014.  
V3 COMPANIES OF ILLINOIS, LTD. PROFESSIONAL DESIGN FIRM NO. 182-0099  
THIS DESIGN FIRM NUMBER EXPIRES APRIL 30, 2015.  
THIS SURVEY CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

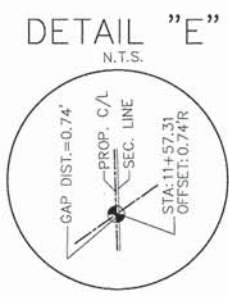
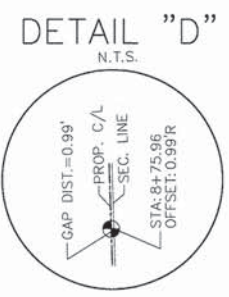


COORDINATE TABLE - PROPOSED CENTERLINE (PROJECT BEGIN AND END POINTS) (PLAINFIELD ROAD)

STATION	OFFSET	NORTHING	EASTING
26+54.48	0.00 R	1851383.5354	1082086.1693
56+17.19	0.00 R	1852710.3435	1084725.0457

COORDINATE TABLE - PROPOSED CENTERLINE (PROJECT BEGIN AND END POINTS) (CASS AVENUE)

STATION	OFFSET	NORTHING	EASTING
8+75.96	0.00 R	1851241.5727	1082375.2725
26+44.30	0.00 R	1853009.2424	1082326.8834



CONTRACT NO. 63851

**V** Engineers 7325 Janes Avenue, Suite 100  
Scientists Woodridge, IL 60517  
Surveyors 630.724.9200 voice  
630.724.0384 fax  
v3co.com

PLAT OF HIGHWAYS  
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
F.A.P. ROUTE 0369 COUNTY HIGHWAY 33  
(75TH STREET)

SECTION 12-00233-07-PV DUPAGE COUNTY  
PROJECT CMM-4003 (220) JOB NO. R-55-001-97  
STATION 9+00 TO STATION 15+00  
SCALE: 1" = 50' SHEET 135 OF 285

BUREAU OF LAND ACQUISITION  
201 WEST CENTER COURT  
SCHAUMBURG, ILLINOIS 60196-1096



PART OF SECTION 27 AND THE EAST 1/2 OF SECTION 28, TOWNSHIP 38 NORTH, RANGE 11 EAST, OF THE 3rd PM, DU PAGE COUNTY, ILLINOIS.

PARCEL NUMBER	OWNER	PERMANENT INDEX NUMBER	TOTAL HOLDING (ACRES)	AREA TAKEN (ACRES)	AREA PREV.DED. (ACRES)	REMAINDER AREA (ACRES)	EASEMENT AREA (ACS/SF)	PURPOSE OF EASEMENT AREA	PROPERTY ACQUIRED BY
0013TE	Otto M. Genutis & Irene Genutis	09-27-302-001	0.647	N/A	N/A	0.647	0.071	-	-
0014	Marcia A. Donner 2007 Living Trust	09-27-114-026	0.262	0.015	0.014	0.262	N/A	N/A	-
			0.262	N/A	N/A	N/A	0.011ACS(TE)	-	-
0015	Brian & Sheila Anderson-Athern	09-27-114-025	0.305	0.014	0.016	0.305	N/A	N/A	-
			0.305	N/A	N/A	N/A	0.011ACS(TE)	-	-
0019TE	McDonald's Corp.	09-27-115-004 09-27-115-006	1.345	N/A	N/A	1.345	0.011 ACS	-	-
0023TE	Uriel and Rosalba Orozco	09-27-114-023	0.222	N/A	N/A	N/A	0.010 ACS	-	-

LEGEND

SECTION LINE  
 QUARTER SECTION LINE  
 QUARTER QUARTER SECTION LINE  
 PLATTED LOT LINE  
 PROPERTY (DEED) LINE  
 APPARENT PROPERTY LINE  
 CENTERLINE  
 EXISTING RIGHT-OF-WAY LINE  
 PROPOSED RIGHT-OF-WAY LINE  
 PROPOSED EASEMENT  
 PROPERTY/SECTION LINE EXTENSION  
 MEASURED OR COMPUTED OR CALCULATED DIMENSION  
 RECORD DIMENSION PER MON. REC'D.  
 EXISTING BUILDING

○ IRON PIPE OR ROD FOUND    ⊕ PK "MAG" NAIL FOUND OR SET  
 + CUT CROSS FOUND OR SET    ● 5/8 REBAR SET

● T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.  
 ● BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.  
 ■ STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN IDENTIFIED BY INSCRIPTION DATA AND SURVEYOR'S REGISTRATION NUMBER.  
 ■ M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.  
 ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STD 2135 (TO BE SET BY OTHERS)  
 □ RIGHT OF WAY STAKING PROPOSED TO BE SET.  
 COORDINATES LISTED HEREON ARE GROUND COORDINATES

STATE OF ILLINOIS )  
 COUNTY OF DUPAGE ) SS

THIS IS TO CERTIFY THAT I, CHARLES W. BARTOSZ, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 27 AND THE EAST HALF OF SECTION 28, TOWNSHIP 38 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN DU PAGE COUNTY, ILLINOIS; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY; THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

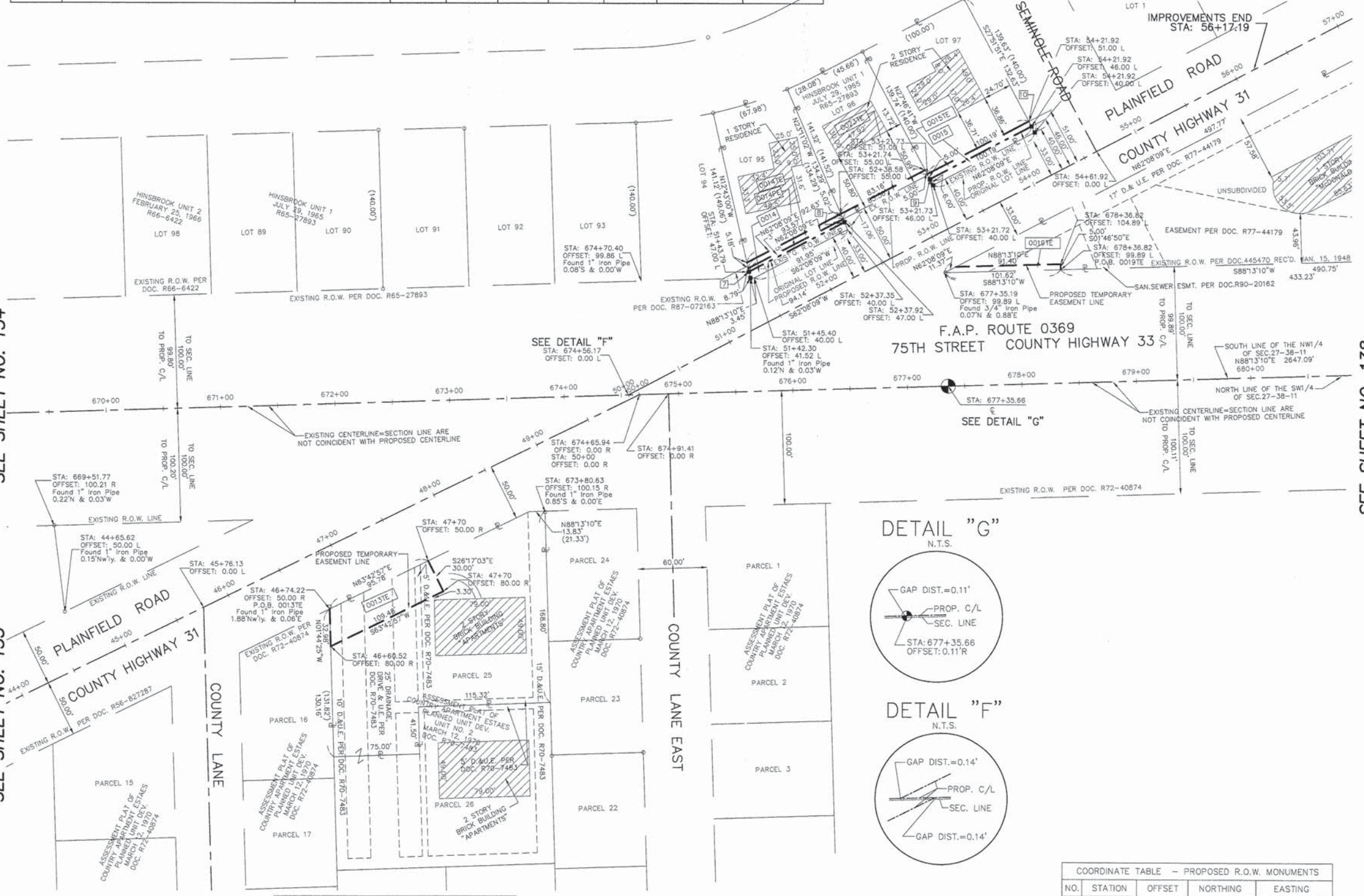
DATED IN WOODRIDGE, ILLINOIS, THIS 8TH DAY OF AUGUST 2013 A.D.

CHARLES W. BARTOSZ  
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3188  
 MY LICENSE EXPIRES ON NOVEMBER 30, 2014.  
 V3 COMPANIES OF ILLINOIS, LTD. PROFESSIONAL DESIGN FIRM NO. 18500902  
 THIS DESIGN FIRM NUMBER EXPIRES APRIL 30, 2015.  
 THIS SURVEY CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

SEE SHEET NO. 134

SEE SHEET NO. 138

SEE SHEET NO. 135



COORDINATE TABLE - PROPOSED CENTERLINE (75TH STREET)

STATION	OFFSET	NORTHING	EASTING
677+35.66	0.00 R	1852430.5290	1084458.7720

COORDINATE TABLE - PROPOSED CENTERLINE (PLAINFIELD ROAD)

STATION	OFFSET	NORTHING	EASTING
26+54.48	0.00 R	1851383.5354	1082086.1693
56+17.19	0.00 R	1852710.3435	1084725.0457

COORDINATE TABLE - PROPOSED R.O.W. MONUMENTS

NO.	STATION	OFFSET	NORTHING	EASTING
7	51+43.79	47.00 L	1852530.6367	1084284.5635
8	52+38.17	47.00 L	1852574.6336	1084367.7851
9	53+21.73	50.00 L	1852616.4564	1084440.4753
10	54+21.92	50.00 L	1852663.2803	1084529.0442

REVISION DATE: 07/29/2013

REVISION: 1

MADE BY: CWB

ROUTE F.A.P. 0369 (COUNTY HIGHWAY 33)

SECTION

COUNTY DU PAGE

JOB NO.

RECORDING: RECORDED ON

AS DOCUMENT NO.

CONTRACT NO. 63851

**V** Engineers 7325 Janes Avenue, Suite 100  
 Scientists Woodridge, IL 60517  
 Surveyors 630.724.9200 voice  
 630.724.0384 fax  
 v3co.com

**PLAT OF HIGHWAYS**  
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**F.A.P. ROUTE 0369 COUNTY HIGHWAY 33**  
**(75TH STREET)**

SECTION 12-00233-07-PV DUPAGE COUNTY  
 PROJECT CMM-4003 (220) JOB NO. R-55-001-97  
 STATION 669+50 TO STATION 680+50  
 SCALE: 1" = 50' SHEET 136 OF 285

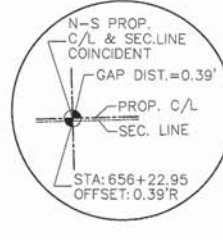
BUREAU OF LAND ACQUISITION  
 201 WEST CENTER COURT  
 SCHAMBURG, ILLINOIS 60196-1096



PART OF SECTION 27 AND THE EAST 1/2 OF SECTION 28, TOWNSHIP 38 NORTH, RANGE 11 EAST, OF THE 3rd PM, DU PAGE COUNTY, ILLINOIS.

PARCEL NUMBER	OWNER	PERMANENT INDEX NUMBER	TOTAL HOLDING (ACRES)	AREA TAKEN (ACRES)	AREA PREV.DED. (ACRES)	REMAINDER AREA (ACRES)	EASEMENT AREA (ACRES)	PURPOSE OF EASEMENT AREA	PROPERTY ACQUIRED BY
0002	Darien Public School District No. 61	09-28-210-028	12.326	N/A	N/A	N/A	0.023 (C)	"	
			12.326	N/A	N/A	N/A	0.446 (A)	"	
			12.326	N/A	N/A	N/A	0.044 (B)	"	
			12.326	0.030	N/A	12.326	N/A	N/A	

DETAIL "C"  
N.T.S.



DETAIL "I"  
N.T.S.



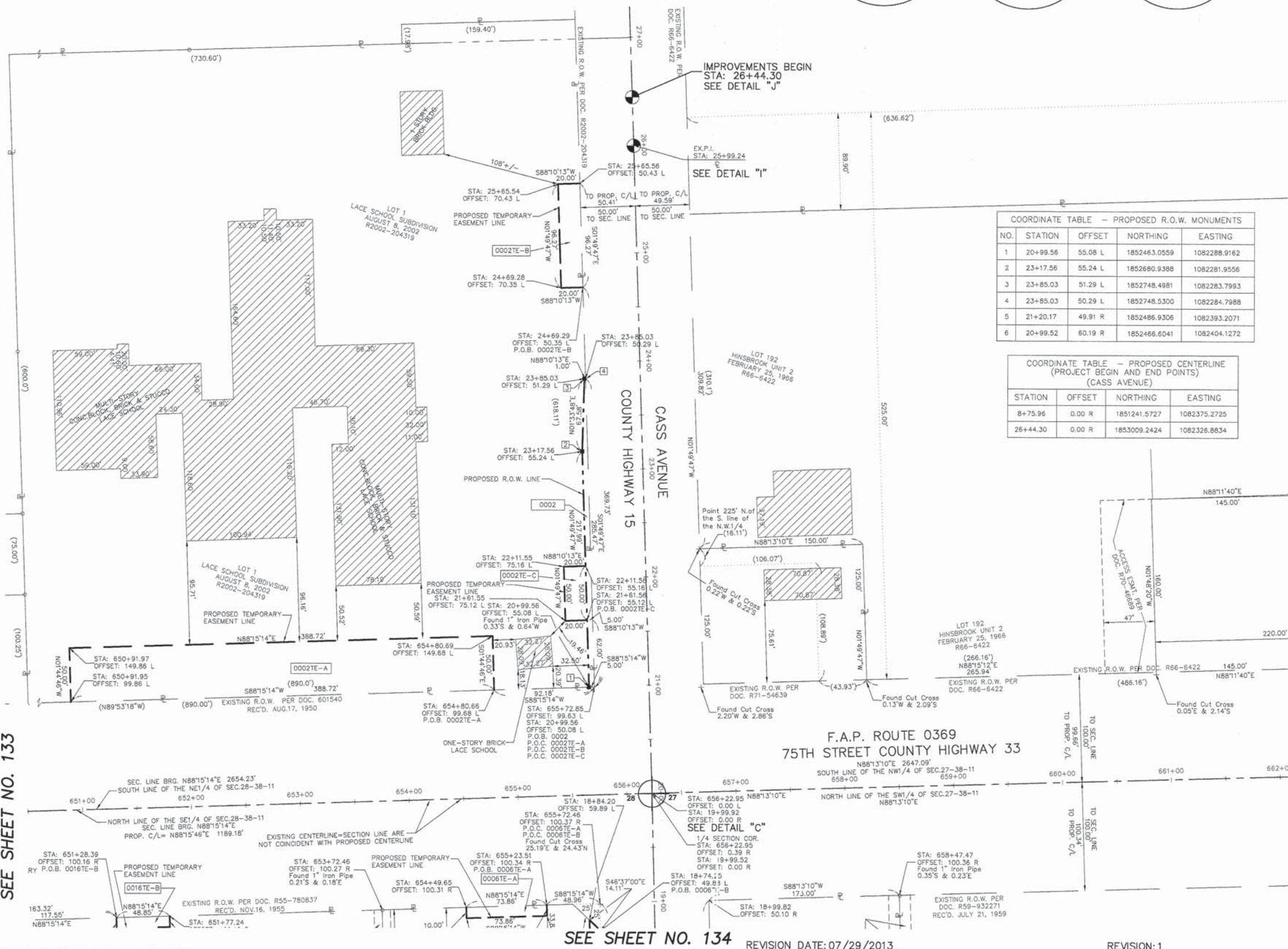
DETAIL "J"  
N.T.S.



LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APPARENT PROPERTY LINE
- CENTERLINE
- EXISTING RIGHT-OF-WAY LINE
- PROPOSED RIGHT-OF-WAY LINE
- PROPOSED EASEMENT
- PROPERTY/SECTION LINE EXTENSION
- MEASURED OR COMPUTED OR CALCULATED DIMENSION
- RECORD DIMENSION PER MON. REC'D.
- EXISTING BUILDING
- IRON PIPE OR ROD FOUND OR SET
- CUT CROSS FOUND OR SET
- PK "MAG" NAIL FOUND OR SET
- 5/8 REBAR SET
- THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.
- THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN IDENTIFIED BY INSCRIPTION DATA AND SURVEYOR'S REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 1/2 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

BEARINGS AND COORDINATES ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM NAD83 (1986) EAST ZONE



COORDINATE TABLE - PROPOSED R.O.W. MONUMENTS

NO.	STATION	OFFSET	NORTHING	EASTING
1	20+99.56	55.08 L	1852463.0559	1082288.9162
2	23+17.56	55.24 L	1852680.9388	1082281.9556
3	23+85.03	51.29 L	1852748.4981	1082283.7993
4	23+85.03	50.29 L	1852748.5300	1082284.7988
5	21+20.17	49.91 R	1852486.9306	1082393.2071
6	20+99.52	60.19 R	1852466.6041	1082404.1272

COORDINATE TABLE - PROPOSED CENTERLINE (PROJECT BEGIN AND END POINTS) (CASS AVENUE)

STATION	OFFSET	NORTHING	EASTING
8+75.96	0.00 R	1851241.5727	1082375.2725
26+44.30	0.00 R	1853009.2424	1082326.8834

STATE OF ILLINOIS )  
COUNTY OF DUPAGE ) SS

THIS IS TO CERTIFY THAT I, CHARLES W. BARTOSZ, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 27 AND THE EAST HALF OF SECTION 28, TOWNSHIP 38 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN DU PAGE COUNTY, ILLINOIS; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY; THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED IN WOODRIDGE, ILLINOIS, THIS 8TH DAY OF AUGUST, 2013 A.D.

CHARLES W. BARTOSZ  
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3188  
MY LICENSE EXPIRES ON NOVEMBER 30, 2014.  
V3 COMPANIES OF ILLINOIS, LTD. PROFESSIONAL DESIGN FIRM NO. 185-0099  
THIS DESIGN FIRM NUMBER EXPIRES APRIL 30, 2015.  
THIS SURVEY CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



CONTRACT NO. 63851

Engineers 7325 Janes Avenue, Suite 100  
Scientists Woodridge, IL 60517  
Surveyors 630.724.9200 voice  
630.724.0384 fax  
v3co.com

**PLAT OF HIGHWAYS**  
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**F.A.P. ROUTE 0369 COUNTY HIGHWAY 33**  
**(75TH STREET)**

SECTION 12-00233-07-PV DUPAGE COUNTY  
PROJECT CMM-4003 (220) JOB NO. R-55-001-97  
STATION 651+00 TO STATION 662+00  
SCALE: 1" = 50' SHEET 137 OF 285

BUREAU OF LAND ACQUISITION  
201 WEST CENTER COURT  
SCHAUMBURG, ILLINOIS 60196-1096  
AS DOCUMENT NO.

SEE SHEET NO. 133

SEE SHEET NO. 136

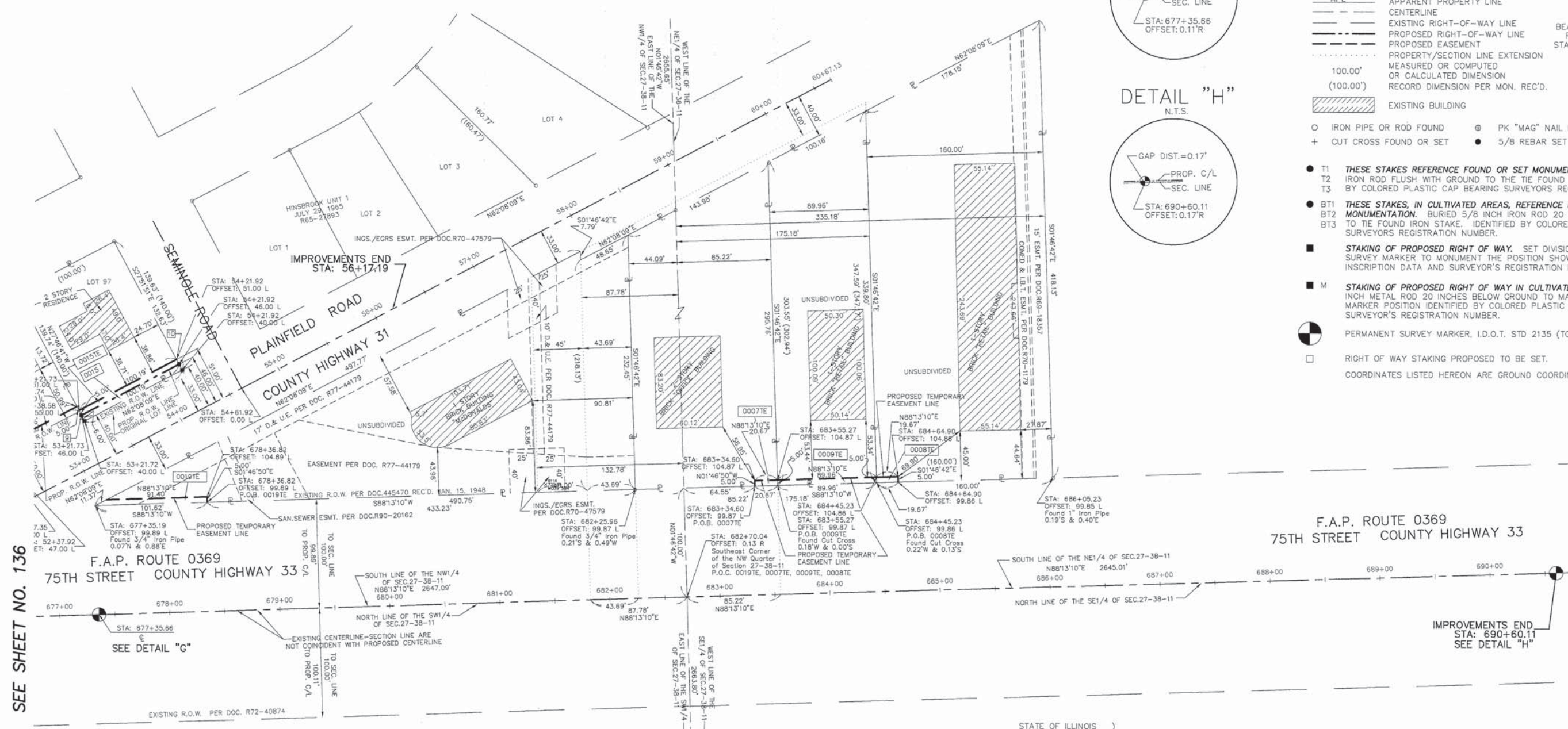
SEE SHEET NO. 134 REVISION DATE: 07/29/2013

REVISION: 1 MADE BY: CWB



PART OF SECTION 27 AND THE EAST 1/2 OF SECTION 28, TOWNSHIP 38 NORTH, RANGE 11 EAST, OF THE 3rd PM, DU PAGE COUNTY, ILLINOIS.

PARCEL NUMBER	OWNER	PERMANENT INDEX NUMBER	TOTAL HOLDING (ACRES)	AREA TAKEN (ACRES)	AREA PREV.DED. (ACRES)	REMAINDER AREA (ACRES)	EASEMENT AREA (ACS/SF)	PURPOSE OF EASEMENT AREA	PROPERTY ACQUIRED BY
0007TE	Western Springs Nat. Bank & Trust	09-27-207-031	0.784	N/A	N/A	0.784	103 SF	"	"
0009TE	Hinsbrook Center LLC	09-27-207-026	0.656	N/A	N/A	0.656	0.010 ACS	"	"
0008TE	Republic Bank of Chicago	09-27-207-027	1.932	N/A	N/A	1.932	98 SF	"	"



SEE SHEET NO. 136

COORDINATE TABLE - PROPOSED CENTERLINE (PROJECT BEGIN AND END POINTS) (PLAINFIELD ROAD)

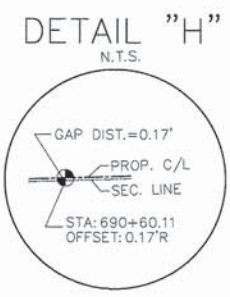
STATION	OFFSET	NORTHING	EASTING
56+17.19	0.00 R	1852710.3435	1084725.0457

COORDINATE TABLE - PROPOSED CENTERLINE (75TH STREET)

STATION	OFFSET	NORTHING	EASTING
677+35.66	0.00 R	1852430.5290	1084458.7720

COORDINATE TABLE - PROPOSED CENTERLINE (PROJECT BEGIN AND END POINTS) (75TH STREET)

STATION	OFFSET	NORTHING	EASTING
634+57.67	0.00 R	1852298.9249	1080182.8074
690+60.11	0.00 R	1852471.7393	1085782.5812



**LEGEND**

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL
- APPARENT PROPERTY LINE
- CENTERLINE
- EXISTING RIGHT-OF-WAY LINE
- PROPOSED RIGHT-OF-WAY LINE
- PROPOSED EASEMENT
- PROPERTY/SECTION LINE EXTENSION
- MEASURED OR COMPUTED
- OR CALCULATED DIMENSION
- RECORD DIMENSION PER MON. REC'D.
- EXISTING BUILDING
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- PK "MAG" NAIL FOUND OR SET
- 5/8 REBAR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.
- BT1 BT2 BT3 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN IDENTIFIED BY INSCRIPTION DATA AND SURVEYOR'S REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 1/2 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T. STD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.
- COORDINATES LISTED HEREON ARE GROUND COORDINATES

STATE OF ILLINOIS )  
 COUNTY OF DUPAGE ) SS

THIS IS TO CERTIFY THAT I, CHARLES W. BARTOSZ, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 27 AND THE EAST HALF OF SECTION 28, TOWNSHIP 38 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN DU PAGE COUNTY, ILLINOIS; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY; THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED IN WOODRIDGE, ILLINOIS, THIS 28TH DAY OF AUGUST, 2013 A.D.

CHARLES W. BARTOSZ  
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3188  
 MY LICENSE EXPIRES ON NOVEMBER 30, 2014.  
 V3 COMPANIES OF ILLINOIS, LTD. PROFESSIONAL DESIGN FIRM NO. 16200399  
 THIS DESIGN FIRM NUMBER EXPIRES APRIL 30, 2015.  
 THIS SURVEY CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

CONTRACT NO. 63851

**V** Engineers 7325 Janes Avenue, Suite 100  
 Scientists Woodridge, IL 60517  
 Surveyors 630.724.9200 voice  
 630.724.0384 fax  
 v3co.com

**PLAT OF HIGHWAYS**  
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**  
**F.A.P. ROUTE 0369 COUNTY HIGHWAY 33**  
**(75TH STREET)**

SECTION 12-00233-07-PV DUPAGE COUNTY  
 PROJECT CMM-4003 (220) JOB NO. R-55-001-97  
 STATION 677+00 TO STATION 690+60.11  
 SCALE: 1" = 50' SHEET 138 OF 285

BUREAU OF LAND ACQUISITION  
 201 WEST CENTER COURT  
 SCHAUMBURG, ILLINOIS 60196-1096  
 AS DOCUMENT NO.



PART OF SECTION 27 AND THE EAST 1/2 OF SECTION 28, TOWNSHIP 38 NORTH, RANGE 11 EAST, OF THE 3rd PM, DU PAGE COUNTY, ILLINOIS.

Point Number	Tie to Point	Approx. N. Azimuth from Point to Tie	Tie Distance (feet)
1	T1	225°	
	T2	270°	
	T3	315°	
2	T1	225°	
	T2	270°	
	T3	315°	
3	T1	225°	
	T2	270°	
	T3	315°	
4	T1	225°	
	T2	270°	
	T3	315°	
5	T1	225°	
	T2	270°	
	T3	315°	
6	T1	225°	
	T2	270°	
	T3	315°	
7	T1	225°	
	T2	270°	
	T3	315°	
8	T1	225°	
	T2	270°	
	T3	315°	
9	T1	225°	
	T2	270°	
	T3	315°	

**LEGEND**

SECTION CORNER: 9 10 15  
 QUARTER SECTION CORNER: 16 15

SECTION LINE  
 QUARTER SECTION LINE  
 QUARTER QUARTER SECTION LINE  
 PLATTED LOT LINE  
 PROPERTY (DEED) LINE  
 APPARENT PROPERTY LINE  
 CENTERLINE  
 EXISTING RIGHT-OF-WAY LINE  
 PROPOSED RIGHT-OF-WAY LINE  
 PROPOSED EASEMENT  
 PROPERTY/SECTION LINE EXTENSION  
 MEASURED OR COMPUTED OR CALCULATED DIMENSION  
 RECORD DIMENSION PER MON. REC'D.

EXISTING BUILDING

IRON PIPE OR ROD FOUND  
 PK "MAG" NAIL FOUND OR SET  
 CUT CROSS FOUND OR SET  
 5/8 REBAR SET

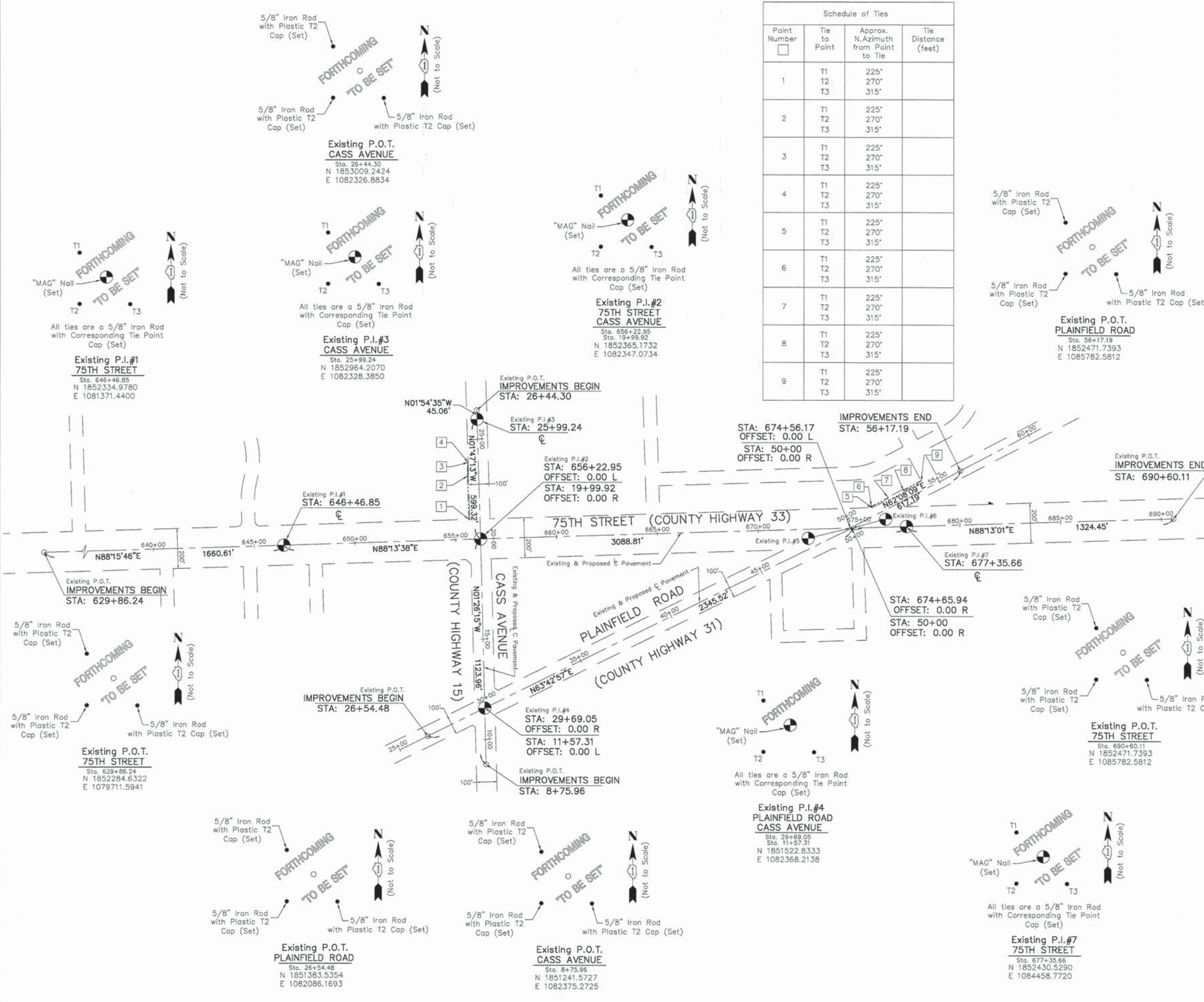
T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.  
 T2  
 T3  
 BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.  
 BT2  
 BT3  
 STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN IDENTIFIED BY INSCRIPTION DATA AND SURVEYOR'S REGISTRATION NUMBER.  
 STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYOR'S REGISTRATION NUMBER.  
 PERMANENT SURVEY MARKER, I.D.O.T. STD 2135 (TO BE SET BY OTHERS)  
 RIGHT OF WAY STAKING PROPOSED TO BE SET.  
 COORDINATES LISTED HEREON ARE GROUND COORDINATES

STATE OF ILLINOIS } SS  
 COUNTY OF DUPAGE }

THIS IS TO CERTIFY THAT I, CHARLES W. BARTOSZ, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 27 AND THE EAST HALF OF SECTION 28, TOWNSHIP 38 NORTH, RANGE 11 EAST OF THE THIRD PRINCIPAL MERIDIAN, IN DU PAGE COUNTY, ILLINOIS; THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY; THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED IN WOODRIDGE, ILLINOIS, THIS 8TH DAY OF AUGUST, 2013 A.D.

CHARLES W. BARTOSZ  
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-3188  
 MY LICENSE EXPIRES ON NOVEMBER 30, 2014.  
 V3 COMPANIES OF ILLINOIS, LTD. PROFESSIONAL DESIGN FIRM NO. 15400902  
 THIS DESIGN FIRM NUMBER EXPIRES APRIL 30, 2015.  
 THIS SURVEY CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



CONTRACT NO. 63851

**V** Engineers 7325 Janes Avenue, Suite 100  
 Scientists Woodridge, IL 60517  
 Surveyors 630.724.9200 voice  
 630.724.0384 fax  
 v3co.com

**PLAT OF HIGHWAYS  
 STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION  
 F.A.P. ROUTE 0369 COUNTY HIGHWAY 33  
 (75TH STREET)**

SECTION 12-00233-07-PV DUPAGE COUNTY  
 PROJECT CMM-4003 (220) JOB NO. R-55-001-97  
 STATION 629+86.24 TO STATION 690+60.11  
 SCALE: 1" = 250' SHEET 139 OF 285

BUREAU OF LAND ACQUISITION  
 201 WEST CENTER COURT  
 SCHAMBOURG, ILLINOIS 60196-1096

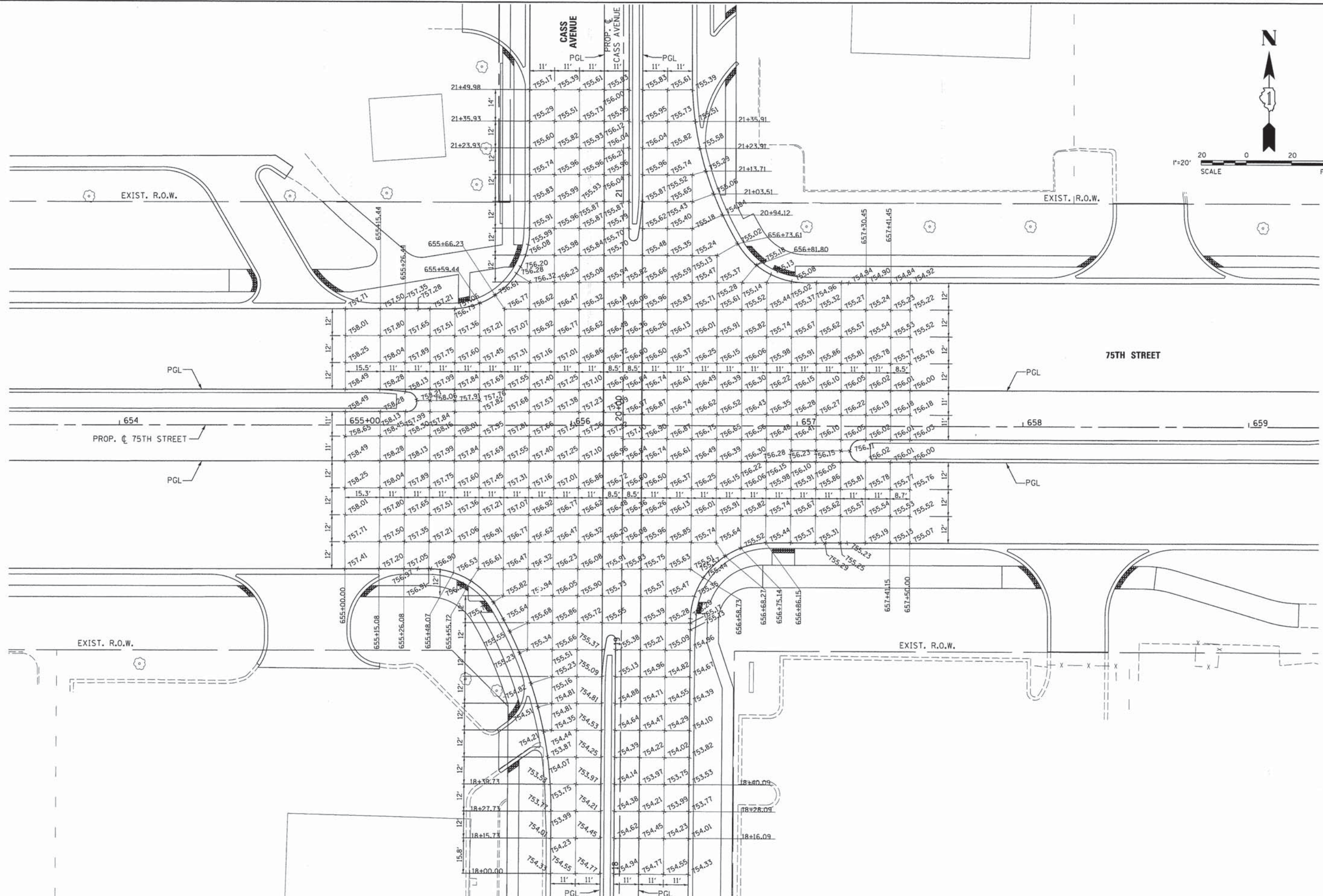
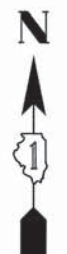












V3 Companies  
7325 Janes Avenue  
Woodridge, IL 60517  
630.724.9200 phone  
630.724.9202 fax  
www.v3co.com

USER NAME = #USER#  
DESIGNED - JQH  
DRAWN - DRP  
CHECKED - VJD  
DATE - 03/04/13

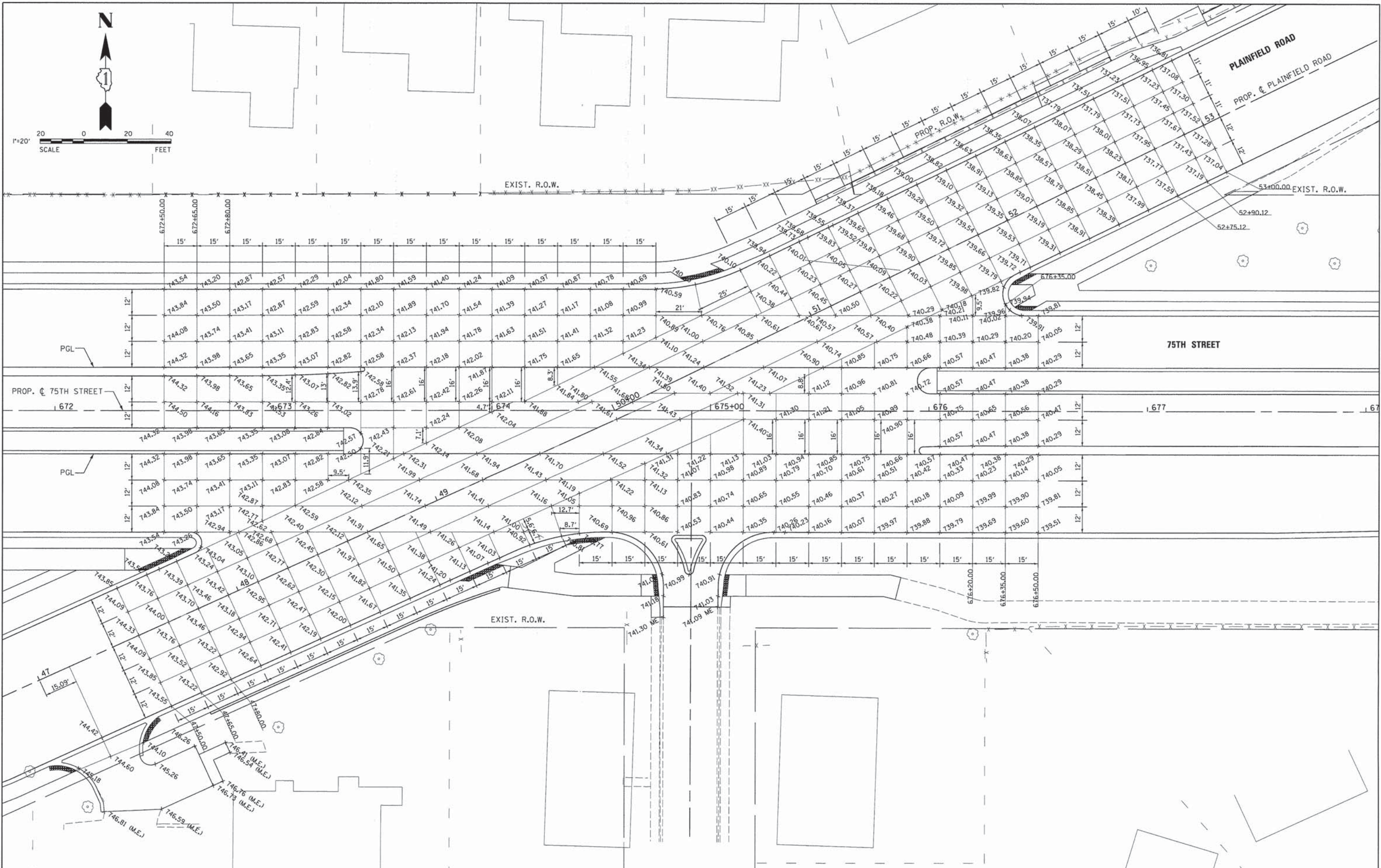
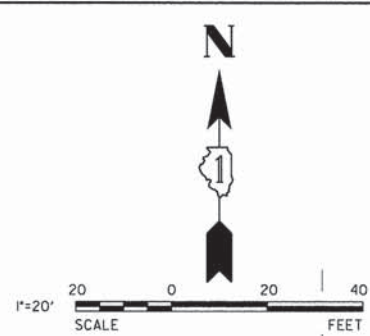
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REVISD - ---

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**75TH STREET**  
**INTERSECTION DETAIL: 75TH STREET & CASS AVENUE**  
SCALE: 1"=20' SHEET NO. 2 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PV	DU PAGE	285	142
CONTRACT NO. 63851				
FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT				





V3 Companies  
 7325 Janes Avenue  
 Woodridge, IL 60517  
 630.724.9200 phone  
 630.724.9202 fax  
 www.v3co.com

USER NAME = #USER#  
 DESIGNED - JDH  
 DRAWN - DRP  
 CHECKED - VJD  
 DATE - 03/04/13

REVISED - ---  
 REVISED - ---  
 REVISED - ---  
 REVISED - ---

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

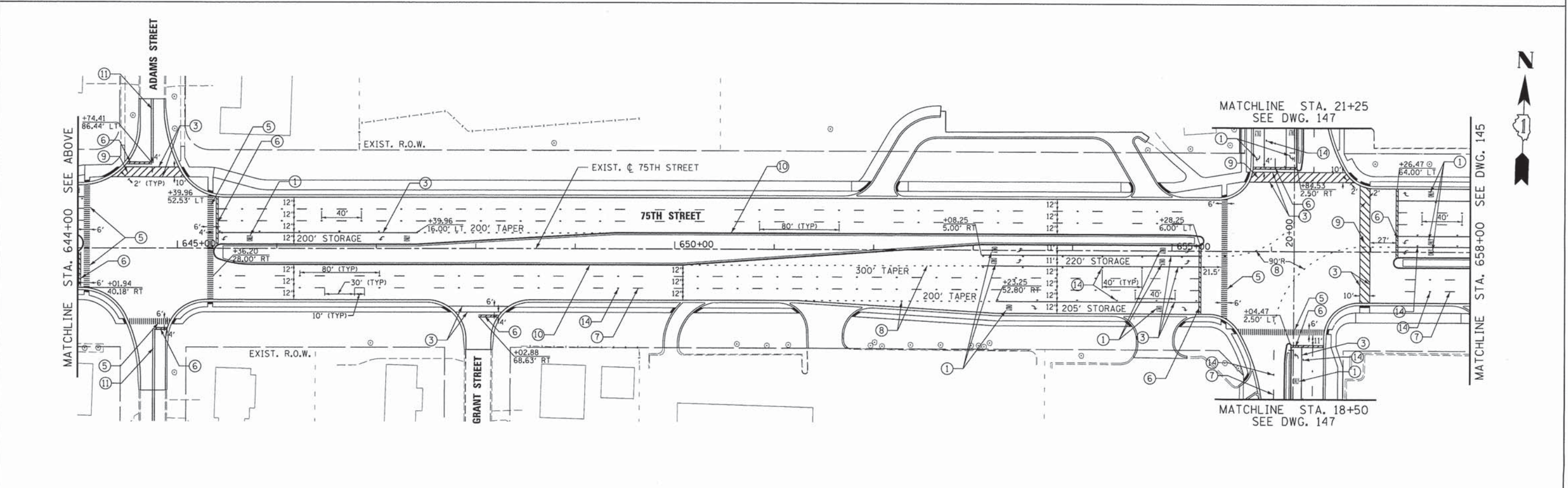
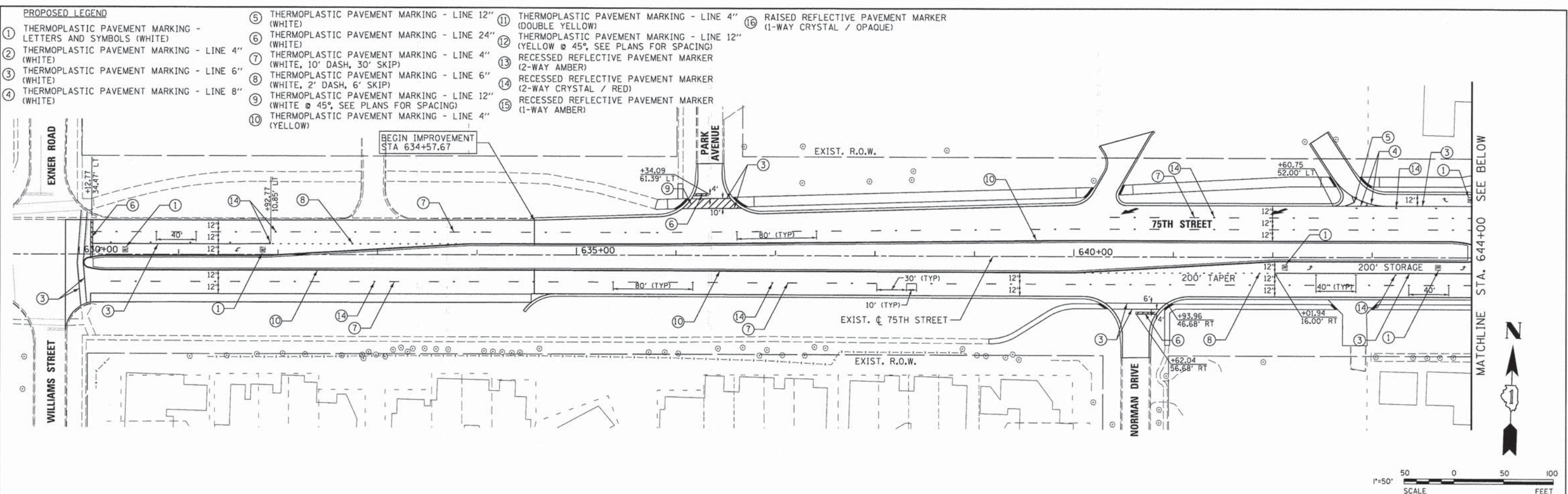
**75TH STREET  
 INTERSECTION DETAIL: 75TH STREET & PLAINFIELD ROAD**

SCALE: 1"=20' SHEET NO. 4 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PV	DU PAGE	285	143
CONTRACT NO. 63851				

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT



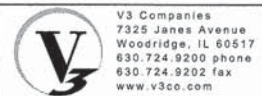
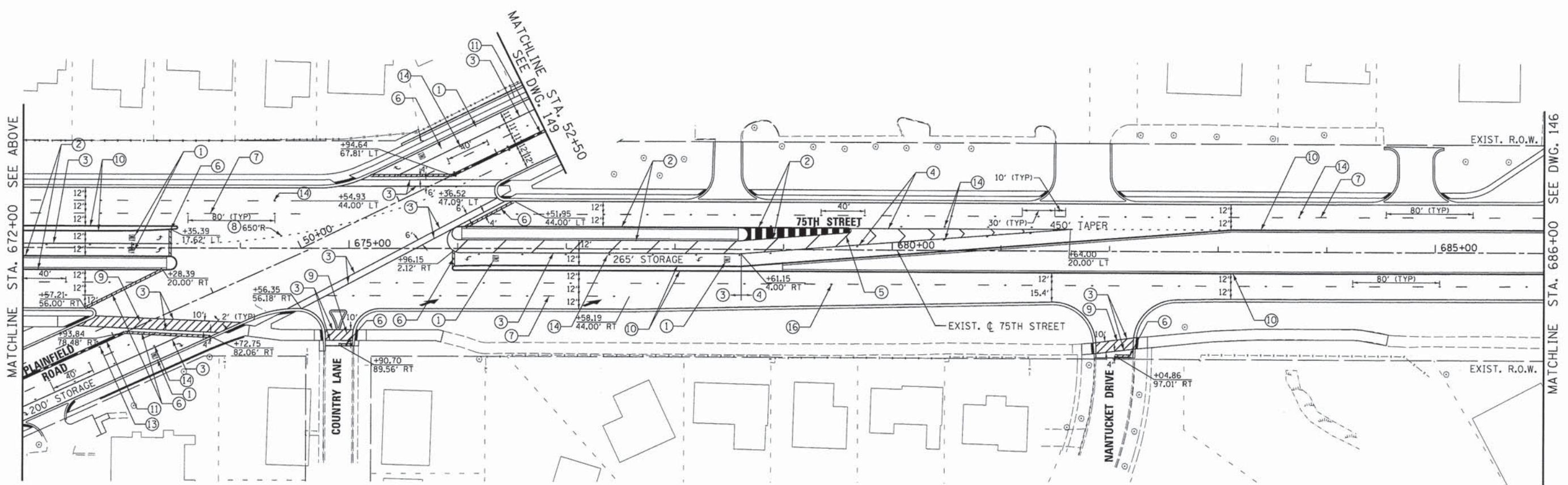
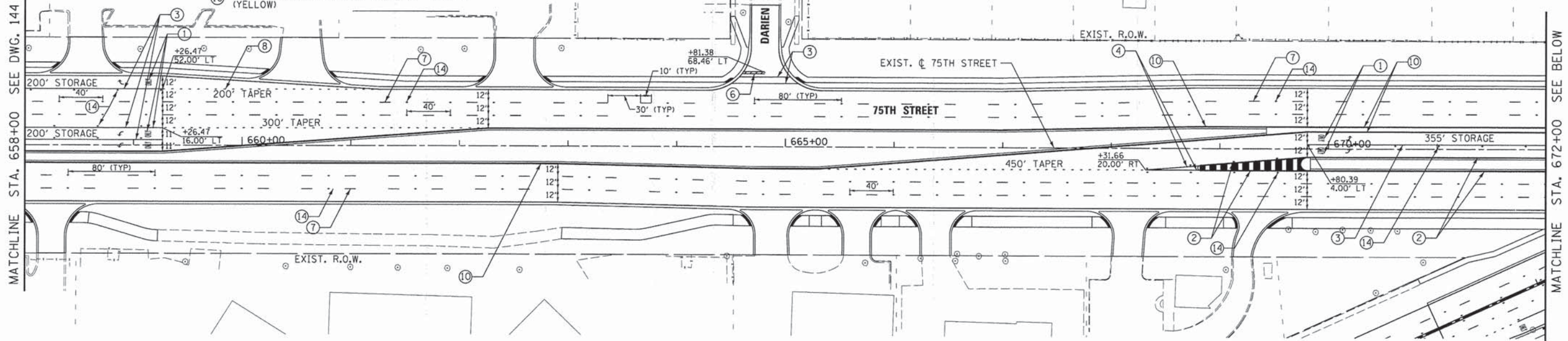


V3 Companies 7325 Janes Avenue Woodridge, IL 60517 630.724.9200 phone 630.724.9202 fax www.v3co.com	USER NAME = #USER# PLOT SCALE = #SCALE# PLOT DATE = #DATE#	DESIGNED - JDH DRAWN - DRP CHECKED - VJD DATE - 03/04/13	REVISED - --- REVISED - --- REVISED - --- REVISED - ---	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>		<b>PAVEMENT MARKING PLANS</b> <b>75TH STREET</b>		F.A.P. RTE. 0369 SECTION 12-00233-07-PV COUNTY DU PAGE TOTAL SHEETS 285 SHEET NO. 144 CONTRACT NO. 63851
	SCALE: 1"=50' SHEET NO. 1 OF 6 SHEETS STA. 630+00 TO STA. 658+00				FEDERAL ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT			



**PROPOSED LEGEND**

- ① THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE)
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE)
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE)
- ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE)
- ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE, 10' DASH, 30' SKIP)
- ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE, 2' DASH, 6' SKIP)
- ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE @ 45°, SEE PLANS FOR SPACING)
- ⑩ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW)
- ⑪ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)
- ⑫ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW @ 45°, SEE PLANS FOR SPACING)
- ⑬ RECESSED REFLECTIVE PAVEMENT MARKER (2-WAY AMBER)
- ⑭ RECESSED REFLECTIVE PAVEMENT MARKER (2-WAY CRYSTAL / RED)
- ⑮ RECESSED REFLECTIVE PAVEMENT MARKER (1-WAY AMBER)
- ⑯ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY CRYSTAL / OPAQUE)



V3 Companies  
7325 Janes Avenue  
Woodridge, IL 60517  
630.724.9200 phone  
630.724.9202 fax  
www.v3co.com

USER NAME = #USER#	DESIGNED - JDH	REVISED - ---
PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED - ---
PLOT DATE = #DATE#	CHECKED - VJD	REVISED - ---
	DATE - 03/04/13	REVISED - ---

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLANS  
75TH STREET**

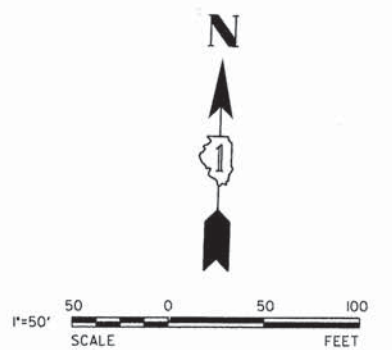
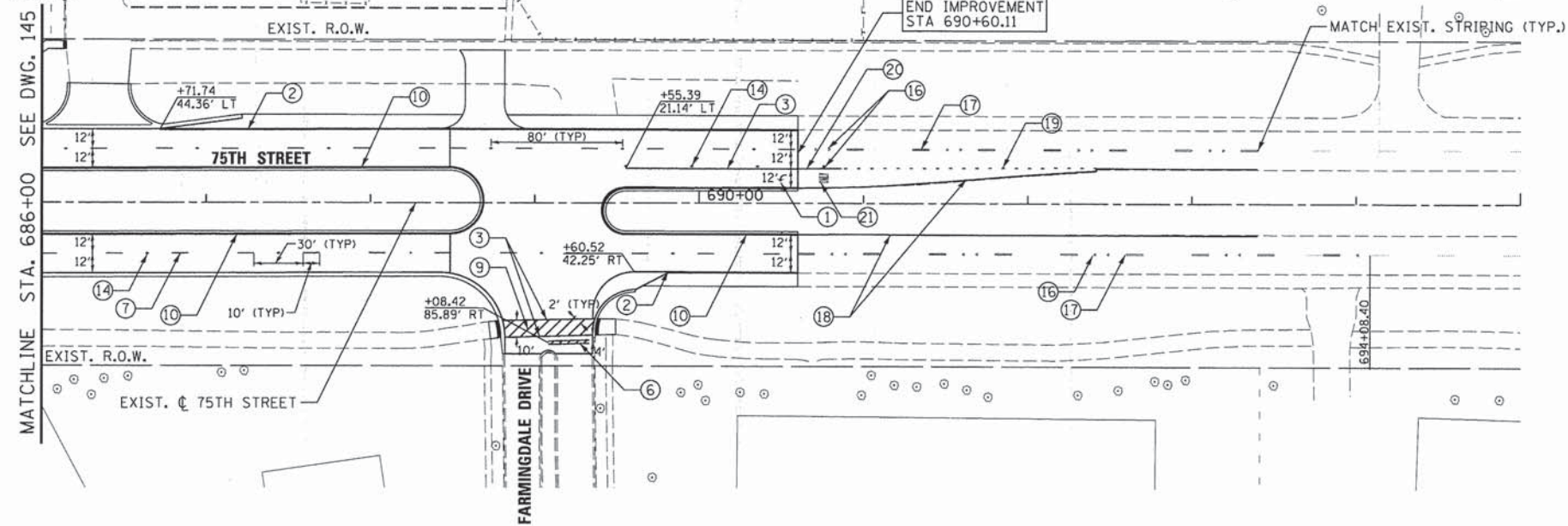
SCALE: 1"=50' SHEET NO. 2 OF 6 SHEETS STA. 658+00 TO STA. 686+00

F.A.P. RTE. 0369	SECTION 12-00233-07-PV	COUNTY DU PAGE	TOTAL SHEETS 285	SHEET NO. 145
CONTRACT NO. 63851				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				



**PROPOSED LEGEND**

- ① THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE)
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE)
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE)
- ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE)
- ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE, 10' DASH, 30' SKIP)
- ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE, 2' DASH, 6' SKIP)
- ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE @ 45°, SEE PLANS FOR SPACING)
- ⑩ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW)
- ⑪ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)
- ⑫ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW @ 45°, SEE PLANS FOR SPACING)
- ⑬ RECESSED REFLECTIVE PAVEMENT MARKER (2-WAY AMBER)
- ⑭ RECESSED REFLECTIVE PAVEMENT MARKER (2-WAY CRYSTAL / RED)
- ⑮ RECESSED REFLECTIVE PAVEMENT MARKER (1-WAY AMBER)
- ⑯ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY CRYSTAL / OPAQUE)
- ⑰ POLYUREA PAVEMENT MARKING TYPE 1 - LINE 4" (WHITE, 10' DASH, 30' SKIP)
- ⑱ POLYUREA PAVEMENT MARKING TYPE 1 - LINE 4" (YELLOW)
- ⑲ POLYUREA PAVEMENT MARKING - LINE 6" (WHITE, 2' DASH, 6' SKIP)
- ⑳ POLYUREA PAVEMENT MARKING TYPE 1 - LINE 6" (WHITE)
- ㉑ POLYUREA PAVEMENT MARKING TYPE 1 - LETTERS AND SYMBOLS



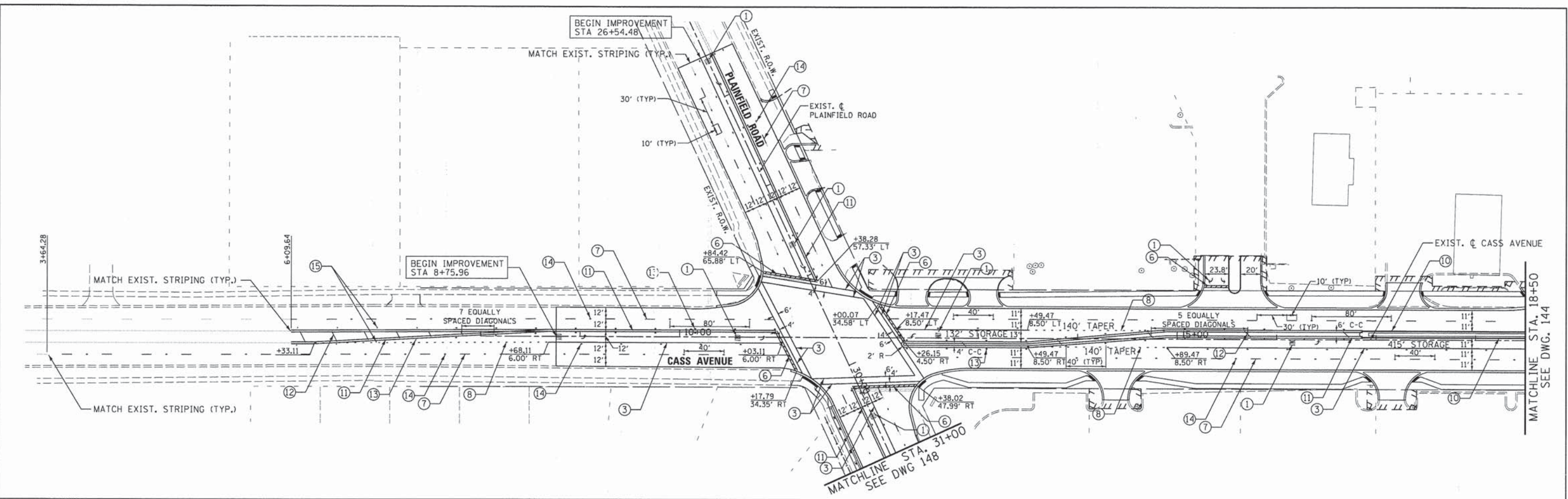
V3 Companies 7325 Janes Avenue Woodridge, IL 60517 630.724.9200 phone 630.724.9202 fax www.v3co.com	USER NAME = #USER#	DESIGNED - JDH	REVISED - ---
	PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED - ---
	PLOT DATE = #DATE#	CHECKED - VJD	REVISED - ---
		DATE - 03/04/13	REVISED - ---

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

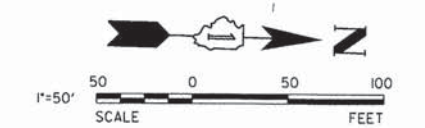
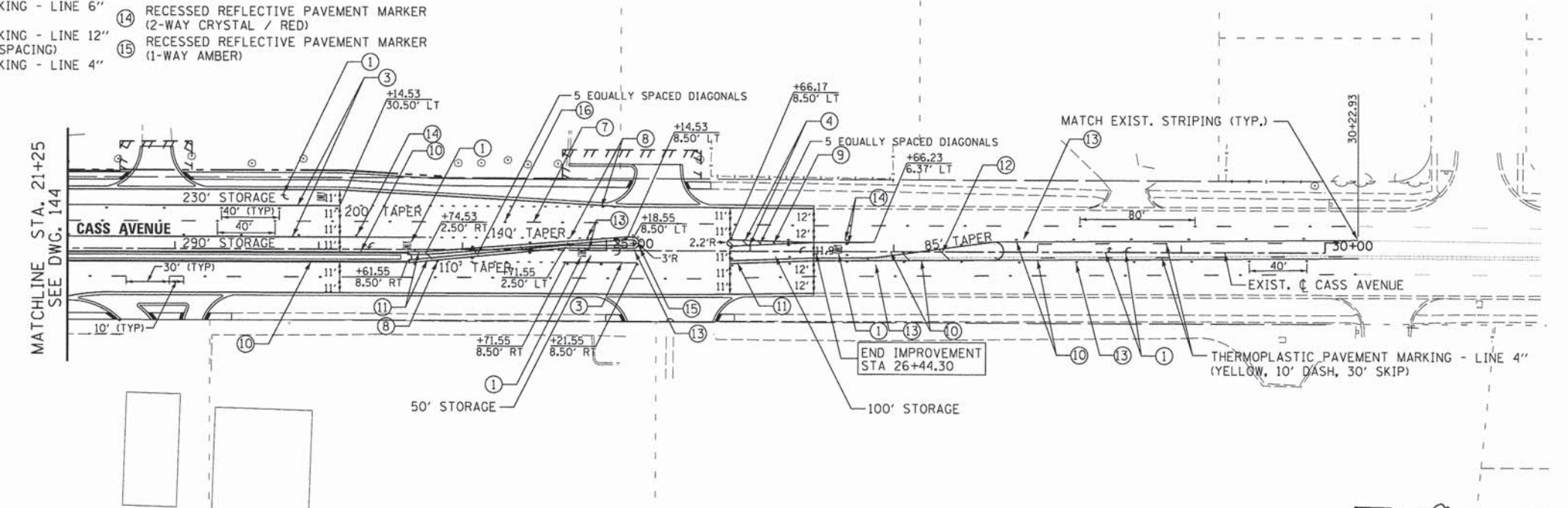
<b>PAVEMENT MARKING PLANS</b>	
<b>75TH STREET</b>	
SCALE: 1"=50'	SHEET NO. 3 OF 6 SHEETS   STA. 686+00 TO STA. 695+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PV	DU PAGE	285	146
CONTRACT NO. 63851				
FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT				





- PROPOSED LEGEND**
- ① THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
  - ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE)
  - ③ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE)
  - ④ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE)
  - ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE)
  - ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE)
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  - ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE @ 45°, SEE PLANS FOR SPACING)
  - ⑩ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW)
  - ⑪ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)
  - ⑫ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW @ 45°, SEE PLANS FOR SPACING)
  - ⑬ RECESSED REFLECTIVE PAVEMENT MARKER (2-WAY AMBER)
  - ⑭ RECESSED REFLECTIVE PAVEMENT MARKER (2-WAY CRYSTAL / RED)
  - ⑮ RECESSED REFLECTIVE PAVEMENT MARKER (1-WAY AMBER)
  - ⑯ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY CRYSTAL / OPAQUE)



USER NAME = #USER#	DESIGNED - JDH	REVISED - ---
PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED - ---
PLOT DATE = #DATE#	CHECKED - VJD	REVISED - ---
	DATE - 03/04/13	REVISED - ---

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLANS  
CASS AVENUE**

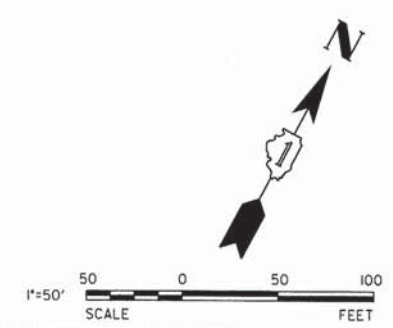
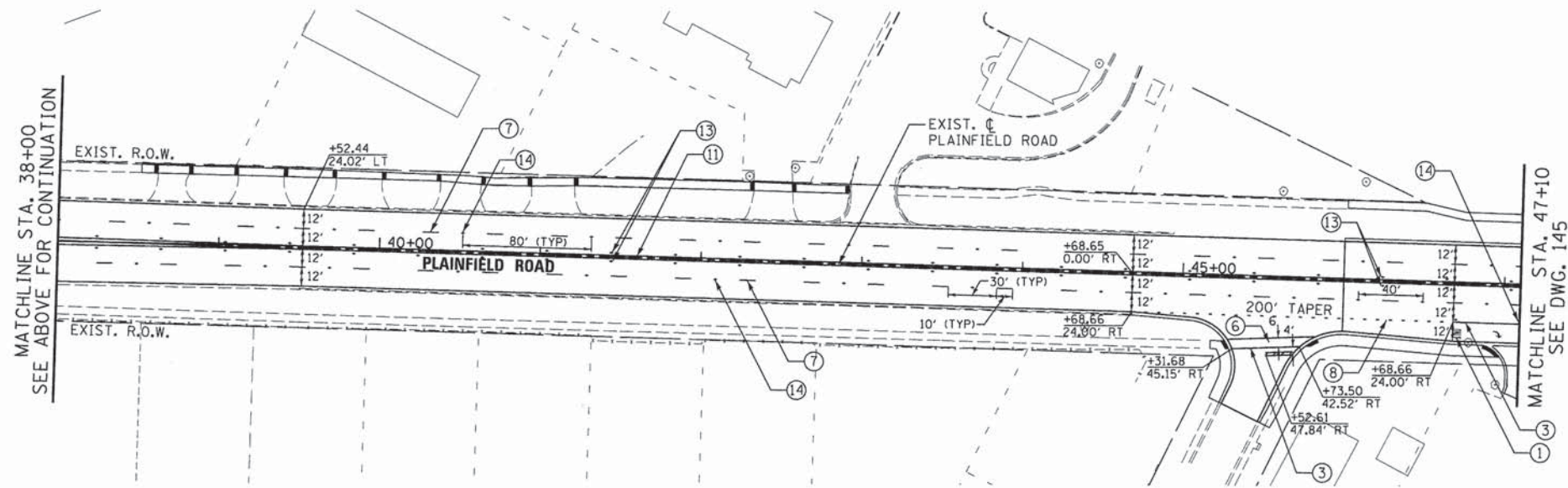
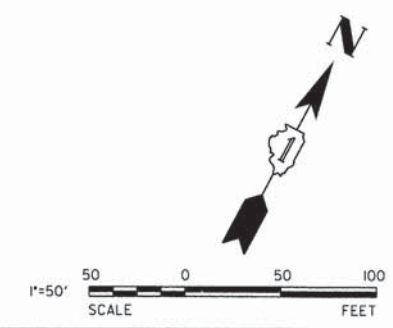
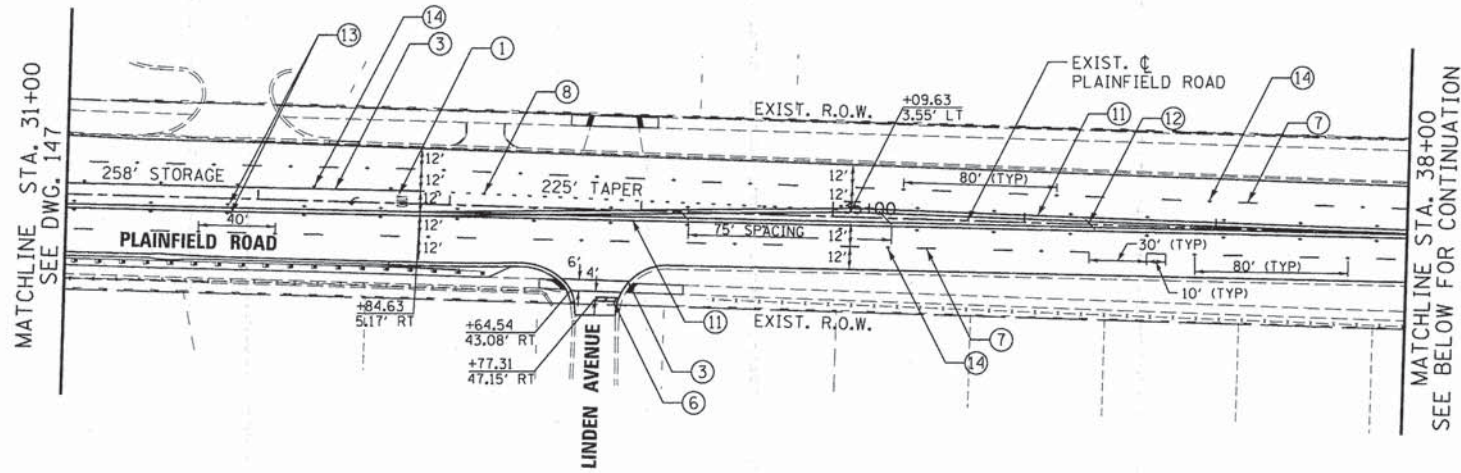
SCALE: 1"=50' SHEET NO. 4 OF 6 SHEETS STA. 08+00 TO STA. 30+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PV	DU PAGE	285	147
				CONTRACT NO. 63851
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



**PROPOSED LEGEND**

- ① THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)
- ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE)
- ③ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE)
- ④ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE)
- ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE)
- ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE)
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- ⑬ RECESSED REFLECTIVE PAVEMENT MARKER (2-WAY AMBER)
- ⑭ RECESSED REFLECTIVE PAVEMENT MARKER (2-WAY CRYSTAL / RED)
- ⑮ RECESSED REFLECTIVE PAVEMENT MARKER (1-WAY AMBER)
- ⑯ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY CRYSTAL / OPAQUE)



V3 Companies 7325 Janes Avenue Woodridge, IL 60517 630.724.9200 phone 630.724.9202 fax www.v3co.com	USER NAME = #USER#	DESIGNED - JDH	REVISED - ---
PLOT SCALE = #SCALE#	DRAWN - DRP	REVISOR - ---	REVISOR - ---
PLOT DATE = #DATE#	CHECKED - VJD	REVISOR - ---	REVISOR - ---
	DATE - 03/04/13	REVISOR - ---	REVISOR - ---

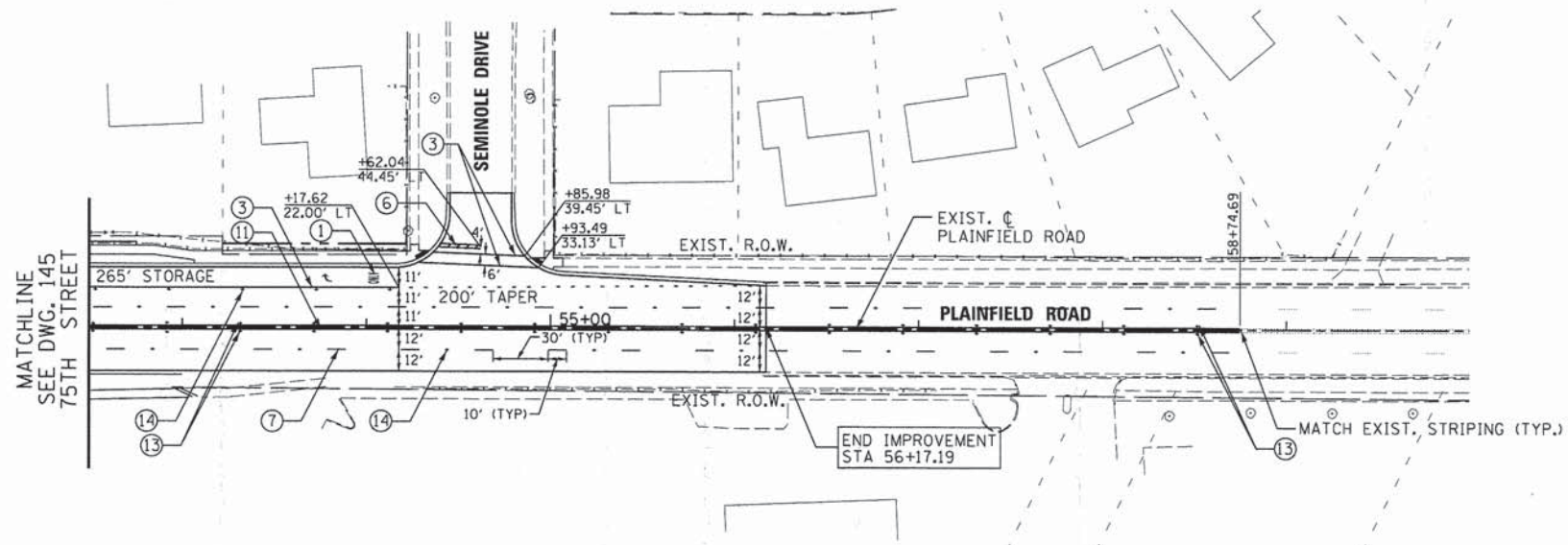
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLANS  
PLAINFIELD ROAD**

SCALE: 1"=50' SHEET NO. 5 OF 6 SHEETS STA. 31+00 TO STA. 48+10

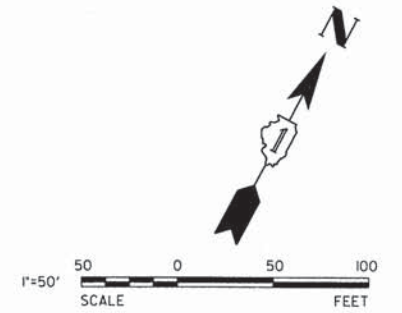
F.A.P. RTE. 0369	SECTION 12-00233-07-PV	COUNTY DU PAGE	TOTAL SHEETS 285	SHEET NO. 148
CONTRACT NO. 63851				
FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT				





**PROPOSED LEGEND**

- |  |  |   |  |
|--|--|---|--|
| ① THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE) | ⑤ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE)                              | ⑪ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW)                        | ⑬ RECESSED REFLECTIVE PAVEMENT MARKER (2-WAY AMBER)          |
| ② THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE)             | ⑥ THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE)                              | ⑫ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW @ 45°, SEE PLANS FOR SPACING) | ⑭ RECESSED REFLECTIVE PAVEMENT MARKER (2-WAY CRYSTAL / RED)  |
| ③ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE)             | ⑦ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE, 10' DASH, 30' SKIP)           | ⑬ RECESSED REFLECTIVE PAVEMENT MARKER (2-WAY AMBER)                               | ⑮ RECESSED REFLECTIVE PAVEMENT MARKER (1-WAY AMBER)          |
| ④ THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE)             | ⑧ THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE, 2' DASH, 6' SKIP)             | ⑯ RECESSED REFLECTIVE PAVEMENT MARKER (1-WAY AMBER)                               |  |
|  | ⑨ THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE @ 45°, SEE PLANS FOR SPACING) |   |  |
|  | ⑩ THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW)                              |   |  |
|  |  | ⑯ RECESSED REFLECTIVE PAVEMENT MARKER (1-WAY AMBER)                               |  |
|  |  |   | ⑰ RAISED REFLECTIVE PAVEMENT MARKER (1-WAY CRYSTAL / OPAQUE) |



USER NAME = #USER#	DESIGNED - JDH	REVISED - ---
PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED - ---
PLOT DATE = #DATE#	CHECKED - VJD	REVISED - ---
	DATE - 03/04/13	REVISED - ---

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**




**PAVEMENT MARKING PLANS  
PLAINFIELD ROAD**

SCALE: 1"=50' SHEET NO. 6 OF 6 SHEETS STA. 52+50 TO STA. 60+00

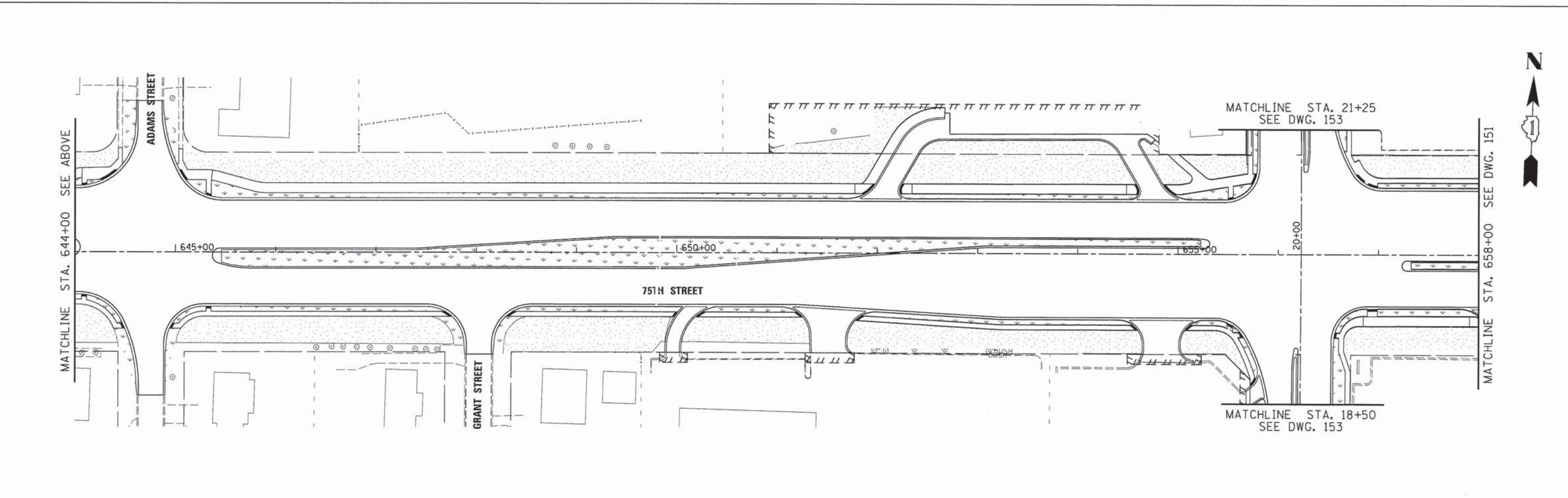
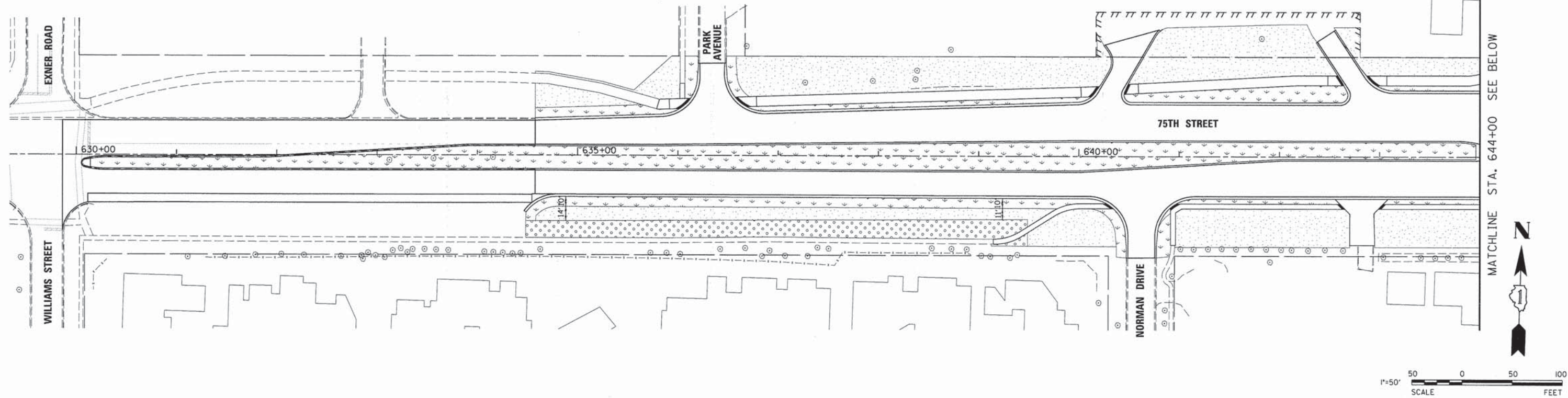
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PV	DU PAGE	285	149
				CONTRACT NO. 63851
FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT				



**LEGEND**

-  SODDING (SALT TOLERANT) WITH TOPSOIL FURNISH AND PLACE, 6"
-  SODDING WITH TOPSOIL FURNISH AND PLACE, 6"
-  SEEDING (SALT TOLERANT ROADSIDE MIXTURE, CLASS 2A) WITH TEMPORARY EROSION CONTROL BLANKET AND TOPSOIL FURNISH AND PLACE, 6"

NOTES:  
1. TREE REPLACEMENT BY OTHERS.



USER NAME = #USER#	DESIGNED - JDH	REVISED - ---
PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED - ---
PLOT DATE = #DATE#	CHECKED - VJD	REVISED - ---
	DATE - 03/04/13	REVISED - ---

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LANDSCAPING PLANS  
75TH STREET**




SCALE: 1"=50' SHEET NO. 1 OF 5 SHEETS STA. 630+00 TO STA. 658+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PV	DU PAGE	285	150
CONTRACT NO. 63851				

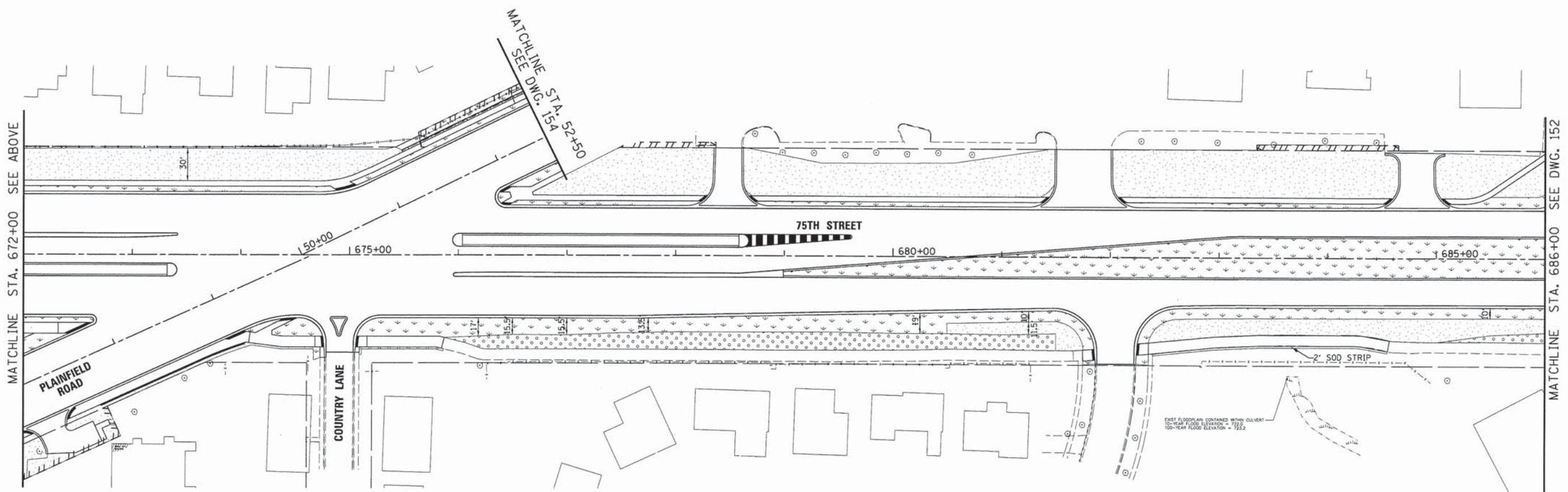
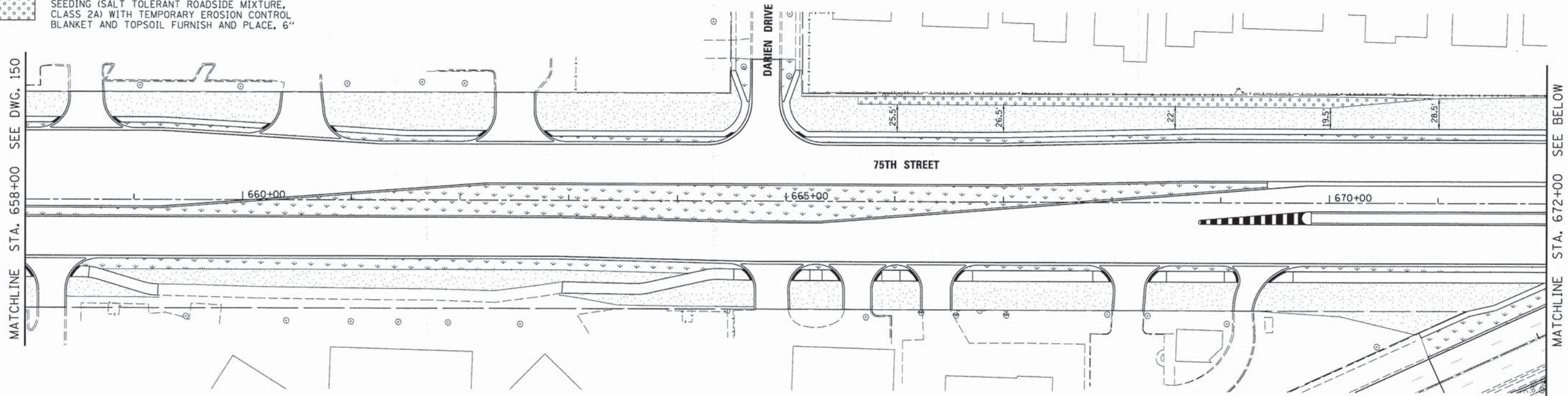
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT



**LEGEND**

-  SODDING (SALT TOLERANT) WITH TOPSOIL FURNISH AND PLACE, 6"
-  SODDING WITH TOPSOIL FURNISH AND PLACE, 6"
-  SEEDING (SALT TOLERANT ROADSIDE MIXTURE, CLASS 2A) WITH TEMPORARY EROSION CONTROL BLANKET AND TOPSOIL FURNISH AND PLACE, 6"

NOTES:  
1. TREE REPLACEMENT BY OTHERS.



MATCHLINE STA. 672+00 SEE ABOVE

MATCHLINE STA. 686+00 SEE DWG. 152



USER NAME = #USER#  
PLOT SCALE = #SCALE#  
PLOT DATE = #DATE#

DESIGNED - JDH  
DRAWN - DRP  
CHECKED - VJD  
DATE - 03/04/13

REVISED - ---  
REVISED - ---  
REVISED - ---  
REVISED - ---

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LANDSCAPING PLANS  
75TH STREET**

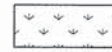
SCALE: 1"=50' SHEET NO. 2 OF 5 SHEETS STA. 658+00 TO STA. 686+00

F.A.P. RTE. 0369	SECTION 12-00233-07-PV	COUNTY DU PAGE	TOTAL SHEETS 285	SHEET NO. 151
CONTRACT NO. 63851				

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT



**LEGEND**



SODDING (SALT TOLERANT) WITH TOPSOIL FURNISH AND PLACE, 6"

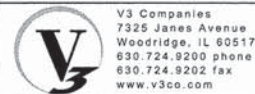
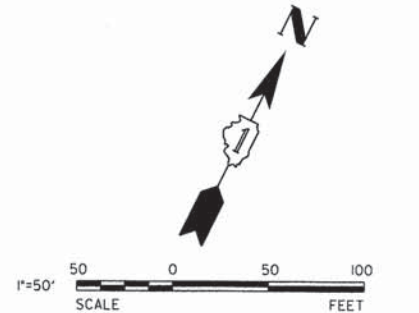
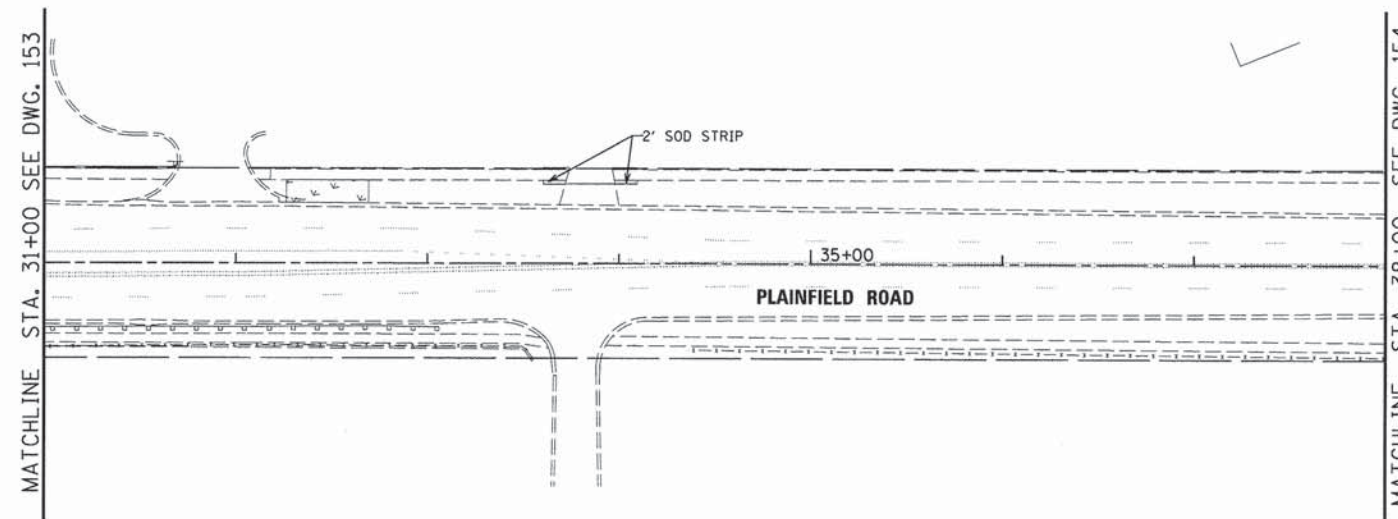
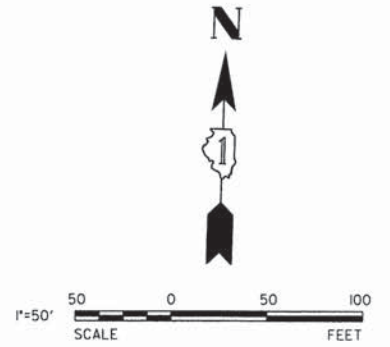
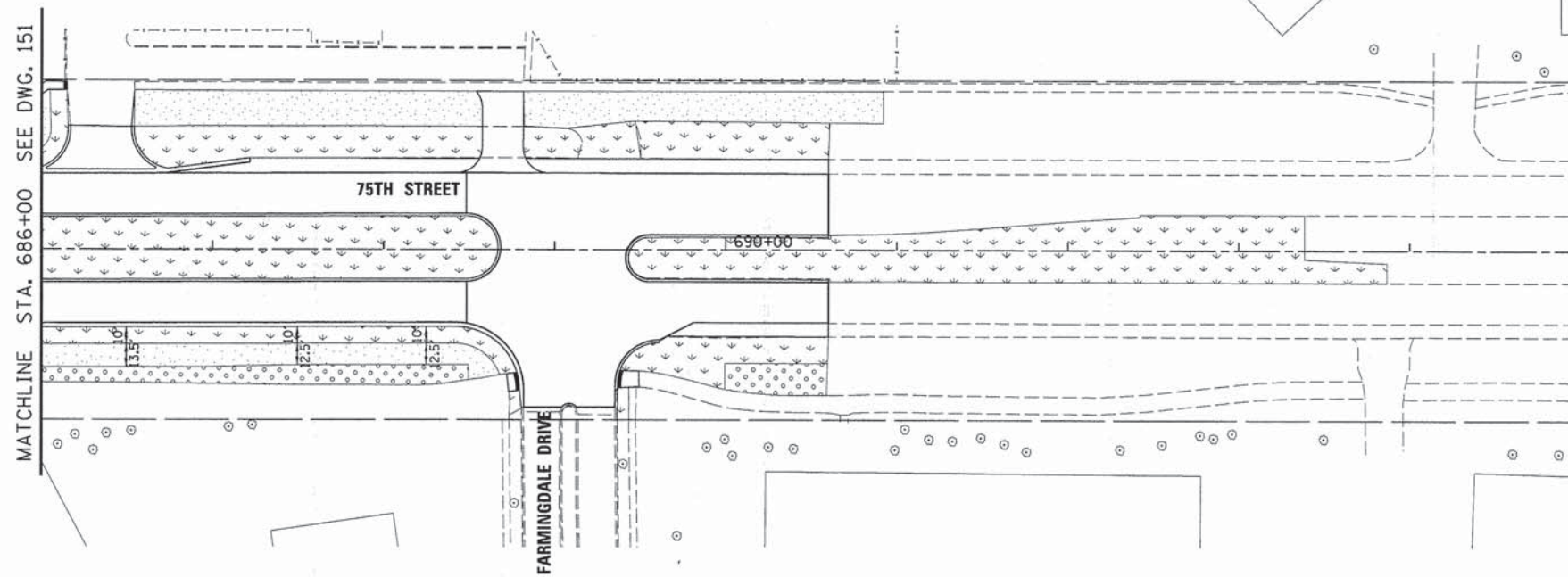


SODDING WITH TOPSOIL FURNISH AND PLACE, 6"



SEEDING (SALT TOLERANT ROADSIDE MIXTURE, CLASS 2A) WITH TEMPORARY EROSION CONTROL BLANKET AND TOPSOIL FURNISH AND PLACE, 6"

NOTES:  
1. TREE REPLACEMENT BY OTHERS.



USER NAME = #USER#  
PLLOT SCALE = #SCALE#  
PLOT DATE = #DATE#

DESIGNED - JDH  
DRAWN - DRP  
CHECKED - VJD  
DATE - 03/04/13

REVISED - ---  
REVISED - ---  
REVISED - ---  
REVISED - ---

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

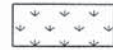
**LANDSCAPING PLANS  
75TH STREET / PLAINFIELD ROAD**

SCALE: 1"=50' SHEET NO. 3 OF 5 SHEETS STA. 686+00 TO STA. 695+00

F.A.P. RTE. 0369	SECTION 12-00233-07-PV	COUNTY DU PAGE	TOTAL SHEETS 285	SHEET NO. 152
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63851	



**LEGEND**



SODDING (SALT TOLERANT) WITH TOPSOIL FURNISH AND PLACE, 6"

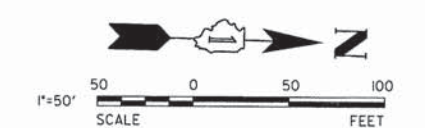
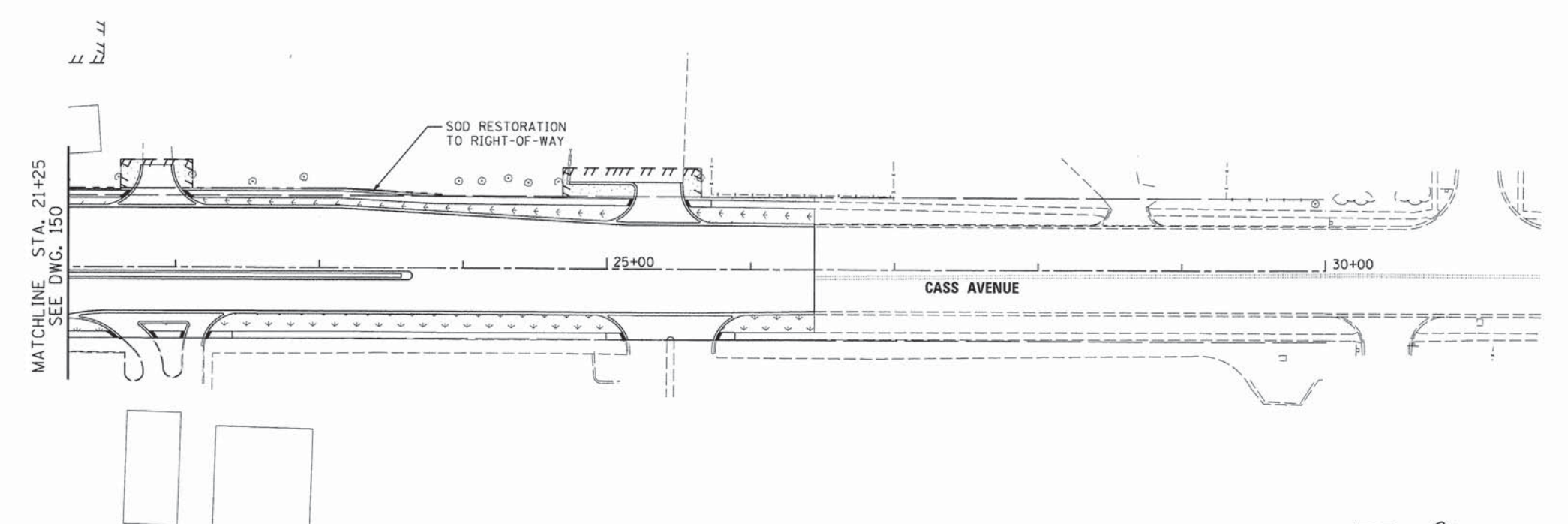
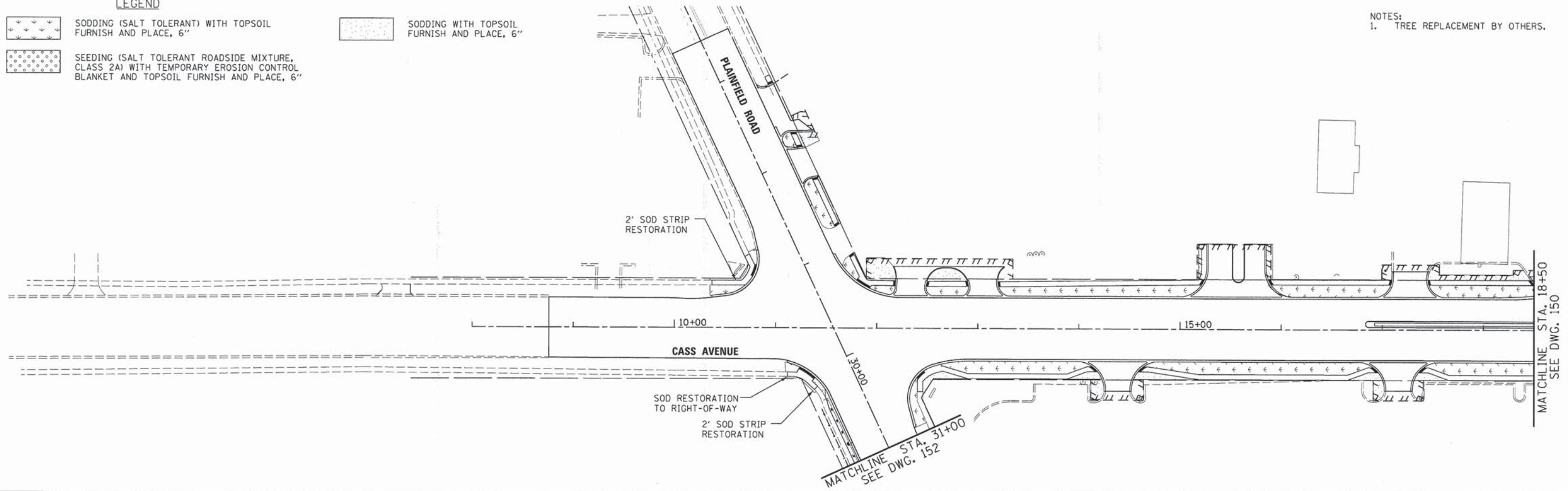


SODDING WITH TOPSOIL FURNISH AND PLACE, 6"



SEEDING (SALT TOLERANT ROADSIDE MIXTURE, CLASS 2A) WITH TEMPORARY EROSION CONTROL BLANKET AND TOPSOIL FURNISH AND PLACE, 6"

NOTES:  
1. TREE REPLACEMENT BY OTHERS.



USER NAME = #USER#	DESIGNED - JDH	REVISED - ---
PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED - ---
PLOT DATE = #DATE#	CHECKED - VJD	REVISED - ---
	DATE - 03/04/13	REVISED - ---

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

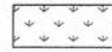
**LANDSCAPING PLANS  
CASS AVENUE**

SCALE: 1"=50'    SHEET NO. 4 OF 5 SHEETS    STA. 08+00 TO STA. 30+00

F.A.P. RTE. 0369	SECTION 12-00233-07-PV	COUNTY DU PAGE	TOTAL SHEETS 285	SHEET NO. 153
CONTRACT NO. 63851				
FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT				



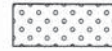
**LEGEND**



SODDING (SALT TOLERANT) WITH TOPSOIL FURNISH AND PLACE, 6"

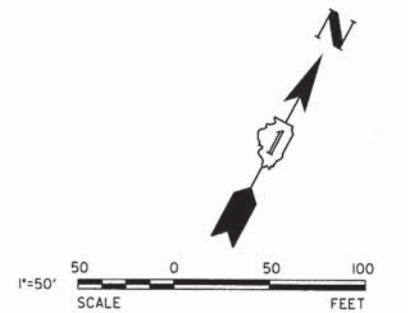
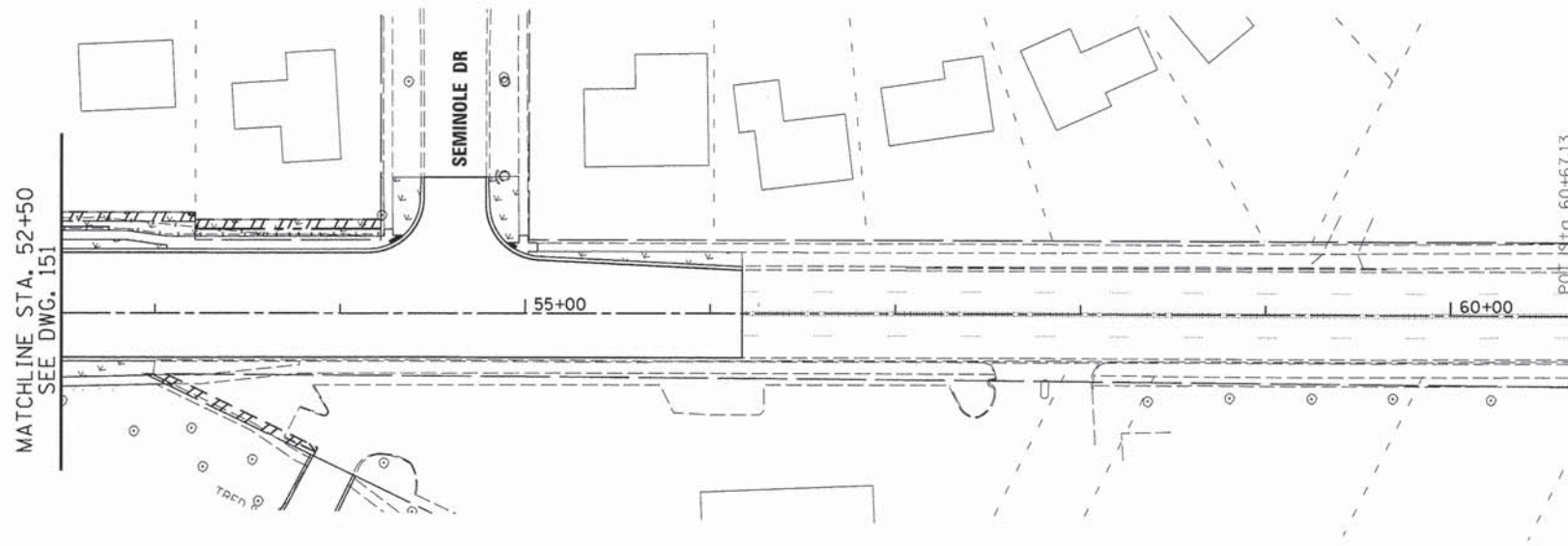
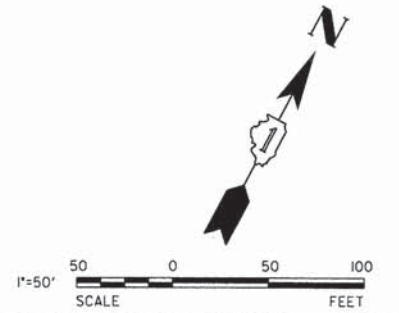
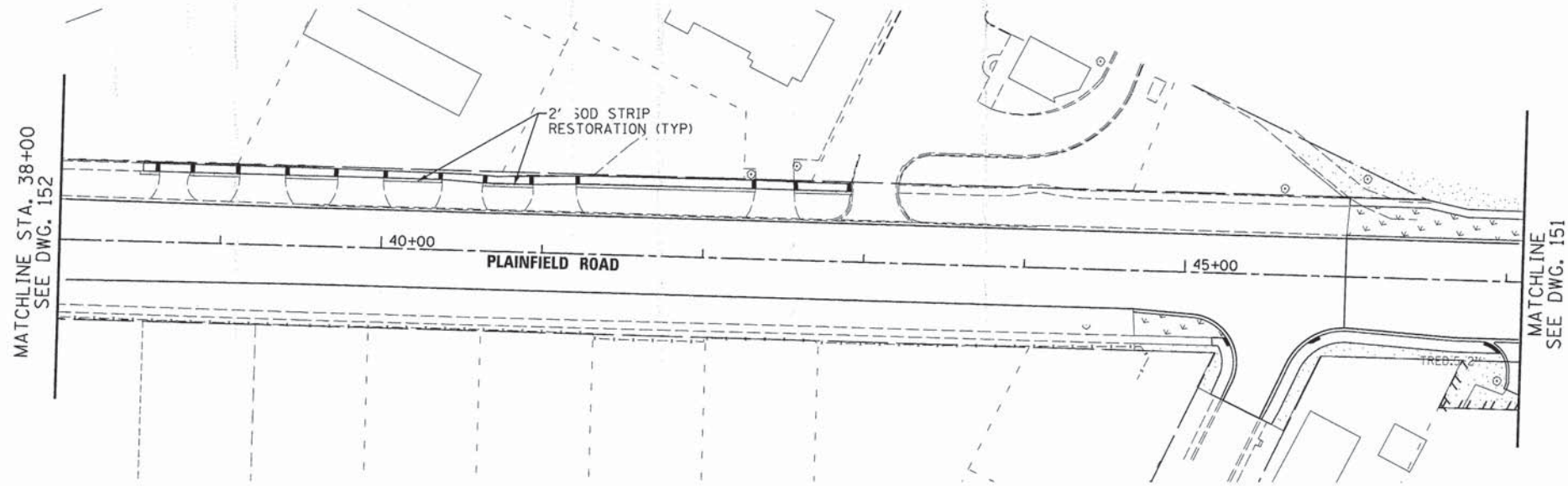


SODDING WITH TOPSOIL FURNISH AND PLACE, 6"



SEEDING (SALT TOLERANT ROADSIDE MIXTURE, CLASS 2A) WITH TEMPORARY EROSION CONTROL BLANKET AND TOPSOIL FURNISH AND PLACE, 6"

NOTES:  
1. TREE REPLACEMENT BY OTHERS.



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USER NAME = #USER#	DESIGNED - JDH	REVISED - ---
PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED - ---
PLOT DATE = #DATE#	CHECKED - VJD	REVISED - ---
	DATE - 03/04/13	REVISED - ---

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**LANDSCAPING PLANS  
PLAINFIELD ROAD**

SCALE: 1"=50' SHEET NO. 5 OF 5 SHEETS STA. 38+00 TO STA. 60+60

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PV	DU PAGE	285	154
CONTRACT NO. 63851				

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT



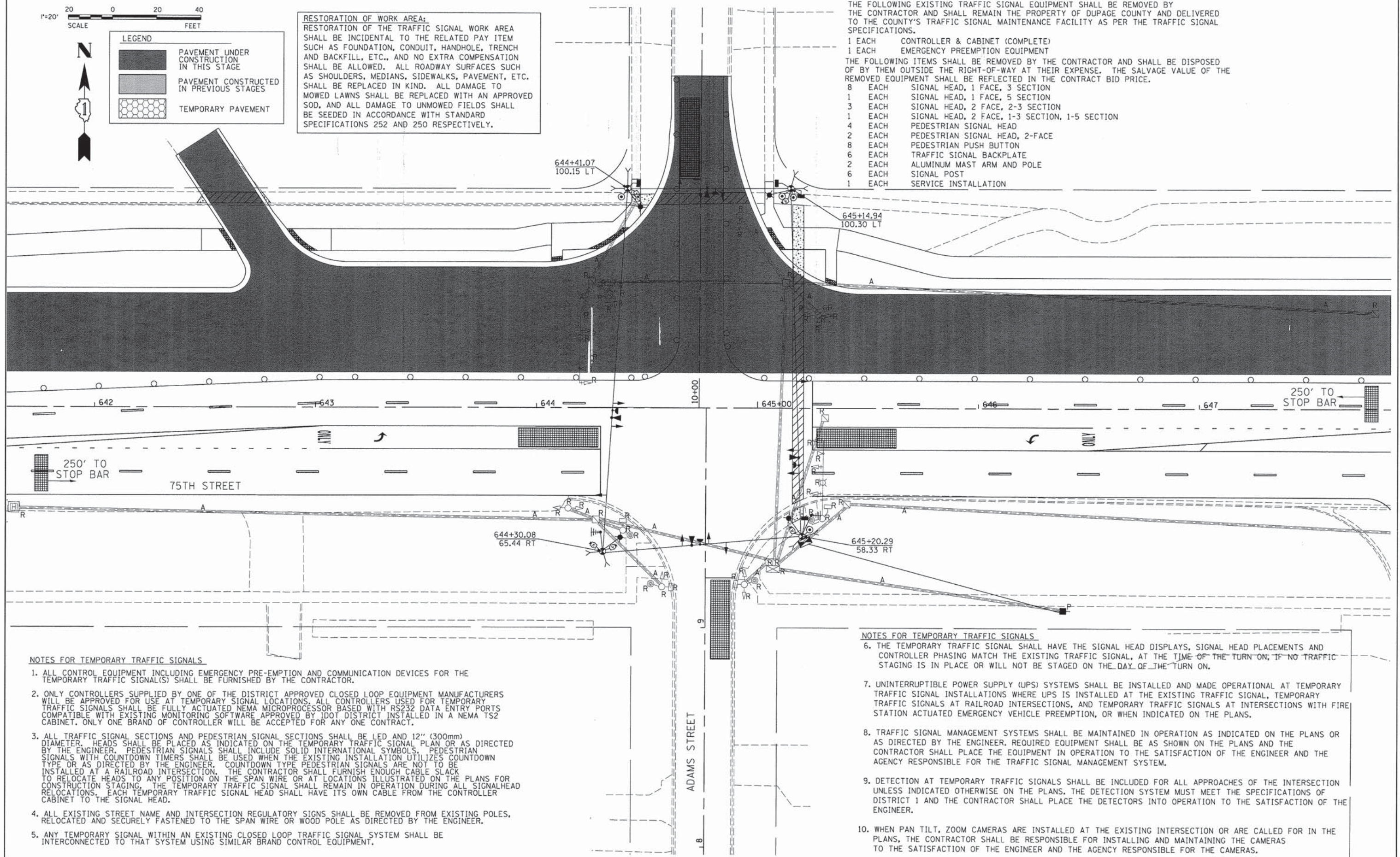


**LEGEND**

	PAVEMENT UNDER CONSTRUCTION IN THIS STAGE
	PAVEMENT CONSTRUCTED IN PREVIOUS STAGES
	TEMPORARY PAVEMENT

**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.

- THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF DUPAGE COUNTY AND DELIVERED TO THE COUNTY'S TRAFFIC SIGNAL MAINTENANCE FACILITY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.
- 1 EACH CONTROLLER & CABINET (COMPLETE)
  - 1 EACH EMERGENCY PREEMPTION EQUIPMENT
- 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.
- 8 EACH SIGNAL HEAD, 1 FACE, 3 SECTION
  - 1 EACH SIGNAL HEAD, 1 FACE, 5 SECTION
  - 3 EACH SIGNAL HEAD, 2 FACE, 2-3 SECTION
  - 1 EACH SIGNAL HEAD, 2 FACE, 1-3 SECTION, 1-5 SECTION
  - 4 EACH PEDESTRIAN SIGNAL HEAD
  - 2 EACH PEDESTRIAN SIGNAL HEAD, 2-FACE
  - 8 EACH PEDESTRIAN PUSH BUTTON
  - 6 EACH TRAFFIC SIGNAL BACKPLATE
  - 2 EACH ALUMINUM MAST ARM AND POLE
  - 6 EACH SIGNAL POST
  - 1 EACH SERVICE INSTALLATION



**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 TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 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 SIGNALHEAD 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.

**NOTES FOR TEMPORARY TRAFFIC SIGNALS**

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 PREEMPTION, 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 SPECIFICATIONS 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.



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 PLOT DATE = #DATE#

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 DRAWN - DRP  
 CHECKED - VJD  
 DATE - 03/04/13

REVISED - ---  
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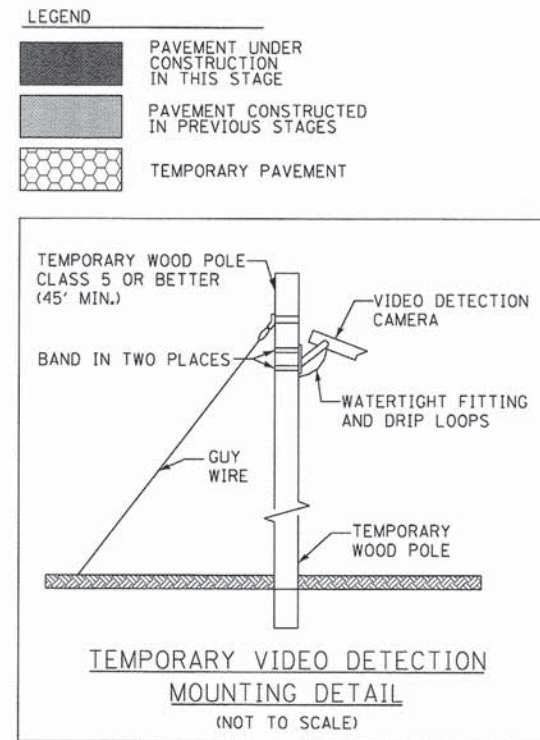
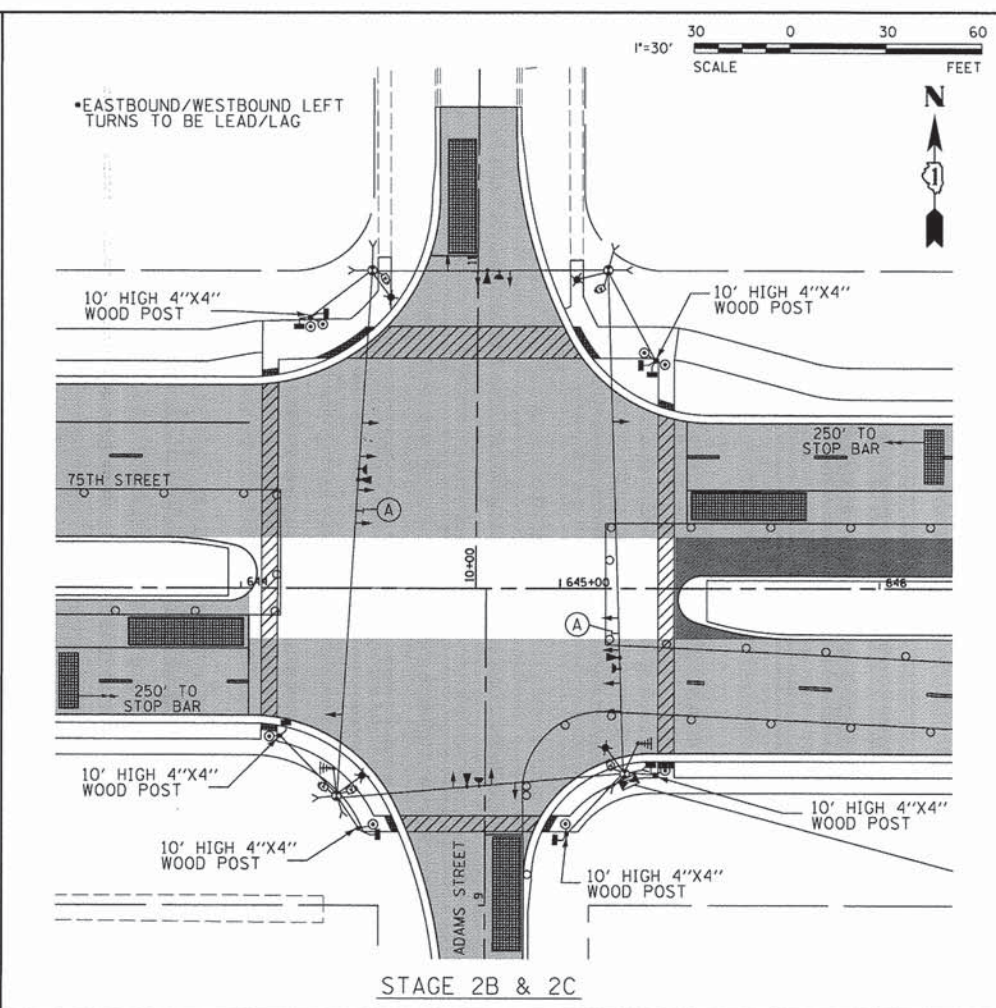
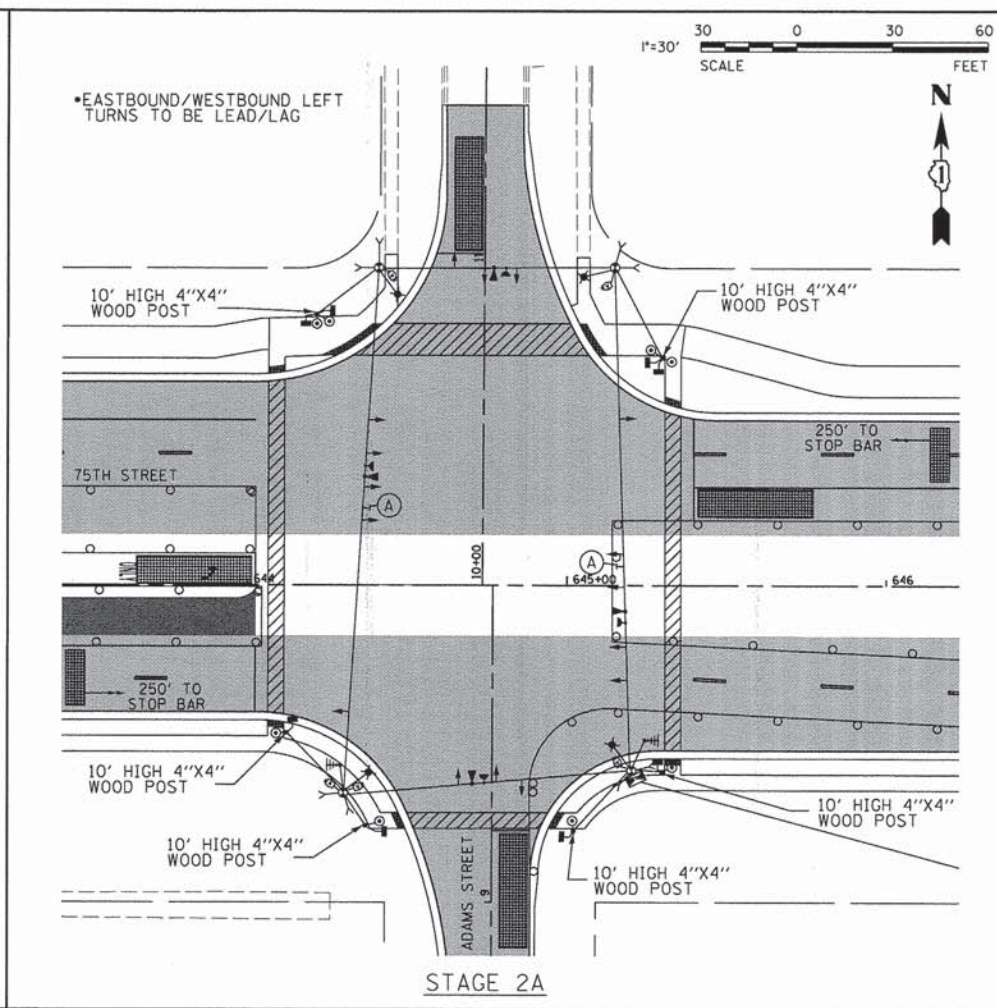
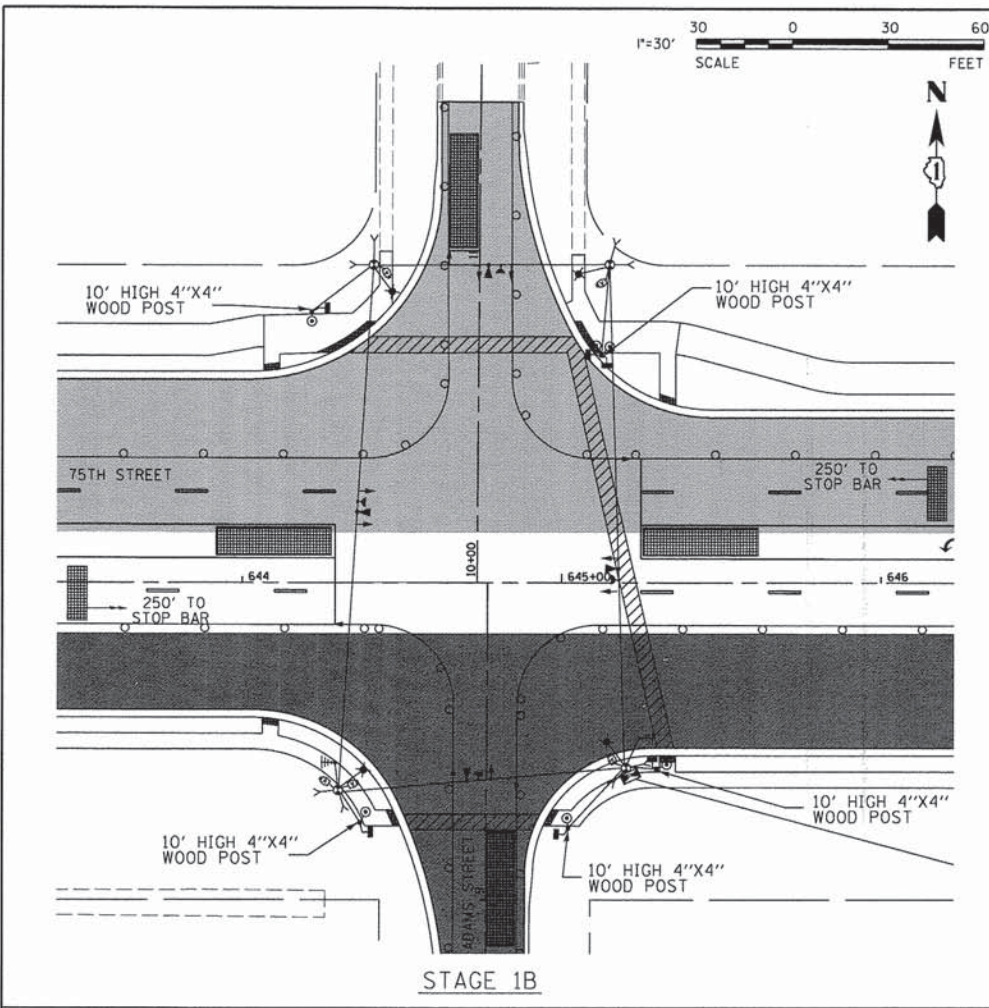
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVE EXISTING  
 TRAFFIC SIGNAL EQUIPMENT PLAN - STAGE 1A  
 75TH STREET AT ADAMS STREET**

SCALE: 1"=20' SHEET NO. 1 OF 50 SHEETS STA. TO STA.

F.A.P. RTE. 0369	SECTION 12-00233-07-PV	COUNTY DU PAGE	TOTAL SHEETS 285	SHEET NO. 155
CONTRACT NO. 63851				
FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT				





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PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED - ---
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	DATE - 03/04/13	REVISED - ---

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

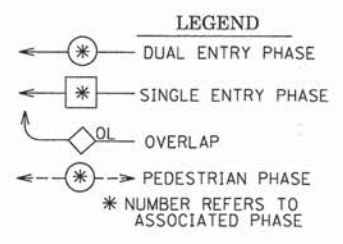
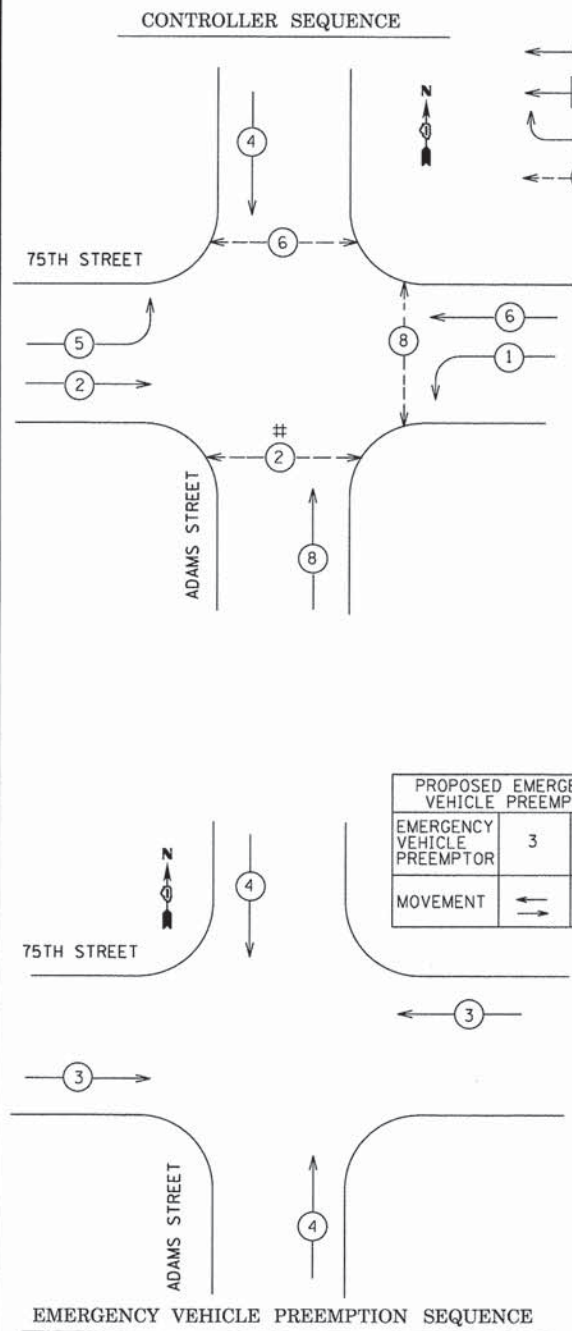
TEMPORARY TRAFFIC SIGNAL PLANS - STAGE 1B, 2A, 2B AND 2C  
75TH STREET AT ADAMS STREET

SCALE: 1"=30' SHEET NO. 2 OF 50 SHEETS STA. TO STA.

F.A.P. RTE. 0369	SECTION 12-00233-07-PY	COUNTY DU PAGE	TOTAL SHEETS 285	SHEET NO. 156
CONTRACT NO. 63851				

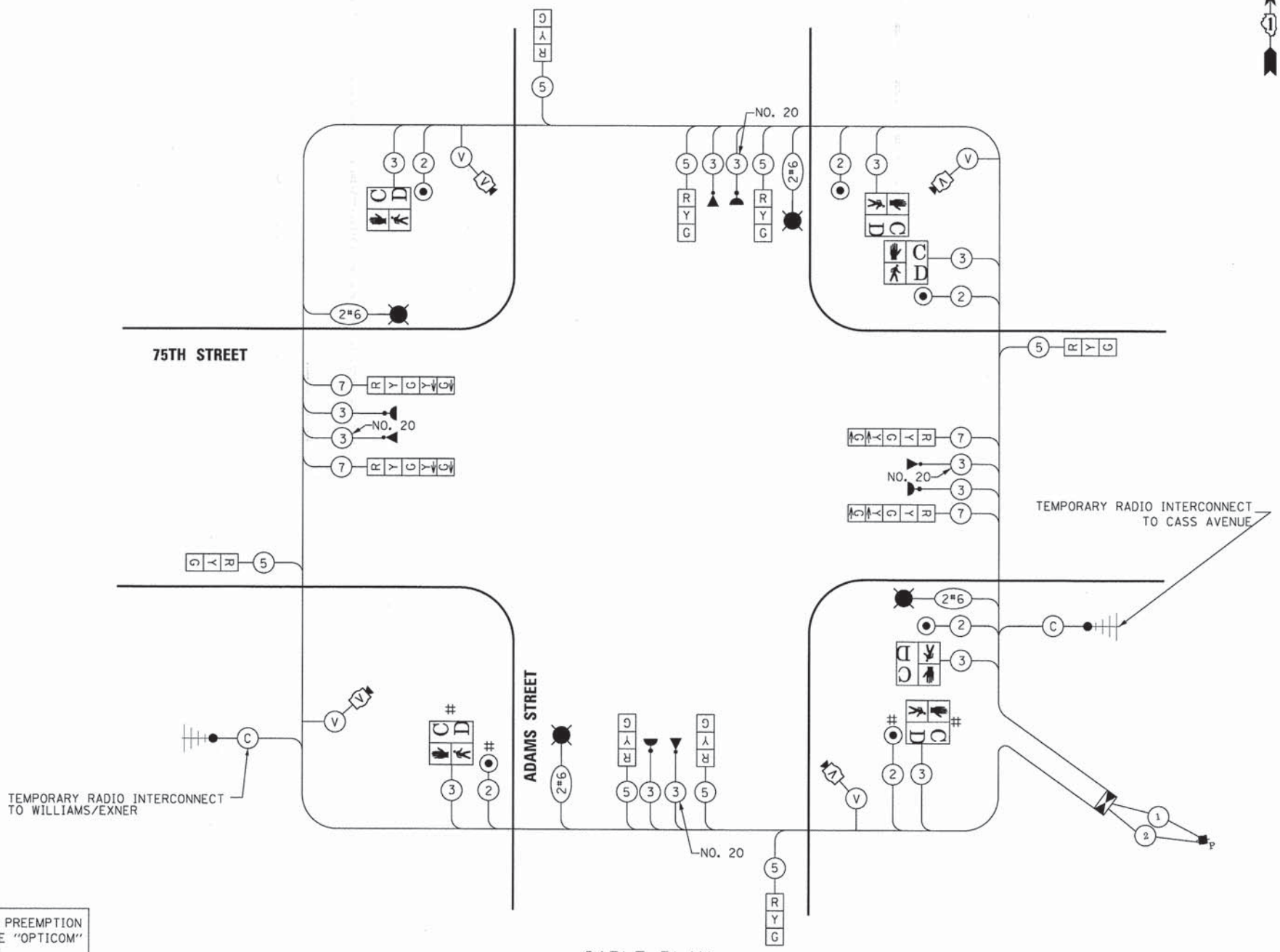
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT





**PROPOSED EMERGENCY VEHICLE PREEMPTORS**

EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	↔	↕



**TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	17	50%	102.00	
(YELLOW)	12	25	25%	75.00	
(GREEN)	12	15	25%	45.00	
ARROW	8	12	10%	9.60	
PED. SIGNAL	6	25	100%	150.00	
CONTROLLER	1	100	100%	100.00	
ILLUM. SIGN			5%	0.00	
LUMINAIRE	4	400	50%	800.00	
VIDEO SYSTEM	1	150	100%	150.00	
FLASHER			50%		
ENERGY COSTS TO: DUPAGE DOT 421 N. COUNTY FARM ROAD WHEATON, IL 60187-2553					TOTAL = 1431.60
ENERGY SUPPLY CONTACT: VALERIE MURPHY					
PHONE: 815-724-5056					
COMPANY: COMED					

EMERGENCY VEHICLE PREEMPTION EQUIPMENT SHALL BE "OPTICOM" PER DUPAGE COUNTY.

NOTE:  
TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS INTERSECTION IS "ECONOLITE" TO MATCH EXISTING ADJACENT SYSTEM.

**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 SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

NOTE:  
# STAGE 1B ONLY  
CONTRACTOR TO DISABLE AND BAG PEDESTRIAN PUSH BUTTON AND PEDESTRIAN SIGNAL DURING PHASE 1A



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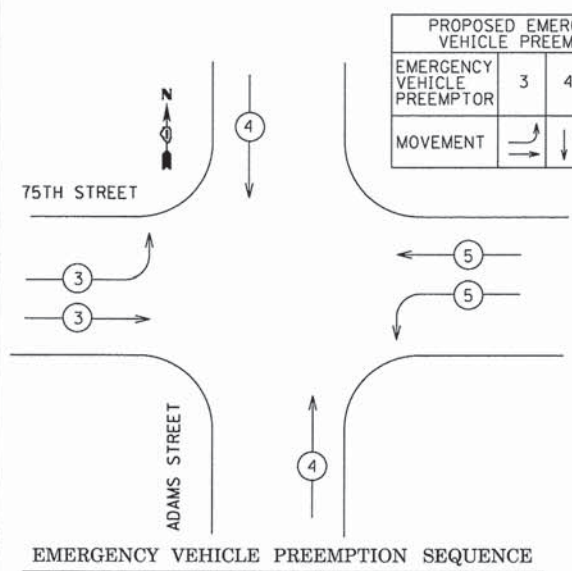
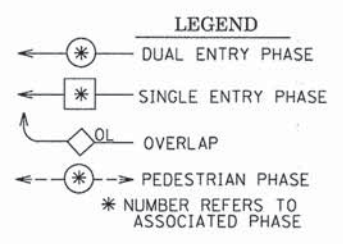
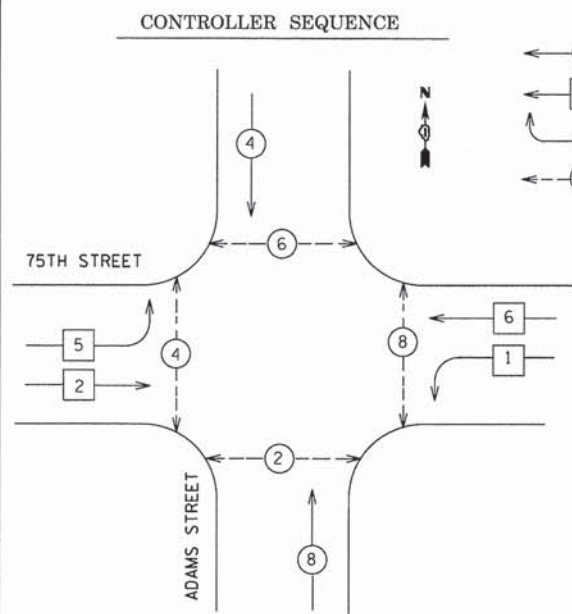
USER NAME = #USER#	DESIGNED - JDH	REVISED - ---
PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED - ---
PLOT DATE = #DATE#	CHECKED - VJD	REVISED - ---
	DATE - 03/04/13	REVISED - ---

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

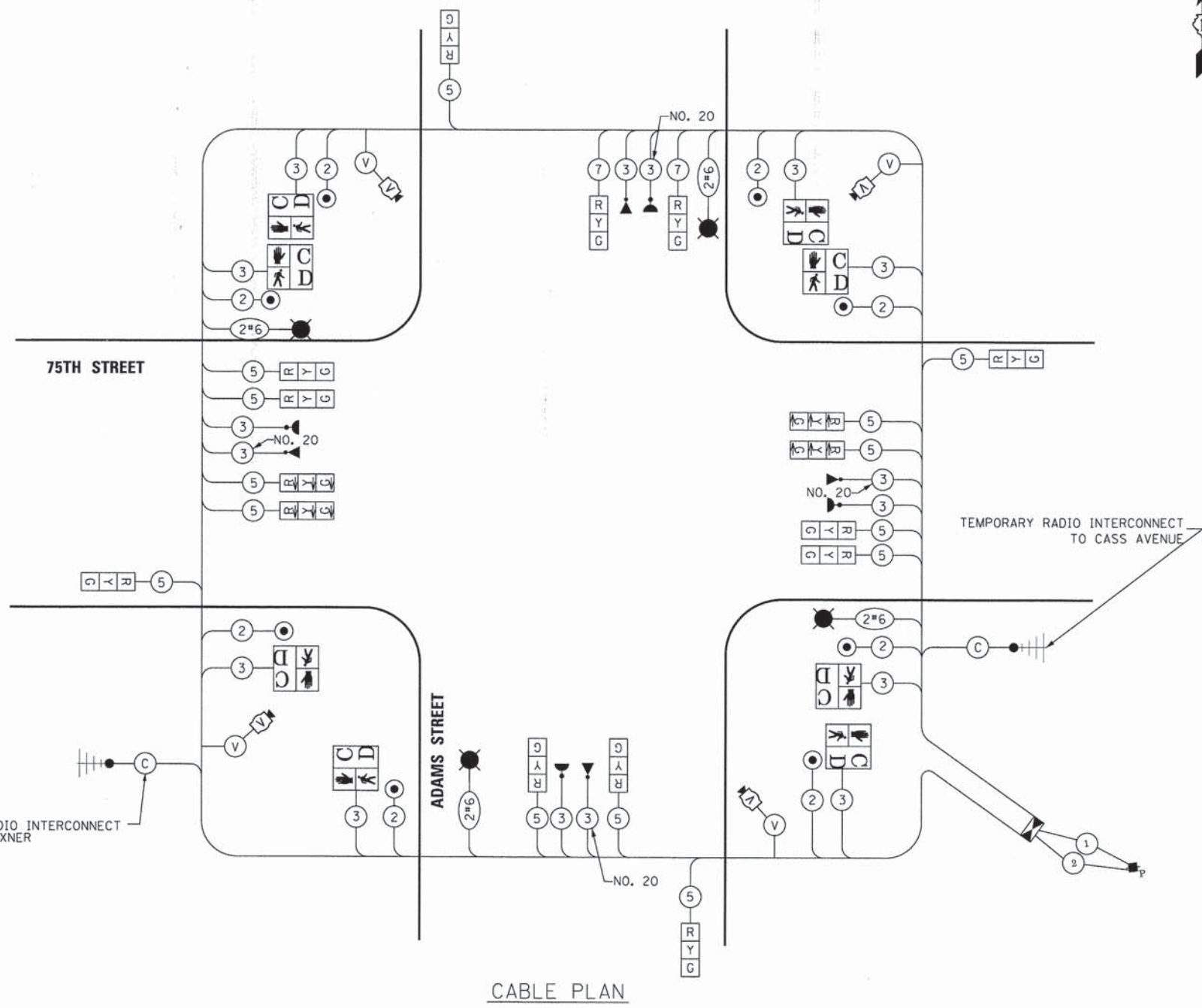
**TEMPORARY CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE 75TH STREET AND ADAMS STREET - STAGE 1A & 1B**

F.A.P. RTE. 0369	SECTION 12-00233-07-PV	COUNTY DU PAGE	TOTAL SHEETS 285	SHEET NO. 157
CONTRACT NO. 63851				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				





PROPOSED EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT			



#### TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12		17	50%	102.00
(YELLOW)	12		25	25%	75.00
(GREEN)	12		15	25%	45.00
ARROW	12		12	10%	14.40
PED. SIGNAL	8		25	100%	200.00
CONTROLLER	1		100	100%	100.00
ILLUM. SIGN				5%	0.00
LUMINAIRE	4	400		50%	800.00
VIDEO SYSTEM	1	150		100%	150.00
FLASHER				50%	
ENERGY COSTS TO: DUPAGE DOT 421 N. COUNTY FARM ROAD WHEATON, IL 60187-2553					TOTAL = 1481.60
ENERGY SUPPLY CONTACT: VALERIE MURPHY					
PHONE: 815-724-5056					
COMPANY: COMED					

EMERGENCY VEHICLE PREEMPTION EQUIPMENT SHALL BE "OPTICOM" PER DUPAGE COUNTY.

NOTE:  
TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS INTERSECTION IS "ECONOLITE" TO MATCH EXISTING ADJACENT SYSTEM.

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 SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.



USER NAME = #USER#	DESIGNED - JDH	REVISED - ---
PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED - ---
PLOT DATE = #DATE#	CHECKED - VJD	REVISED - ---
	DATE - 03/04/13	REVISED - ---

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE  
75TH STREET AND ADAMS STREET - STAGE 2A, 2B & 2C

F.A.P. RTE. 0369	SECTION 12-00233-07-PV	COUNTY DU PAGE	TOTAL SHEETS 285	SHEET NO. 158
CONTRACT NO. 63851				

FED. ROAD DIST. NO. 1 | ILLINOIS FED. AID PROJECT



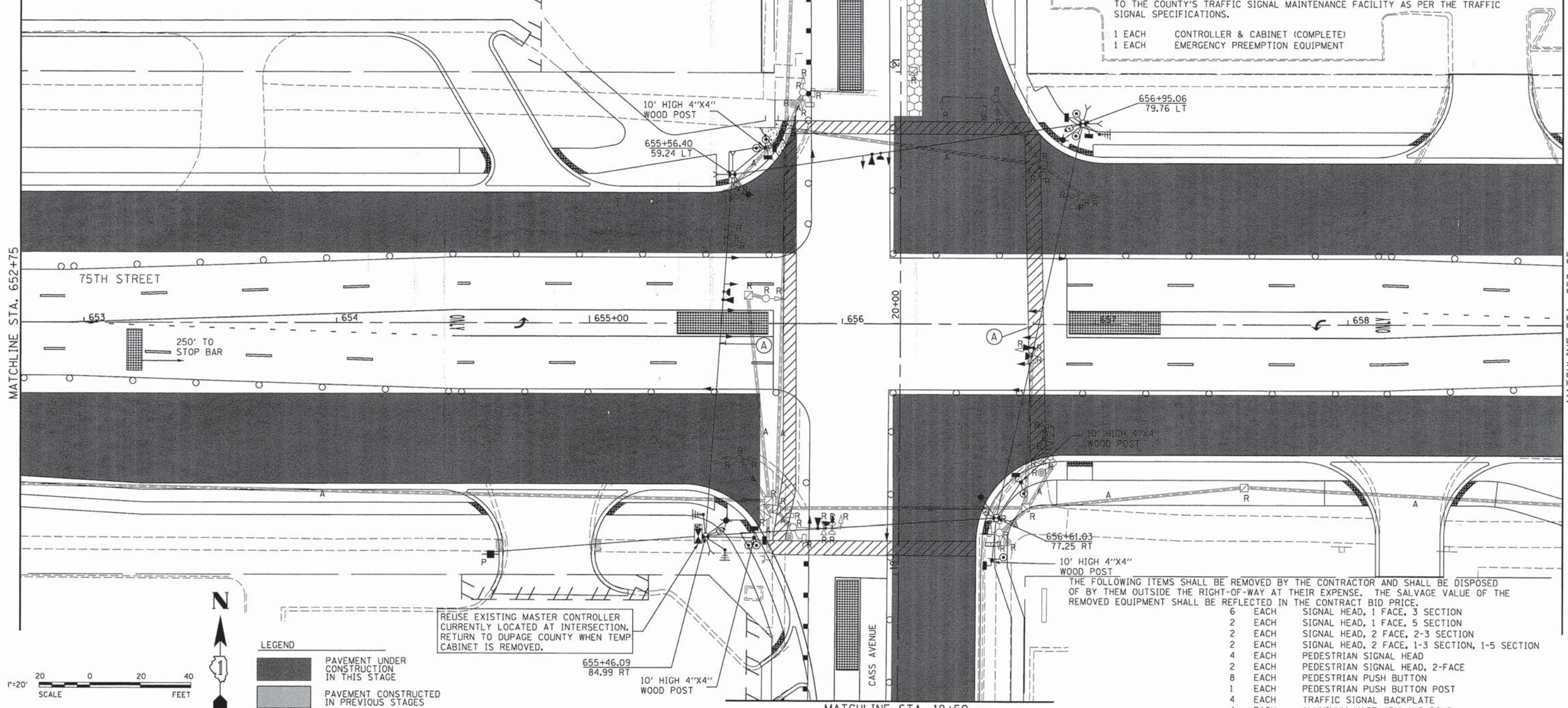
MATCHLINE STA. 21+30

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF DUPAGE COUNTY AND DELIVERED TO THE COUNTY'S TRAFFIC SIGNAL MAINTENANCE FACILITY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

- 1 EACH CONTROLLER & CABINET (COMPLETE)
- 1 EACH EMERGENCY PREEMPTION EQUIPMENT

MATCHLINE STA. 652+75

MATCHLINE STA. 658+85



- LEGEND**
- PAVEMENT UNDER CONSTRUCTION IN THIS STAGE
  - PAVEMENT CONSTRUCTED IN PREVIOUS STAGES
  - TEMPORARY PAVEMENT

REUSE EXISTING MASTER CONTROLLER CURRENTLY LOCATED AT INTERSECTION. RETURN TO DUPAGE COUNTY WHEN TEMP CABINET IS REMOVED.

10' HIGH 4"X4" WOOD POST

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.

- 6 EACH SIGNAL HEAD, 1 FACE, 3 SECTION
- 2 EACH SIGNAL HEAD, 1 FACE, 5 SECTION
- 2 EACH SIGNAL HEAD, 2 FACE, 2-3 SECTION
- 2 EACH SIGNAL HEAD, 2 FACE, 1-3 SECTION, 1-5 SECTION
- 4 EACH PEDESTRIAN SIGNAL HEAD
- 2 EACH PEDESTRIAN SIGNAL HEAD, 2-FACE
- 8 EACH PEDESTRIAN PUSH BUTTON
- 1 EACH PEDESTRIAN PUSH BUTTON POST
- 4 EACH TRAFFIC SIGNAL BACKPLATE
- 4 EACH ALUMINUM MAST ARM AND POLE
- 6 EACH SIGNAL POST
- 1 EACH SERVICE INSTALLATION

**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 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 HEADRELOCATIONS. 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.
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**NOTES FOR TEMPORARY TRAFFIC SIGNALS**

- 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 PREEMPTION, 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 SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

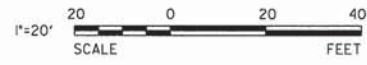
TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN - STAGE 1A & 1B  
 75TH STREET AT CASS AVENUE

SCALE: 1"=20' SHEET NO. 5 OF 50 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PV	DJ PAGE	285	159
CONTRACT NO. 63851				

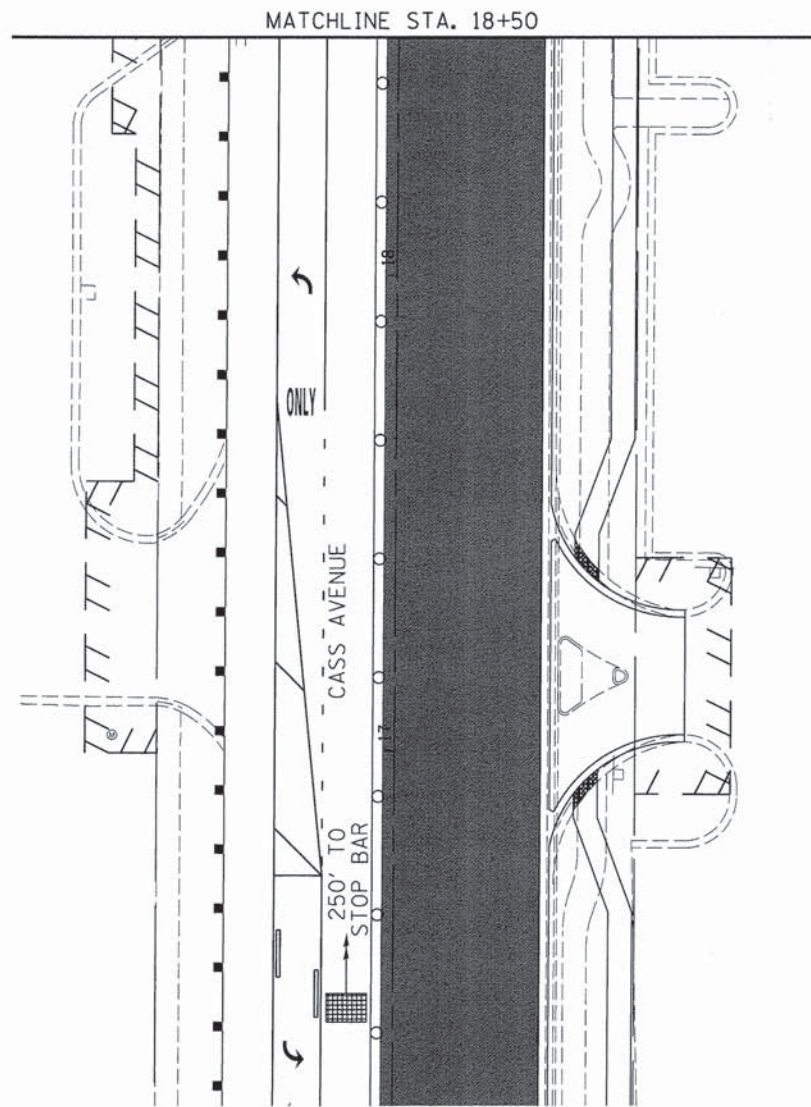
FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT



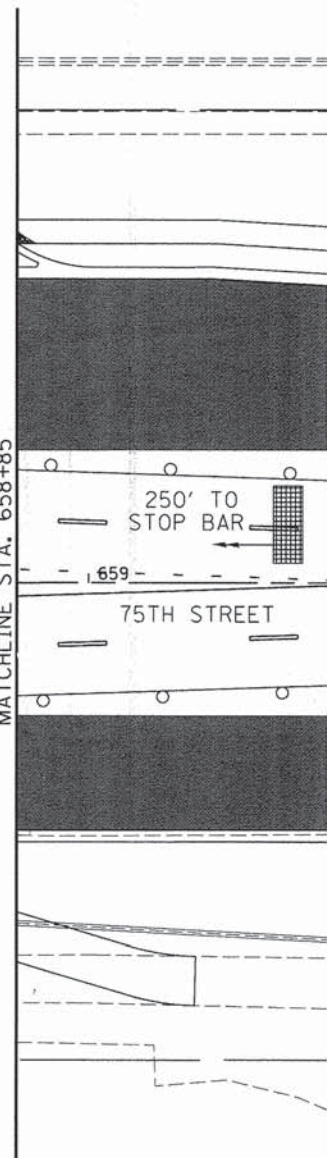


**LEGEND**

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	PAVEMENT CONSTRUCTED IN PREVIOUS STAGES
	TEMPORARY PAVEMENT

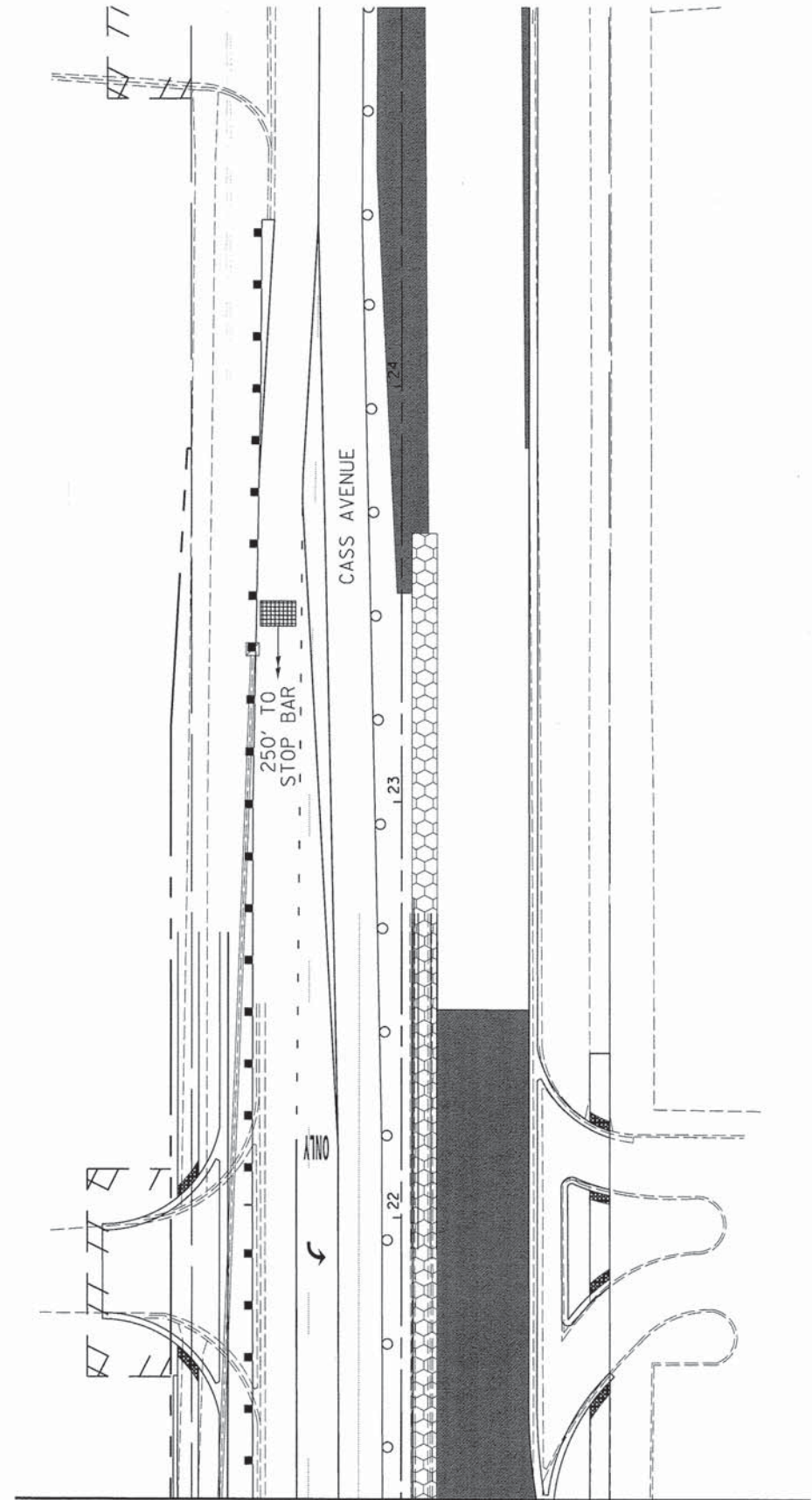


MATCHLINE STA. 658+85



**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 SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

EMERGENCY VEHICLE PREEMPTION EQUIPMENT TO BE OPTICOM PER DUPAGE COUNTY DIVISION OF TRANSPORTATION.



MATCHLINE STA. 21+30



USER NAME = \$USERS	DESIGNED - JDH	REVISED - ---
PLOT SCALE = \$SCALE*	DRAWN - DRP	REVISED - ---
PLOT DATE = \$DATE*	CHECKED - VJD	REVISED - ---
	DATE - 03/04/13	REVISED - ---

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVE EXISTING  
 TRAFFIC SIGNAL EQUIPMENT PLAN - STAGE 1A & 1B  
 75TH STREET AT CASS AVENUE**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PV	DU PAGE	285	160
CONTRACT NO. 63851				

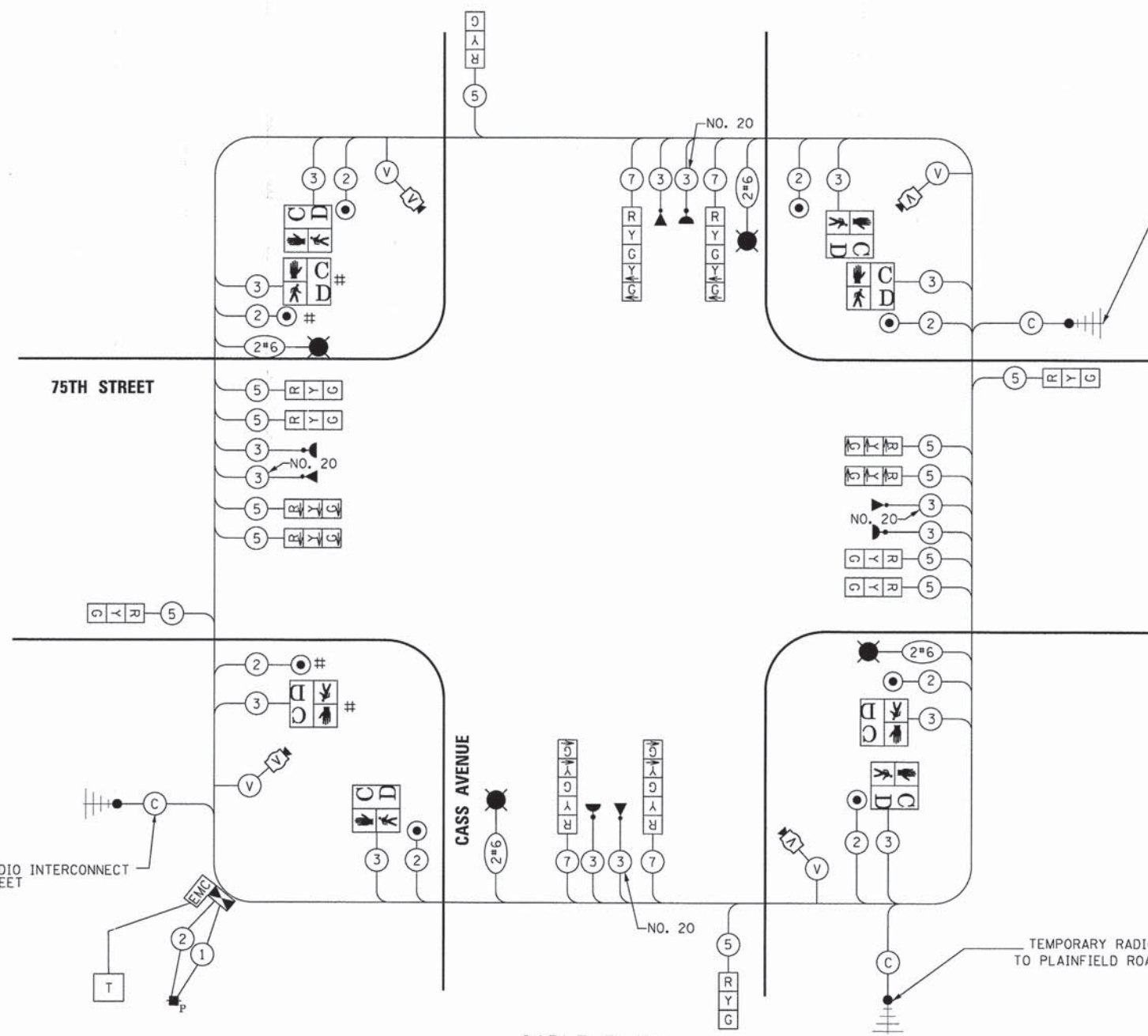
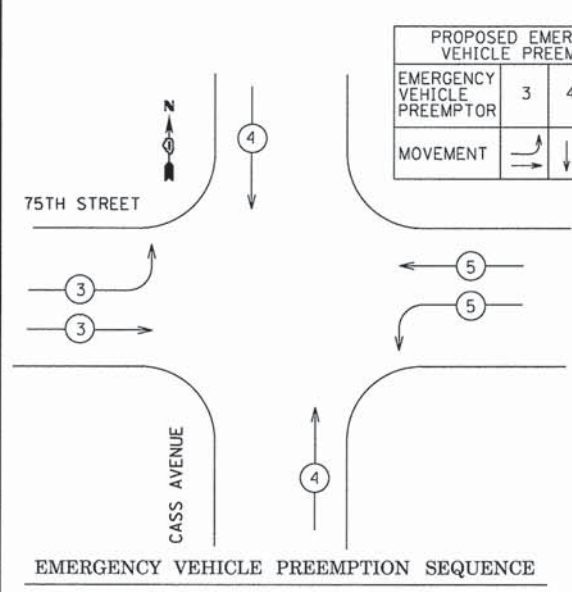
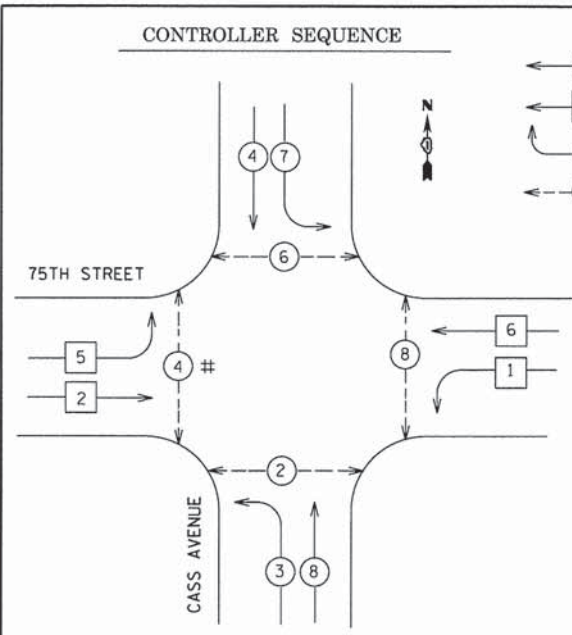
SCALE: 1"=20' SHEET NO. 6 OF 50 SHEETS STA. TO STA.

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT









CABLE PLAN

TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS*	WATTAGE INCAND.	WATTAGE LED	% OPERATION	
SIGNAL (RED)	12	17	17	50%	102.00
(YELLOW)	12	25	25	25%	75.00
(GREEN)	12	15	15	25%	45.00
ARROW	20	12	12	10%	24.00
PED. SIGNAL	8	25	25	100%	200.00
CONTROLLER	1	100	100	100%	100.00
ILLUM. SIGN				5%	0.00
LUMINAIRE	4	400	400	50%	800.00
VIDEO SYSTEM	1	150	150	100%	150.00
FLASHER				50%	
ENERGY COSTS TO: DUPAGE DOT					TOTAL = 1496.00
421 N. COUNTY FARM ROAD WHEATON, IL 60187-2553					
ENERGY SUPPLY CONTACT: VALERIE MURPHY					
PHONE: 815-724-5056					
COMPANY: COMED					

EMERGENCY VEHICLE PREEMPTION EQUIPMENT SHALL BE "OPTICOM" PER DUPAGE COUNTY.

NOTE:  
TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS INTERSECTION IS "ECONOLITE" TO MATCH EXISTING ADJACENT SYSTEM.

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 SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

NOTE:  
# PHASE 1A ONLY  
CONTRACTOR TO DISABLE AND BAG PEDESTRIAN PUSH BUTTON AND PEDESTRIAN SIGNAL DURING PHASE 1B



V3 Companies  
7325 Janes Avenue  
Woodridge, IL 60517  
630.724.9200 phone  
630.724.9202 fax  
www.v3co.com

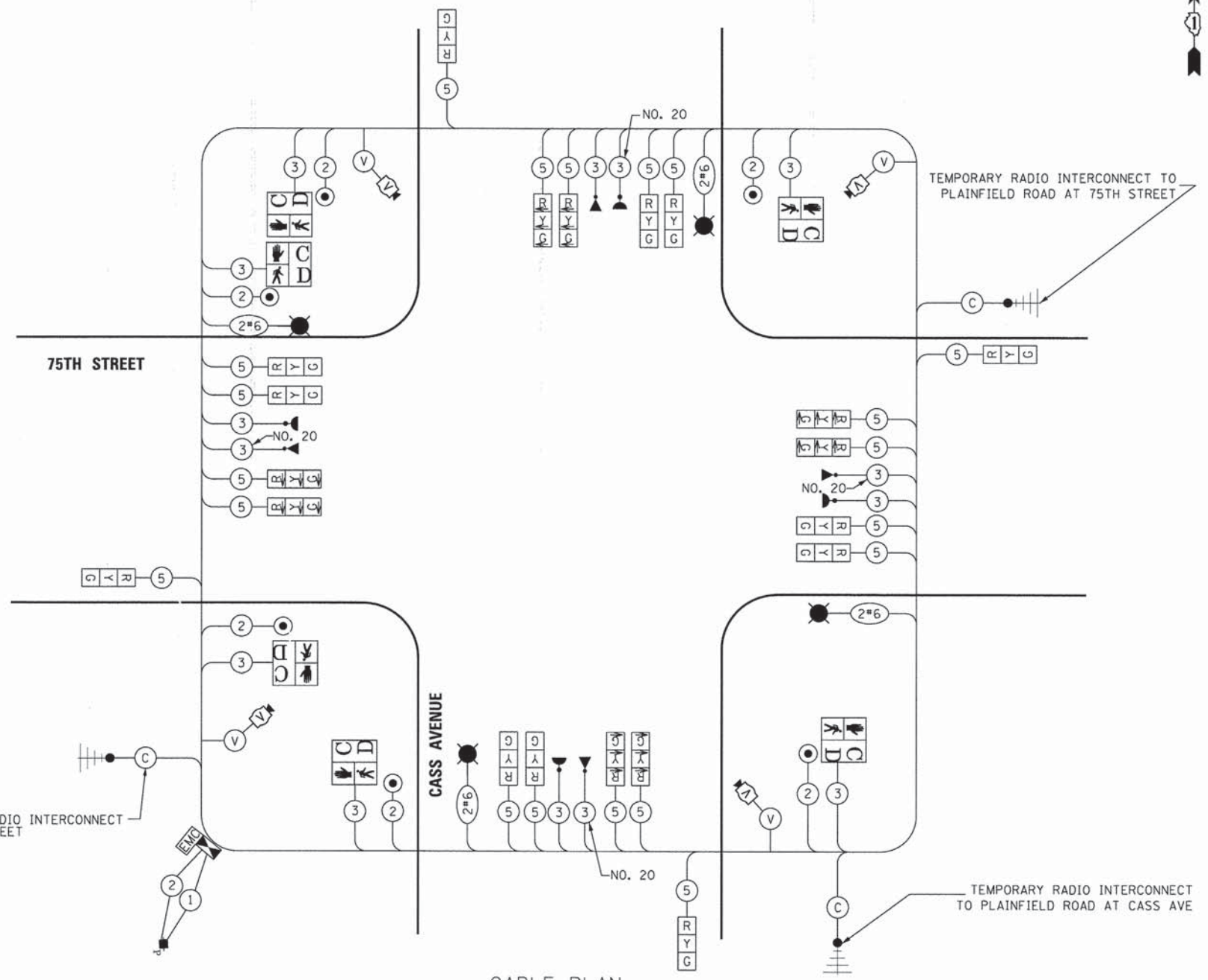
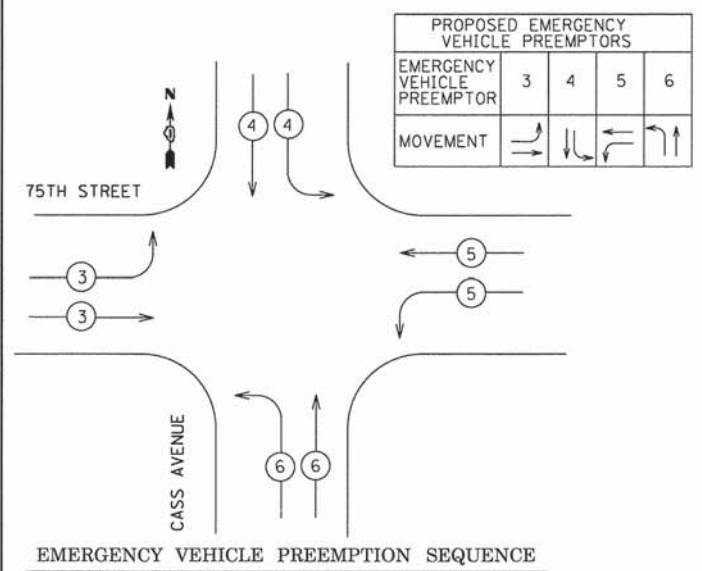
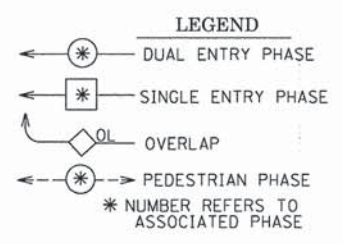
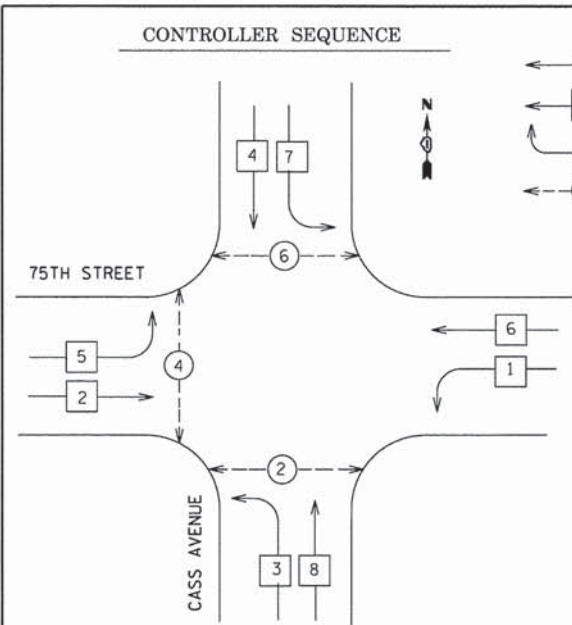
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PLOT DATE = #DATE#	CHECKED - VJD	REVISED - ---
	DATE - 03/04/13	REVISED - ---

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, PHASE DESIGNATION DIAGRAM  
AND EMERGENCY VEHICLE PREEMPTION SEQUENCE  
75TH STREET AND CASS AVENUE - STAGE 1A & 1B  
SCALE: N.T.S. SHEET NO. 8 OF 50 SHEETS

F.A.P. RTE. 0369	SECTION 12-00233-07-PV	COUNTY DU PAGE	TOTAL SHEETS 285	SHEET NO. 162
CONTRACT NO. 63851				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				





EMERGENCY VEHICLE PREEMPTION EQUIPMENT SHALL BE "OPTICOM" PER DUPAGE COUNTY.

NOTE:  
TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS INTERSECTION IS "ECONOLITE" TO MATCH EXISTING ADJACENT SYSTEM.

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 SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

### TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE (INCAND.)	WATTAGE LED	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	17		50%	102.00
(YELLOW)	12	25		25%	75.00
(GREEN)	12	15		25%	45.00
ARROW	24	12		10%	28.80
PED. SIGNAL	6	25		100%	150.00
CONTROLLER	1	100		100%	100.00
ILLUM. SIGN				5%	0.00
LUMINAIRE	4	400		50%	800.00
VIDEO SYSTEM	1	150		100%	150.00
FLASHER				50%	
ENERGY COSTS TO: DUPAGE DOT 421 N. COUNTY FARM ROAD WHEATON, IL 60187-2553					TOTAL = 1450.80
ENERGY SUPPLY CONTACT: VALERIE MURPHY					
PHONE: 815-724-5056					
COMPANY: COMED					



USER NAME = #USERS	DESIGNED - JDH	REVISED - ---
PLDT SCALE = #SCALE#	DRAWN - DRP	REVISED - ---
PLDT DATE = #DATE#	CHECKED - VJD	REVISED - ---
	DATE - 03/04/13	REVISED - ---

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE  
75TH STREET AND CASS AVENUE - STAGE 2A, 2B, & 2C  
SCALE: N.T.S. SHEET NO. 9 OF 50 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PV	DU PAGE	285	163
				CONTRACT NO. 63851
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				



THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF DUPAGE COUNTY AND DELIVERED TO THE COUNTY'S TRAFFIC SIGNAL MAINTENANCE FACILITY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

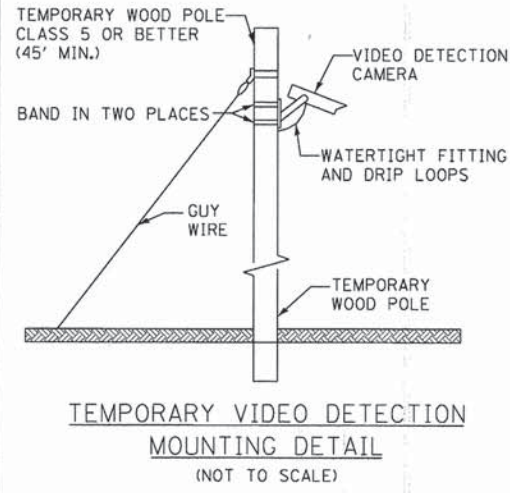
- 1 EACH CONTROLLER & CABINET (COMPLETE)
- 1 EACH EMERGENCY PREEMPTION EQUIPMENT

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.

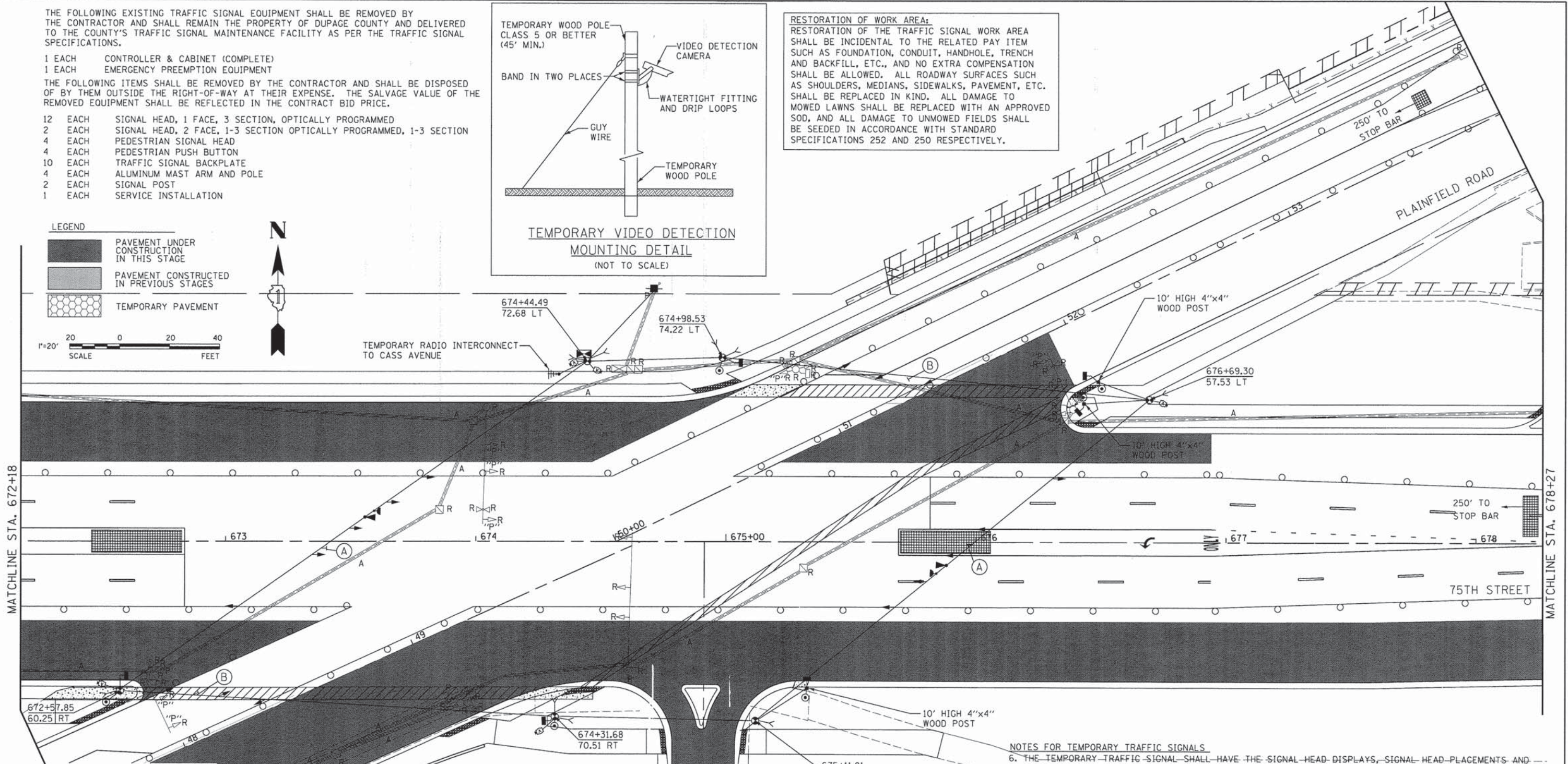
- 12 EACH SIGNAL HEAD, 1 FACE, 3 SECTION, OPTICALLY PROGRAMMED
- 2 EACH SIGNAL HEAD, 2 FACE, 1-3 SECTION OPTICALLY PROGRAMMED, 1-3 SECTION
- 4 EACH PEDESTRIAN SIGNAL HEAD
- 4 EACH PEDESTRIAN PUSH BUTTON
- 10 EACH TRAFFIC SIGNAL BACKPLATE
- 4 EACH ALUMINUM MAST ARM AND POLE
- 2 EACH SIGNAL POST
- 1 EACH SERVICE INSTALLATION

LEGEND

- PAVEMENT UNDER CONSTRUCTION IN THIS STAGE
- PAVEMENT CONSTRUCTED IN PREVIOUS STAGES
- TEMPORARY PAVEMENT



**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 SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.



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 TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 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.

NOTES FOR TEMPORARY TRAFFIC SIGNALS

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 PREEMPTION, 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 SPECIFICATIONS 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.

LEFT ON GREEN ARROW ONLY



V3 Companies  
 7325 Janes Avenue  
 Woodridge, IL 60517  
 630.724.9200 phone  
 630.724.9202 fax  
 www.v3co.com

USER NAME = #USER#  
 DESIGNED - JDH  
 DRAWN - DRP  
 CHECKED - VJD  
 DATE - 03/04/13

REVISED - ---  
 REVISED - ---  
 REVISED - ---  
 REVISED - ---

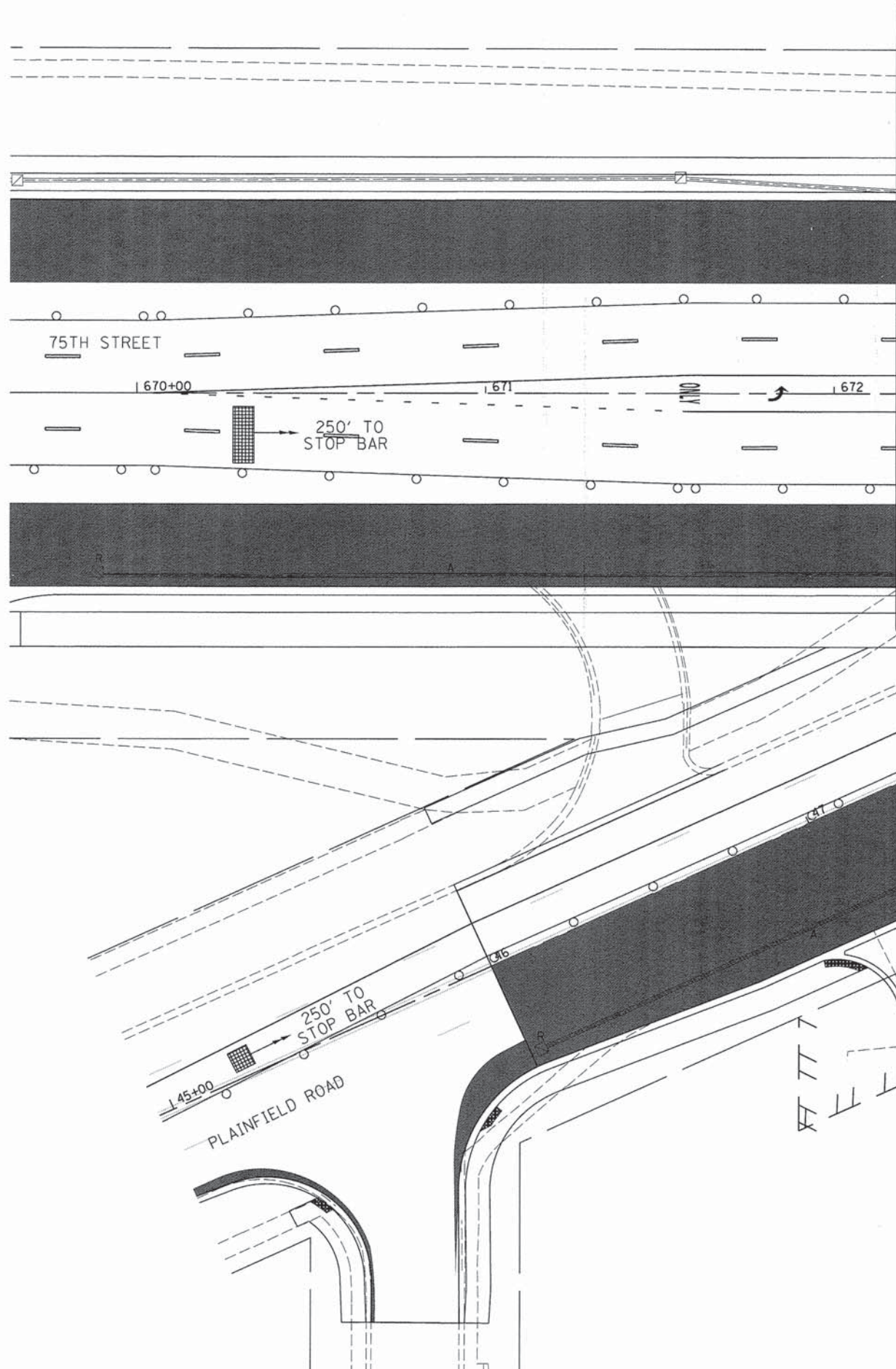
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT PLAN - STAGE 1A  
 75TH STREET AT PLAINFIELD ROAD

F.A.P. RTE. 0369	SECTION 12-00233-07-PV	COUNTY DU PAGE	TOTAL SHEETS 285	SHEET NO. 164
CONTRACT NO. 63851				

SCALE: 1"=20' SHEET NO. 10 OF 50 SHEETS STA. TO STA. FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT

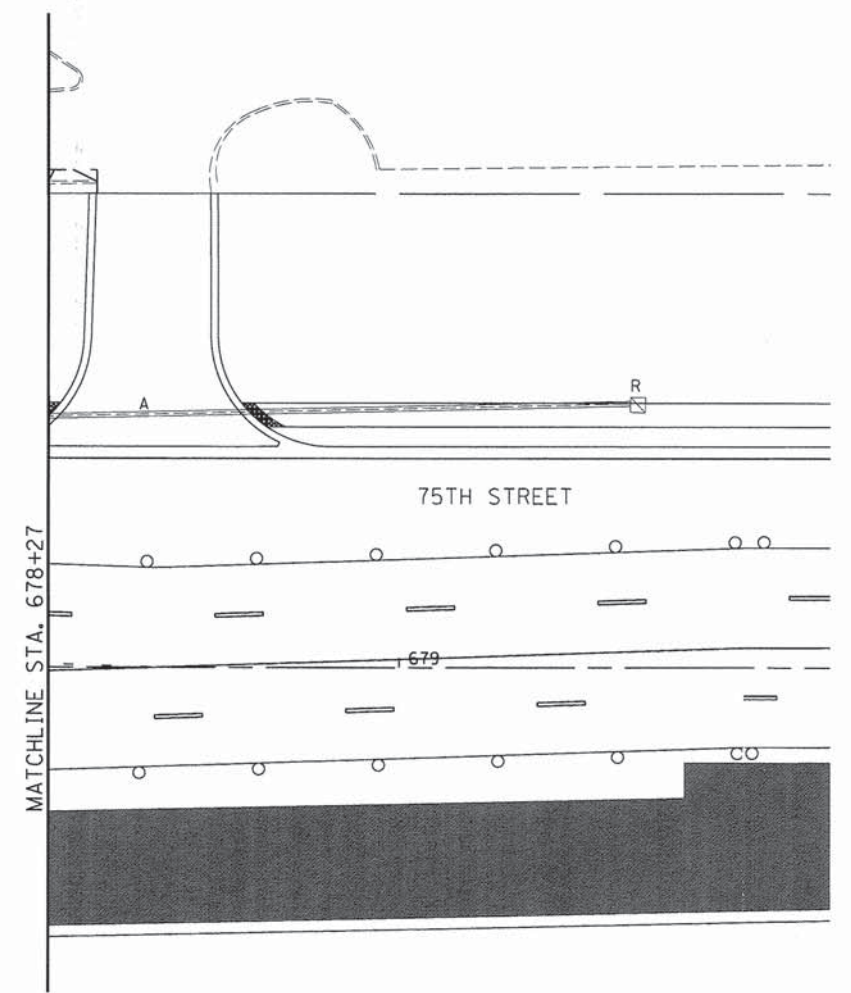




**RESTORATION OF WORK AREA:**  
 RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, 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 SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

EMERGENCY VEHICLE PREEMPTION EQUIPMENT TO BE OPTICOM PER DUPAGE COUNTY DIVISION OF TRANSPORTATION.

- LEGEND**
- PAVEMENT UNDER CONSTRUCTION IN THIS STAGE
  - PAVEMENT CONSTRUCTED IN PREVIOUS STAGES
  - TEMPORARY PAVEMENT



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 Woodridge, IL 60517  
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USER NAME = #USER#	DESIGNED - JDH	REVISED - ---
PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED - ---
PLOT DATE = #DATE#	CHECKED - VJD	REVISED - ---
	DATE - 03/04/13	REVISED - ---

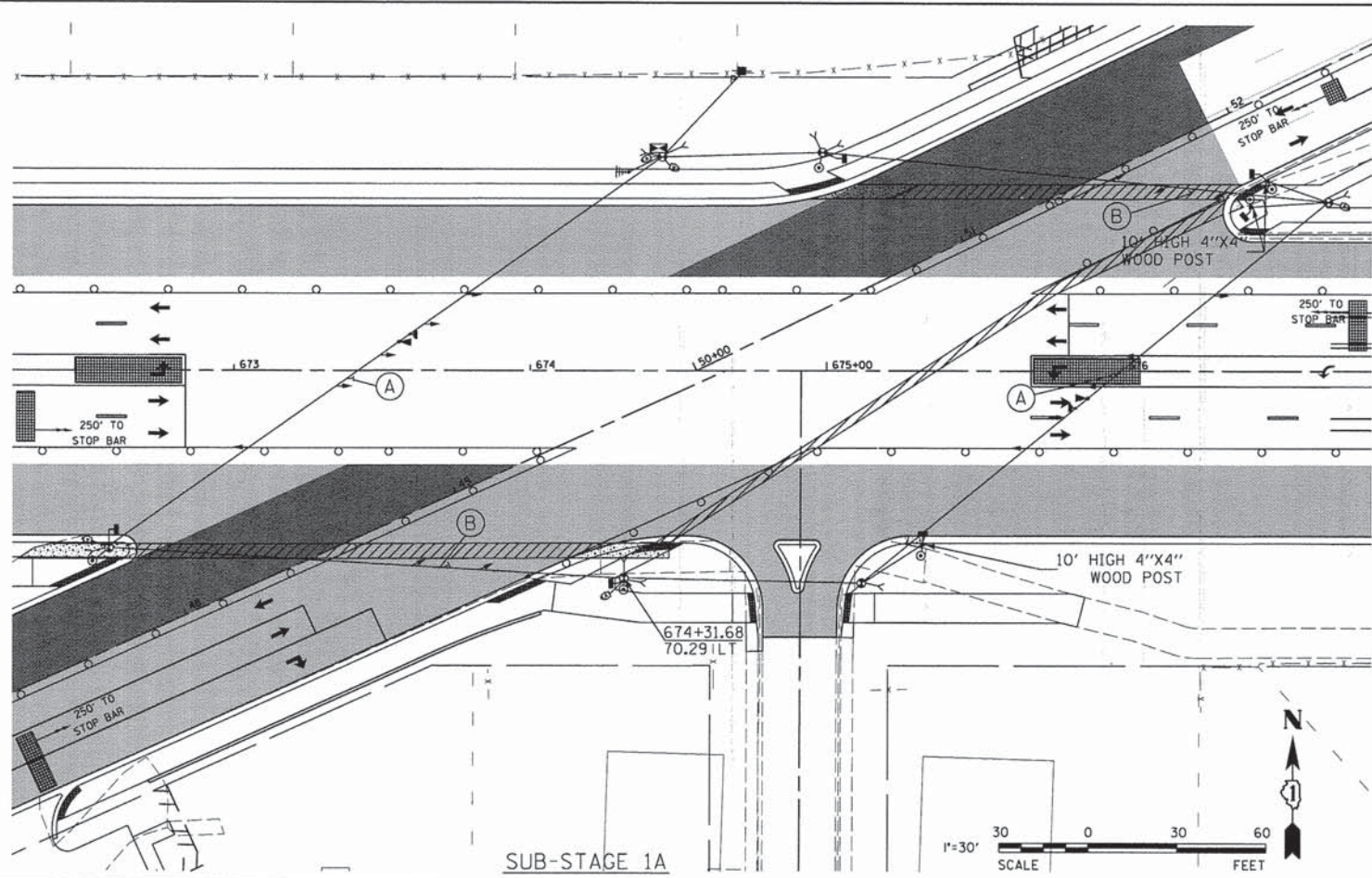
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL INSTALLATION AND REMOVE EXISTING  
 TRAFFIC SIGNAL EQUIPMENT PLAN - STAGE 1A  
 75TH STREET AT PLAINFIELD ROAD**




SCALE: 1"=20' SHEET NO. 11 OF 50 SHEETS STA. TO STA.

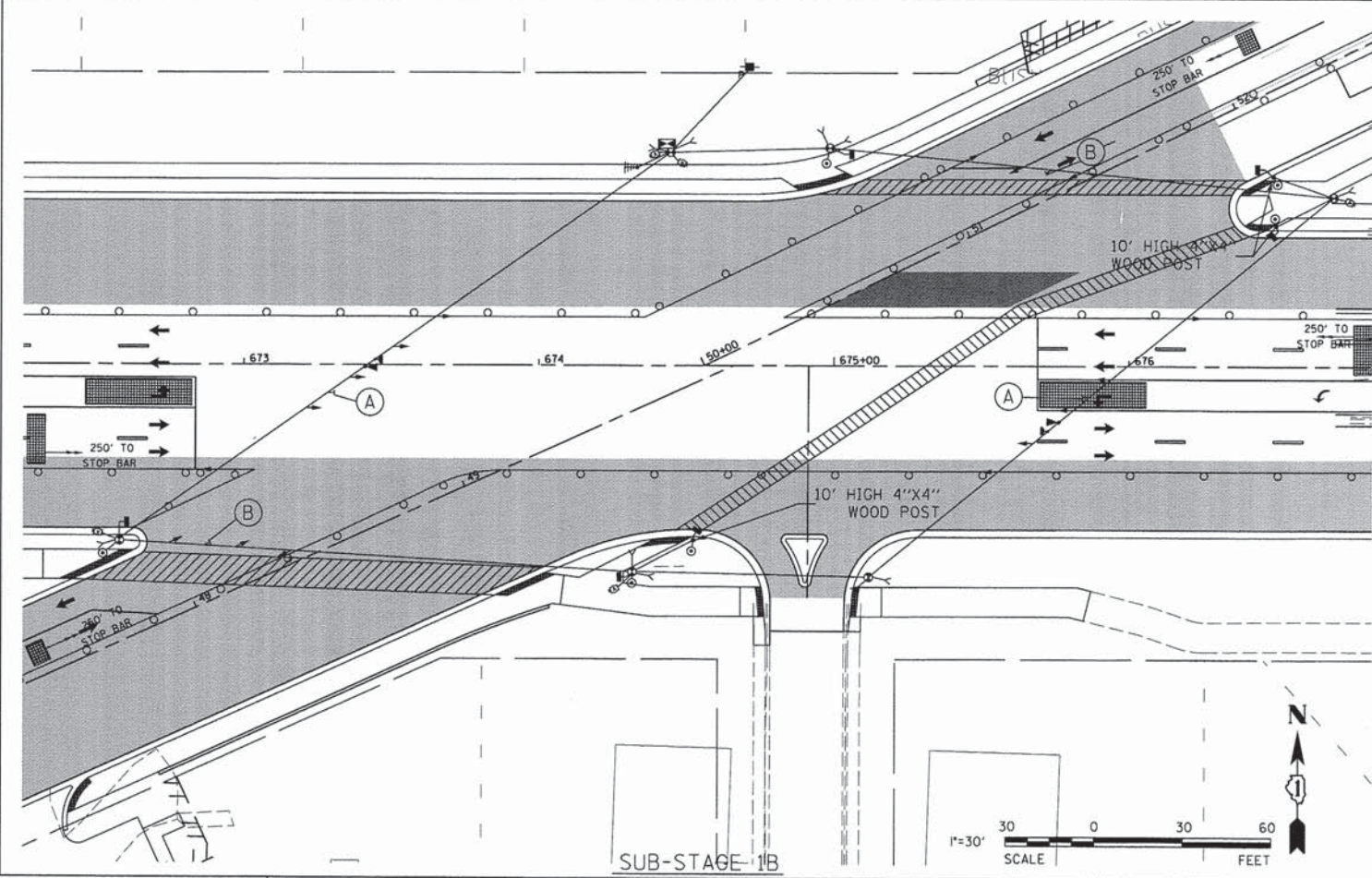
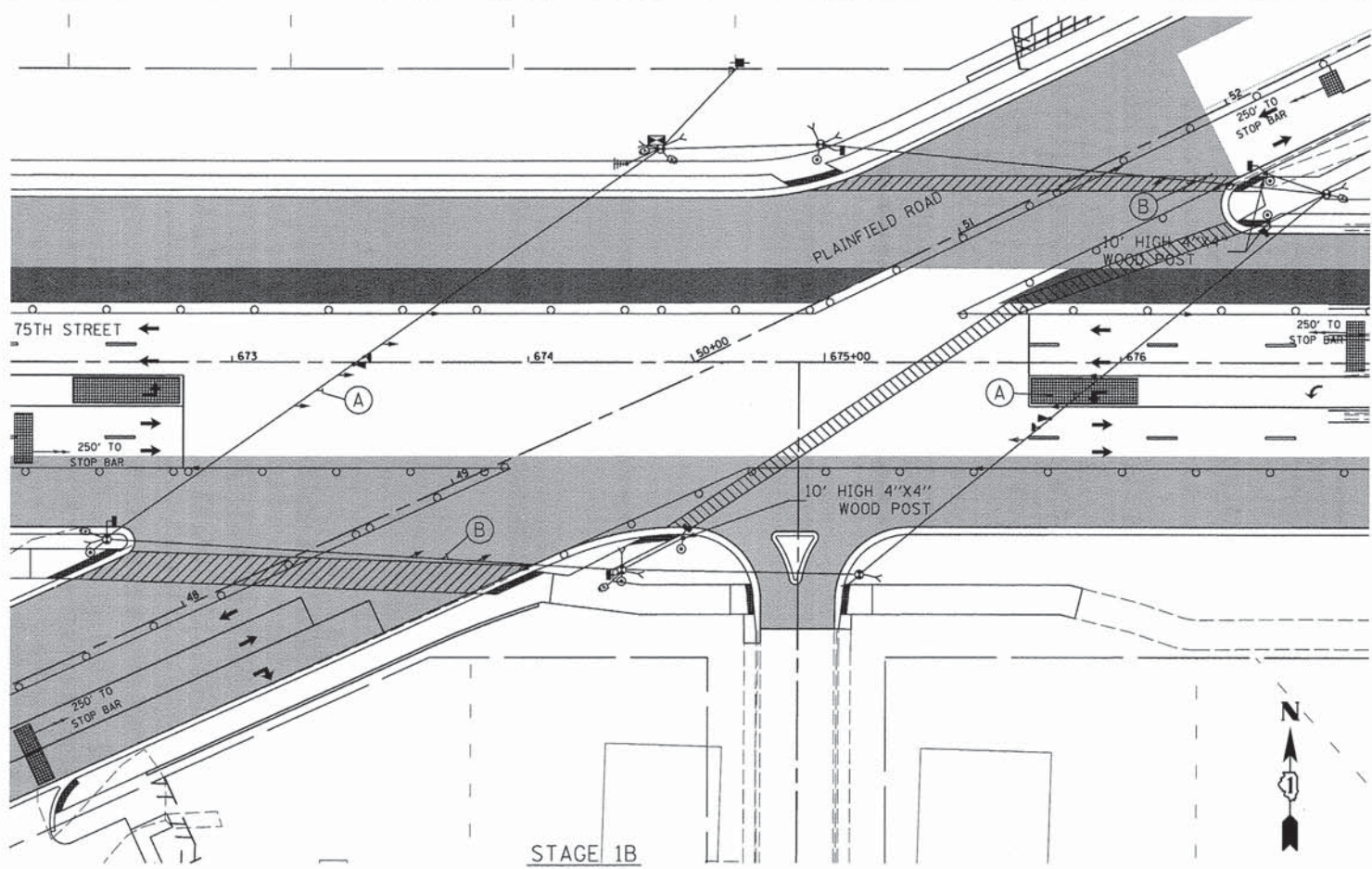
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PV	DU PAGE	285	165
				CONTRACT NO. 63851
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				





LEGEND

-  PAVEMENT UNDER CONSTRUCTION IN THIS STAGE
-  PAVEMENT CONSTRUCTED IN PREVIOUS STAGES
-  TEMPORARY PAVEMENT



USER NAME = #USER#	DESIGNED - JDH	REVISED - ---
PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED - ---
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	DATE - 03/04/13	REVISED - ---

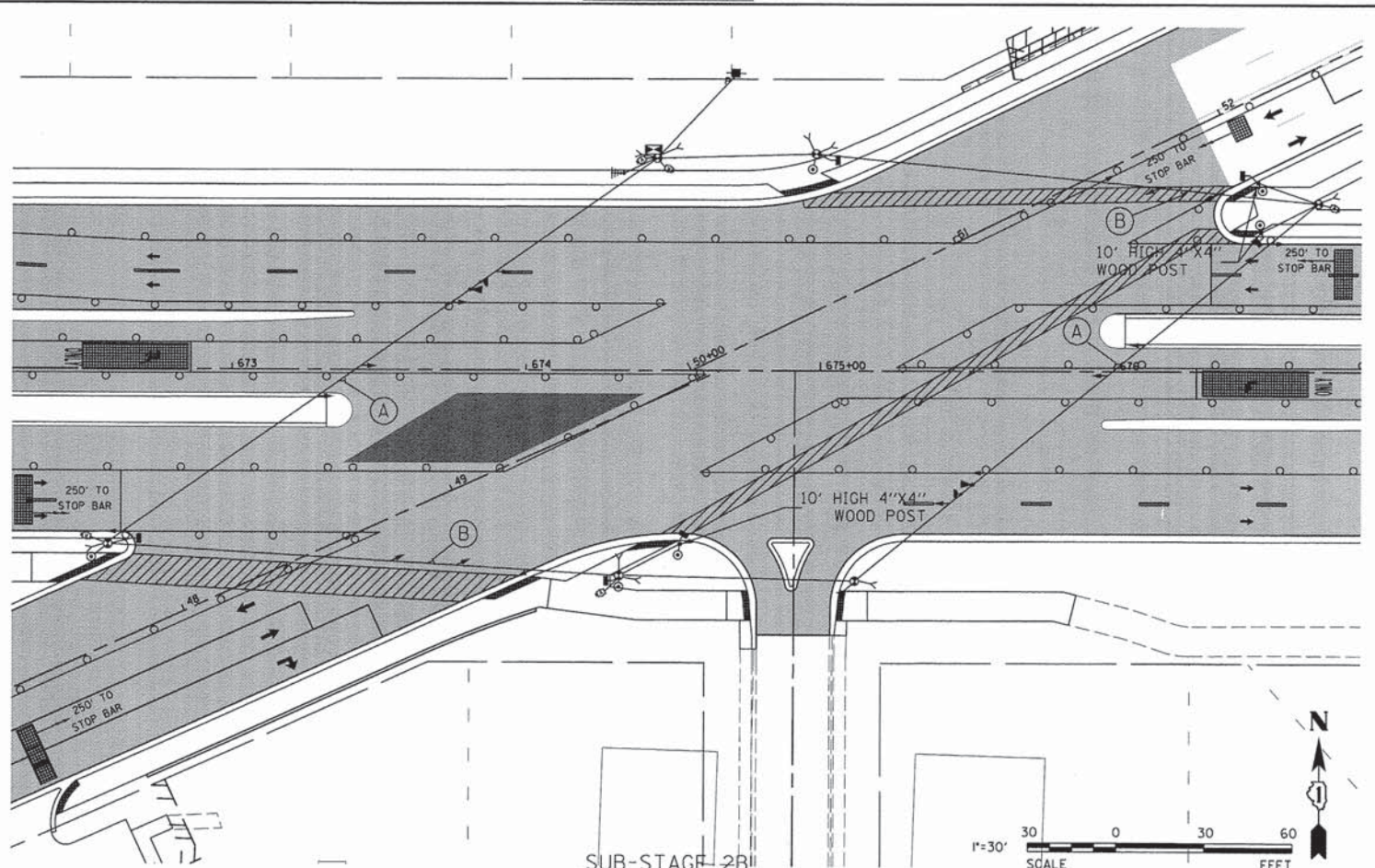
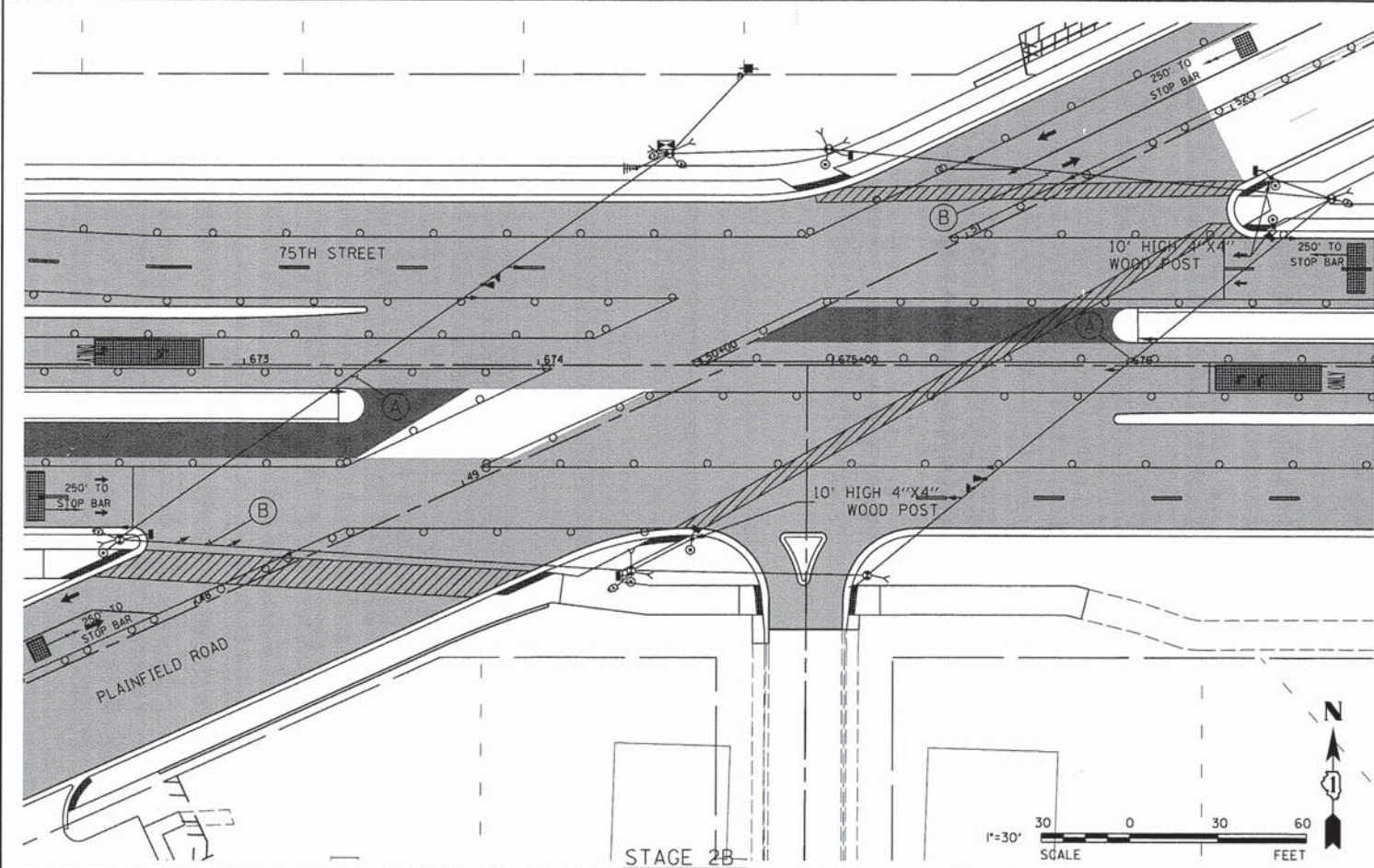
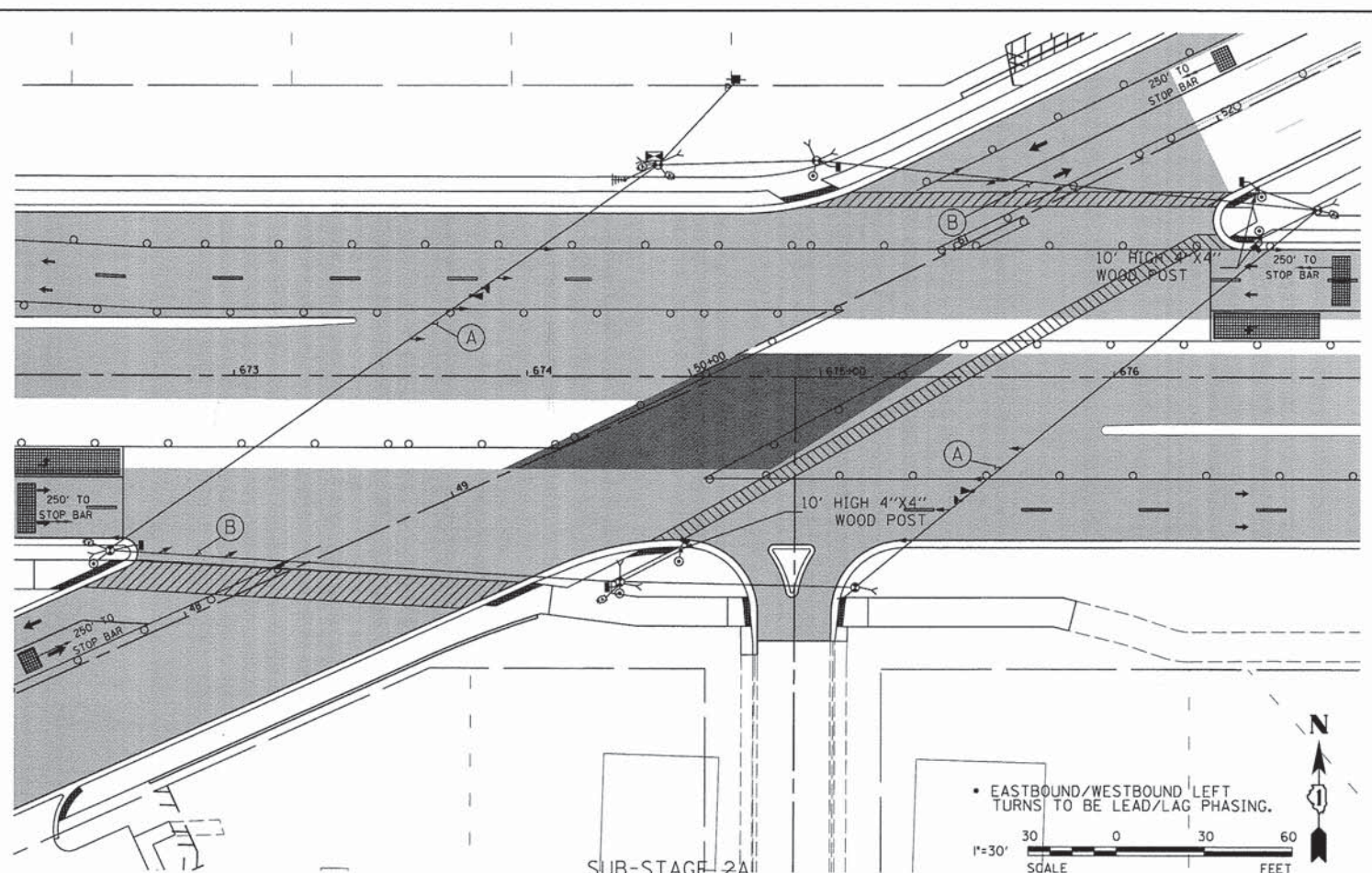
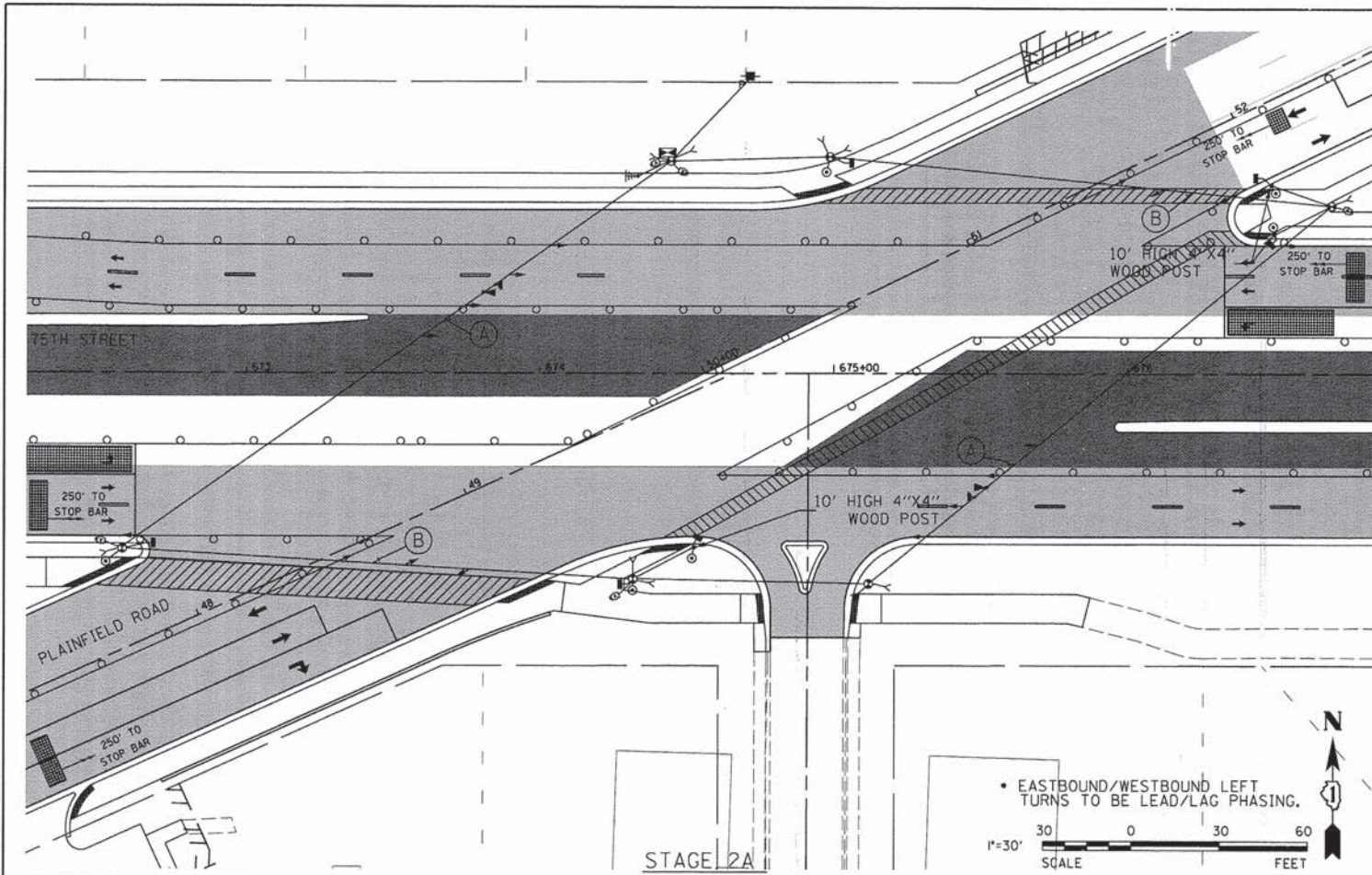
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL PLANS - SUB-STAGE 1A & STAGE 1B  
75TH STREET AT PLAINFIELD ROAD

SCALE: 1"=30' SHEET NO. 12 OF 50 SHEETS STA. TO STA.

F.A.P. RTE. 0369	SECTION 12-00233-07-PY	COUNTY DU PAGE	TOTAL SHEETS 285	SHEETS NC 166
CONTRACT NO. 63851				
FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT				





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www.v3co.com

USER NAME = #USER#  
DESIGNED - JDH  
DRAWN - DRP  
CHECKED - VJD  
DATE - 03/04/13

REVISED - ---  
REVISED - ---  
REVISED - ---  
REVISED - ---

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL PLANS - STAGES 2A AND 2B  
75TH STREET AT PLAINFIELD ROAD**

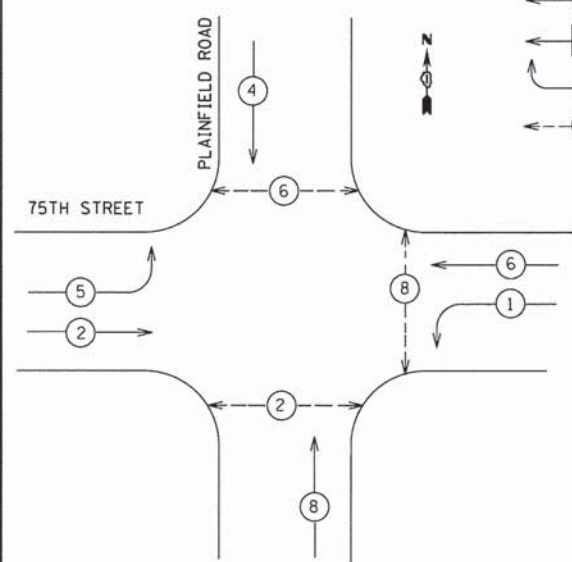
SCALE: 1"=30' SHEET NO. 13 OF 50 SHEETS STA. TO STA.

F.A.P. RTE. 0369	SECTION 12-00233-07-PY	COUNTY DU PAGE	TOTAL SHEETS 285	SHEET NO. 167
CONTRACT NO. 63851			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	



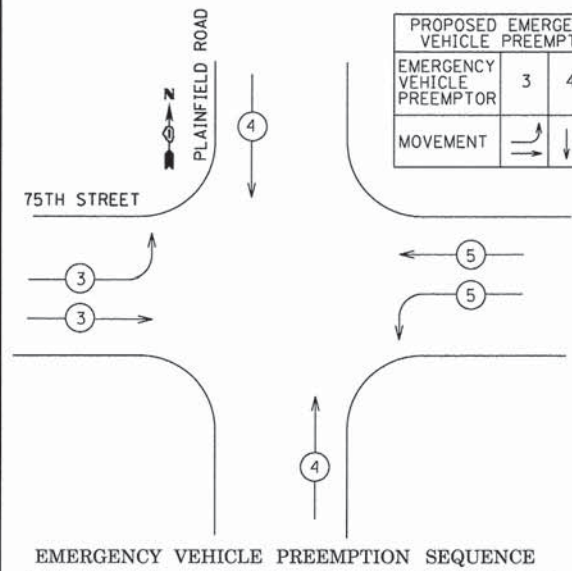


**CONTROLLER SEQUENCE**



**LEGEND**

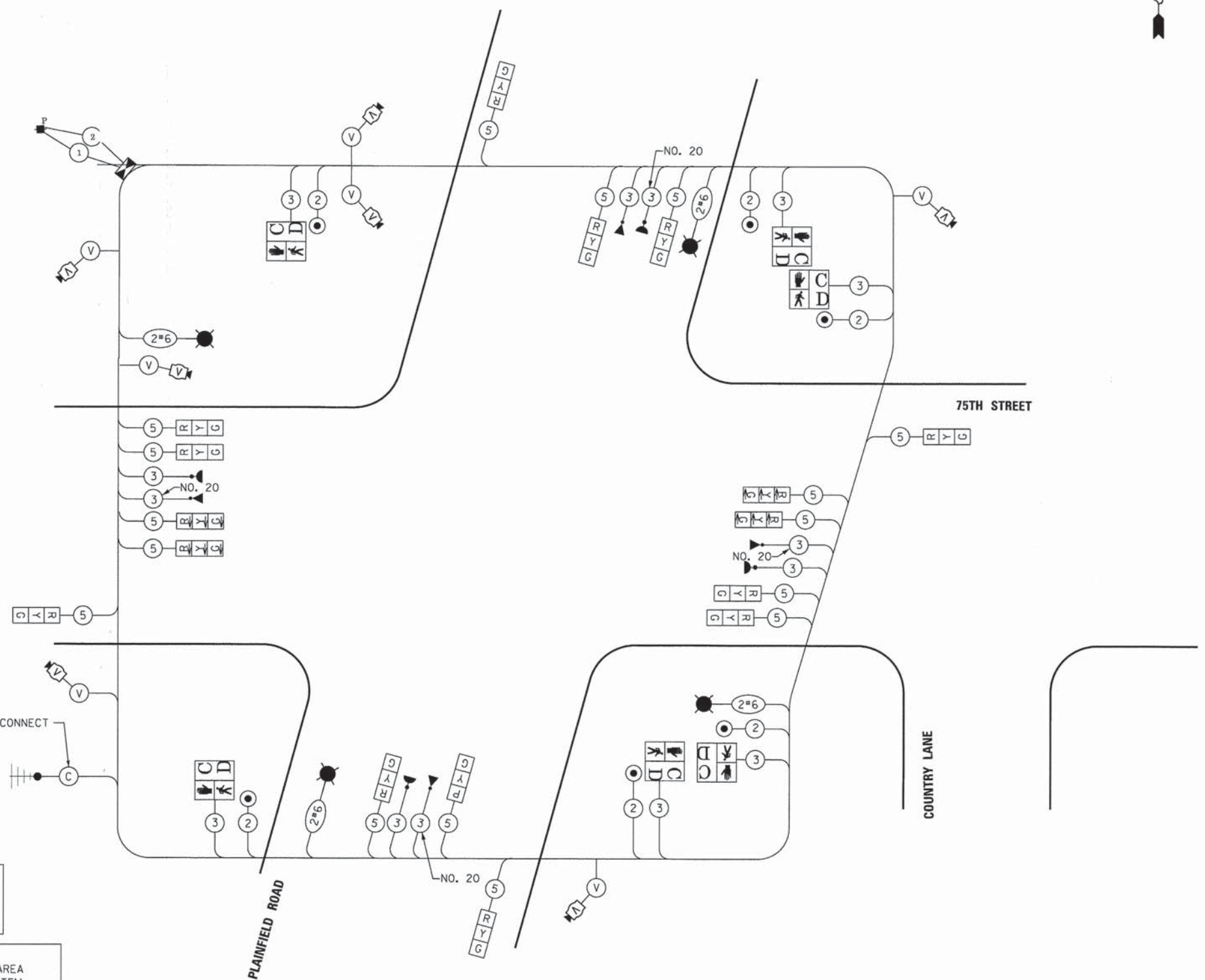
- ⊛ DUAL ENTRY PHASE
- ⊛ SINGLE ENTRY PHASE
- ◊ OVERLAP
- ⊛ PEDESTRIAN PHASE
- \* NUMBER REFERS TO ASSOCIATED PHASE



PROPOSED EMERGENCY VEHICLE PREEMPTORS			
EMERGENCY VEHICLE PREEMPTOR	3	4	5
MOVEMENT	↔	↕	↔

**EMERGENCY VEHICLE PREEMPTION SEQUENCE**

TEMPORARY RADIO INTERCONNECT TO CASS AVENUE



EMERGENCY VEHICLE PREEMPTION EQUIPMENT SHALL BE "OPTICOM" PER DUPAGE COUNTY.

NOTE:  
TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS INTERSECTION IS "ECONOLITE" TO MATCH EXISTING ADJACENT SYSTEM.

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 SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	% OPERATION	
SIGNAL (RED)	10	17	50%	85.00	
(YELLOW)	10	25	25%	62.50	
(GREEN)	10	15	25%	37.50	
ARROW	12	12	10%	14.40	
PED. SIGNAL	6	25	100%	150.00	
CONTROLLER	1	100	100%	100.00	
ILLUM. SIGN			5%	0.00	
LUMINAIRE	4	400	50%	800.00	
VIDEO SYSTEM	1	150	100%	150.00	
FLASHER			50%		
ENERGY COSTS TO: DUPAGE DOT				TOTAL =	1399.40
ENERGY SUPPLY CONTACT: VALERIE MURPHY					
PHONE: 815-724-5056					
COMPANY: COMED					



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USER NAME = #USER#	DESIGNED - JDH	REVISED - ---
PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED - ---
PLOT DATE = #DATE#	CHECKED - VJD	REVISED - ---
	DATE - 03/04/13	REVISED - ---

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**

**TEMPORARY CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE**  
75TH STREET AND PLAINFIELD ROAD - STAGE 1A, 1B, 2A, & 2B

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PV	DU PAGE	285	168
				CONTRACT NO. 63851





**LEGEND**

	PAVEMENT UNDER CONSTRUCTION IN THIS STAGE
	PAVEMENT CONSTRUCTED IN PREVIOUS STAGES
	TEMPORARY PAVEMENT

**NOTES FOR TEMPORARY TRAFFIC SIGNALS**

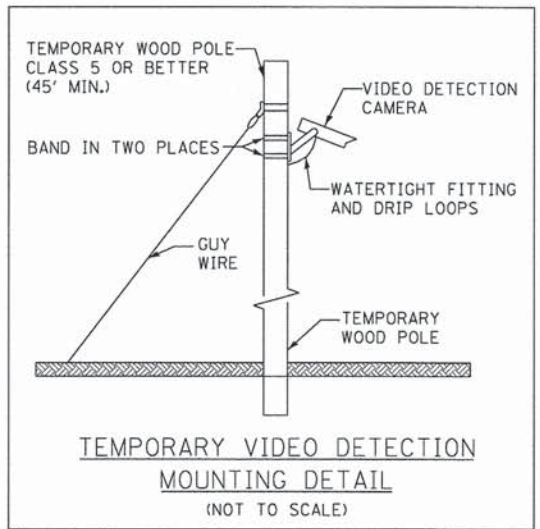
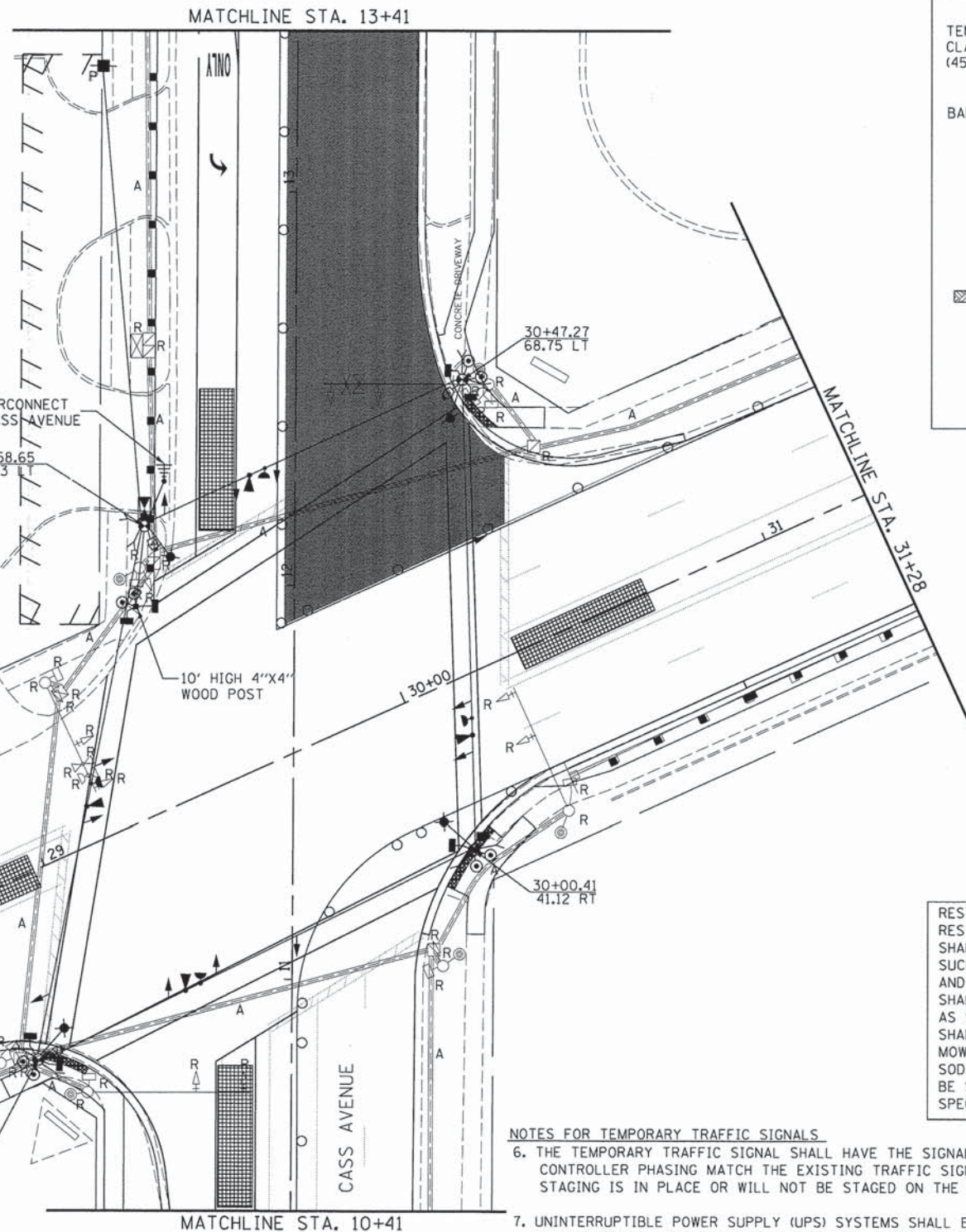
1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
2. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 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 HEADRELOCATIONS. 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.

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF DUPAGE COUNTY AND DELIVERED TO THE COUNTY'S TRAFFIC SIGNAL MAINTENANCE FACILITY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

- 1 EACH CONTROLLER & CABINET (COMPLETE)
- 1 EACH EMERGENCY PREEMPTION EQUIPMENT

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.

- 4 EACH SIGNAL HEAD, 1 FACE, 3 SECTION
- 8 EACH SIGNAL HEAD, 1 FACE, 5 SECTION
- 6 EACH PEDESTRIAN SIGNAL HEAD
- 1 EACH PEDESTRIAN SIGNAL HEAD, 2-FACE
- 5 EACH PEDESTRIAN PUSH BUTTON
- 8 EACH TRAFFIC SIGNAL BACKPLATE
- 4 EACH ALUMINUM MAST ARM AND POLE
- 3 EACH SIGNAL POST
- 1 EACH SERVICE INSTALLATION



**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.

**NOTES FOR TEMPORARY TRAFFIC SIGNALS**

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 PREEMPTION, 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 SPECIFICATIONS 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.



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	PLOT DATE = #DATE#	CHECKED - VJD	REVISED - ---
		DATE - 03/04/13	REVISED - ---

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TEMPORARY TRAFFIC SIGNAL PLANS - STAGE 1A  
 CASS AVENUE AT PLAINFIELD ROAD**

SCALE: 1"=20' SHEET NO. 15 OF 50 SHEETS STA. TO STA.

F.A.P. RTE. #	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PV	DU PAGE	285	169
CONTRACT NO. 63851				

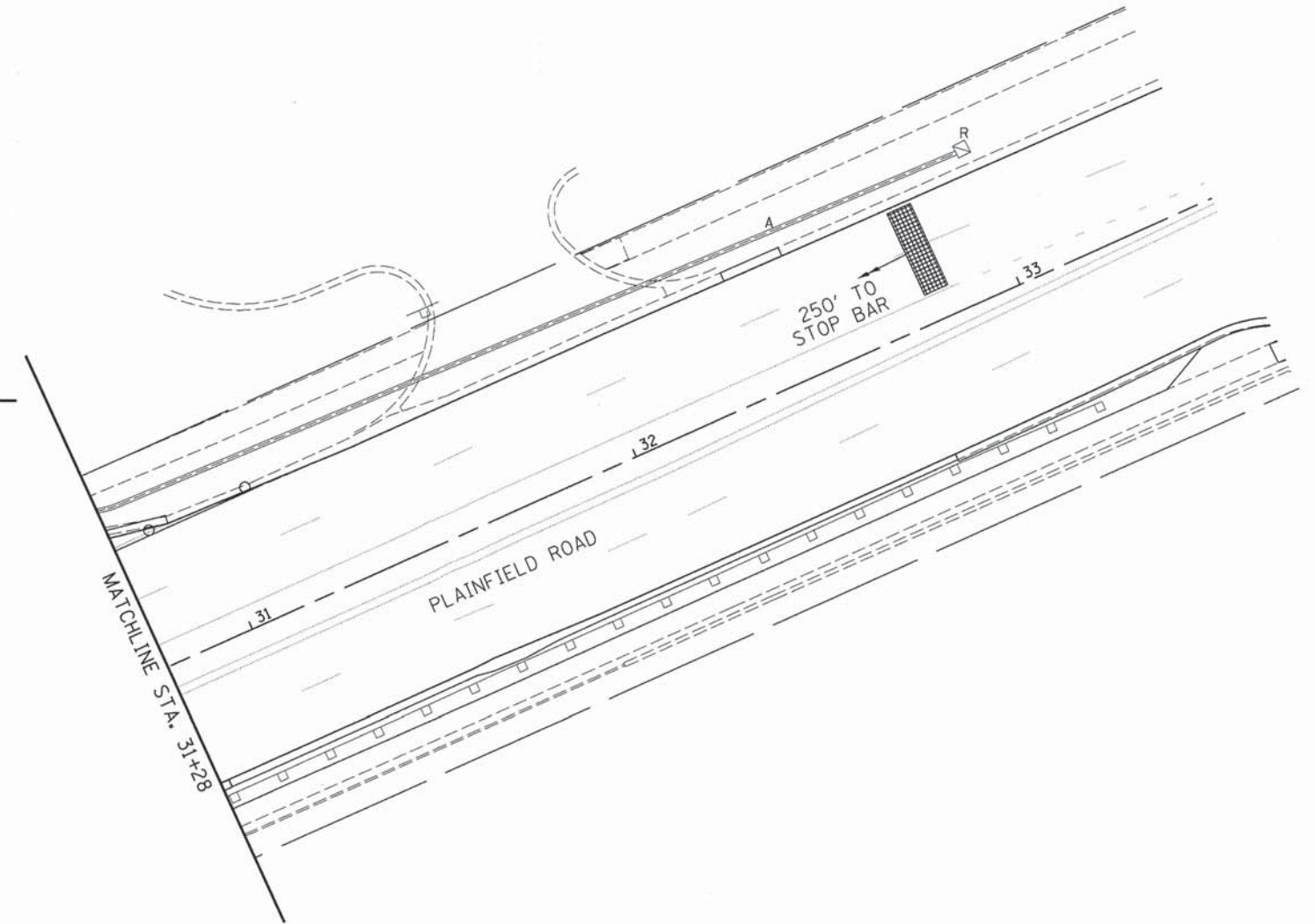
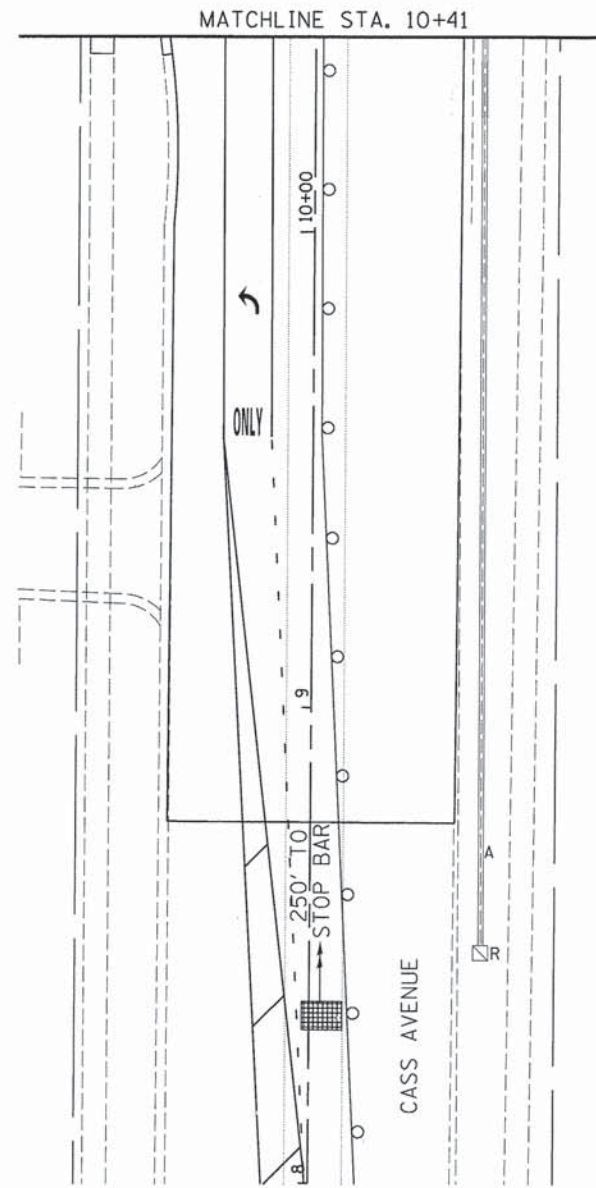
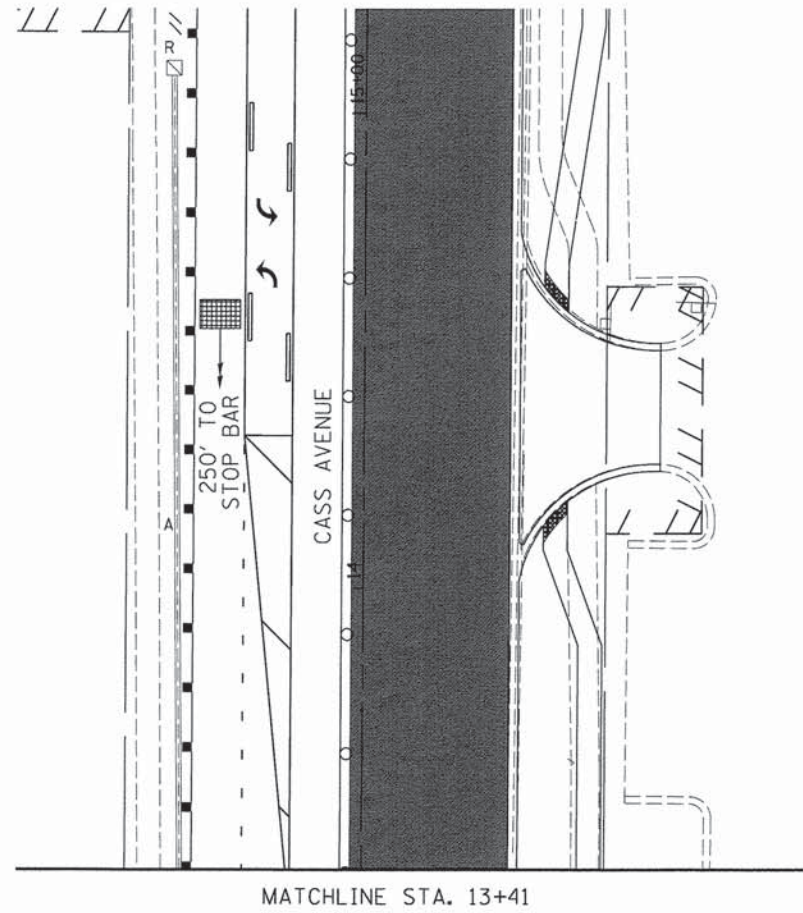
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT





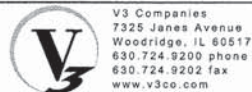
**LEGEND**

	PAVEMENT UNDER CONSTRUCTION IN THIS STAGE
	PAVEMENT CONSTRUCTED IN PREVIOUS STAGES
	TEMPORARY PAVEMENT



EMERGENCY VEHICLE PREEMPTION EQUIPMENT TO BE OPTICOM PER DUPAGE COUNTY DIVISION OF TRANSPORTATION.

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 SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.



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USER NAME = #USER#  
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 DRAWN - DRP  
 CHECKED - VJD  
 DATE - 03/04/13

REVISED - ---  
 REVISED - ---  
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 REVISED - ---

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

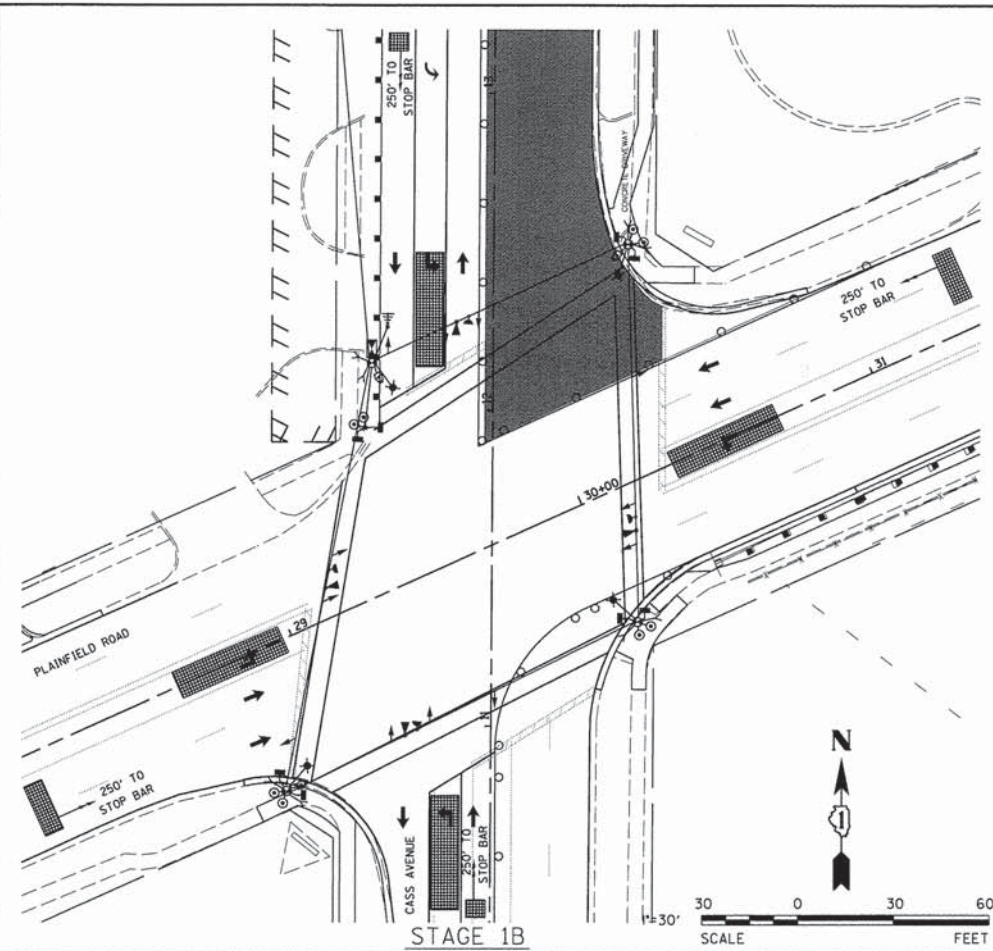
TEMPORARY TRAFFIC SIGNAL PLANS - STAGE 1A  
 CASS AVENUE AT PLAINFIELD ROAD

SCALE: 1"=20' SHEET NO. 16 OF 50 SHEETS STA. TO STA.

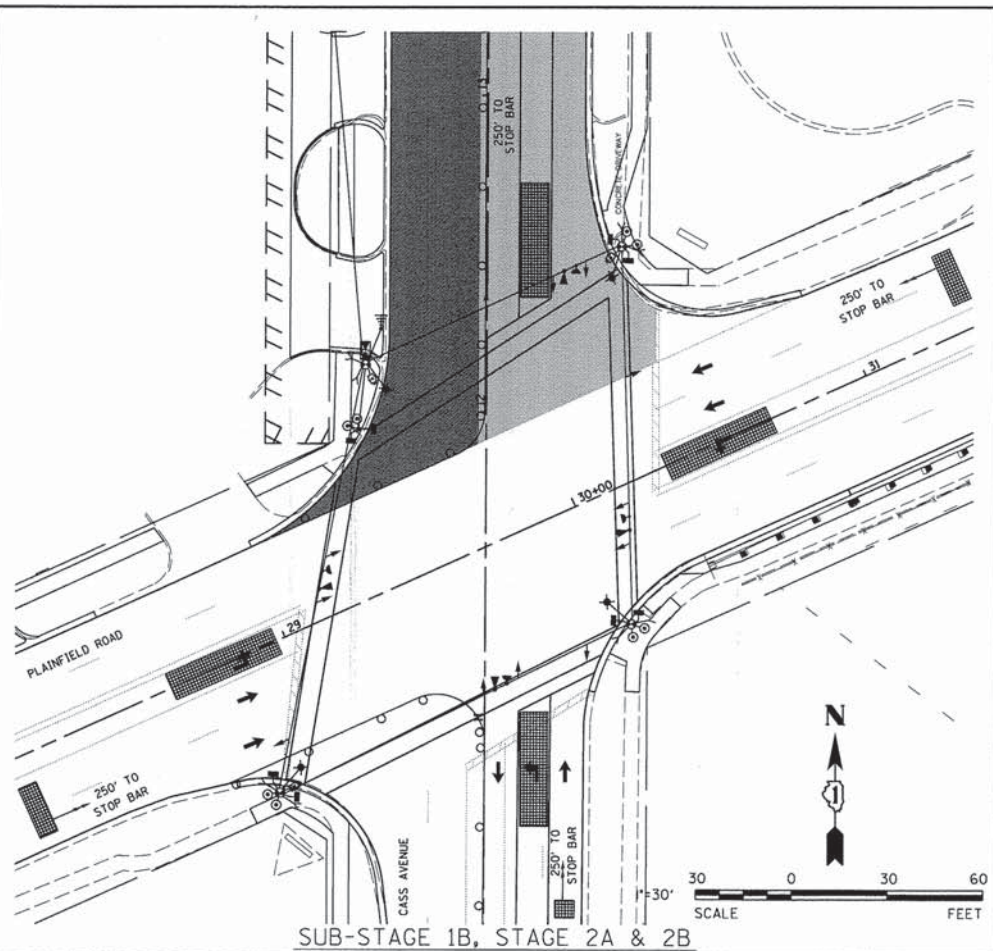
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PV	DU PAGE	285	170
CONTRACT NO. 63851				

FED. ROAD DIST. NO. 1 | ILLINOIS FED. AID PROJECT

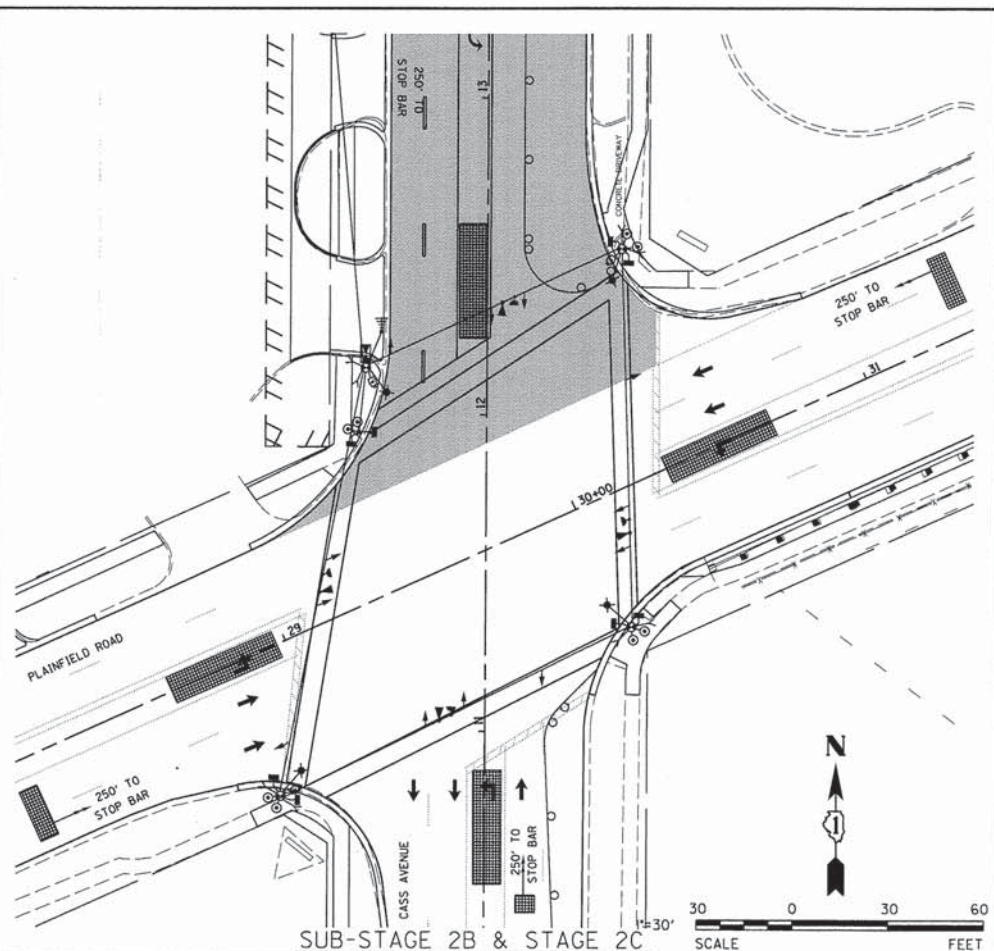




STAGE 1B



SUB-STAGE 1B, STAGE 2A & 2B



SUB-STAGE 2B & STAGE 2C

LEGEND

	PAVEMENT UNDER CONSTRUCTION IN THIS STAGE
	PAVEMENT CONSTRUCTED IN PREVIOUS STAGES
	TEMPORARY PAVEMENT



USER NAME = \$USER\$	DESIGNED - JDH	REVISED - ---
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	DATE - 03/04/13	REVISED - ---

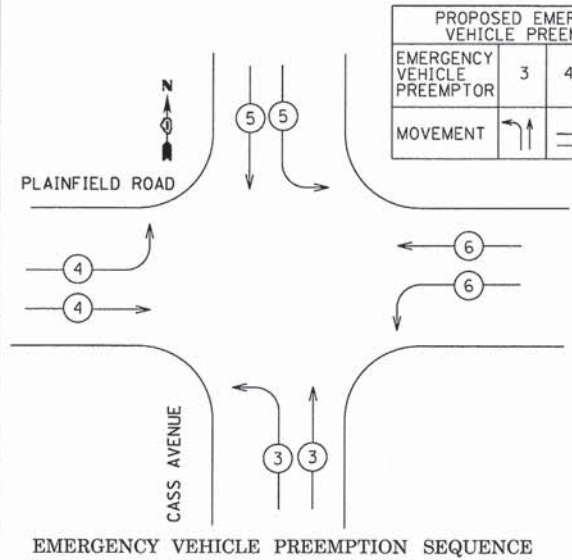
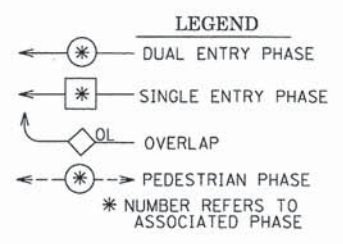
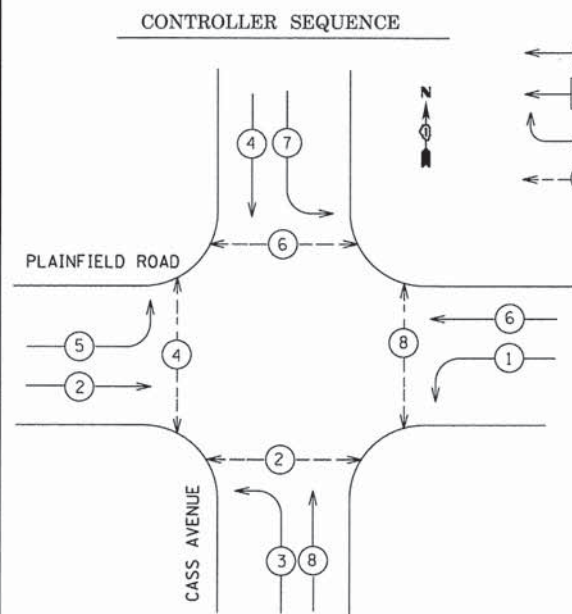
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY TRAFFIC SIGNAL PLANS - STAGE 1B, 2A, 2B AND 2C  
CASS AVENUE AT PLAINFIELD ROAD

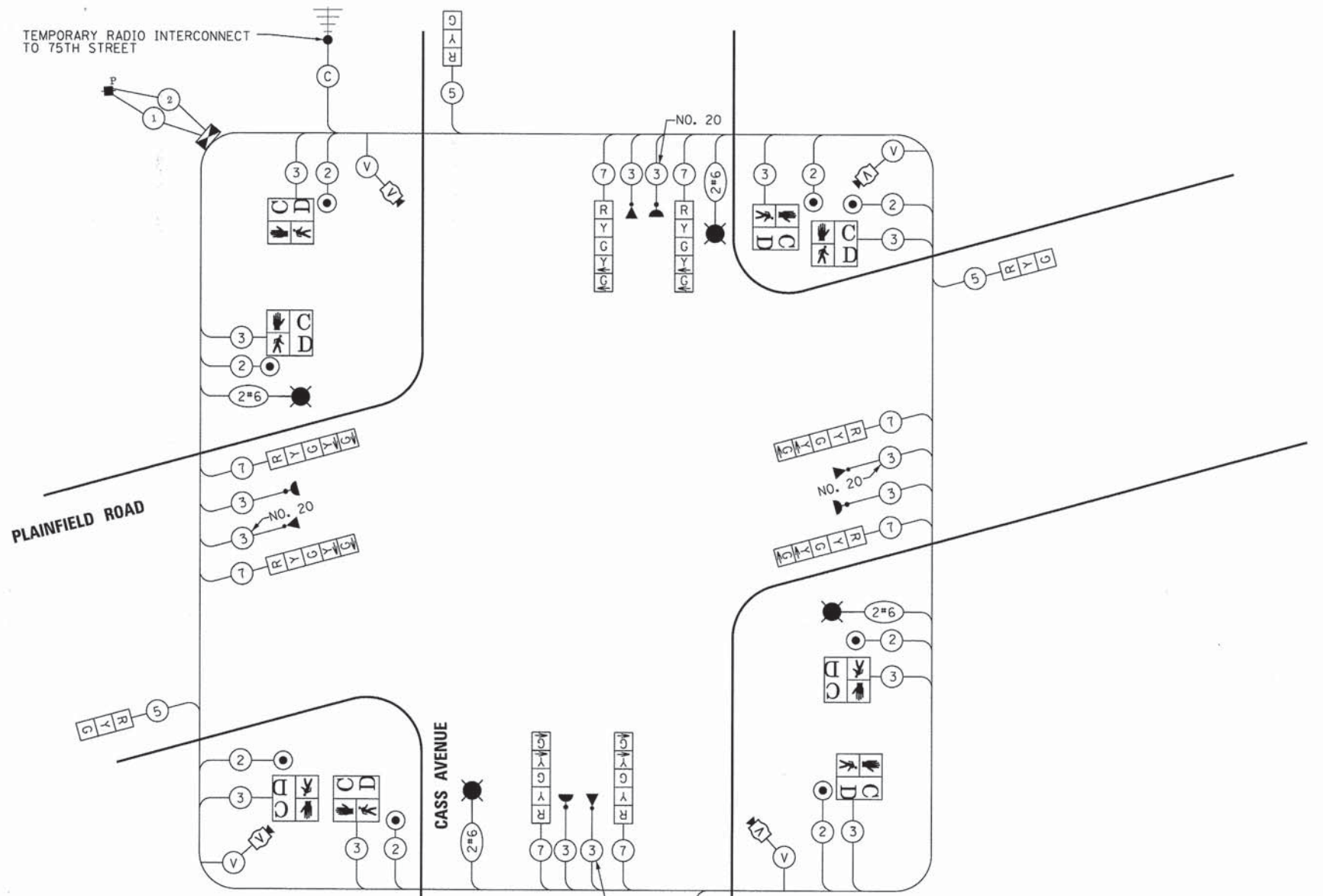
SCALE: 1"=30' SHEET NO. 17 OF 50 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PY	DU PAGE	285	171
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63851	





PROPOSED EMERGENCY VEHICLE PREEMPTORS				
EMERGENCY VEHICLE PREEMPTOR	3	4	5	6
MOVEMENT				



#### TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS*	WATTAGE INCAND.	LED	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	17		50%	102.00
(YELLOW)	12	25		25%	75.00
(GREEN)	12	15		25%	45.00
ARROW	16	12		10%	19.20
PED. SIGNAL	8	25		100%	200.00
CONTROLLER	1	100		100%	100.00
ILLUM. SIGN				5%	0.00
LUMINAIRE	4	400		50%	800.00
VIDEO SYSTEM	1	150		100%	150.00
FLASHER				50%	
ENERGY COSTS TO: DUPAGE DOT 421 N. COUNTY FARM ROAD WHEATON, IL 60187-2553					TOTAL = 1491.20
ENERGY SUPPLY CONTACT: VALERIE MURPHY					
PHONE: 815-724-5056					
COMPANY: COMED					

EMERGENCY VEHICLE PREEMPTION EQUIPMENT SHALL BE "OPTICOM" PER DUPAGE COUNTY.

NOTE: TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS INTERSECTION IS "ECONOLITE" TO MATCH EXISTING ADJACENT SYSTEM.

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 SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.



USER NAME = #USER#  
 DESIGNED - JDH  
 DRAWN - DRP  
 CHECKED - VJD  
 DATE - 03/04/13

REVISIONS:  
 REVISED - ---  
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

TEMPORARY CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE  
 75TH STREET AND CASS AVENUE - STAGE 1A, 1B, 2A, 2B & 2C  
 SCALE: N.T.S. SHEET NO. 18 OF 50 SHEETS

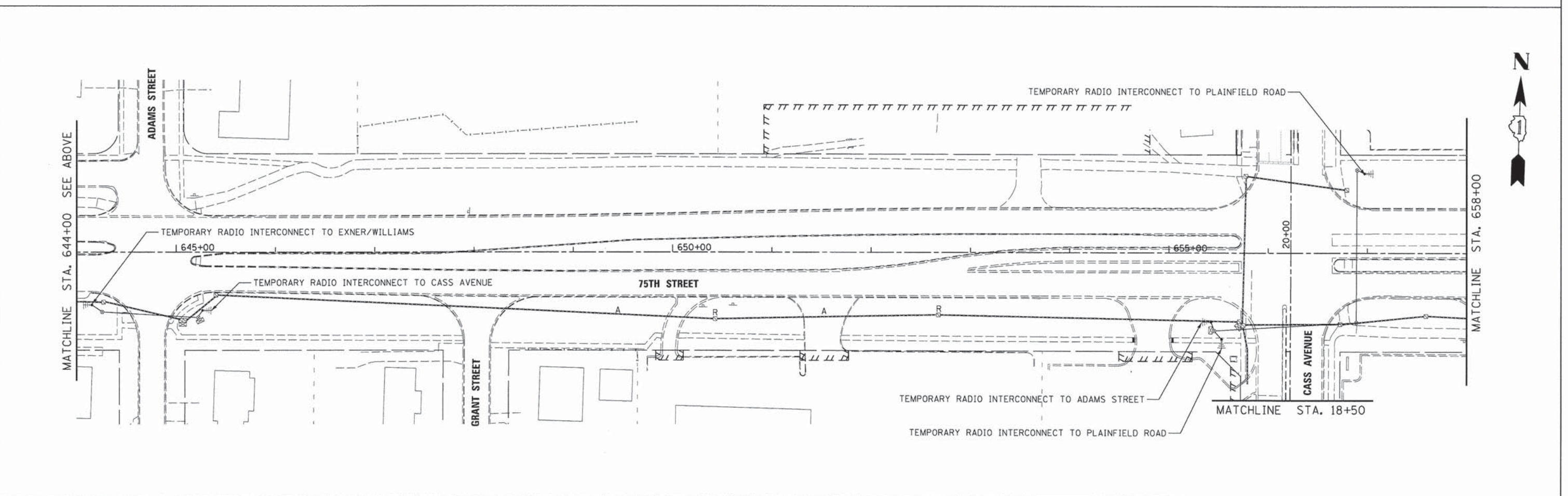
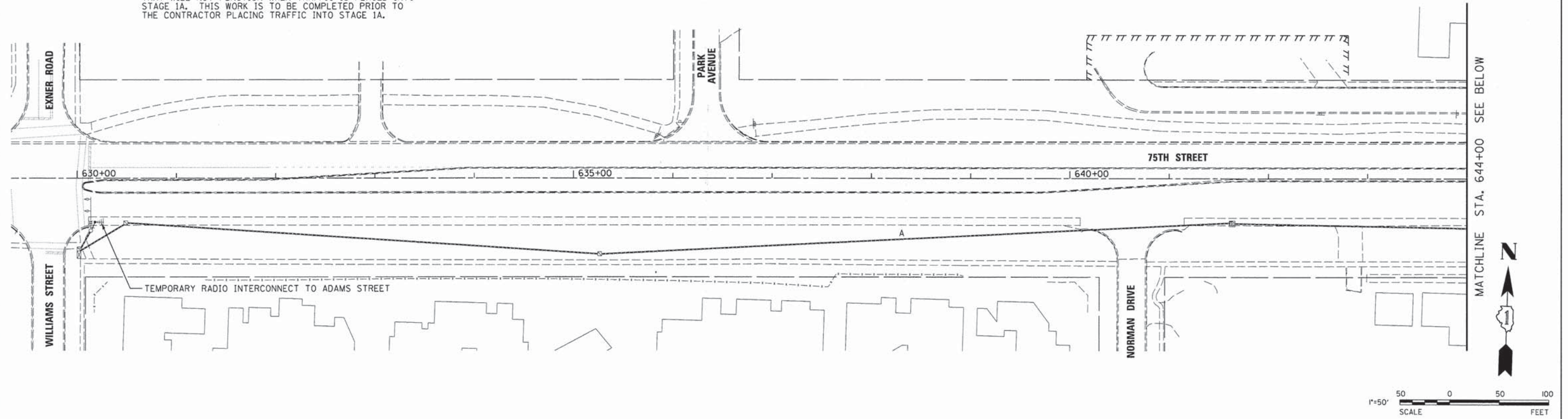
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PV	DU PAGE	285	172
				CONTRACT NO. 63851

FED. ROAD DIST. NO. 1 | ILLINOIS FED. AID PROJECT



NOTES:

1. THE CONTRACTOR IS TO COORDINATE WITH DUPAGE COUNTY DIVISION OF TRANSPORTATION TO HAVE COUNTY FORCES REPROGRAM THE TRAFFIC SIGNAL CONTROLLER AT 75TH STREET AND EXNER/WILLIAMS. THE CONTROLLER IS TO BE REPROGRAMMED TO ACCOUNT FOR LOOP DETECTION THAT WILL NOT FUNCTION WHEN TRAFFIC IS PLACED INTO STAGE 1A. THIS WORK IS TO BE COMPLETED PRIOR TO THE CONTRACTOR PLACING TRAFFIC INTO STAGE 1A.



USER NAME = #USERS	DESIGNED - JDH	REVISED - ---
PLLOT SCALE = #SCALE#	DRAWN - DRP	REVISED - ---
PLLOT DATE = #DATE#	CHECKED - VJD	REVISED - ---
	DATE - 03/04/13	REVISED - ---

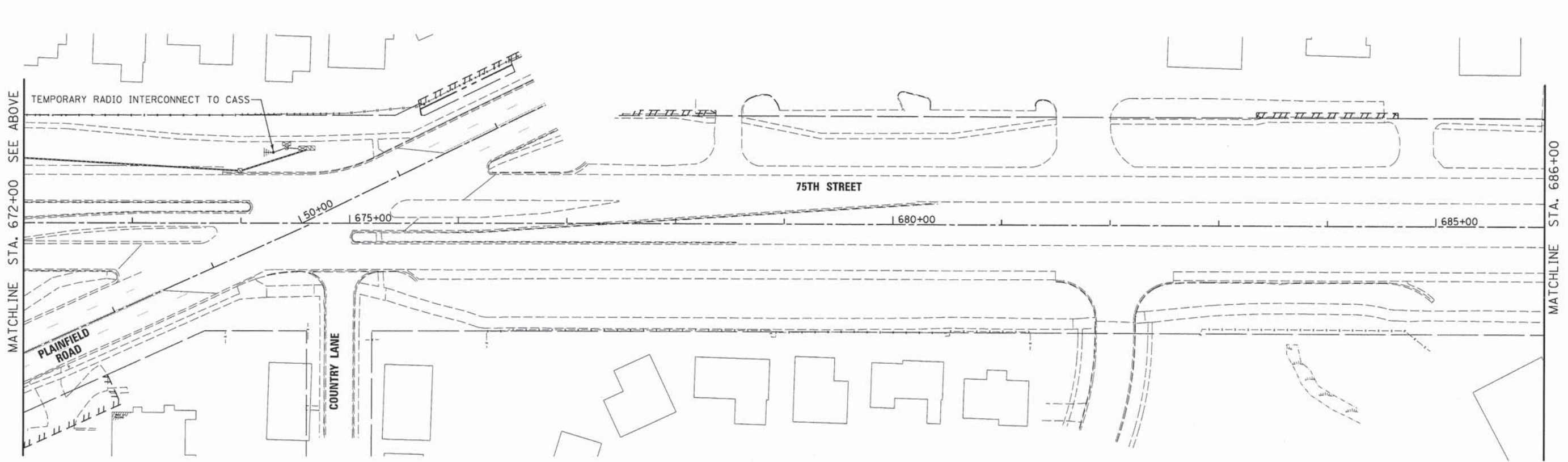
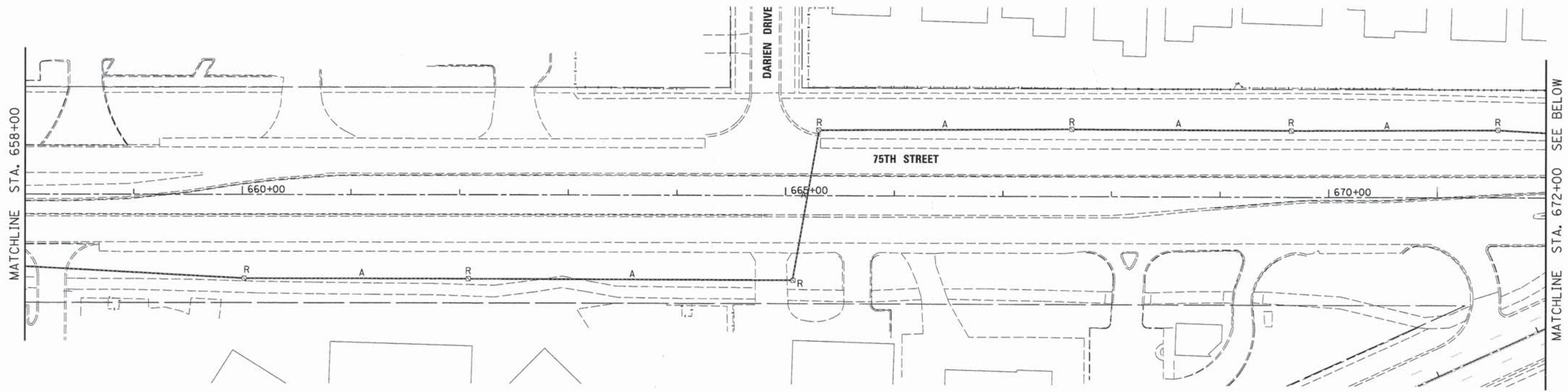
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY INTERCONNECT PLANS

SCALE: 1"=50' SHEET NO. 19 OF 50 SHEETS STA. 630+00 TO STA. 658+00

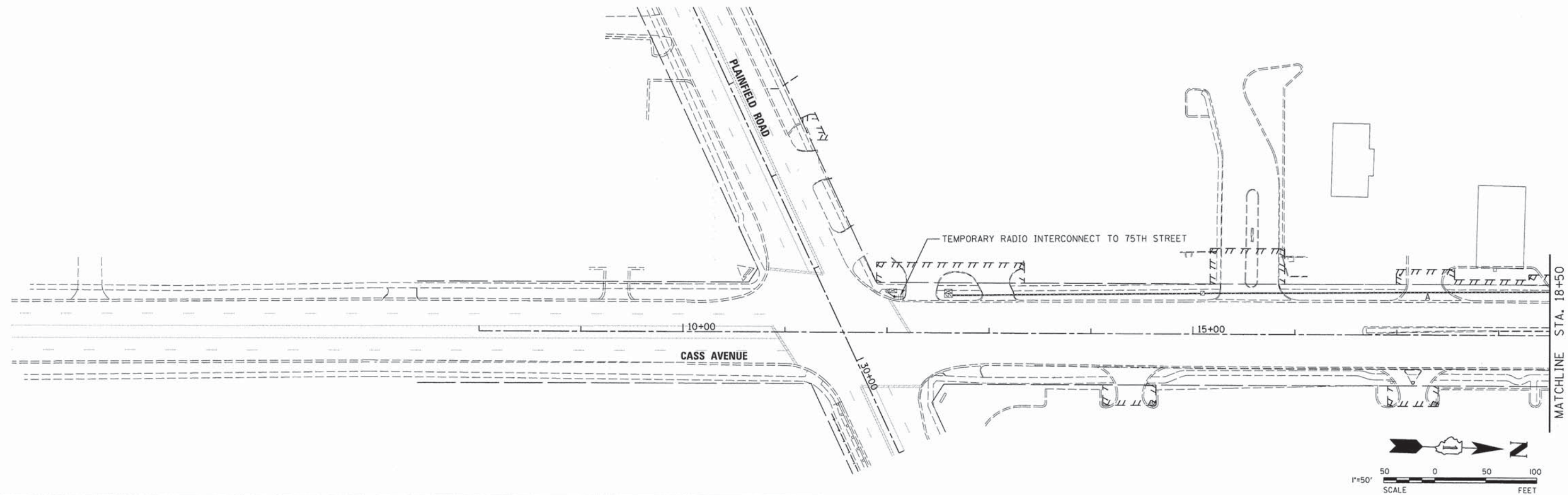
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PV	DU PAGE	285	173
CONTRACT NO. 63851				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				





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	PLOT SCALE = #SCALE#	CHECKED - VJD	REVISED - ---		SCALE: 1"=50'	SHEET NO. 20 OF 50 SHEETS	STA. 658+00 TO STA. 686+00	CONTRACT NO. 63851					
	PLOT DATE = #DATE#	DATE - 03/04/13	REVISED - ---		FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT								





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USER NAME = #USER#	DESIGNED - JDH	REVISED - ---
PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED - ---
PLOT DATE = #DATE#	CHECKED - VJD	REVISED - ---
	DATE - 03/04/13	REVISED - ---

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**TEMPORARY INTERCONNECT PLAN**

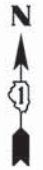
SCALE: 1"=50'    SHEET NO. 21 OF 50 SHEETS    STA. 08+00 TO STA. 30+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PV	DU PAGE	285	175
CONTRACT NO. 63851				
FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT				

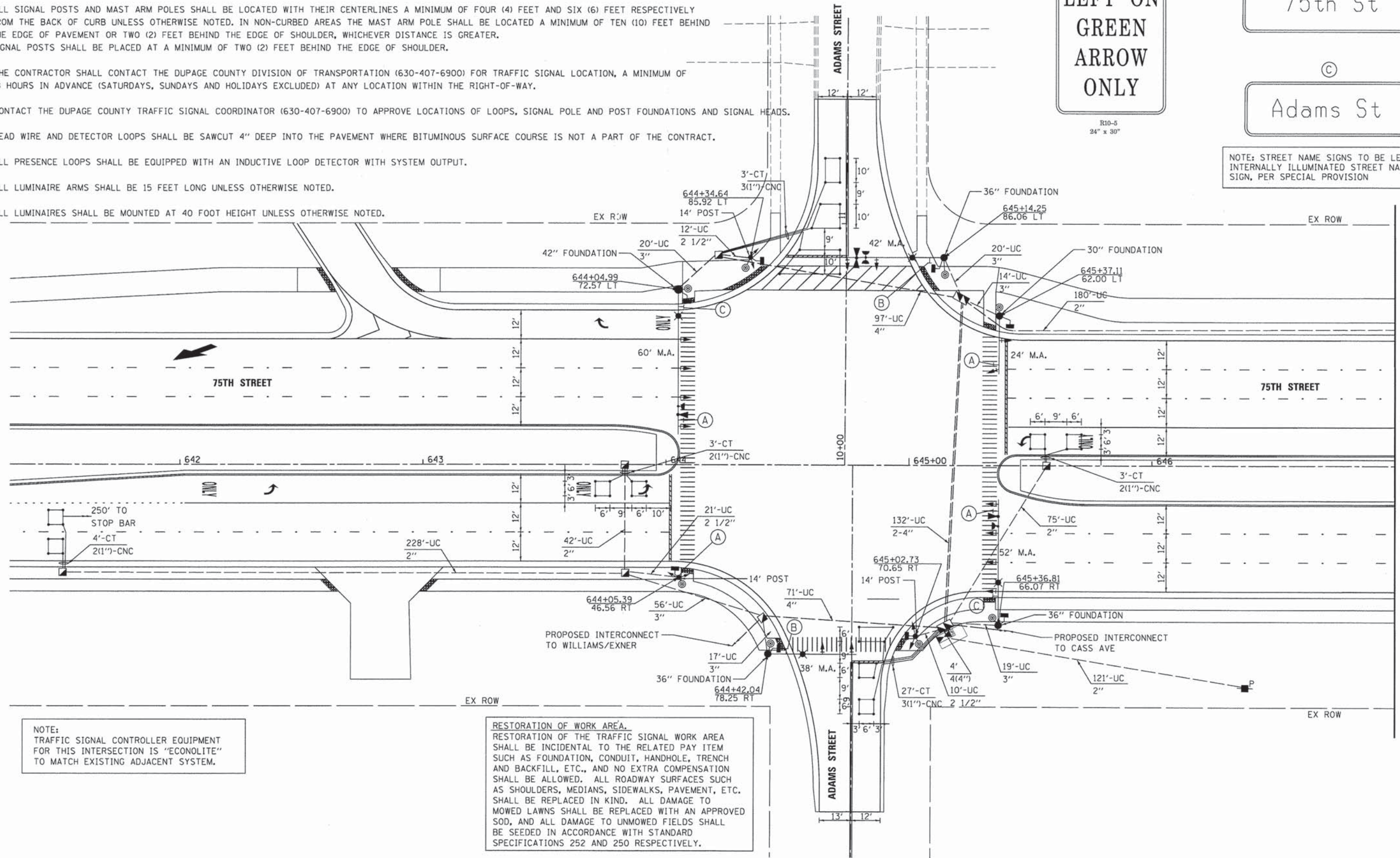


**TRAFFIC SIGNAL NOTES**

1. THE REMOVAL AND REPLACEMENT OF SIDEWALK, DRIVEWAY, MEDIAN AND ISLAND SURFACE PAVING AT HANDHOLES, JACKING PITS AND INSPECTION OPENINGS SHALL BE SAW CUT AROUND THE AREA TO BE REMOVED. THE REMOVAL AND REPLACEMENT OF SIDEWALK, DRIVEWAY, MEDIAN AND ISLAND SURFACE PAVING WILL BE PAID FOR SEPARATELY.
2. THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE THE INSTALLATION OF ANY COMPONENTS OF THE TRAFFIC SIGNAL SYSTEM. FOR LOCATION OF UTILITIES, CALL J.U.L.I.E. AT 1-800-892-0123.
3. ALL SIGNAL POSTS AND MAST ARM POLES SHALL BE LOCATED WITH THEIR CENTERLINES A MINIMUM OF FOUR (4) FEET AND SIX (6) FEET RESPECTIVELY FROM THE BACK OF CURB UNLESS OTHERWISE NOTED. IN NON-CURBED AREAS THE MAST ARM POLE SHALL BE LOCATED A MINIMUM OF TEN (10) FEET BEHIND THE EDGE OF PAVEMENT OR TWO (2) FEET BEHIND THE EDGE OF SHOULDER, WHICHEVER DISTANCE IS GREATER. SIGNAL POSTS SHALL BE PLACED AT A MINIMUM OF TWO (2) FEET BEHIND THE EDGE OF SHOULDER.
4. THE CONTRACTOR SHALL CONTACT THE DUPAGE COUNTY DIVISION OF TRANSPORTATION (630-407-6900) FOR TRAFFIC SIGNAL LOCATION, A MINIMUM OF 48 HOURS IN ADVANCE (SATURDAYS, SUNDAYS AND HOLIDAYS EXCLUDED) AT ANY LOCATION WITHIN THE RIGHT-OF-WAY.
5. CONTACT THE DUPAGE COUNTY TRAFFIC SIGNAL COORDINATOR (630-407-6900) TO APPROVE LOCATIONS OF LOOPS, SIGNAL POLE AND POST FOUNDATIONS AND SIGNAL HEADS.
6. LEAD WIRE AND DETECTOR LOOPS SHALL BE SAWCUT 4" DEEP INTO THE PAVEMENT WHERE BITUMINOUS SURFACE COURSE IS NOT A PART OF THE CONTRACT.
7. ALL PRESENCE LOOPS SHALL BE EQUIPPED WITH AN INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT.
8. ALL LUMINAIRE ARMS SHALL BE 15 FEET LONG UNLESS OTHERWISE NOTED.
9. ALL LUMINAIRES SHALL BE MOUNTED AT 40 FOOT HEIGHT UNLESS OTHERWISE NOTED.



NOTE: STREET NAME SIGNS TO BE LED INTERNALLY ILLUMINATED STREET NAME SIGN, PER SPECIAL PROVISION



**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 SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.



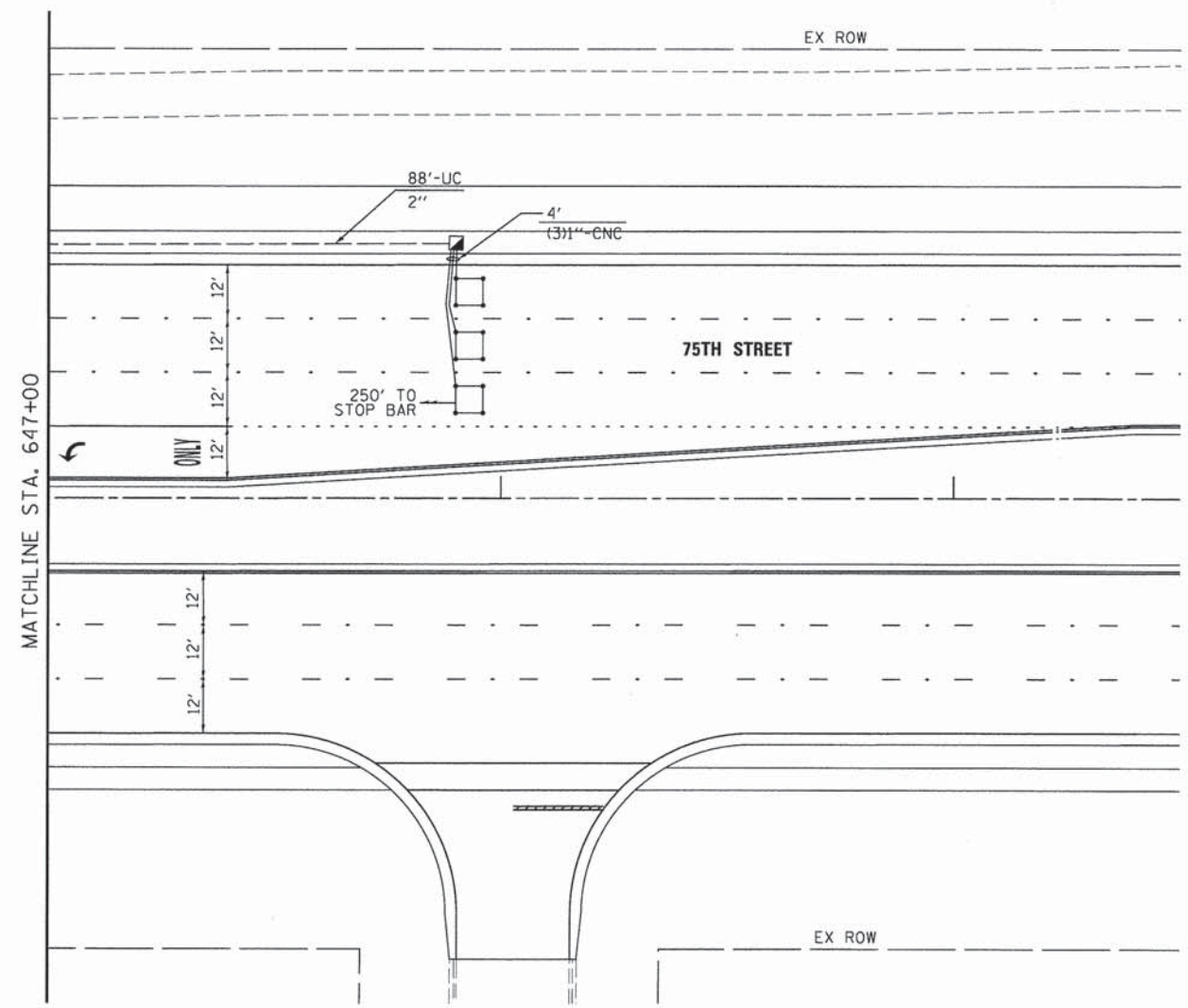
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PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED - ---
PLOT DATE = #DATE#	CHECKED - VJD	REVISED - ---
	DATE - 03/04/13	REVISED - ---

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL INSTALLATION PLAN**  
**75TH STREET AT ADAMS STREET**  
 SCALE: 1"=20' SHEET NO. 22 OF 50 SHEETS


F.A.P. RTE. 0369	SECTION 12-00233-07-PV	COUNTY DU PAGE	TOTAL SHEETS 285	SHEET NO. 176
CONTRACT NO. 63851				
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				



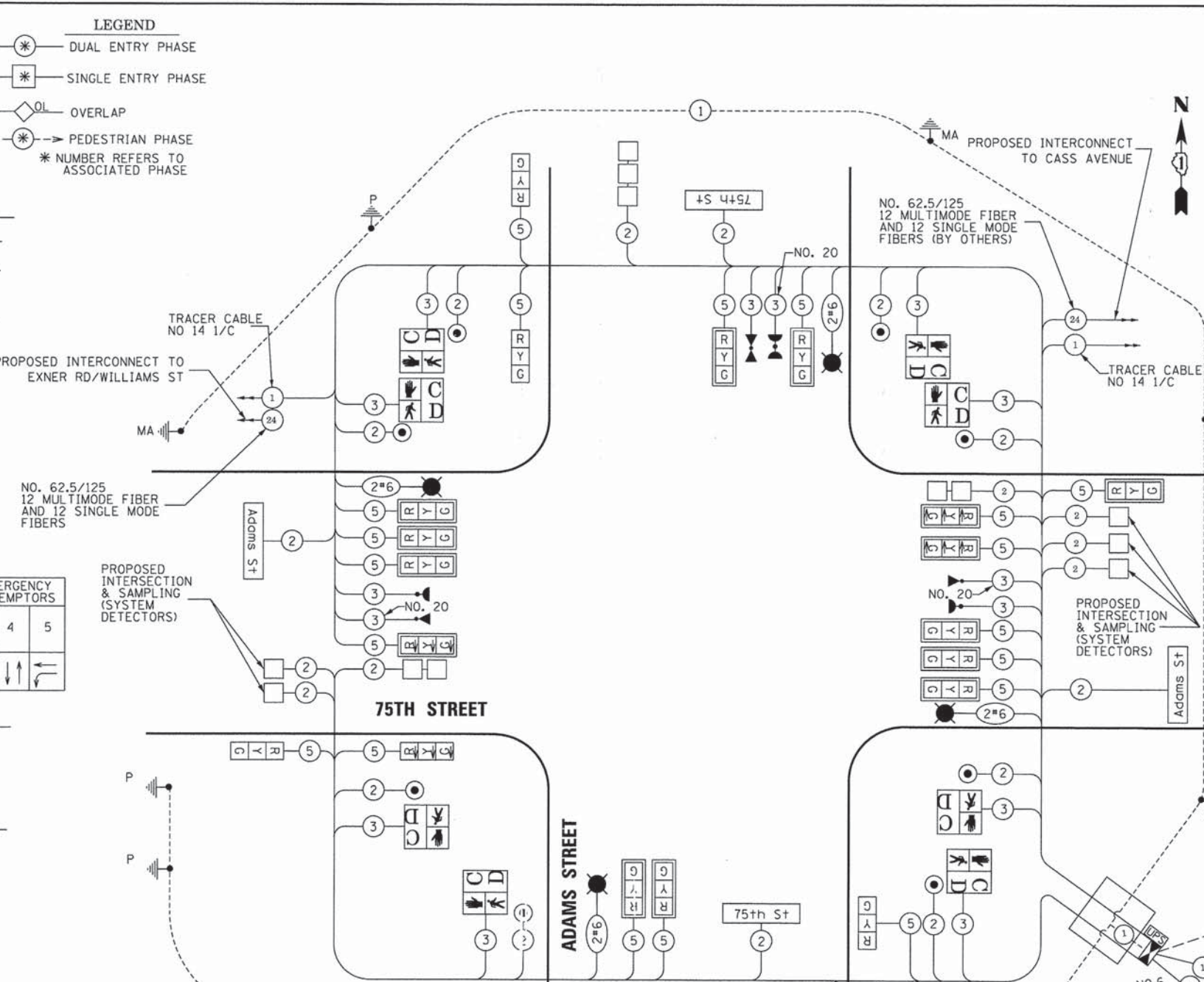
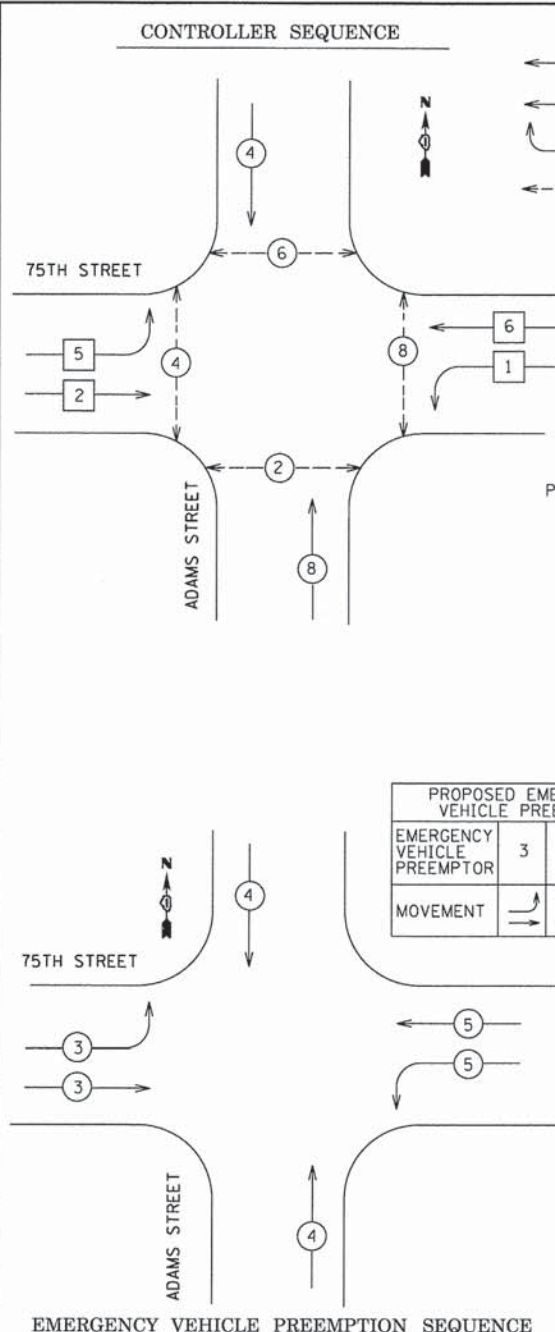


NOTE:  
TRAFFIC SIGNAL CONTROLLER EQUIPMENT  
FOR THIS INTERSECTION IS "ECONOLITE"  
TO MATCH EXISTING ADJACENT SYSTEM.

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 SEEDED IN ACCORDANCE WITH STANDARD  
SPECIFICATIONS 252 AND 250 RESPECTIVELY.

 V3 Companies 7325 Janes Avenue Woodridge, IL 60517 630.724.9200 phone 630.724.9202 fax www.v3co.com	USER NAME = #USER#	DESIGNED - JDH	REVISED - ---	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC SIGNAL INSTALLATION PLAN</b> <b>75TH STREET AT ADAMS STREET</b>	F.A.P. RTE. 0369	SECTION 12-00233-07-PV	COUNTY DU PAGE	TOTAL SHEETS 285	SHEET NO. 177	
	PLOT SCALE = #SCALE#	CHECKED - VJD	REVISED - ---			SCALE: 1"=20'	SHEET NO. 23 OF 50 SHEETS	CONTRACT NO. 63851			
	PLOT DATE = #DATE#	DATE - 03/04/13	REVISED - ---			FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT					





PAY CODE NO.	PAY ITEM	UNIT	QUANTITY
80500020	SERVICE INSTALLATION POLE MOUNTED	EACH	1
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	741
81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	43
81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	146
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	448
81400100	HANDHOLE	EACH	7
81400300	DOUBLE HANDHOLE	EACH	2
81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE), 1/C NO. 6	FOOT	1,875
82103400	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO-CELL CONTROL, 400 WATT	EACH	4
86400100	TRANSCIVER-FIBER OPTIC	EACH	1
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2/C	FOOT	1,988
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3/C	FOOT	2,155
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5/C	FOOT	4,157
87301305	ELECTRIC CABLE IN CONDUIT LEAD-IN, NO 14, 1-PAIR	FOOT	2,753
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE NO. 6 2/C	FOOT	156
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR NO 6 1/C	FOOT	1,017
87502480	TRAFFIC SIGNAL POST, GALVANIZED STEEL, 14 FT	EACH	3
87700160	STEEL MAST ARM ASSEMBLY AND POLE 24 FT.	EACH	1
87702920	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT.	EACH	1
87702940	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT.	EACH	1
87702985	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 52 FT.	EACH	1
87703030	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 60 FT.	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	12
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4
87800400	CONCRETE FOUNDATION, TYPE E, 30" DIA	FOOT	10
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	39
87800420	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	21
88030020	SIGNAL HEAD, LED 1 FACE, 3 SECTION MAST ARM MOUNTED	EACH	14
88030210	SIGNAL HEAD, LED 2 FACE, 3 SECTION, BRACKET MOUNTED	EACH	3
88102717	PEDESTRIAN SIGNAL HEAD, LED, 1 FACE, BRACKET MOUNTED W/ COUNTDOWN TIMER	EACH	8
88200100	TRAFFIC SIGNAL BACKPLATE	EACH	14
88500100	INDUCTIVE LOOP DETECTOR	EACH	9
88600100	DETECTOR LOOP, TYPE 1	FOOT	792
88700200	LIGHT DETECTOR	EACH	3
88700300	LIGHT DETECTOR AMPLIFIER	EACH	1
88800100	PEDESTRIAN PUSH-BUTTON	EACH	8
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
89502380	REMOVE EXISTING HANDHOLE	EACH	7
89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	10
X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE NO. 20 3C	FOOT	718
X8570226	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
X8620200	UNINTERRUPTIBLE POWER SUPPLY, SPECIAL	EACH	1
20073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
XX005937	LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4

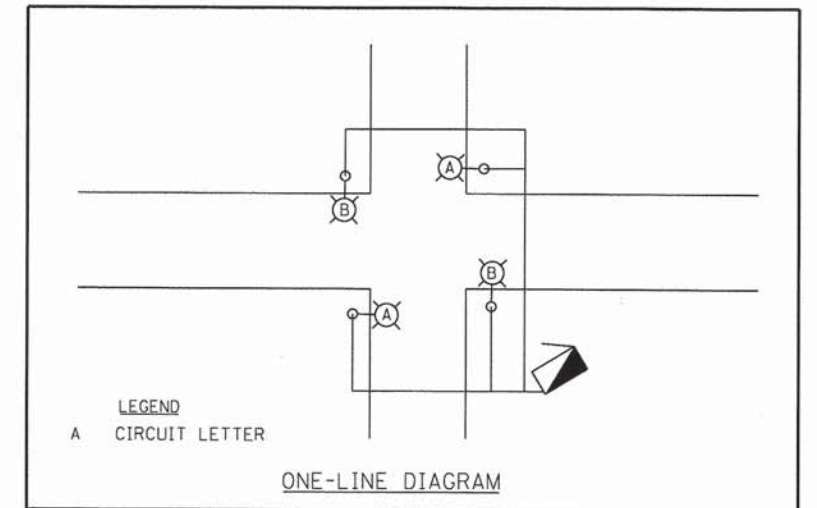
TYPE	NO. LAMPS	WATTAGE (INCAND.)	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	16	17	50%	136.00
(YELLOW)	16	25	25%	100.00
(GREEN)	16	15	25%	60.00
ARROW	12	12	10%	14.40
PED. SIGNAL	8	25	100%	200.00
CONTROLLER	1	100	100%	100.00
ILLUM. SIGN	4	60	50%	120.00
LUMINAIRE	4	400	50%	800.00
FLASHER			50%	
ENERGY COSTS TO: DUPAGE DOT 421 N. COUNTY FARM ROAD WHEATON, IL 60187-2553				TOTAL = 1530.40
ENERGY SUPPLY CONTACT: VALERIE MURPHY				
PHONE: 815-724-5056				
COMPANY: COMED				

EMERGENCY VEHICLE PREEMPTION EQUIPMENT SHALL BE "OPTICOM" PER DUPAGE COUNTY.

NOTE: TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS INTERSECTION IS "ECONOLITE" TO MATCH EXISTING ADJACENT SYSTEM.

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 SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

CABLE PLAN



USER NAME = #USER#	DESIGNED - JDH	REVISED - ---
PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED - ---
PLOT DATE = #DATE#	CHECKED - VJD	REVISED - ---
	DATE - 03/04/13	REVISED - ---

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE  
75TH STREET AND ADAMS STREET

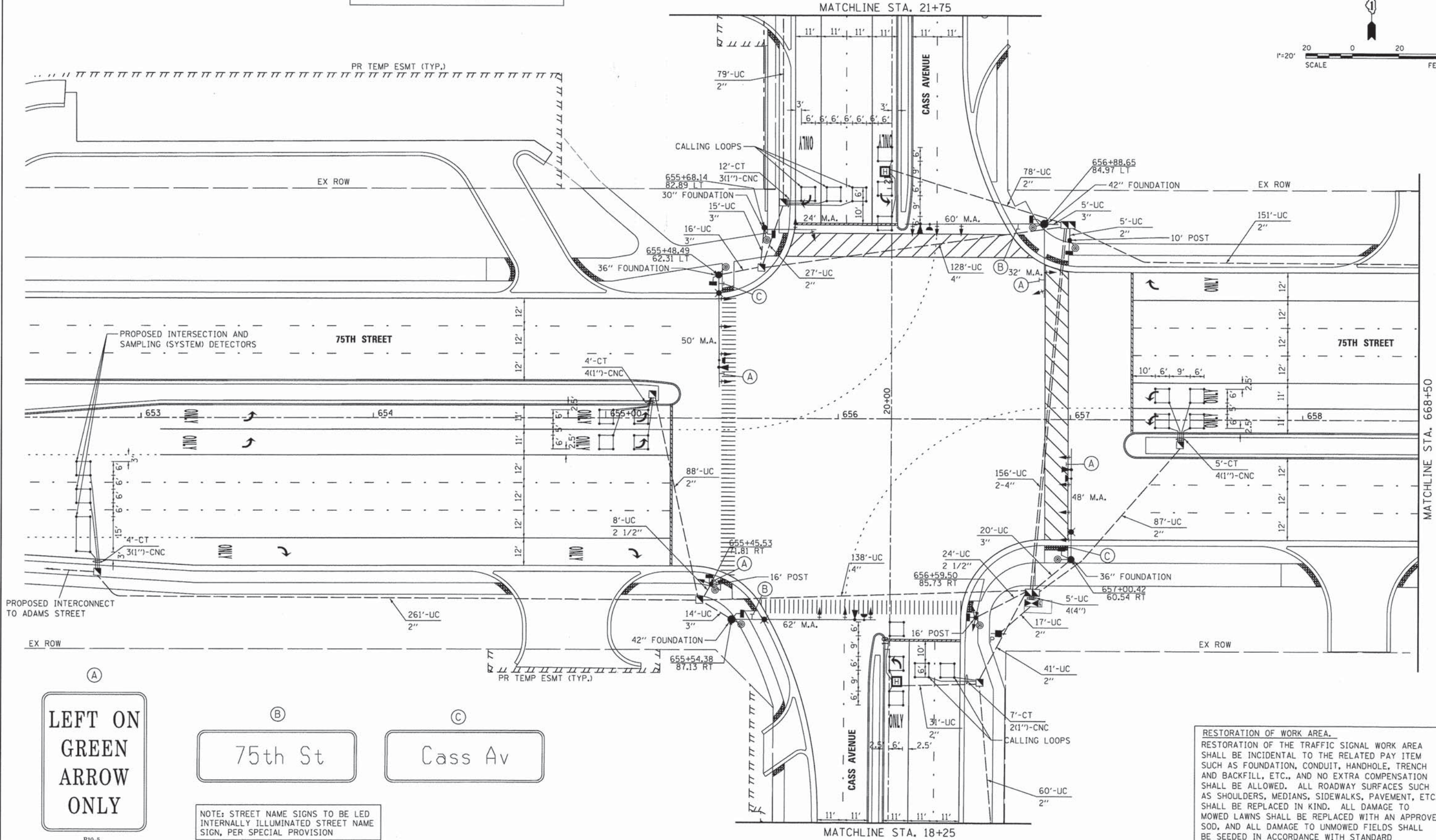
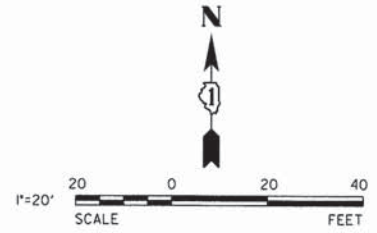
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PV	DU PAGE	285	178
CONTRACT NO. 63851				



**TRAFFIC SIGNAL NOTES**

1. SEE SHEET 176 FOR TRAFFIC SIGNAL NOTES.

NOTE:  
TRAFFIC SIGNAL CONTROLLER EQUIPMENT  
FOR THIS INTERSECTION IS "ECONOLITE"  
TO MATCH EXISTING ADJACENT SYSTEM.



NOTE: STREET NAME SIGNS TO BE LED INTERNALLY ILLUMINATED STREET NAME SIGN, PER SPECIAL PROVISION

**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 SEEDDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.



USER NAME = #USER#	DESIGNED - JDH	REVISED - ---
PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED - ---
PLOT DATE = #DATE#	CHECKED - VJD	REVISED - ---
	DATE - 03/04/13	REVISED - ---

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL INSTALLATION PLAN  
75TH STREET AT CASS AVENUE**

SCALE: 1"=20' SHEET NO. 25 OF 50 SHEETS

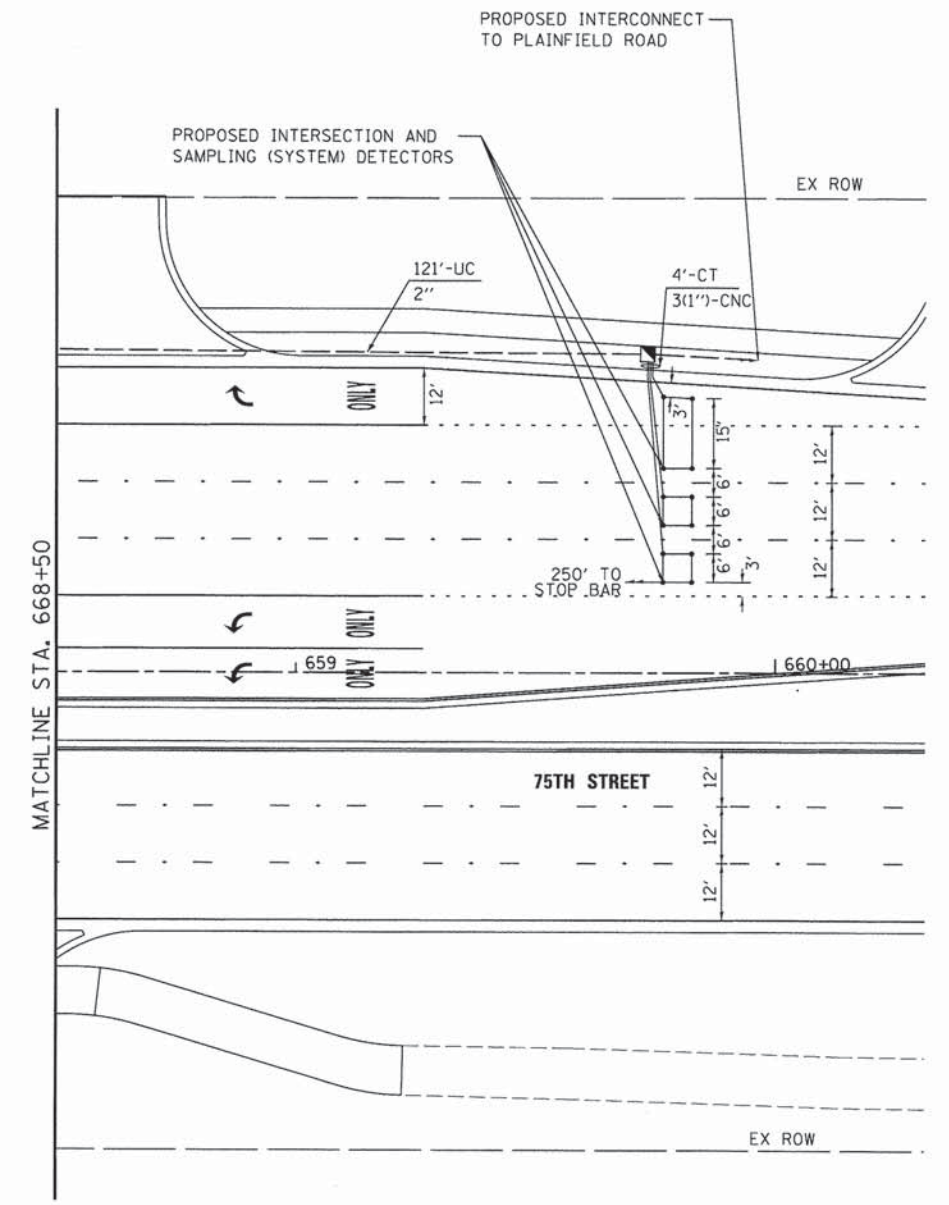
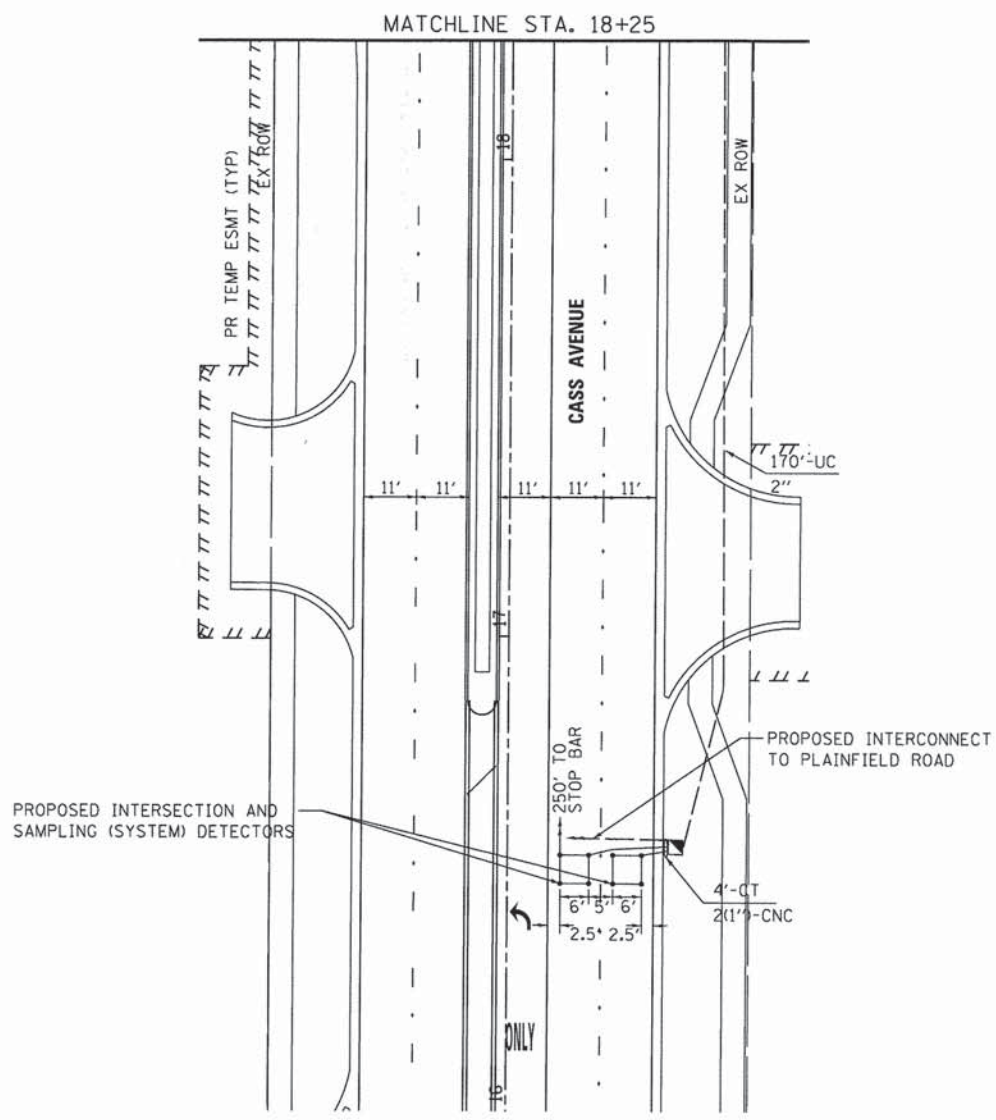
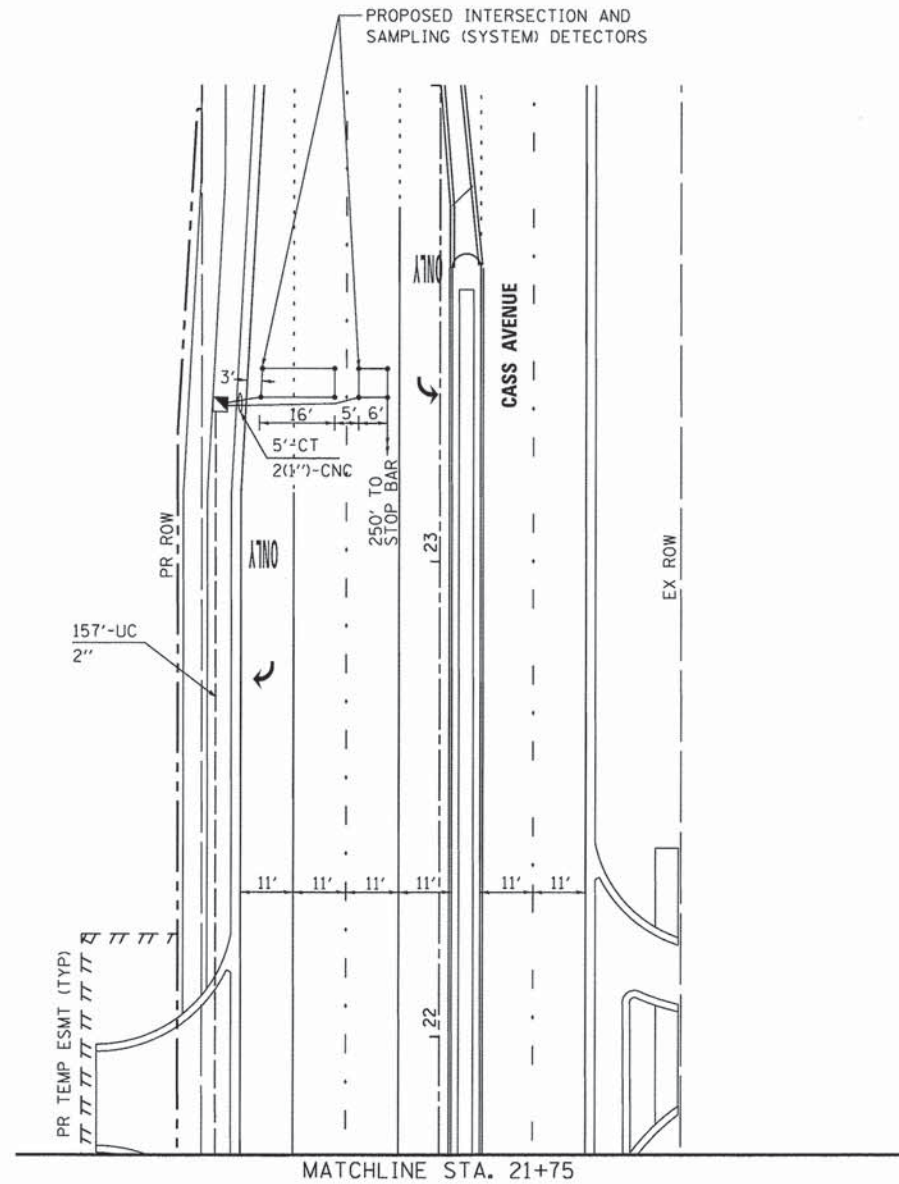
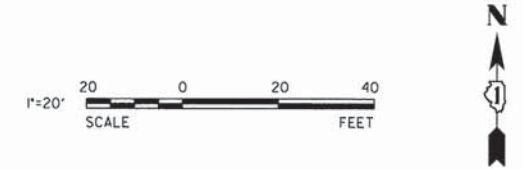
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PV	DU PAGE	285	179
CONTRACT NO. 63851				

FED. ROAD DIST. NO. 1 | ILLINOIS FED. AID PROJECT



NOTE:  
TRAFFIC SIGNAL CONTROLLER EQUIPMENT  
FOR THIS INTERSECTION IS "ECONOLITE"  
TO MATCH EXISTING ADJACENT SYSTEM.

**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.



V3 Companies 7325 Janes Avenue Woodridge, IL 60517 630.724.9200 phone 630.724.9202 fax www.v3co.com	USER NAME = #USER#	DESIGNED - JDH	REVISED - ---
	PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED - ---
	PLOT DATE = #DATE#	CHECKED - VJD	REVISED - ---
		DATE - 03/04/13	REVISED - ---

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

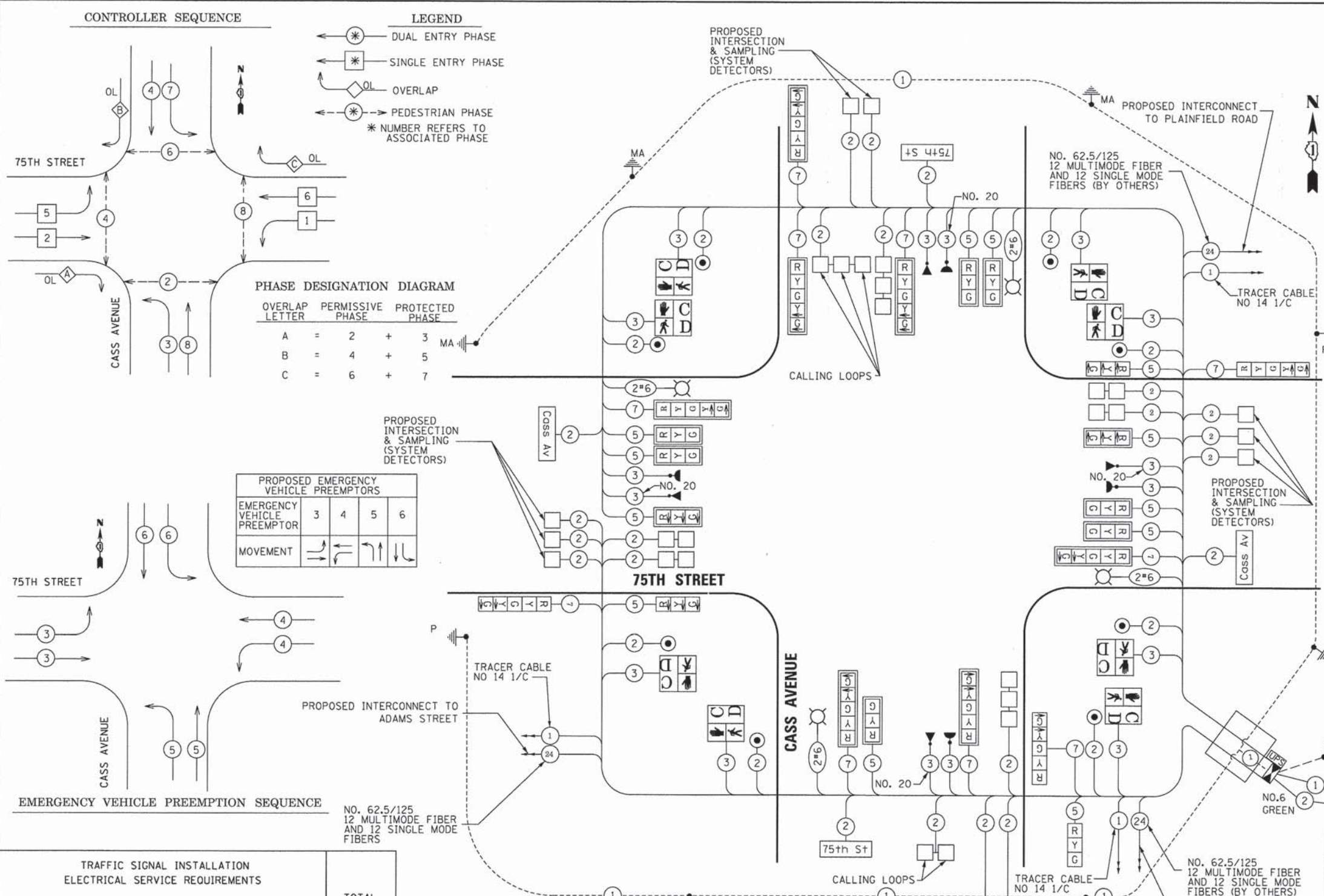
TRAFFIC SIGNAL INSTALLATION PLAN  
75TH STREET AT CASS AVENUE

SCALE: 1"=20' SHEET NO. 26 OF 50 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PV	DU PAGE	285	180
CONTRACT NO. 63851				

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT



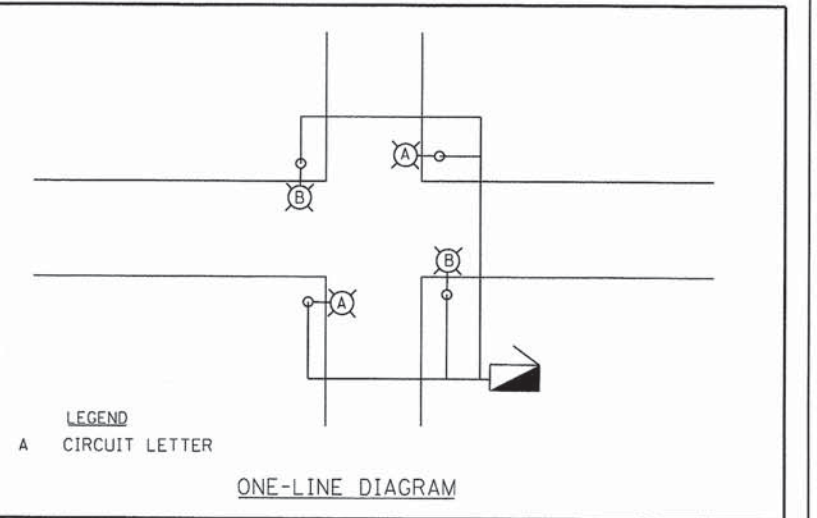


PAY CODE NO.	PAY ITEM	UNIT	QUANTITY
80500020	SERVICE INSTALLATION POLE MOUNTED	EACH	1
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1,349
81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	32
81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	70
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	598
81400100	HANDHOLE	EACH	10
81400200	HEAVY-DUTY HANDHOLE	EACH	2
81400300	DOUBLE HANDHOLE	EACH	2
81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE), 1/C NO. 6	FOOT	1,911
82103400	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO-CELL CONTROL, 400 WATT	EACH	4
86400100	TRANSCEIVER-FIBER OPTIC	EACH	1
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2/C	FOOT	2,484
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3/C	FOOT	2,651
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5/C	FOOT	2210.5
87301255	ELECTRIC CABLE IN CONDUIT SIGNAL NO. 14 7/C	FOOT	3,022
87301305	ELECTRIC CABLE IN CONDUIT LEAD-IN, NO 14, 1-PAIR	FOOT	5,948
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE NO. 6 2/C	FOOT	47
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR NO 6 1/C	FOOT	776
87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL, 10 FT	EACH	1
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL, 16 FT	EACH	2
87700160	STEEL MAST ARM ASSEMBLY AND POLE 24 FT.	EACH	1
87702496	STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS, 32 FT. AND 60 FT.	EACH	1
87702970	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 48 FT	EACH	1
87702980	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT.	EACH	1
87703040	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 62 FT.	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	12
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4
87800400	CONCRETE FOUNDATION, TYPE E, 30" DIA	FOOT	10
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	28
87800420	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	42
88030020	SIGNAL HEAD, LED 1 FACE, 3 SECTION MAST ARM MOUNTED	EACH	9
88030110	SIGNAL HEAD, LED 1 FACE, 5 SECTION MAST ARM MOUNTED	EACH	7
88030240	SIGNAL HEAD, LED 2 FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	3
88102717	PEDESTRIAN SIGNAL HEAD, LED, 1 FACE, BRACKET MOUNTED W/ COUNTDOWN TIMER	EACH	8
88200100	TRAFFIC SIGNAL BACKPLATE	EACH	16
88500100	INDUCTIVE LOOP DETECTOR	EACH	18
88600100	DETECTOR LOOP, TYPE I	FOOT	1,215
88700200	LIGHT DETECTOR	EACH	4
88700300	LIGHT DETECTOR AMPLIFIER	EACH	1
88800100	PEDESTRIAN PUSH-BUTTON	EACH	8
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
89502380	REMOVE EXISTING HANDHOLE	EACH	9
89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	12
X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE NO. 20 3C	FOOT	1,054
X8570226	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
X8620200	UNINTERRUPTIBLE POWER SUPPLY, SPECIAL	EACH	1
X8950100	RELOCATED MASTER CONTROLLER	EACH	1
20073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
XX005937	LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4

TYPE	NO. LAMPS	WATTAGE (INCAND.)	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	18	17	50	153.00
(YELLOW)	18	25	25	112.50
(GREEN)	18	15	25	67.50
ARROW	32	12	10	38.40
PED. SIGNAL	8	25	100	200.00
CONTROLLER	1	100	100	100.00
ILLUM. SIGN	4	60	50	120.00
STREET LIGHTS	4	400	50	800.00
FLASHER			50	
ENERGY COSTS TO: DUPAGE DOT 421 N. COUNTY FARM ROAD WHEATON, IL 60187-2553				TOTAL = 1591.40
ENERGY SUPPLY CONTACT: VALERIE MURPHY				
PHONE: 815-724-5056				
COMPANY: COMED				

NOTE: TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS INTERSECTION IS "ECONOLITE" TO MATCH EXISTING ADJACENT SYSTEM.

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 SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.



USER NAME = #USER#	DESIGNED - JDH	REVISED - ---
PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED - ---
PLOT DATE = #DATE#	CHECKED - VJD	REVISED - ---
	DATE - 03/04/13	REVISED - ---

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE  
75TH STREET AND CASS AVENUE

F.A.P. RTE. 0369	SECTION 12-00233-07-PV	COUNTY DU PAGE	TOTAL SHEETS 285	SHEET NO. 181
CONTRACT NO. 63851				
FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT				

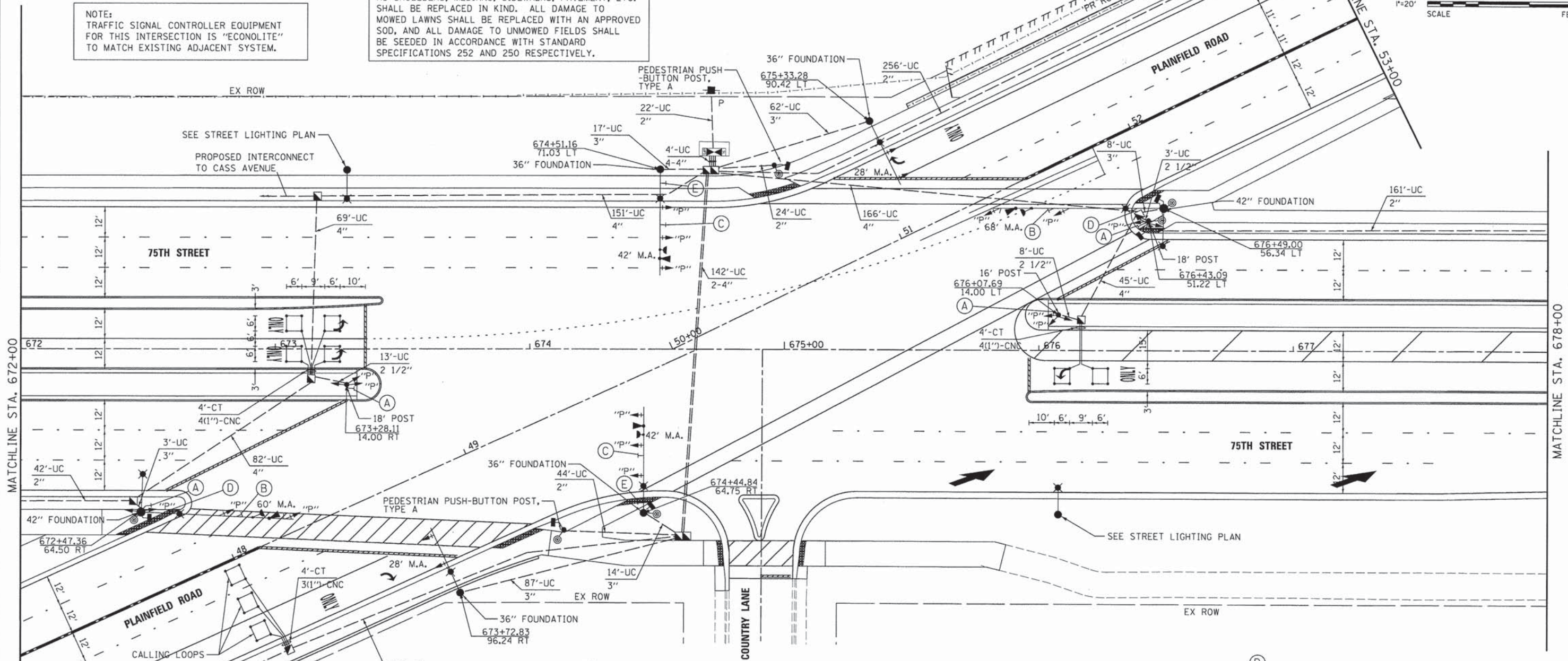
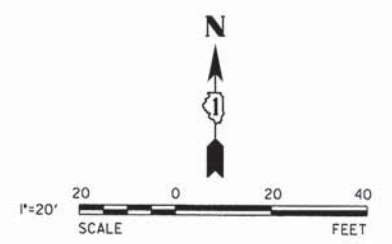


TRAFFIC SIGNAL NOTES

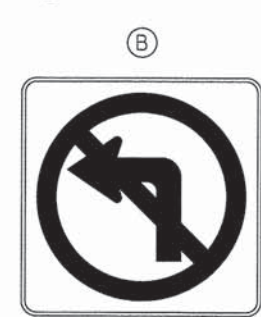
1. SEE SHEET 176 FOR TRAFFIC SIGNAL NOTES.

**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 SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

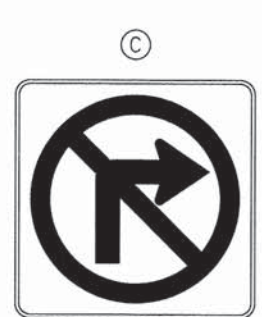
**NOTE:**  
 TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS INTERSECTION IS "ECONOLITE" TO MATCH EXISTING ADJACENT SYSTEM.



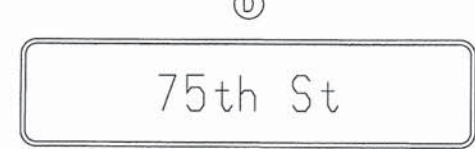
R10-5  
24" x 30"



R3-2  
36" x 36"



R3-1  
36" x 36"



NOTE:  
 SEE STREET LIGHTING PLANS FOR LAYOUT OF LUMINAIRES

NOTE:  
 SIGNS FOR THIS PROJECT TO BE INTERNALLY ILLUMINATED LED STREET NAME SIGNS, PER SPECIAL PROVISION



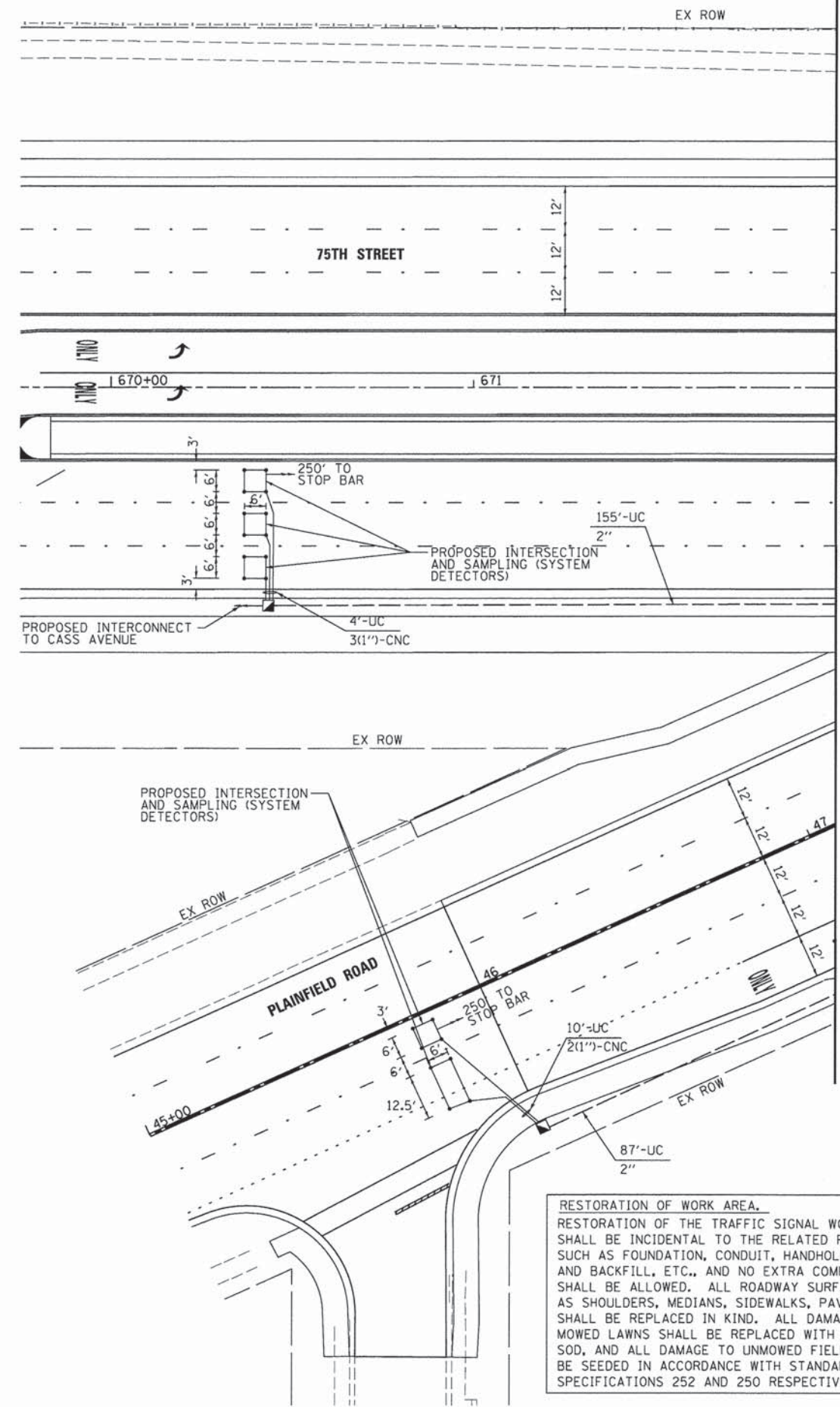
USER NAME = #USER#	DESIGNED - JDH	REVISED - ---
PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED - ---
PLOT DATE = #DATE#	CHECKED - VJD	REVISED - ---
	DATE - 03/04/13	REVISED - ---

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

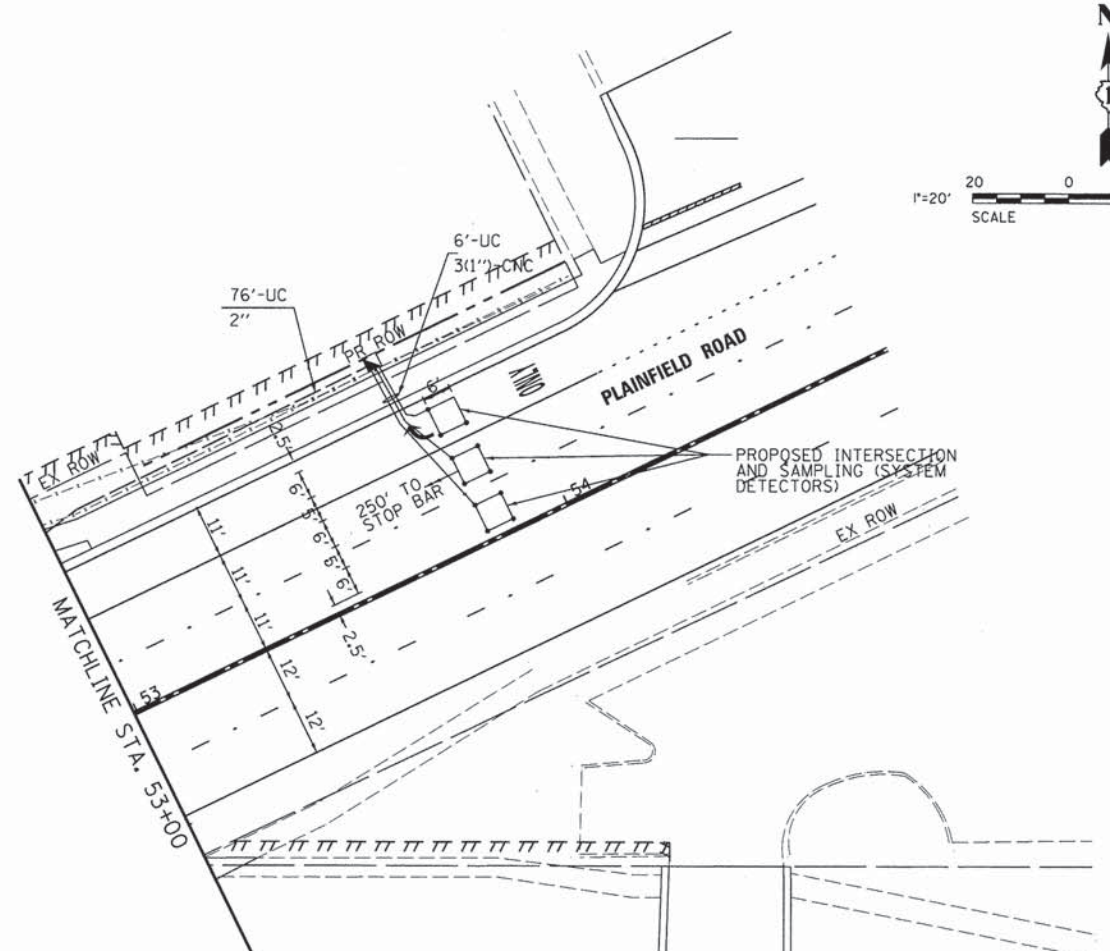
**TRAFFIC SIGNAL INSTALLATION PLAN  
 75TH STREET AT PLAINFIELD ROAD**

F.A.P. RTE. 0369	SECTION 12-00233-07-PV	COUNTY DU PAGE	TOTAL SHEETS 285	SHEET NO. 182
CONTRACT NO. 63851				



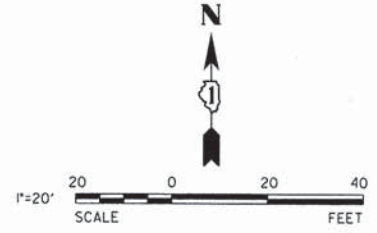
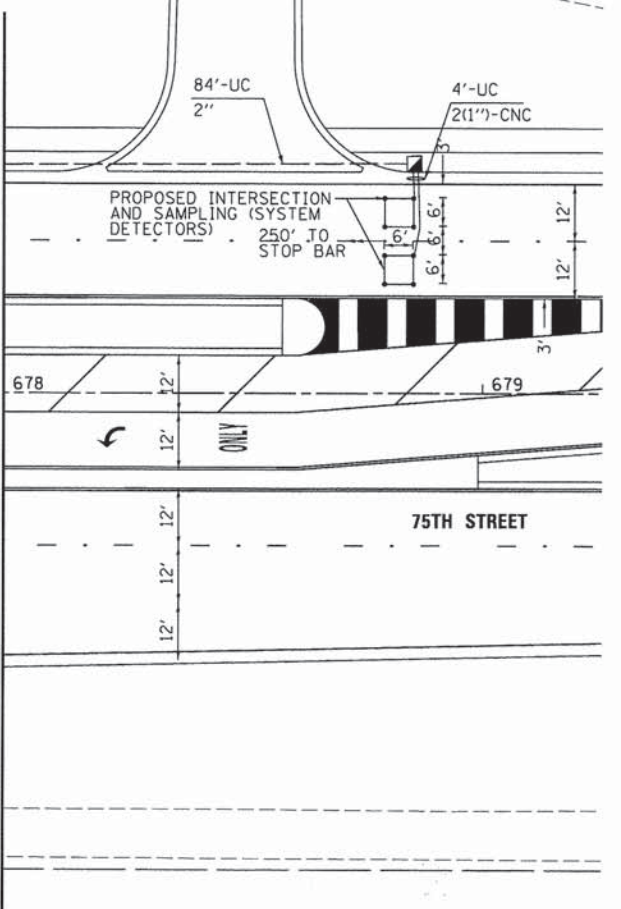


MATCHLINE STA. 672+00



MATCHLINE STA. 53+00

MATCHLINE STA. 678+00



**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 SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

**NOTE:**  
 TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS INTERSECTION IS "ECONOLITE" TO MATCH EXISTING ADJACENT SYSTEM.



V3 Companies 7325 Janes Avenue Woodridge, IL 60517 630.724.9200 phone 630.724.9202 fax www.v3co.com	USER NAME = #USER#	DESIGNED - JDH	REVISED - ---
	PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED - ---
	PLOT DATE = #DATE#	CHECKED - VJD	REVISED - ---
		DATE - 03/04/13	REVISED - ---

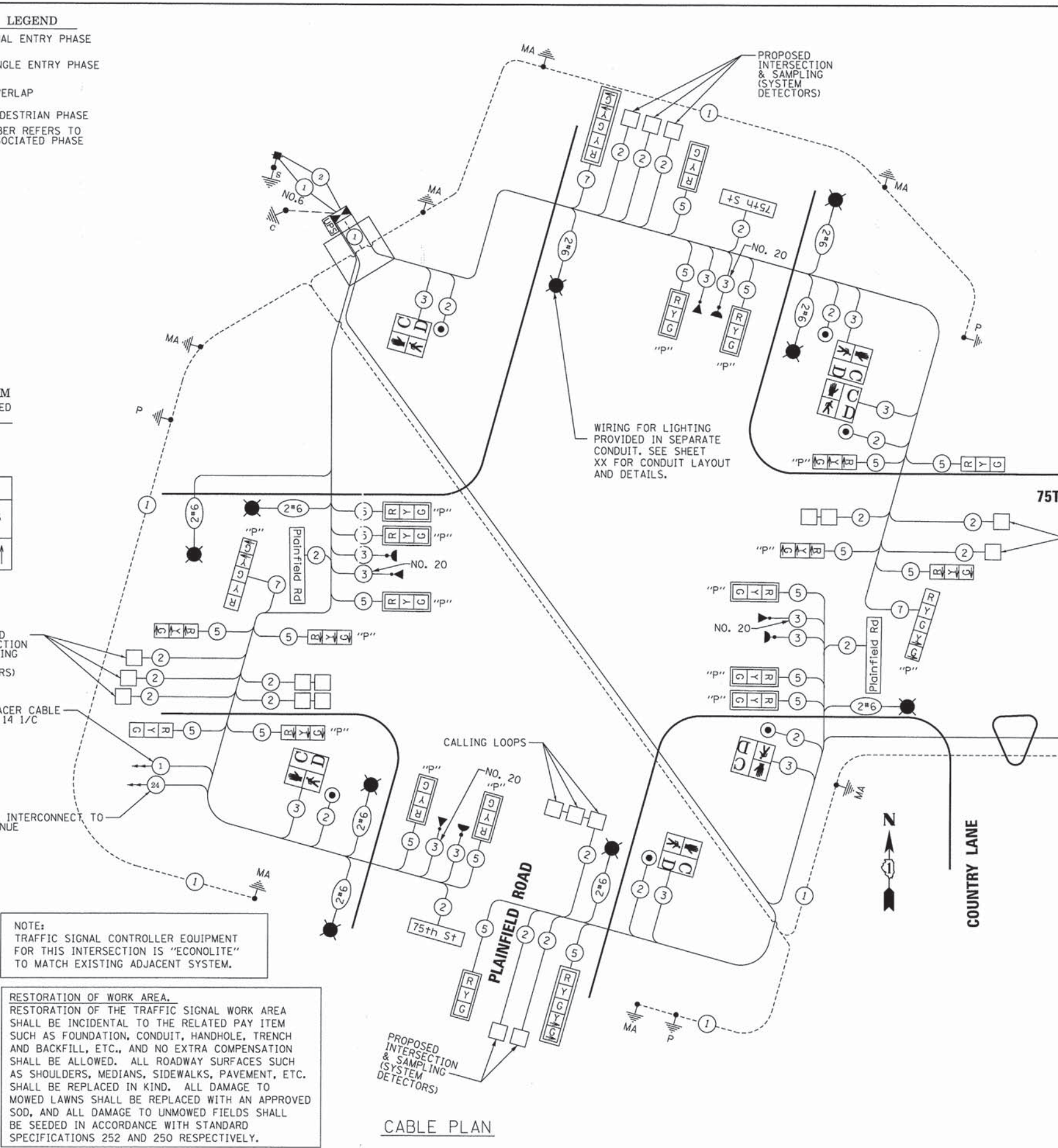
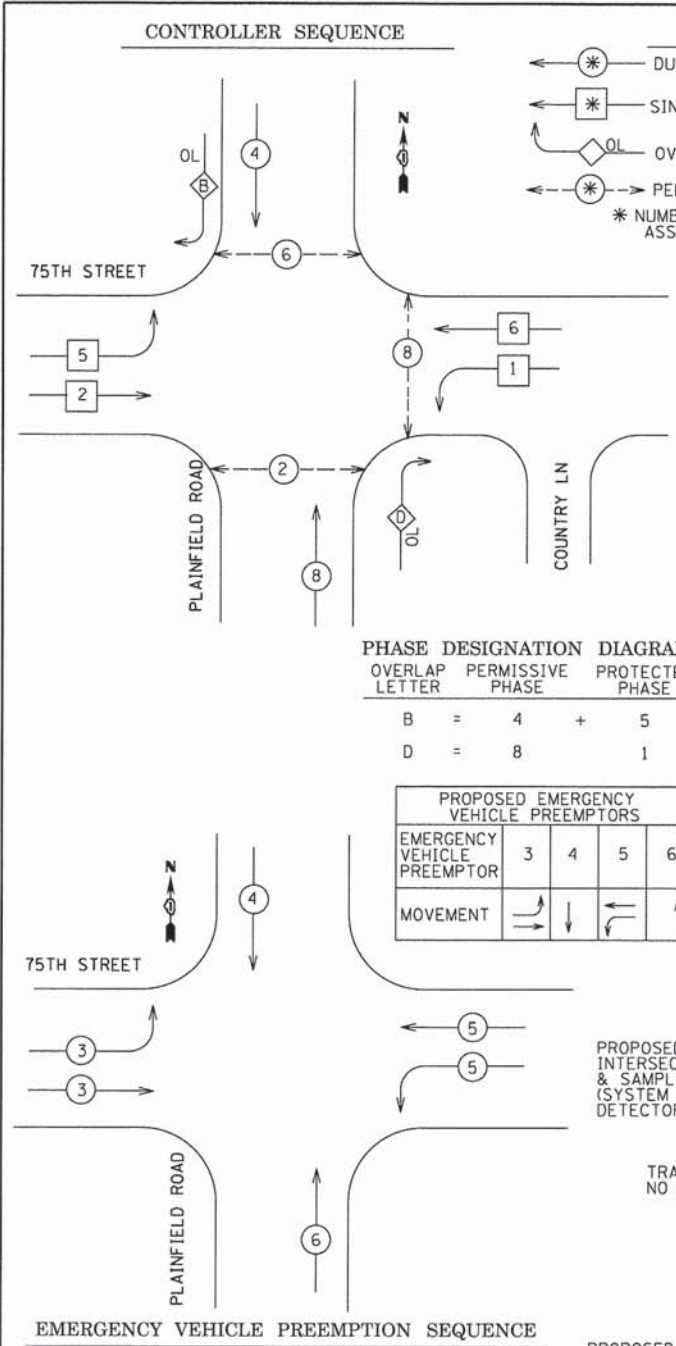
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL INSTALLATION PLAN  
 75TH STREET AT PLAINFIELD ROAD**

SCALE: 1"=20' SHEET NO. 29 OF 50 SHEETS

F.A.P. RTE. #	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PV	DU PAGE	285	183
CONTRACT NO. 63851				
FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT				





PAY CODE NO.	PAY ITEM	UNIT	QUANTITY
80500020	SERVICE INSTALLATION POLE MOUNTED	EACH	1
81002000	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1,066
81002030	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	24
81002020	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	191
81002040	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	1,204
81400100	HANDHOLE	EACH	10
81400300	DOUBLE HANDHOLE	EACH	2
81503300	UNIT GUXT, 600V, 4-3C NO 6, 1/2" NO 6 GROUND (KUP-TYPE USE), 1 1/4" DIA. POLYETHYLENE	FOOT	690
81503400	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO-CELL CONTROL, 400 WATT	EACH	10
83009000	LIGHT POLE, ALUMINUM, 40 FT. M.H., 25 FT. MAST ARM	EACH	2
86400100	TRANSCEIVER-FIBER OPTIC	EACH	1
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2/C	FOOT	1,251
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3/C	FOOT	2,336
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5/C	FOOT	8,379
87301255	ELECTRIC CABLE IN CONDUIT SIGNAL NO. 14 7/C	FOOT	388
87301305	ELECTRIC CABLE IN CONDUIT LEAD-IN, NO 14, 1-PAIR	FOOT	6,811
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE NO. 6 2/C	FOOT	42
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR NO 6 1/C	FOOT	705
87502400	TRAFFIC SIGNAL POST, GALVANIZED STEEL, 30 FT	EACH	2
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL, 18 FT	EACH	3
87702670	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 28 FT	EACH	2
87702940	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT	EACH	2
87703030	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 60 FT	EACH	1
87703080	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 68 FT	EACH	1
87802000	CONCRETE FOUNDATION, TYPE A	FOOT	30
87802050	CONCRETE FOUNDATION, TYPE C	FOOT	4
87802415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	48
87802420	CONCRETE FOUNDATION, TYPE E 42-INCH DIAMETER	FOOT	46
88030020	SIGNAL HEAD, LED 1-FACE, 3-SECTION MAST ARM MOUNTED	EACH	3
88030120	SIGNAL HEAD, LED 1-FACE, 5-SECTION MAST ARM MOUNTED	EACH	2
88051000	OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	10
88060110	COMBINATION SIGNAL HEAD, LED, 2-FACE, 1-3-SECTION OPTICALLY PROGRAMMED, 1-3-SECTION, BRACKET MOUNTED	EACH	2
88060405	COMBINATION SIGNAL HEAD, LED, 3-FACE, 1-3-SECTION OPTICALLY PROGRAMMED, 1-3-SECTION OPTICALLY PROGRAMMED, 1-3-SECTION, BRACKET MOUNTED	EACH	2
88102177	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	EACH	6
88200100	TRAFFIC SIGNAL BACKPLATE	EACH	14
88500100	INDUCTIVE LOOP DETECTOR	EACH	14
88600100	DETECTOR LOOP, TYPE I	FOOT	833
88700100	LIGHT DETECTOR	EACH	4
88700200	LIGHT DETECTOR AMPLIFIER	EACH	1
88800100	PEDESTRIAN PUSH-BUTTON	EACH	6
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
89502380	REMOVE EXISTING HANDHOLE	EACH	11
89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	7
X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE NO. 20 3C	FOOT	1,038
X8250090	COMBINATION POLE LIGHTING CONTROLLER	EACH	1
X8570226	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
X8620000	UNINTERRUPTIBLE POWER SUPPLY, SPECIAL	EACH	1
X0073500	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
X000917	LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4

**TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS**

TYPE	NO. LAMPS	WATTAGE (INCAND.)	WATTAGE LED	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12/6	150	17	50	951.00
(YELLOW)	12/6	150	25	25	487.50
(GREEN)	12/6	150	15	25	472.50
ARROW	16/10	150	12	10	252.00
PED. SIGNAL	8		25	100	200.00
CONTROLLER	1		100	100	100.00
ILLUM. SIGN	4		60	50	120.00
LUMINAIRE	10	400		50	2000.00
FLASHER				50	
ENERGY COSTS TO:	DUPAGE DOT			TOTAL =	4583.00
ENERGY SUPPLY CONTACT:	421 N. COUNTY FARM ROAD WHEATON, IL 60187-2553				
	CONTACT: VALERIE MURPHY				
	PHONE: 815-724-5056				
	COMPANY: COMED				

**NOTE:**  
TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS INTERSECTION IS "ECONOLITE" TO MATCH EXISTING ADJACENT SYSTEM.

**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 SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

**NOTE:**  
QUANTITIES RELATED TO LUMINAIRES TABULATED ON SHEET 205.



V3 Companies  
7325 Janes Avenue  
Woodridge, IL 60517  
630.724.9200 phone  
630.724.9202 fax  
www.v3co.com

USER NAME = #USER#	DESIGNED - JDH	REVISED - ---
PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED - ---
PLOT DATE = #DATE#	CHECKED - VJD	REVISED - ---
	DATE - 03/04/13	REVISED - ---

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE**

**75 TH STREET AND PLAINFIELD ROAD**

SCALE: N.T.S. SHEET NO. 30 OF 50 SHEETS

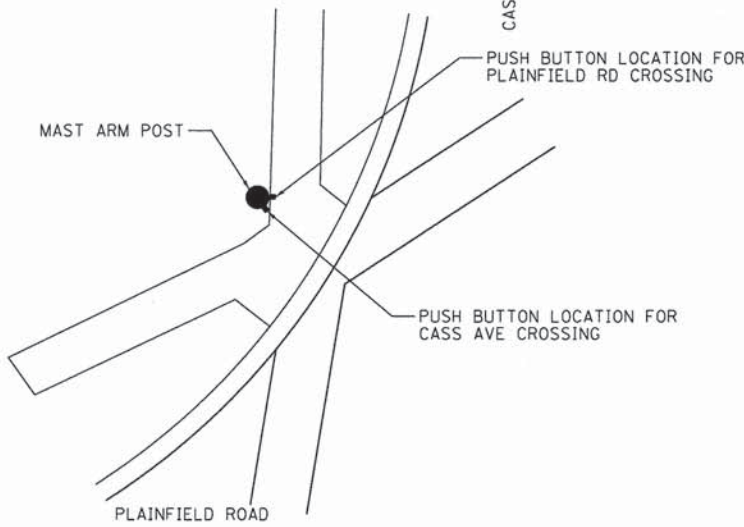
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PV	DU PAGE	285	184
				CONTRACT NO. 63851
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



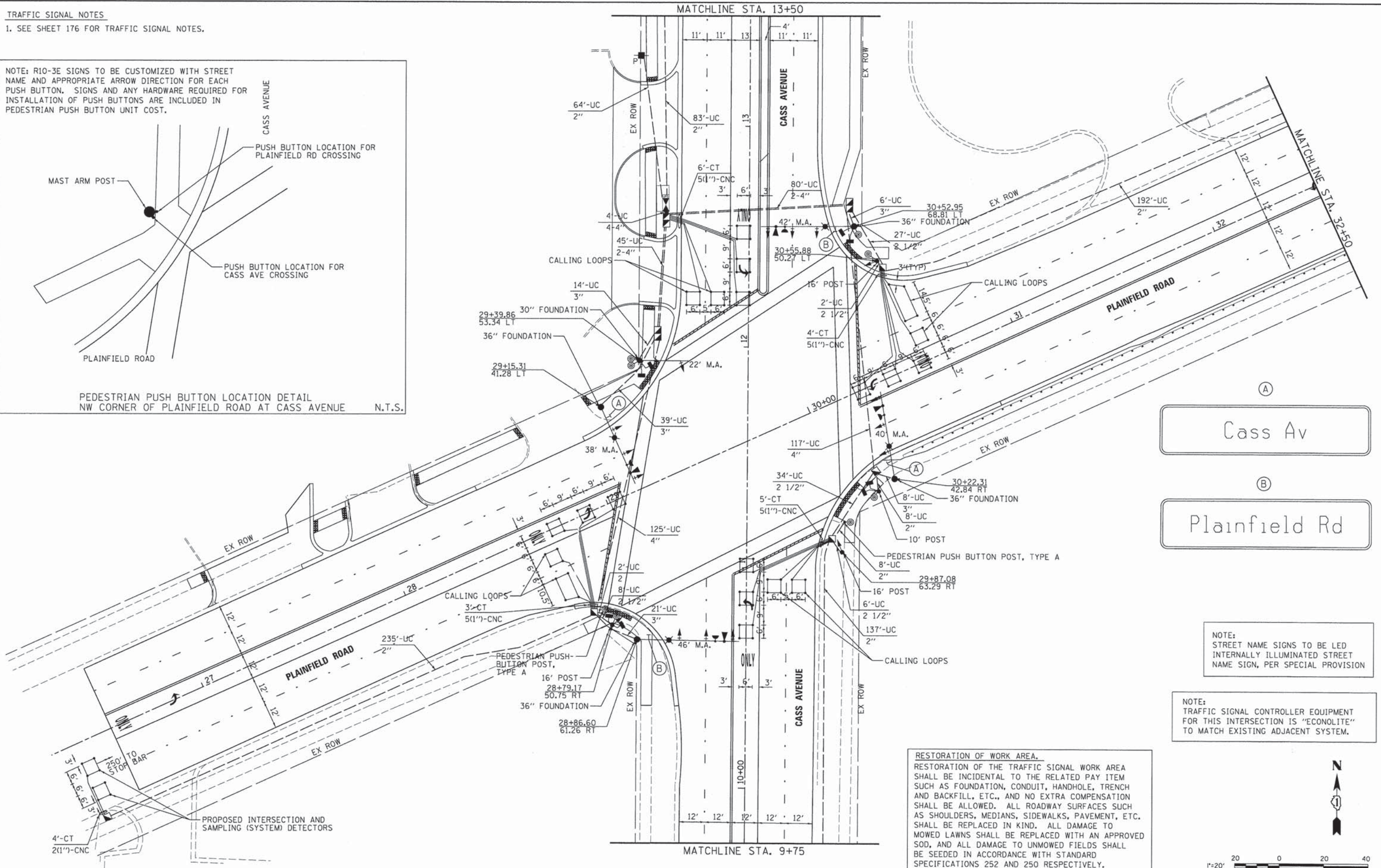
**TRAFFIC SIGNAL NOTES**

1. SEE SHEET 176 FOR TRAFFIC SIGNAL NOTES.

NOTE: R10-3E SIGNS TO BE CUSTOMIZED WITH STREET NAME AND APPROPRIATE ARROW DIRECTION FOR EACH PUSH BUTTON. SIGNS AND ANY HARDWARE REQUIRED FOR INSTALLATION OF PUSH BUTTONS ARE INCLUDED IN PEDESTRIAN PUSH BUTTON UNIT COST.



PEDESTRIAN PUSH BUTTON LOCATION DETAIL  
NW CORNER OF PLAINFIELD ROAD AT CASS AVENUE N.T.S.



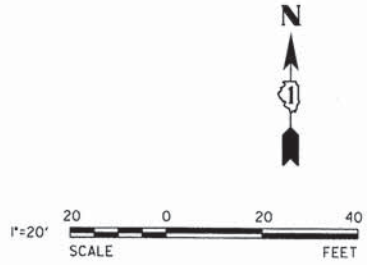
(A)  
Cass Av

(B)  
Plainfield Rd

NOTE:  
STREET NAME SIGNS TO BE LED INTERNALLY ILLUMINATED STREET NAME SIGN, PER SPECIAL PROVISION

NOTE:  
TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS INTERSECTION IS "ECONOLITE" TO MATCH EXISTING ADJACENT SYSTEM.

**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 SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.



USER NAME = #USER#	DESIGNED - JDH	REVISED - ---
PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED - ---
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	DATE - 03/04/13	REVISED - ---

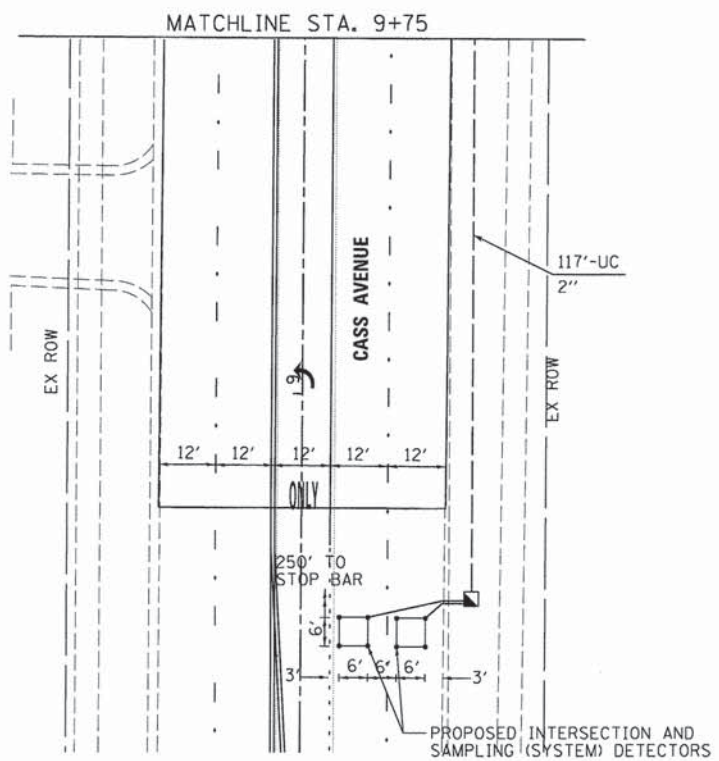
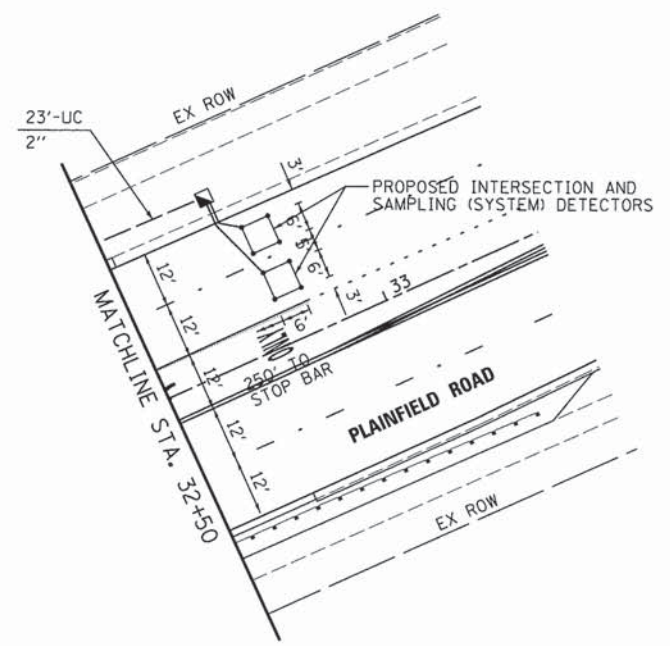
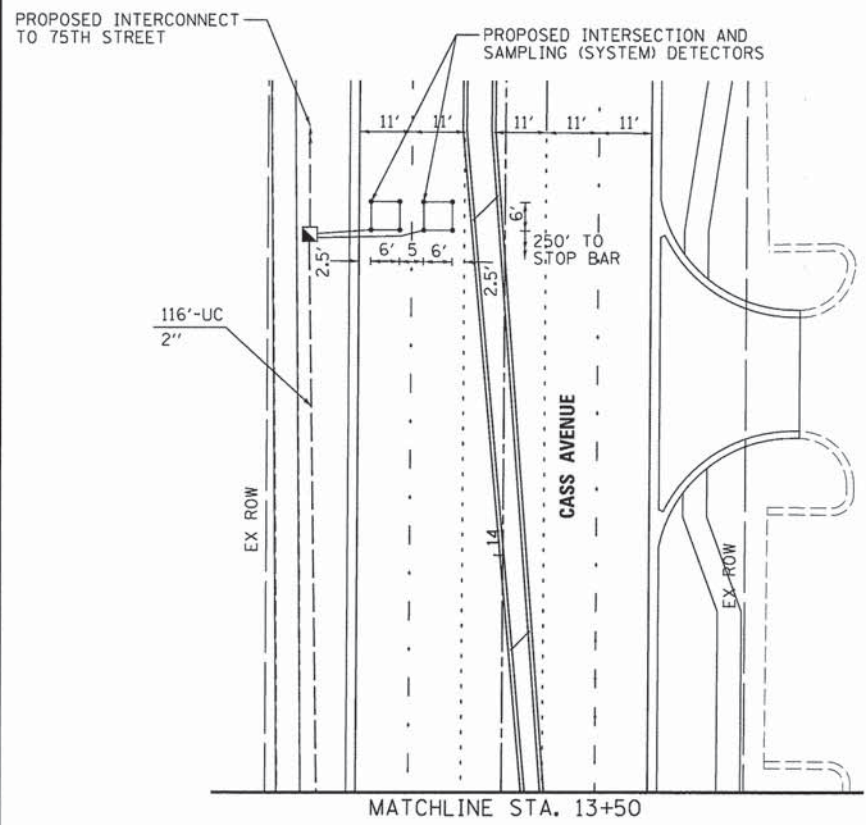
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL INSTALLATION PLAN  
CASS AVENUE AT PLAINFIELD ROAD**

SCALE: 1"=20' SHEET NO. 31 OF 50 SHEETS

F.A.P. RTE. 0369	SECTION 12-00233-07-PV	COUNTY DU PAGE	TOTAL SHEETS 285	SHEET NO. 185
CONTRACT NO. 63851			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	





**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 SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.



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 630.724.9200 phone  
 630.724.9202 fax  
 www.v3co.com

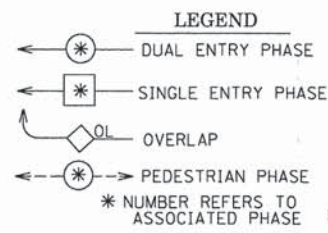
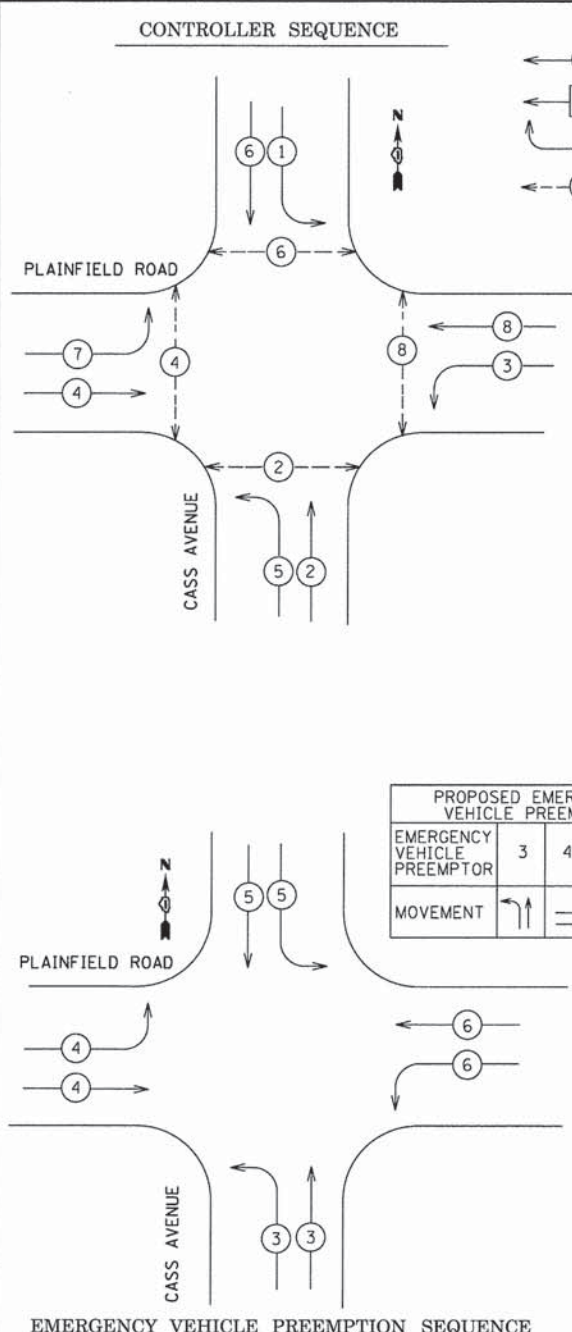
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PLOT DATE = #DATE#	CHECKED - VJD	REVISED - ---
	DATE - 03/04/13	REVISED - ---

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL INSTALLATION PLAN  
 CASS AVENUE AT PLAINFIELD ROAD**  
 SCALE: 1"=20' SHEET NO. 32 OF 50 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PV	DJ PAGE	285	186
CONTRACT NO. 63851			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	



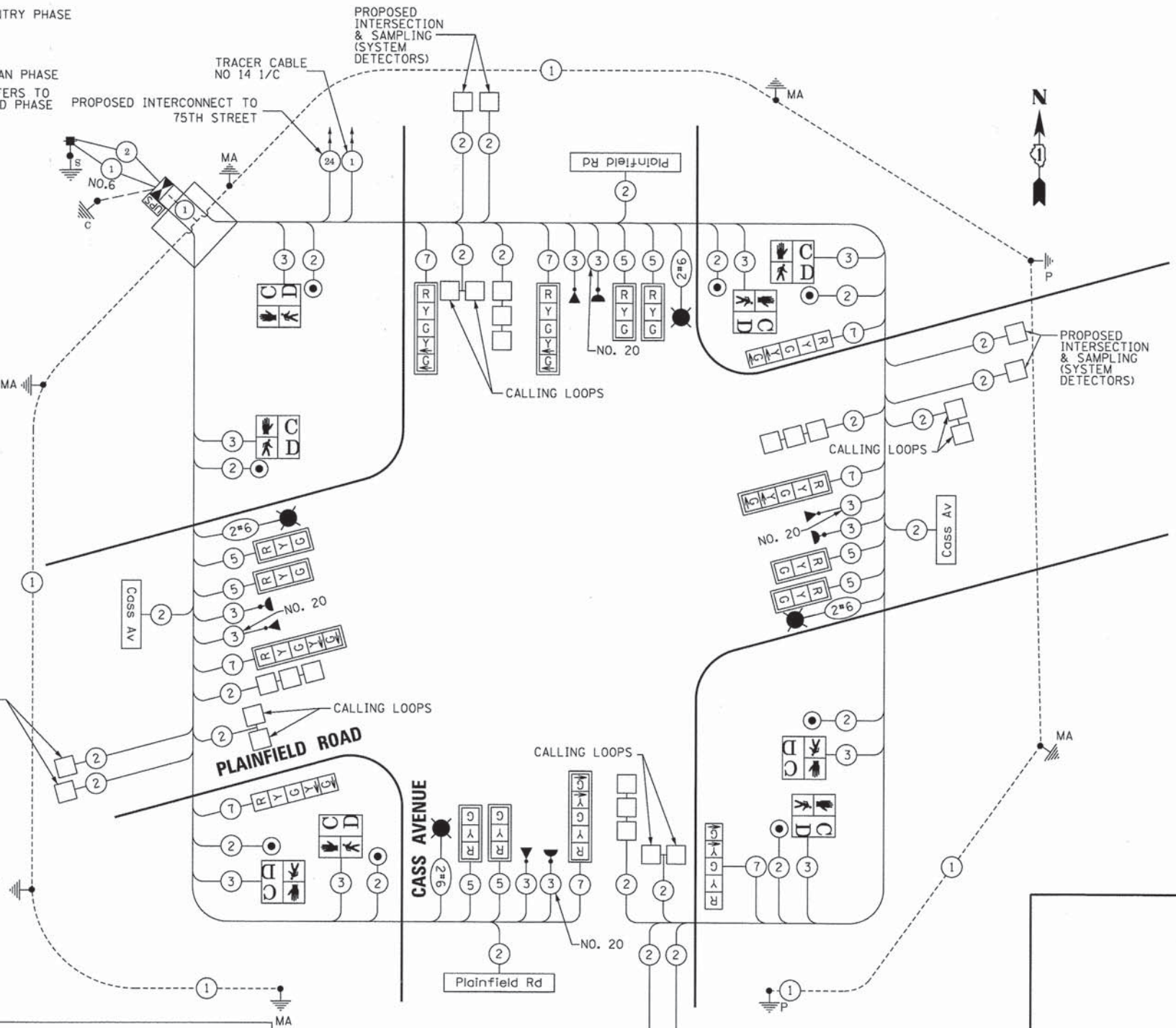


PROPOSED EMERGENCY VEHICLE PREEMPTORS				
EMERGENCY VEHICLE PREEMPTOR	3	4	5	6
MOVEMENT	↑	→	↓	←



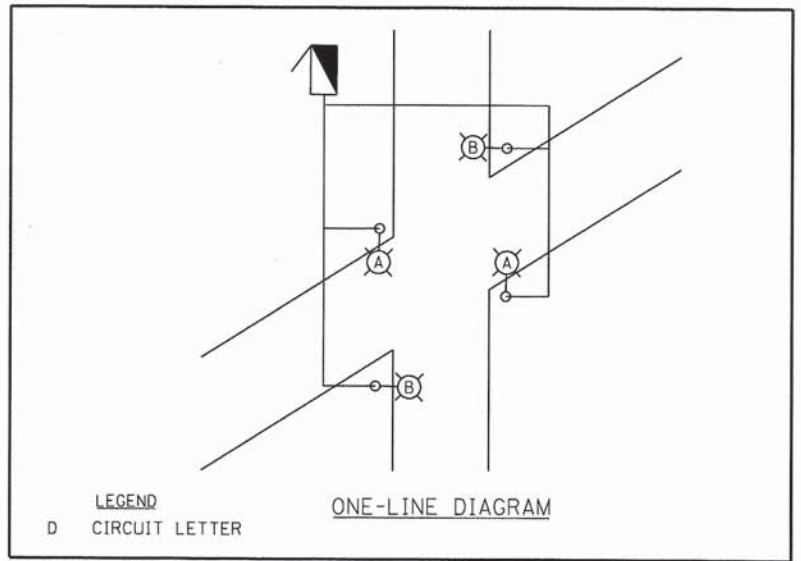
NOTE:  
TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS INTERSECTION IS "ECONOLITE" TO MATCH EXISTING ADJACENT SYSTEM.

RESTORATION OF WORK AREA.  
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PAY CODE NO.	PAY ITEM	UNIT	QUANTITY
8050020	SERVICE INSTALLATION POLE MOUNTED	EACH	1
8102800	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	985
8102820	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	43
8102820	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	96
8102840	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	512
81400100	HANDHOLE	EACH	8
81400300	DOUBLE HANDHOLE	EACH	3
81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE), 1/C NO. 6	FOOT	2243
82103400	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, PHOTO-CELL CONTROL, 400 WATT	EACH	4
86400100	TRANSCEIVER-FIBER OPTIC	EACH	1
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2/C	FOOT	1486
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3/C	FOOT	2293
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3/C	FOOT	1798
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7/C	FOOT	1807
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14, 1-PAIR	FOOT	2399
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE NO. 6 3/C	FOOT	84
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR NO. 6 1/2 C	FOOT	2243
87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL, 10 FT	EACH	1
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL, 16 FT	EACH	3
87700150	STEEL MAST ARM ASSEMBLY AND POLE 22 FT.	EACH	1
87702920	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 38 FT.	EACH	1
87702930	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT.	EACH	1
87702940	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 42 FT.	EACH	1
87702960	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 46 FT.	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	24
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4
87800400	CONCRETE FOUNDATION, TYPE E, 30" DIA	FOOT	10
87800415	CONCRETE FOUNDATION, TYPE E, 36-INCH DIAMETER	FOOT	50
88030020	SIGNAL HEAD, LED 1 FACE, 3 SECTION MAST ARM MOUNTED	EACH	8
88030100	SIGNAL HEAD, LED 1 FACE, 5 SECTION BRACKET MOUNTED	EACH	3
88030110	SIGNAL HEAD, LED 1 FACE, 5 SECTION MAST ARM MOUNTED	EACH	5
88102747	PEDESTRIAN SIGNAL HEAD, LED, 2 FACE, BRACKET MOUNTED W/ COUNTDOWN TIMER	EACH	8
88200100	TRAFFIC SIGNAL BACKPLATE	EACH	13
88500100	INDUCTIVE LOOP DETECTOR	EACH	16
88600100	DETECTOR LOOP, TYPE I	FOOT	1574
88700100	LIGHT DETECTOR	EACH	4
88700300	LIGHT DETECTOR AMPLIFIER	EACH	1
88800100	PEDESTRIAN PUSH-BUTTON	EACH	8
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
89502380	REMOVE EXISTING HANDHOLE	EACH	8
89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	1
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	8
X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE NO. 20 3C	FOOT	950
X8570226	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
X8620200	UNINTERRUPTIBLE POWER SUPPLY, SPECIAL	EACH	1
X8760055	PEDESTRIAN PUSH-BUTTON POST, TYPE A	EACH	3
20073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
30005937	LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4

TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE (INCAND.)	% OPERATION	LED	
SIGNAL (RED)	16	17	50		136.00
(YELLOW)	16	25	25		100.00
(GREEN)	16	15	25		60.00
ARROW	16	12	10		19.20
PED. SIGNAL	8	25	100		200.00
CONTROLLER	1	100	100		100.00
ILLUM. SIGN	4	60	50		120.00
LUMINAIRE	4	400	50		800.00
FLASHER			50		
ENERGY COSTS TO: DUPAGE DOT 421 N. COUNTY FARM ROAD WHEATON, IL 60187-2553					TOTAL = 1535.20
ENERGY SUPPLY CONTACT: VALERIE MURPHY					
PHONE: 815-724-5056					
COMPANY: COMED					



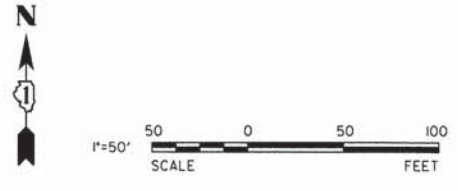
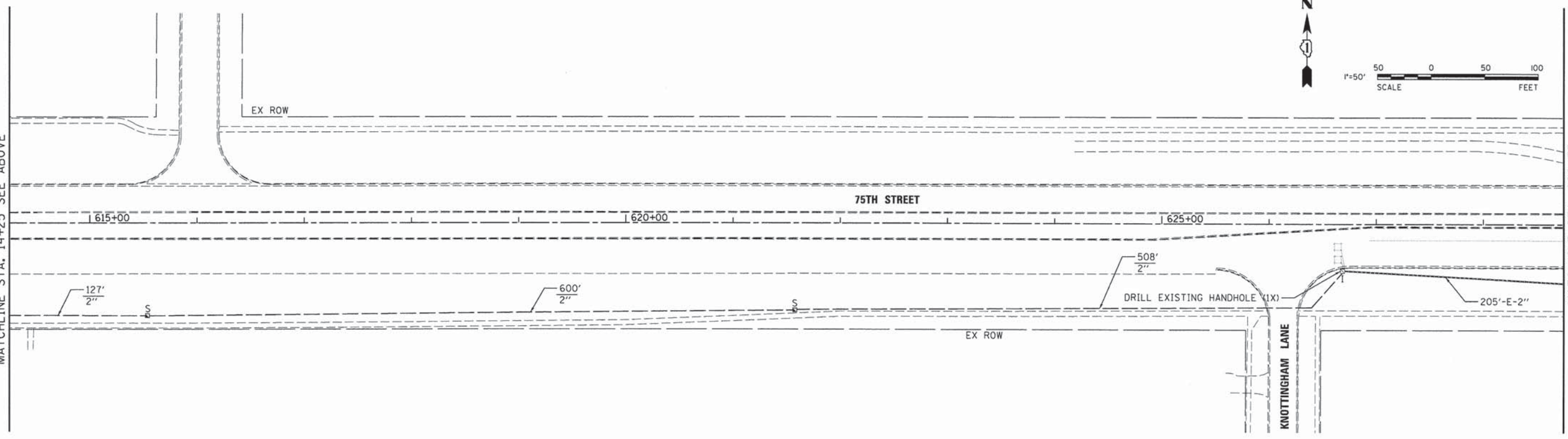
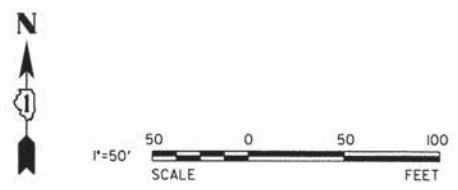
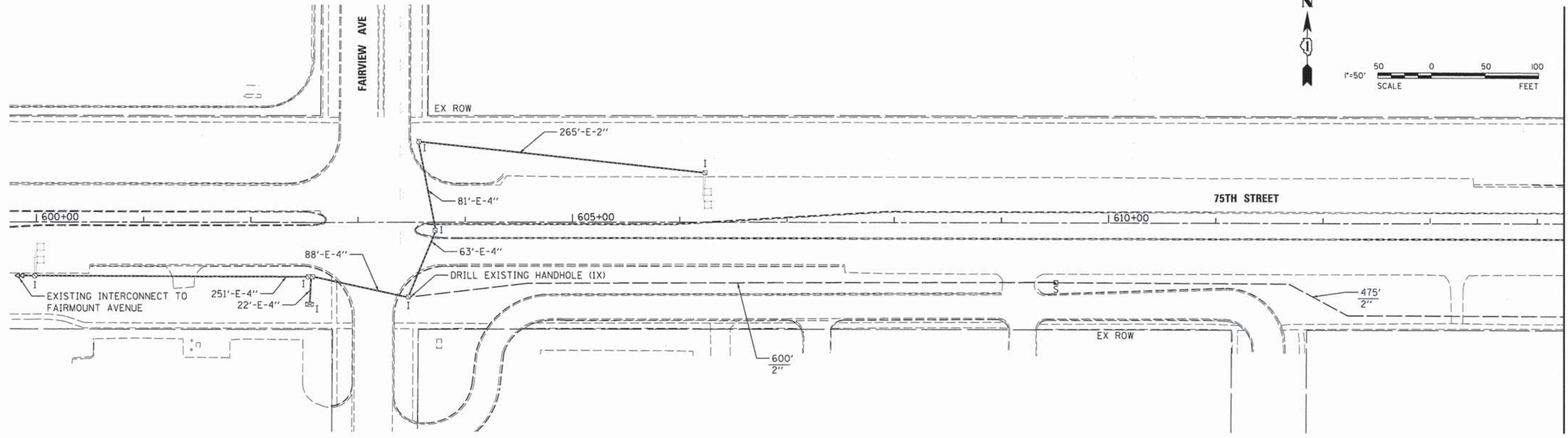
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PLT SCALE = #SCALE#	DRAWN - DRP	REVISED - ---
PLT DATE = #DATE#	CHECKED - VJD	REVISED - ---
	DATE - 03/04/13	REVISED - ---

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE  
CASS AVENUE AND PLAINFIELD ROAD

F.A.P. RTE. 0369	SECTION 12-00233-07-PV	COUNTY DU PAGE	TOTAL SHEETS 285	SHEET NO. 187
CONTRACT NO. 63851				





USER NAME = #USER#	DESIGNED - JDH	REVISED - ---
PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED - ---
PLOT DATE = #DATE#	CHECKED - VJD	REVISED - ---
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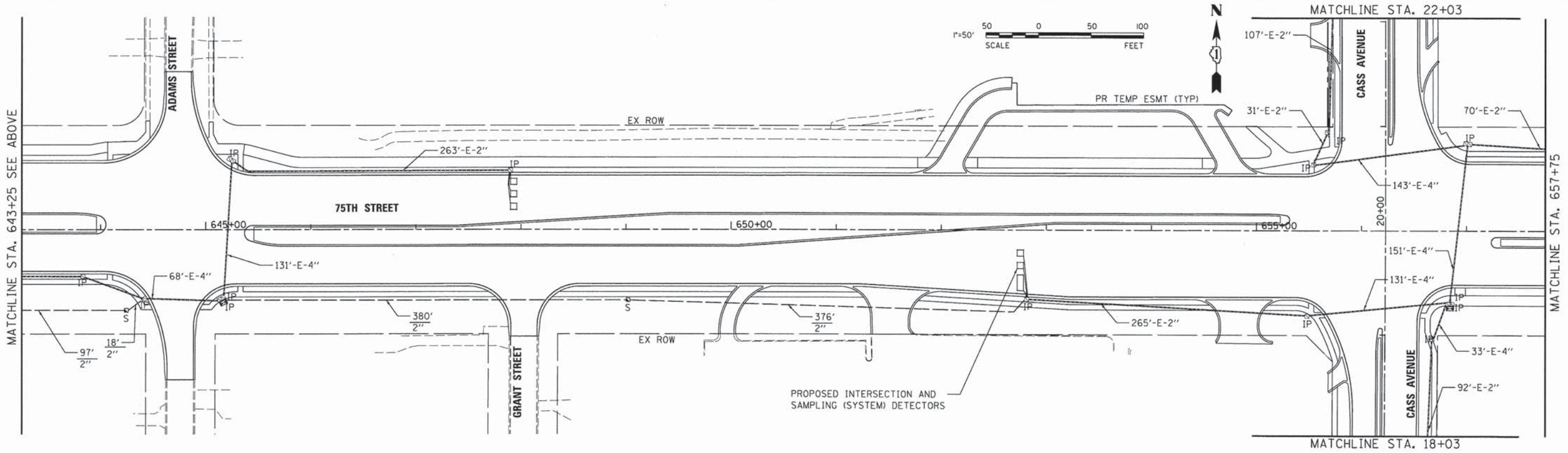
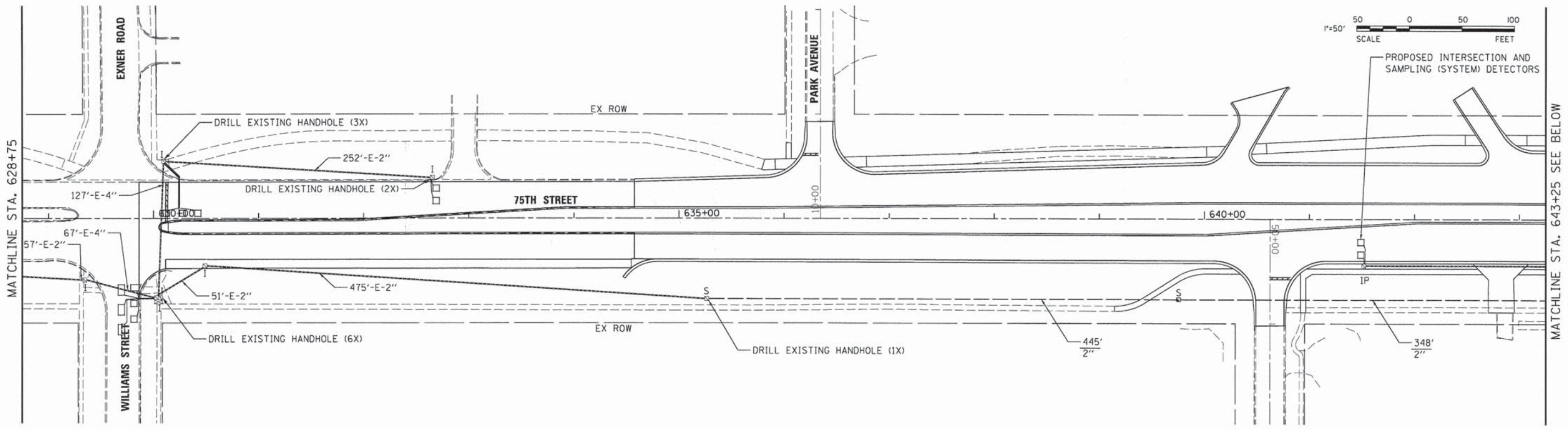
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERCONNECT PLAN  
75TH STREET FROM FAIRVIEW AVE  
TO PLAINFIELD ROAD**

SCALE: 1"=50'      SHEET NO. 34 OF 50 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PV	DU PAGE	285	188
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63851	





USER NAME = #USER#  
 DESIGNED - JDH  
 DRAWN - DRP  
 CHECKED - VJD  
 DATE - 03/04/13  
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 PLOT DATE = #DATE#

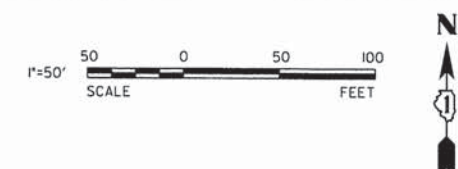
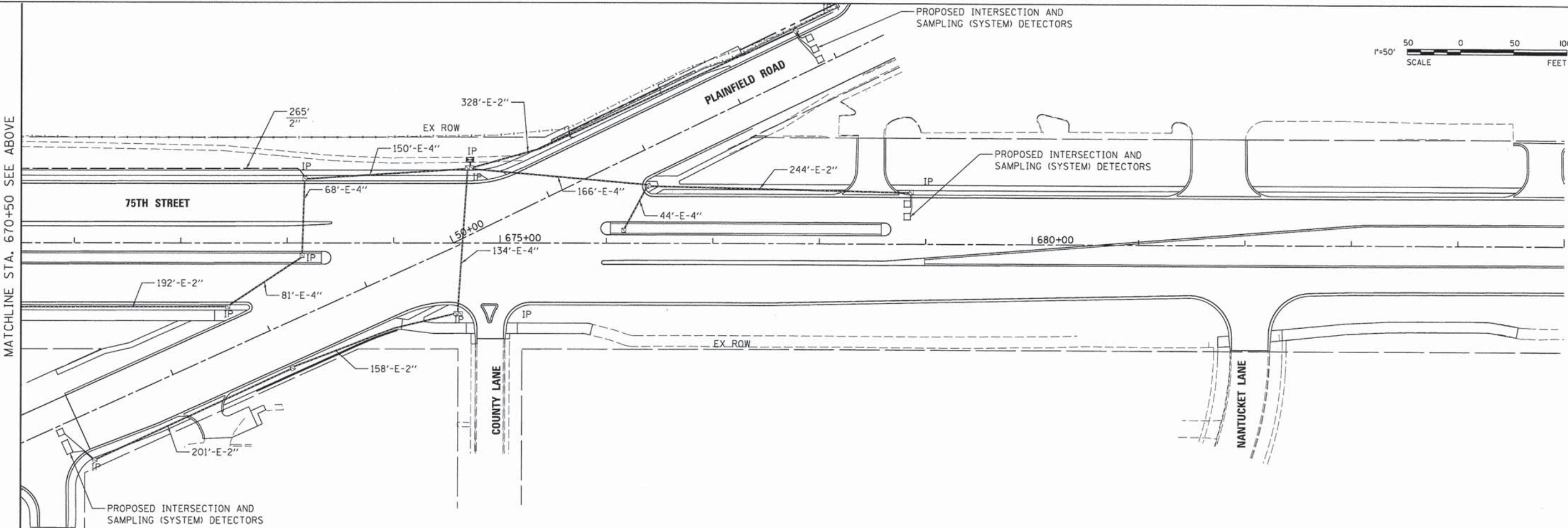
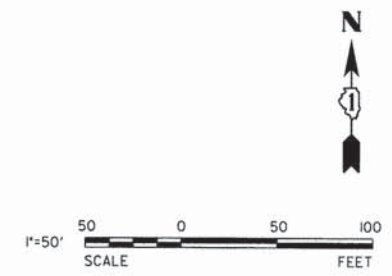
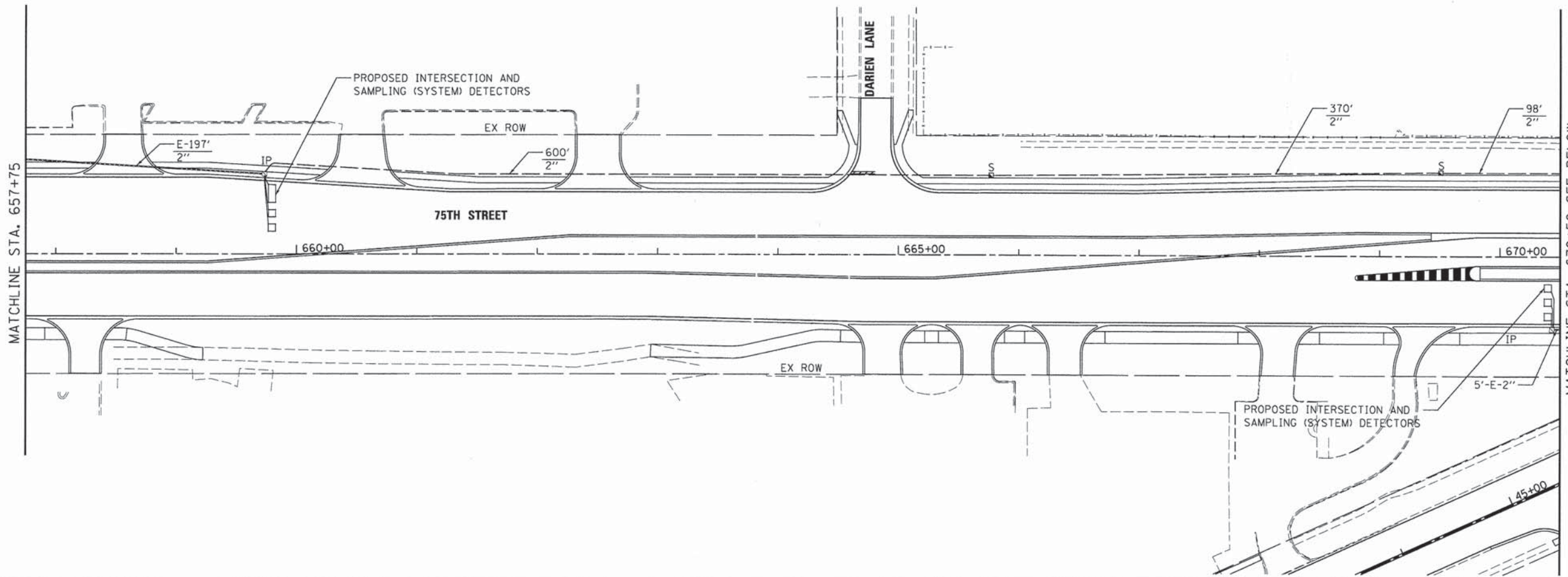
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**INTERCONNECT PLAN**  
**75TH STREET FROM FAIRVIEW AVE**  
**TO PLAINFIELD ROAD**  
 SCALE: 1"=50' SHEET NO. 35 OF 50 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PV	DU PAGE	285	189
CONTRACT NO. 63851				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				





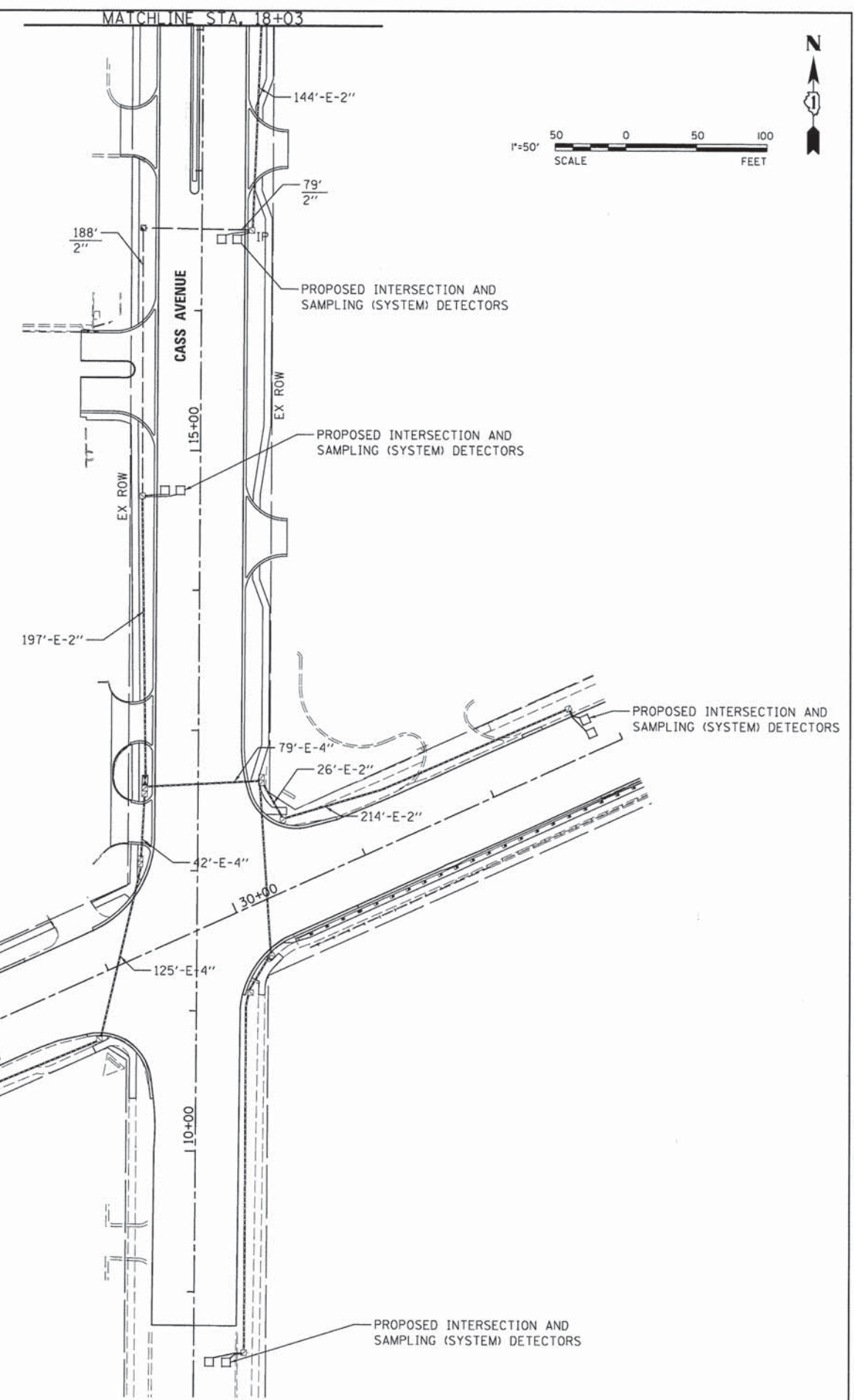
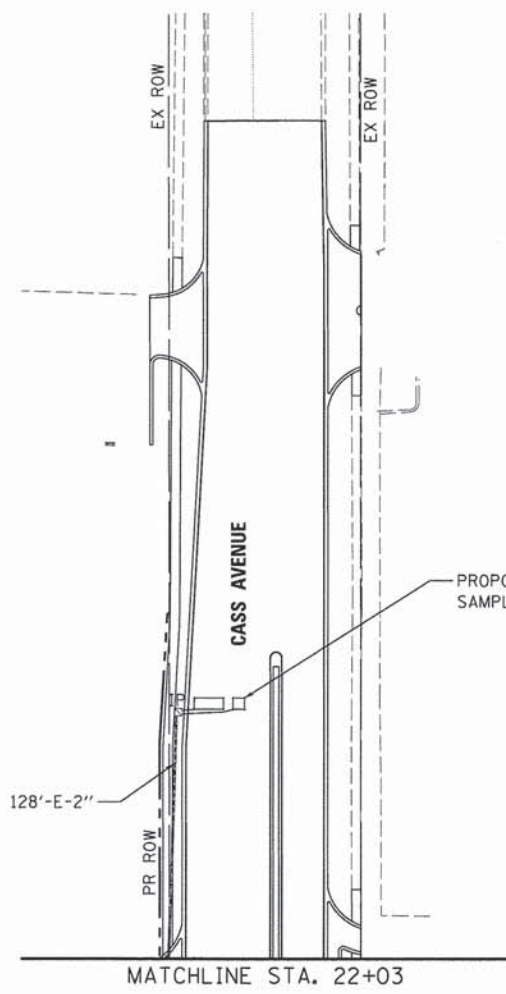
V3 Companies 7325 Janes Avenue Woodridge, IL 60517 630.724.9200 phone 630.724.9202 fax www.v3co.com	USER NAME = #USER#	DESIGNED - JDH	REVISED - ---
	PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED - ---
	PLOT DATE = #DATE#	CHECKED - VJD	REVISED - ---
		DATE - 03/04/13	REVISED - ---

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>INTERCONNECT PLAN 75TH STREET FROM FAIRVIEW AVE TO PLAINFIELD ROAD</b>	
SCALE: 1"=50'	SHEET NO. 36 OF 50 SHEETS

F.A.P. RTE. 0369	SECTION 12-00233-07-PV	COUNTY DU PAGE	TOTAL SHEETS 285	SHEET NO. 190
CONTRACT NO. 63851				
FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT				





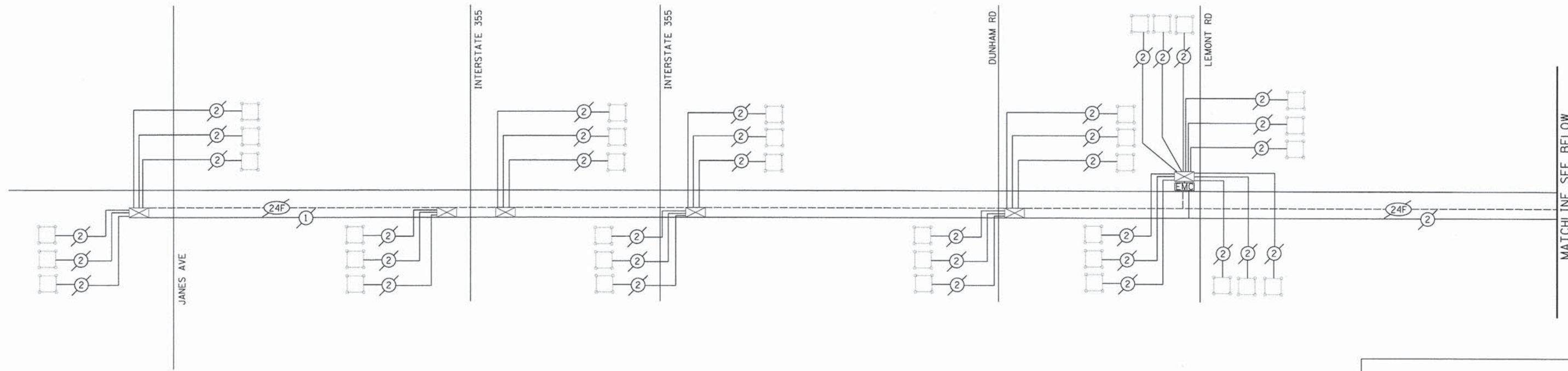
PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTORS

PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTORS

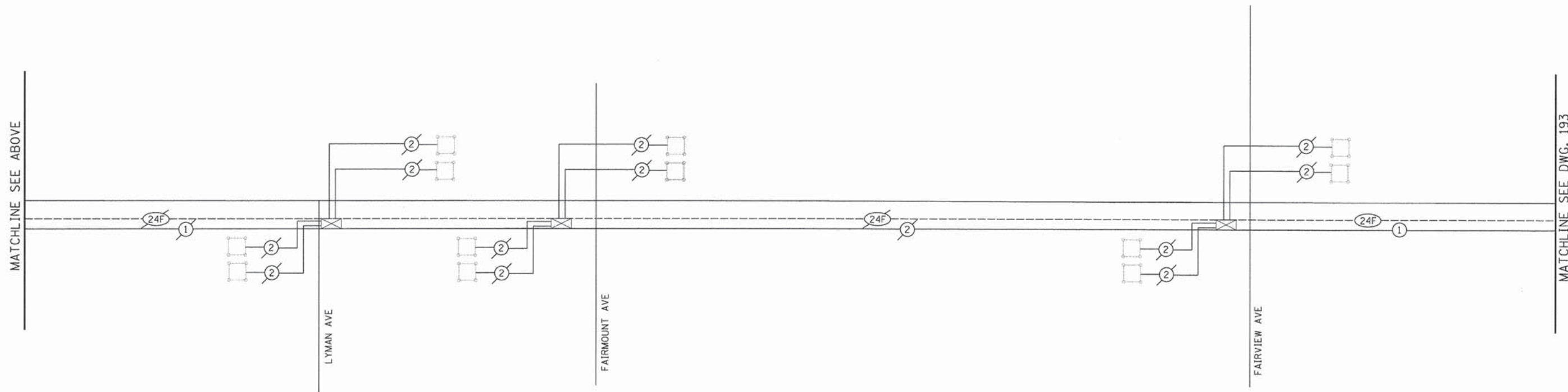
PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTORS

 V3 Companies 7325 Janes Avenue Woodridge, IL 60517 630.724.9200 phone 630.724.9202 fax www.v3co.com	USER NAME = #USER#	DESIGNED - JDH	REVISED - ---	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>INTERCONNECT PLAN</b> <b>CASS AVENUE FROM 75TH STREET</b> <b>TO PLAINFIELD ROAD</b>			F.A.P. RTE. 0369	SECTION 12-00233-07-PV	COUNTY DU PAGE	TOTAL SHEETS 285	SHEET NO. 191
	PLOT SCALE = #SCALE#	CHECKED - VJD	REVISED - ---		SCALE: 1"=50'	SHEET NO. 37 OF 50 SHEETS			CONTRACT NO. 63851			
	PLOT DATE = #DATE#	DATE - 03/04/13	REVISED - ---						FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT			





FOR LEMONT ROAD INTERCONNECT  
SEE SHEET 194



V3 Companies  
 7325 Janes Avenue  
 Woodridge, IL 60517  
 830.724.9200 phone  
 830.724.9202 fax  
 www.v3co.com

USER NAME = #USER#	DESIGNED - JDH	REVISED - ---
PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED - ---
PLOT DATE = #DATE#	CHECKED - VJD	REVISED - ---
	DATE - 03/04/13	REVISED - ---

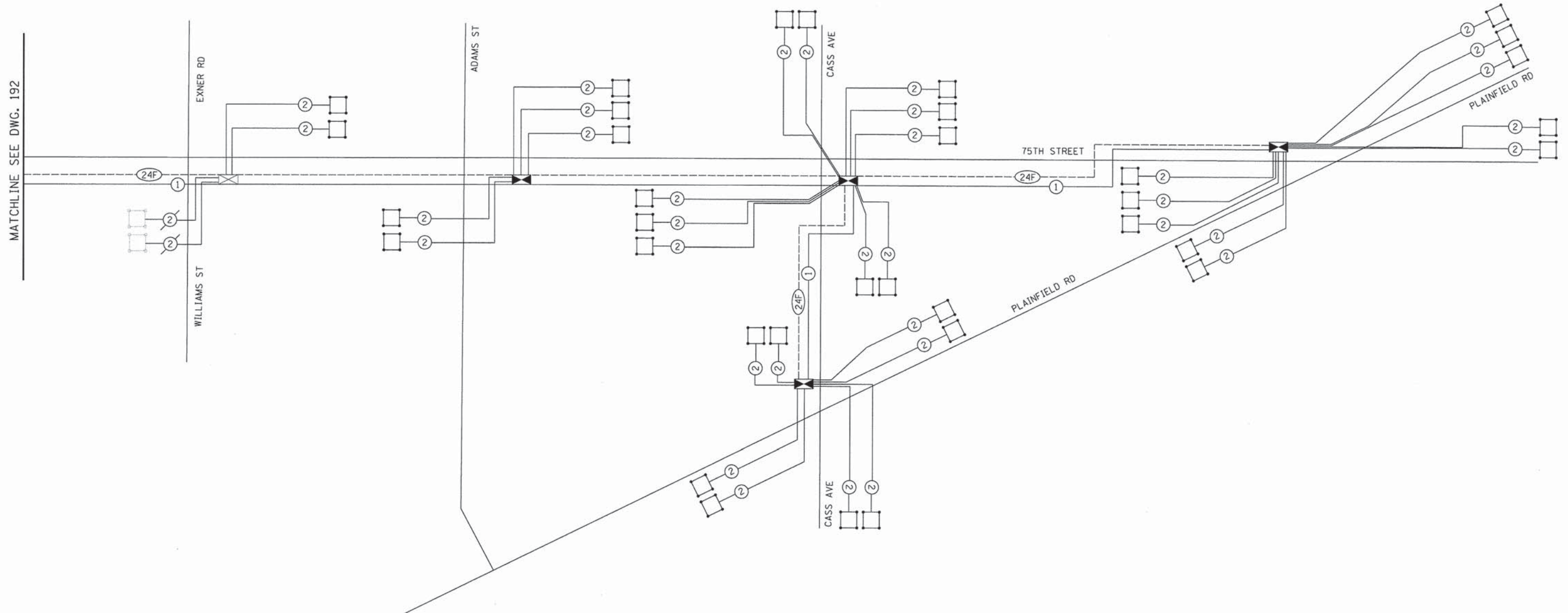
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

INTERCONNECT SCHEMATIC  
75TH STREET FROM JANES AVE TO WILLIAMS RD

SCALE: N.T.S. SHEET NO. 38 OF 50 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PV	DU PAGE	285	192
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 63851	





MATCHLINE SEE DWG. 192

PAY CODE NO.	PAY ITEM	UNIT	QUANTITY
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	5,556
81400100	HANDHOLE	EACH	10
85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
86400100	TRANSCEIVER-FIBER OPTIC	EACH	1
87100160	FIBER-OPTIC CABLE IN CONDUIT, SIGNAL NO. 62.5/125 24F	FOOT	8,383
87301305	ELECTRIC CABLE IN CONDUIT LEAD-IN, NO 14, 1-PAIR	FOOT	957
87900200	DRILL EXISTING HANDHOLE	EACH	14
88600100	DETECTOR LOOP, TYPE I	FOOT	677
89502200	MODIFY EXISTING CONTROLLER	EACH	1
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1
89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	5,699
87300925	ELECTRIC CABLE IN CONDUIT, TRACER NO. 14 1/C	FOOT	8,383
20033056	OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1



USER NAME = #USER#	DESIGNED - JDH	REVISED - ---
PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED - ---
PLOT DATE = #DATE#	CHECKED - VJD	REVISED - ---
	DATE - 03/04/13	REVISED - ---

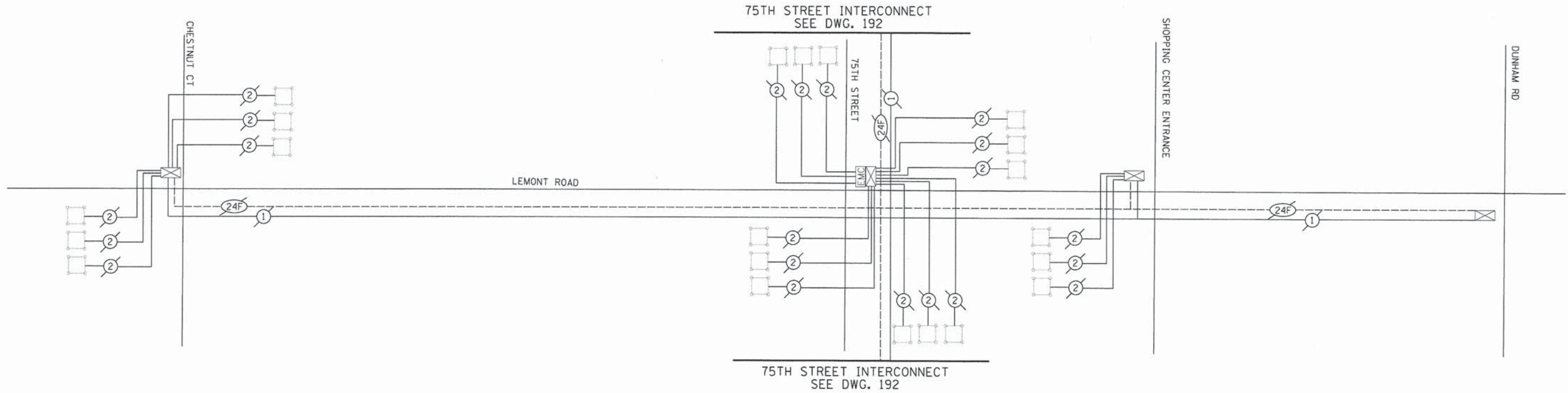
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERCONNECT SCHEMATIC  
75TH STREET FROM WILLIAMS ST TO PLAINFIELD RD**

SCALE: N.T.S. SHEET NO. 39 OF 50 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PV	DU PAGE	285	193
CONTRACT NO. 63851				
FED. ROAD DIST. NO. 1   ILLINOIS FED. AID PROJECT				





V3 Companies  
 7326 Janes Avenue  
 Woodridge, IL 60517  
 630.724.9200 phone  
 630.724.9202 fax  
 www.v3co.com

USER NAME = #USER#	DESIGNED - JDH	REVISED - ---
PLOT SCALE = #SCALE#	DRAWN - DRP	REVISED - ---
PLOT DATE = #DATE#	CHECKED - VJD	REVISED - ---
	DATE - 03/04/13	REVISED - ---

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**INTERCONNECT SCHEMATIC**  
**LEMONT ROAD FROM CHESTNUT CT TO DUNHAM RD**

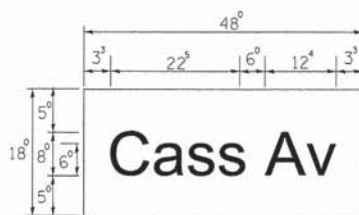
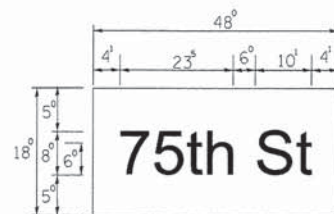
SCALE: N.T.S.      SHEET NO. 40 OF 50 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0369	12-00233-07-PV	DU PAGE	285	194
CONTRACT NO. 63851				

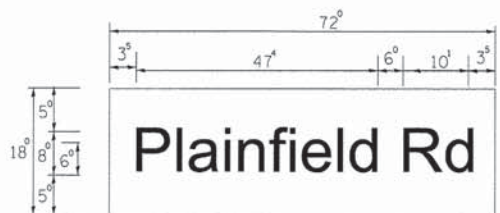
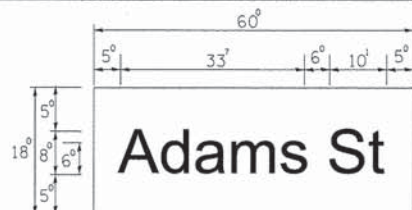
FED. ROAD DIST. NO. 1 | ILLINOIS FED. AID PROJECT



PANEL SIGN DESIGN TYPE 1



NOTE: SIGN DIMENSIONS ARE IN ENGLISH UNITS



NOTE: SIGNS FOR THIS PROJECT TO BE LED INTERNALLY ILLUMINATED STREET NAME SIGNS PER SPECIAL PROVISION.

GENERAL NOTES

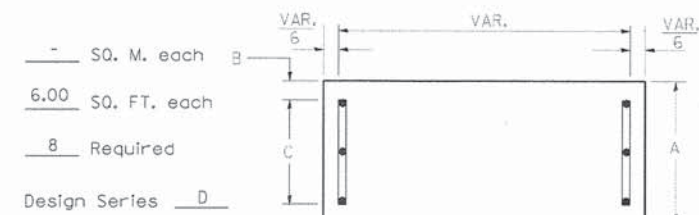
- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
- ALL SIGNS SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND, TYPE A SHEETING.
- THE SIGN LENGTH SHOULD BE INCREASED IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHOULD NOT EXCEED 8'-0".
- ALL BORDERS SHALL BE 3/4" WIDE AND CORNER RADIUS SHALL BE 2-1/4".
- SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS. LOCAL SUPPLIERS OF THE SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM ARE:

- \* J.O. HERBERT CO. MIDLOTHIAN, VA.
- \* WESTERN REMAC INC. WOODRIDGE, IL.

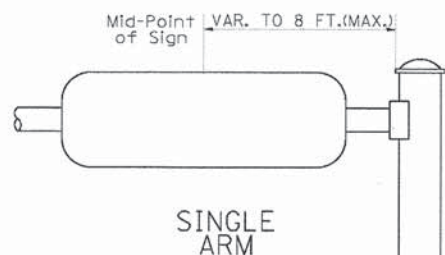
PARTS LISTING:  
 SIGN CHANNEL PART \*HPN053 (MED. CHANNEL)  
 SIGN SCREWS 1/4" x 14 x 1" H.W.H. #3  
 SELF TAPPING WITH NEOPRENE WASHER  
 BRACKETS PART \*HPN034 (UNIVERSAL)  
 CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BRACKET OF THE ABOVE PRODUCT.

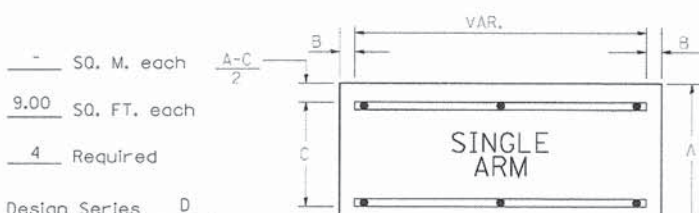
SUPPORTING CHANNELS



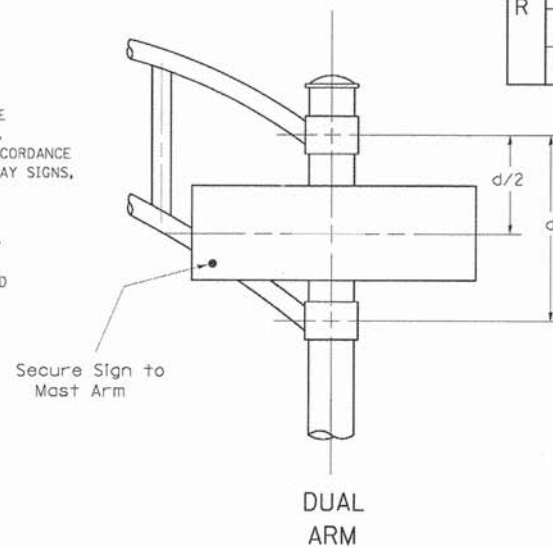
A	B	C
18"	2"	14"



SUPPORTING CHANNELS



A	B	C
18"	2"	12"
30"	2"	22"



SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM shall be used. See Note #5.

Upper Case To Lower Case  
 Spacing Chart 8-6 Inch Series "C & D"

EXAMPLE, 2<sup>3</sup> DENOTES 3/8"

SERIES	SECOND LETTER															
	acde goq		bhikl mnp ru		f w		j		s t		v y		x		z	
A W X	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>2</sup>	1 <sup>4</sup>	0 <sup>6</sup>	1 <sup>0</sup>	1 <sup>1</sup>	1 <sup>4</sup>	0 <sup>6</sup>	1 <sup>0</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>2</sup>	1 <sup>4</sup>
B	1 <sup>4</sup>	1 <sup>5</sup>	2 <sup>0</sup>	2 <sup>1</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>6</sup>	1 <sup>7</sup>
C E G	1 <sup>4</sup>	1 <sup>5</sup>	2 <sup>0</sup>	2 <sup>1</sup>	1 <sup>2</sup>	1 <sup>4</sup>	0 <sup>6</sup>	1 <sup>0</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>
D O O R	1 <sup>4</sup>	1 <sup>5</sup>	2 <sup>0</sup>	2 <sup>1</sup>	1 <sup>4</sup>	1 <sup>5</sup>	0 <sup>6</sup>	1 <sup>0</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>
F	0 <sup>5</sup>	0 <sup>6</sup>	1 <sup>4</sup>	1 <sup>5</sup>	0 <sup>6</sup>	1 <sup>0</sup>	0 <sup>5</sup>	0 <sup>6</sup>	0 <sup>6</sup>	1 <sup>0</sup>	0 <sup>6</sup>	1 <sup>0</sup>	0 <sup>6</sup>	1 <sup>0</sup>	1 <sup>1</sup>	1 <sup>2</sup>
H I M N	2 <sup>0</sup>	2 <sup>1</sup>	2 <sup>2</sup>	2 <sup>4</sup>	2 <sup>0</sup>	2 <sup>1</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>6</sup>	1 <sup>7</sup>	2 <sup>0</sup>	2 <sup>1</sup>	2 <sup>0</sup>	2 <sup>1</sup>
J U	2 <sup>0</sup>	2 <sup>1</sup>	2 <sup>0</sup>	2 <sup>1</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>6</sup>	1 <sup>7</sup>	2 <sup>0</sup>	2 <sup>1</sup>
K L	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>1</sup>	1 <sup>2</sup>	0 <sup>5</sup>	0 <sup>6</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>2</sup>	1 <sup>4</sup>
P	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>2</sup>	1 <sup>4</sup>	0 <sup>5</sup>	0 <sup>6</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>
S	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>2</sup>	1 <sup>4</sup>	0 <sup>6</sup>	1 <sup>0</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>
T	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>6</sup>	1 <sup>7</sup>	0 <sup>6</sup>	1 <sup>0</sup>	0 <sup>6</sup>	1 <sup>0</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>2</sup>	1 <sup>4</sup>
V	0 <sup>6</sup>	1 <sup>0</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>1</sup>	1 <sup>2</sup>	0 <sup>6</sup>	1 <sup>0</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>
Y	0 <sup>5</sup>	0 <sup>6</sup>	1 <sup>4</sup>	1 <sup>5</sup>	0 <sup>6</sup>	1 <sup>0</sup>	0 <sup>5</sup>	0 <sup>6</sup>	0 <sup>5</sup>	0 <sup>7</sup>	0 <sup>5</sup>	0 <sup>6</sup>	1 <sup>0</sup>	1 <sup>1</sup>	1 <sup>2</sup>	
Z	1 <sup>6</sup>	1 <sup>7</sup>	2 <sup>2</sup>	2 <sup>4</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>6</sup>	1 <sup>7</sup>	2 <sup>0</sup>	2 <sup>1</sup>

Lower Case To Lower Case  
 Spacing Chart 6 Inch Series "C & D"

SERIES	SECOND LETTER															
	acde goq		bhikl mnp ru		f w		j		s t		v y		x		z	
ad h g i j l m n q u	1 <sup>6</sup>	1 <sup>7</sup>	2 <sup>2</sup>	2 <sup>4</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>6</sup>	1 <sup>7</sup>
b f k o p s	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>1</sup>	1 <sup>2</sup>	0 <sup>5</sup>	0 <sup>6</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>
c e	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>2</sup>	1 <sup>4</sup>	0 <sup>6</sup>	1 <sup>0</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>
r	0 <sup>6</sup>	1 <sup>0</sup>	1 <sup>2</sup>	1 <sup>4</sup>	0 <sup>6</sup>	1 <sup>0</sup>	0 <sup>3</sup>	0 <sup>3</sup>	0 <sup>5</sup>	0 <sup>6</sup>	0 <sup>5</sup>	0 <sup>6</sup>	0 <sup>6</sup>	1 <sup>0</sup>	0 <sup>6</sup>	1 <sup>0</sup>
t z	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>2</sup>	1 <sup>4</sup>	0 <sup>6</sup>	1 <sup>0</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>
v y	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>1</sup>	1 <sup>2</sup>	0 <sup>5</sup>	0 <sup>6</sup>	0 <sup>6</sup>	1 <sup>0</sup>	0 <sup>6</sup>	1 <sup>0</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>
w	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>1</sup>	1 <sup>2</sup>	0 <sup>5</sup>	0 <sup>6</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>2</sup>	1 <sup>4</sup>
x	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>1</sup>	1 <sup>2</sup>	0 <sup>5</sup>	0 <sup>6</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>2</sup>	1 <sup>4</sup>

Number To Number  
 Spacing Chart 8 Inch Series "C & D"

SERIES	SECOND NUMBER																			
	0		1		2		3		4		5		6		7		8		9	
0 9	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>6</sup>	1 <sup>7</sup>
1	2 <sup>0</sup>	2 <sup>1</sup>	2 <sup>0</sup>	2 <sup>1</sup>	2 <sup>0</sup>	2 <sup>1</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>4</sup>	1 <sup>5</sup>	2 <sup>0</sup>	2 <sup>1</sup>	2 <sup>0</sup>	2 <sup>1</sup>	1 <sup>4</sup>	1 <sup>5</sup>	2 <sup>0</sup>	2 <sup>1</sup>	2 <sup>0</sup>	2 <sup>1</sup>
2 3 4	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>4</sup>	1 <sup>5</sup>
5	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>
6	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>2</sup>	1 <sup>5</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>4</sup>	1 <sup>5</sup>
7	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>2</sup>	1 <sup>5</sup>	0 <sup>5</sup>	0 <sup>6</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>1</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>2</sup>	1 <sup>4</sup>
8	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>2</sup>	1 <sup>5</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>4</sup>	1 <sup>5</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>6</sup>	1 <sup>7</sup>	1 <sup>4</sup>	1 <sup>5</sup>

UPPER AND LOWER CASE LETTER WIDTHS

LETTERS	6 INCH UPPER CASE LETTERS		8 INCH UPPER CASE LETTERS		LETTERS	6 INCH LOWER CASE LETTERS	
	C	D	C	D		C	D
A	3 <sup>6</sup>	5 <sup>0</sup>	5 <sup>0</sup>	6 <sup>5</sup>	a	3 <sup>5</sup>	4 <sup>2</sup>
B	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>	b	3 <sup>5</sup>	4 <sup>2</sup>
C	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>	c	3 <sup>5</sup>	4 <sup>1</sup>
D	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>	d	3 <sup>5</sup>	4 <sup>2</sup>
E	3 <sup>0</sup>	3 <sup>5</sup>	4 <sup>0</sup>	4 <sup>7</sup>	e	3 <sup>5</sup>	4 <sup>2</sup>
F	3 <sup>0</sup>	3 <sup>5</sup>	4 <sup>0</sup>	4 <sup>7</sup>	f	2 <sup>3</sup>	2 <sup>6</sup>
G	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>	g	3 <sup>5</sup>	4 <sup>2</sup>
H	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>	h	3 <sup>5</sup>	4 <sup>2</sup>
I	0 <sup>7</sup>	0 <sup>7</sup>	1 <sup>1</sup>	1 <sup>2</sup>	i	1 <sup>1</sup>	1 <sup>1</sup>
J	3 <sup>0</sup>	3 <sup>6</sup>	4 <sup>0</sup>	5 <sup>0</sup>	j	2 <sup>0</sup>	2 <sup>2</sup>
K	3 <sup>2</sup>	4 <sup>1</sup>	4 <sup>3</sup>	5 <sup>4</sup>	k	3 <sup>5</sup>	4 <sup>2</sup>
L	3 <sup>0</sup>	3 <sup>5</sup>	4 <sup>0</sup>	4 <sup>7</sup>	l	1 <sup>1</sup>	1 <sup>1</sup>
M	3 <sup>7</sup>	4 <sup>5</sup>	5 <sup>1</sup>	6 <sup>1</sup>	m	6 <sup>0</sup>	7 <sup>0</sup>
N	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>	n	3 <sup>5</sup>	4 <sup>2</sup>
O	3 <sup>4</sup>	4 <sup>2</sup>	4 <sup>5</sup>	5 <sup>5</sup>	o	3 <sup>6</sup>	4 <sup>3</sup>
P	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>	p	3 <sup>5</sup>	4 <sup>2</sup>
Q	3 <sup>4</sup>	4 <sup>2</sup>	4 <sup>5</sup>	5 <sup>5</sup>	q	3 <sup>5</sup>	4 <sup>2</sup>
R	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>	r	2 <sup>6</sup>	3 <sup>2</sup>
S	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>	s	3 <sup>6</sup>	4 <sup>2</sup>
T	3 <sup>0</sup>	3 <sup>5</sup>	4 <sup>0</sup>	4 <sup>7</sup>	t	2 <sup>7</sup>	3 <sup>2</sup>
U	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>	u	3 <sup>5</sup>	4 <sup>2</sup>
V	3 <sup>5</sup>	4 <sup>4</sup>	4 <sup>7</sup>	6 <sup>0</sup>	v	4 <sup>2</sup>	4 <sup>7</sup>
W	4 <sup>4</sup>	5 <sup>2</sup>	6 <sup>0</sup>	7 <sup>0</sup>	w	5 <sup>5</sup>	6 <sup>4</sup>
X	3 <sup>4</sup>	4 <sup>0</sup>	4 <sup>5</sup>	5 <sup>3</sup>	x	4 <sup>4</sup>	5 <sup>1</sup>
Y	3 <sup>6</sup>	5 <sup>0</sup>	5 <sup>0</sup>	6 <sup>6</sup>	y	4 <sup>6</sup>	5 <sup>3</sup>
Z	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>	z	3 <sup>6</sup>	4 <sup>3</sup>

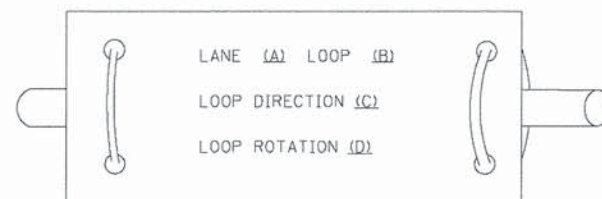
NUMBER	6 INCH SERIES		8 INCH SERIES	
	C	D	C	D
1	1 <sup>2</sup>	1 <sup>4</sup>	1 <sup>5</sup>	2 <sup>0</sup>
2	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>
3	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>
4	3 <sup>5</sup>	4 <sup>3</sup>	4 <sup>7</sup>	5 <sup>7</sup>
5	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>
6	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>
7	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>
8	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>
9	3 <sup>2</sup>	4 <sup>0</sup>	4 <sup>3</sup>	5 <sup>3</sup>
0	3 <sup>4</sup>	4 <sup>2</sup>	4 <sup>5</sup>	5<



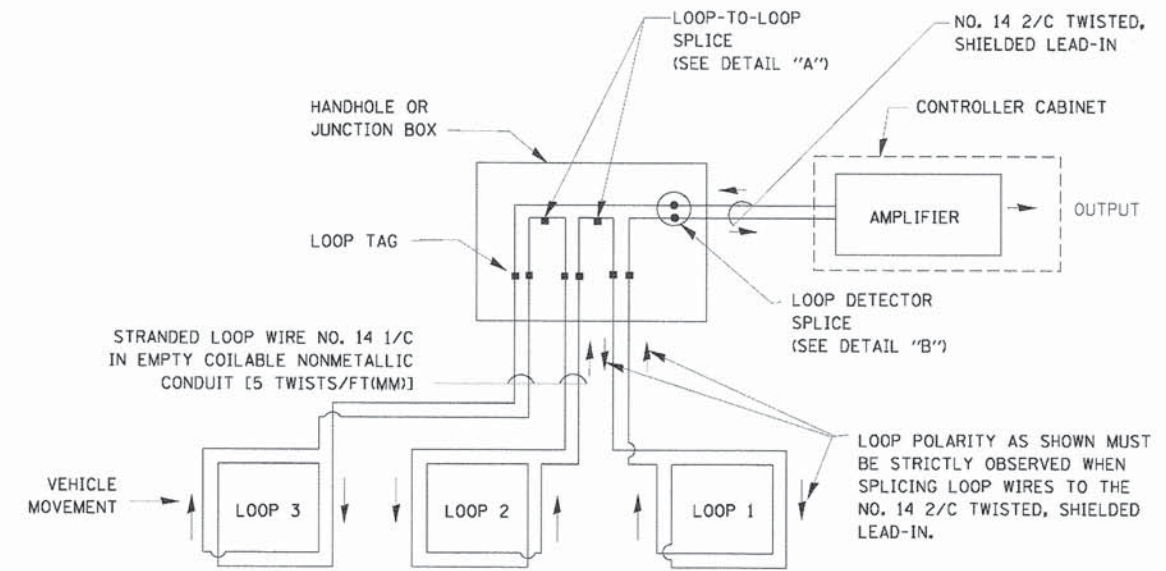
## LOOP DETECTOR NOTES

- EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
- THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
- EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
- ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
- IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
- LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
- PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

### LOOP LEAD-IN CABLE TAG

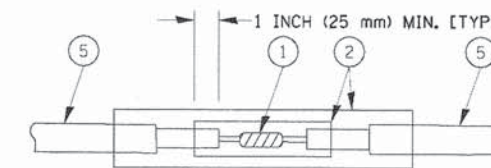


- LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

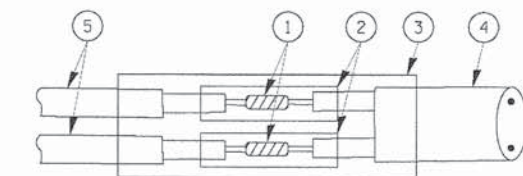


DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES.
- SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm), IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.

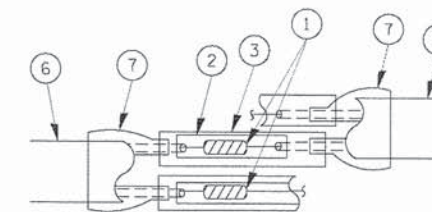


DETAIL "A"  
LOOP-TO-LOOP SPLICE

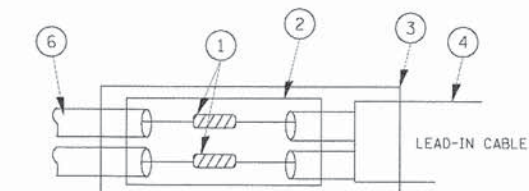


DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

### TYPE I LOOP



DETAIL "A"  
LOOP-TO-LOOP SPLICE



DETAIL "B"  
LOOP-TO-CONTROLLER SPLICE

### LOOP DETECTOR SPLICE

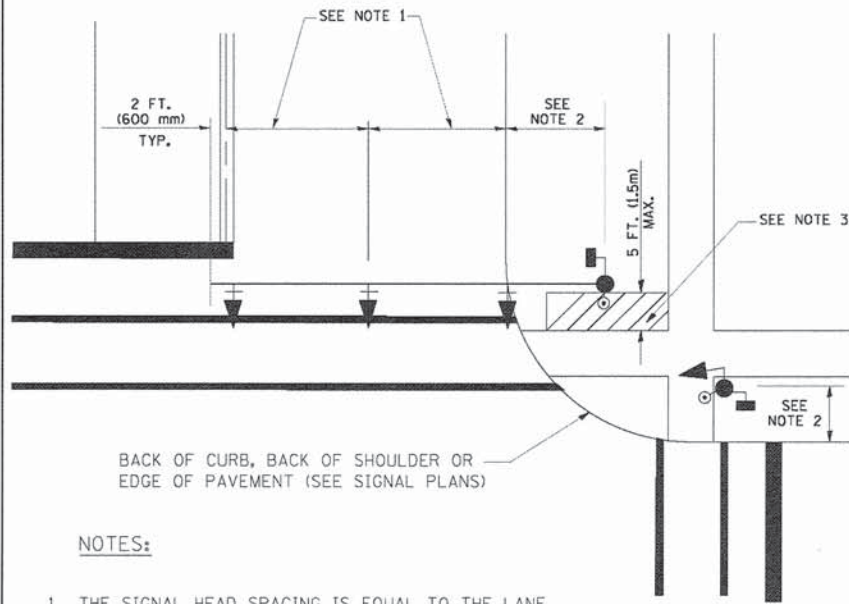
- WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH.
- WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- NO. 14 2/C TWISTED, SHIELDED CABLE.
- LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.
- PRE-FORMED LOOP
- XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

FILE NAME =	USER NAME = bauer01	DESIGNED - DAD	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
et\p\work\PI\DOT\RAUER\DL\0108315\ts09.dgn	DRAWN - BCK	REVISED -	0369			12-00233-07-PV	DUPAGE	285	196
PLOT SCALE = 50.0000' / IN.	CHECKED - DAD	REVISED -	<b>TS-05</b>			CONTRACT NO. 63851			
PLOT DATE = 11/4/2009	DATE - 10-28-09	REVISED -	FED. ROAD DIST. NO. 1   ILLINOIS   FED. AID PROJECT						
				SCALE: NONE		SHEET NO. 42 OF 50 SHEETS		STA. TO STA.	



**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST**

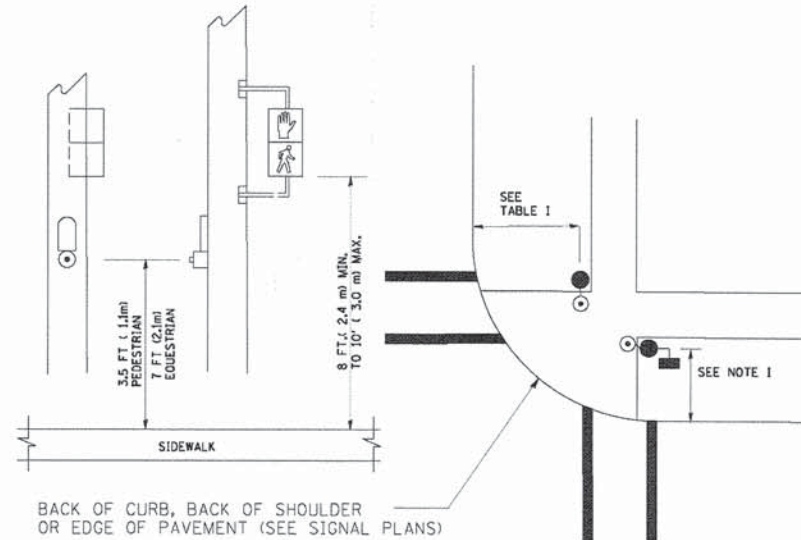
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



**NOTES:**

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

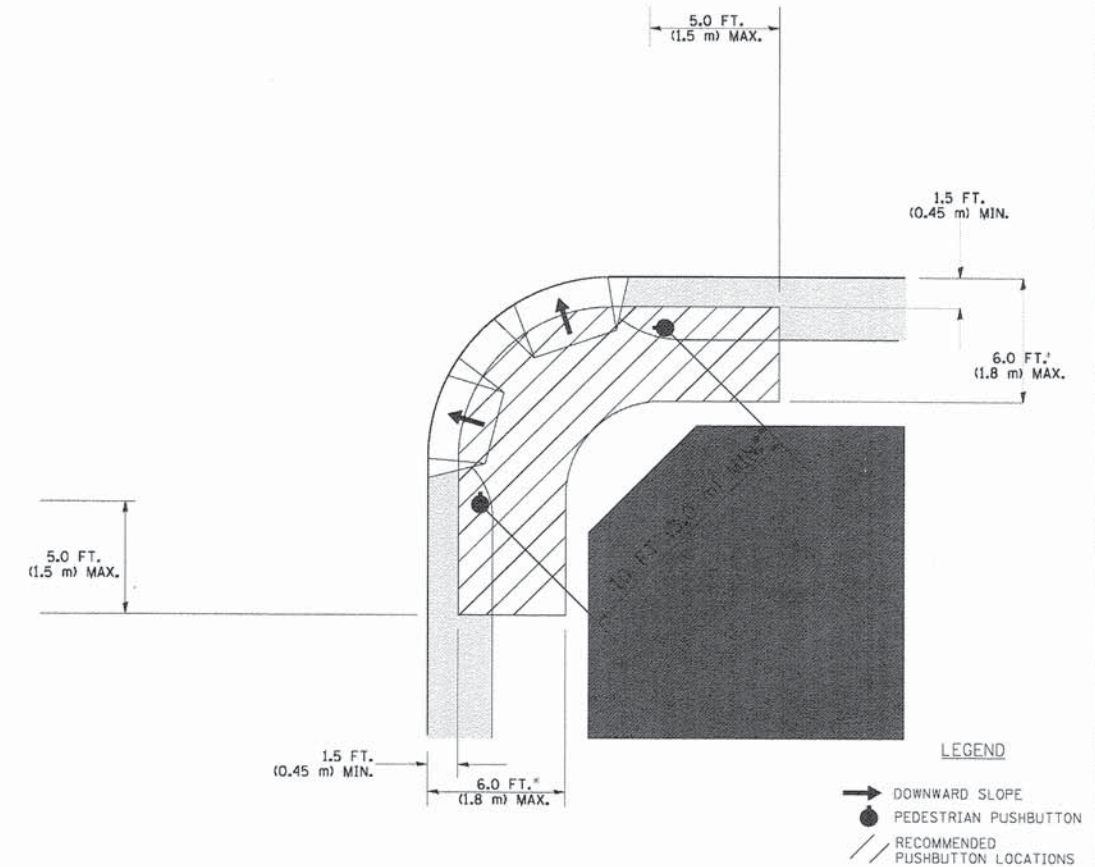
**PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST**



**NOTES:**

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

**RECOMMENDED PUSHBUTTON LOCATIONS**



- WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT ( 1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

**NOTES:**

1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

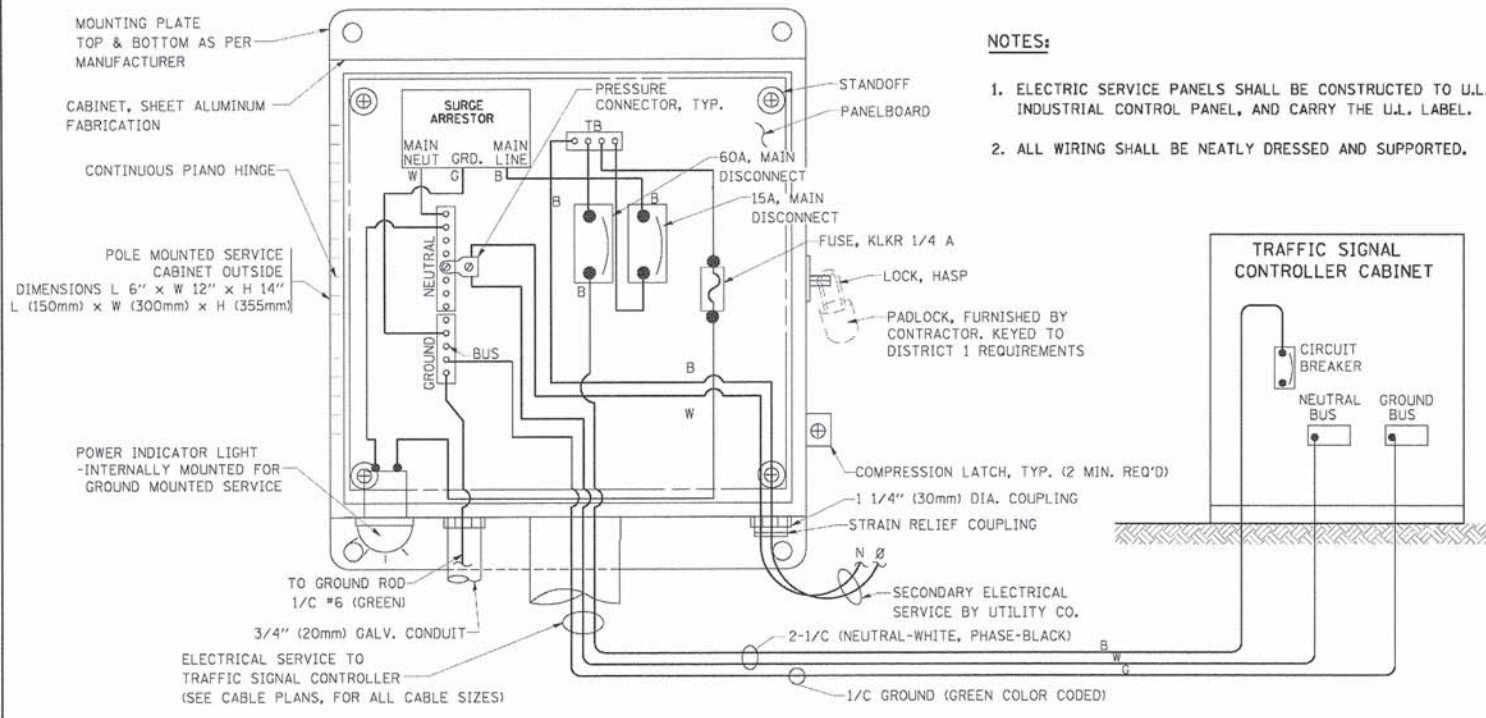
**TRAFFIC SIGNAL EQUIPMENT OFFSET**

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

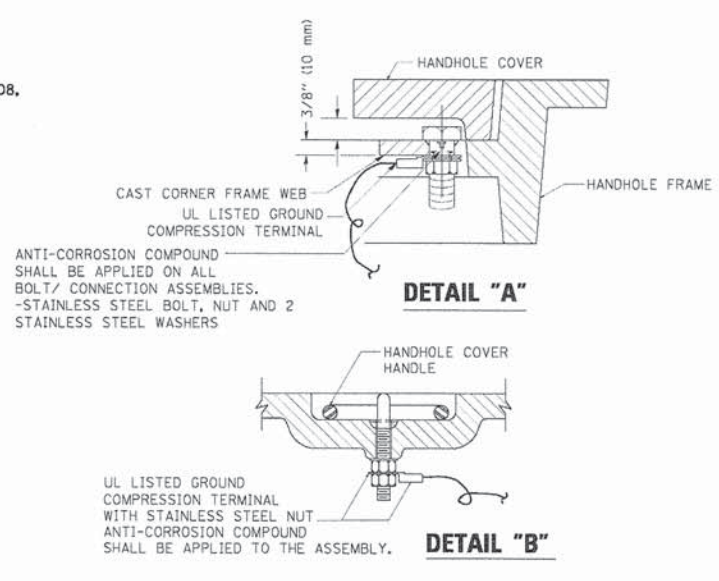
**NOTES:**

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TO THE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD AFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

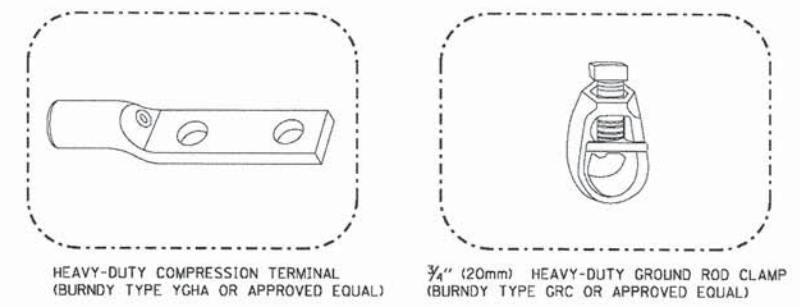
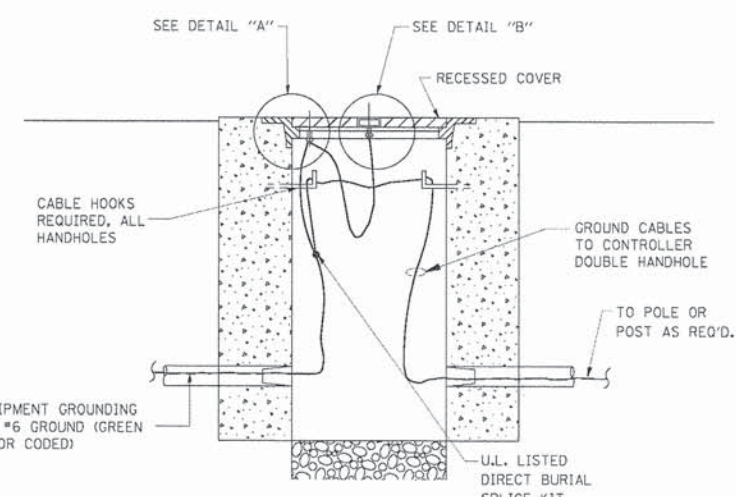




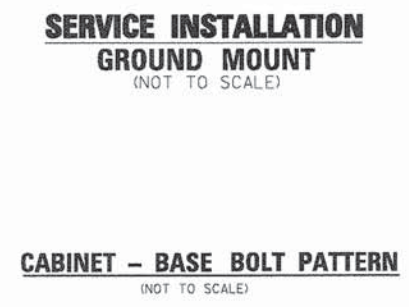
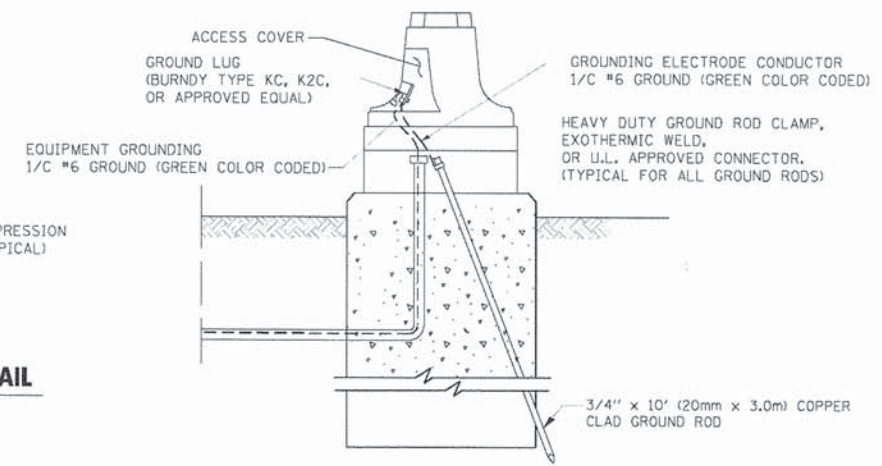
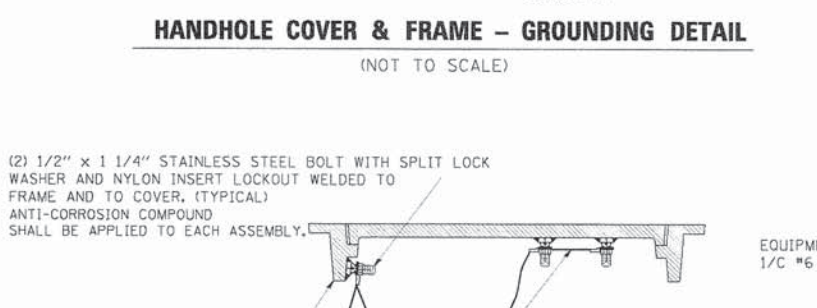
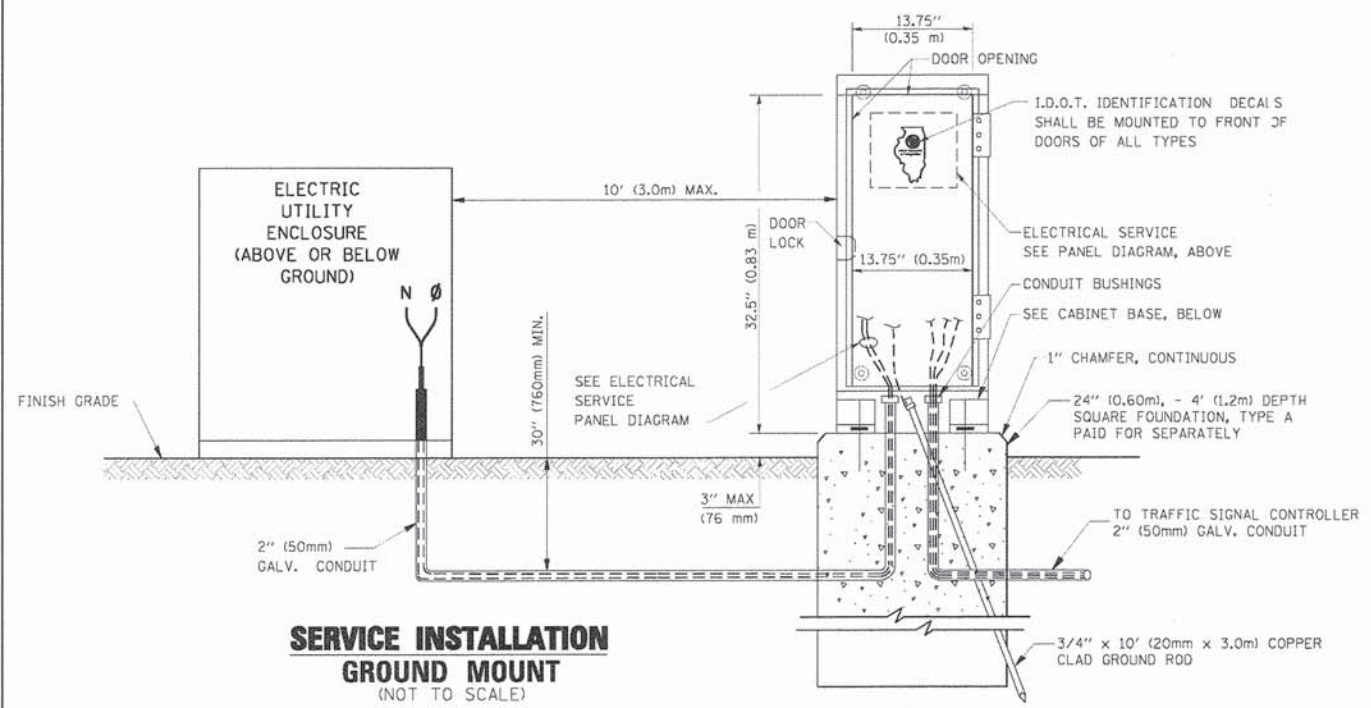
- NOTES:**
1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
  2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.



- NOTES:**
- GROUNDING SYSTEM**
1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC.). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD. ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
  2. THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
  3. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
  4. THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.

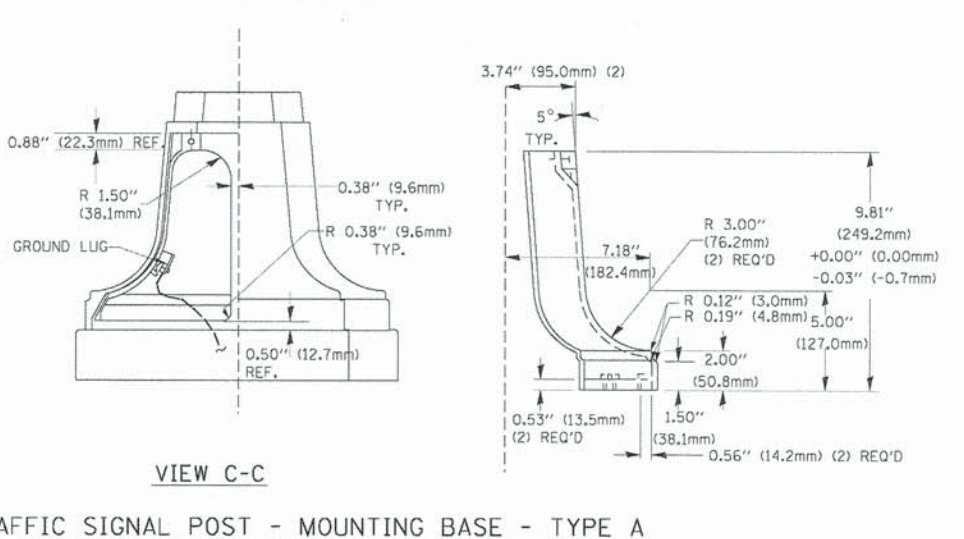
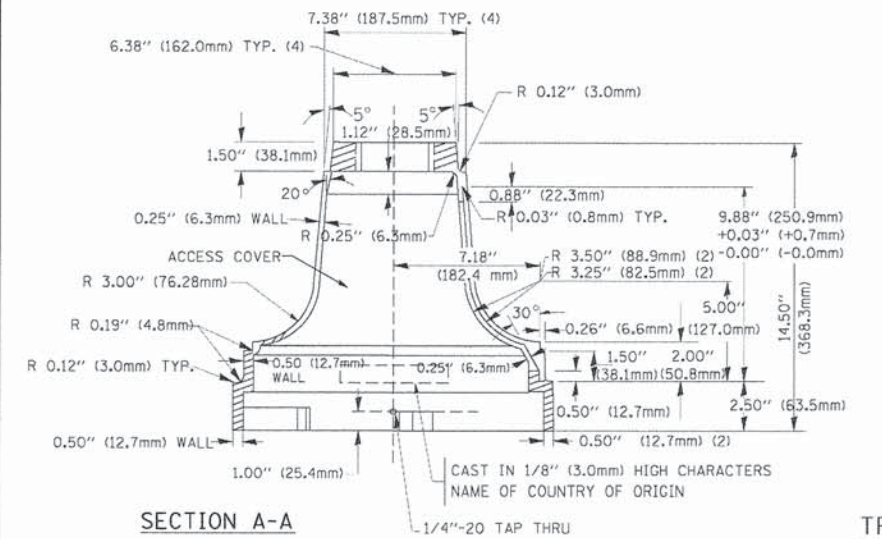
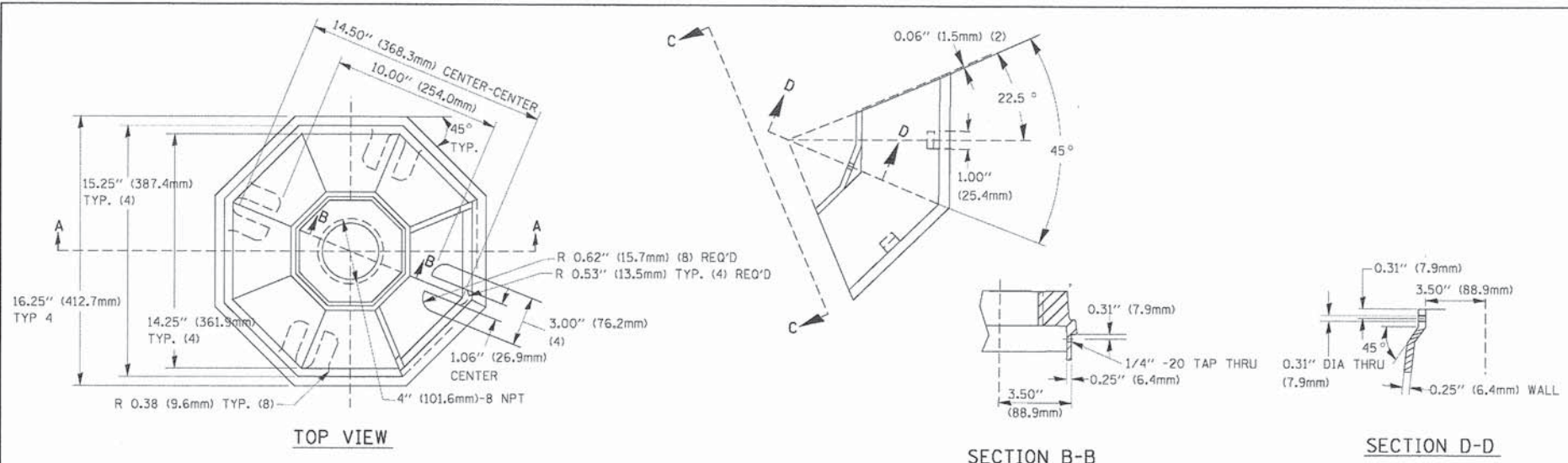


- NOTES:**
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
  - GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.

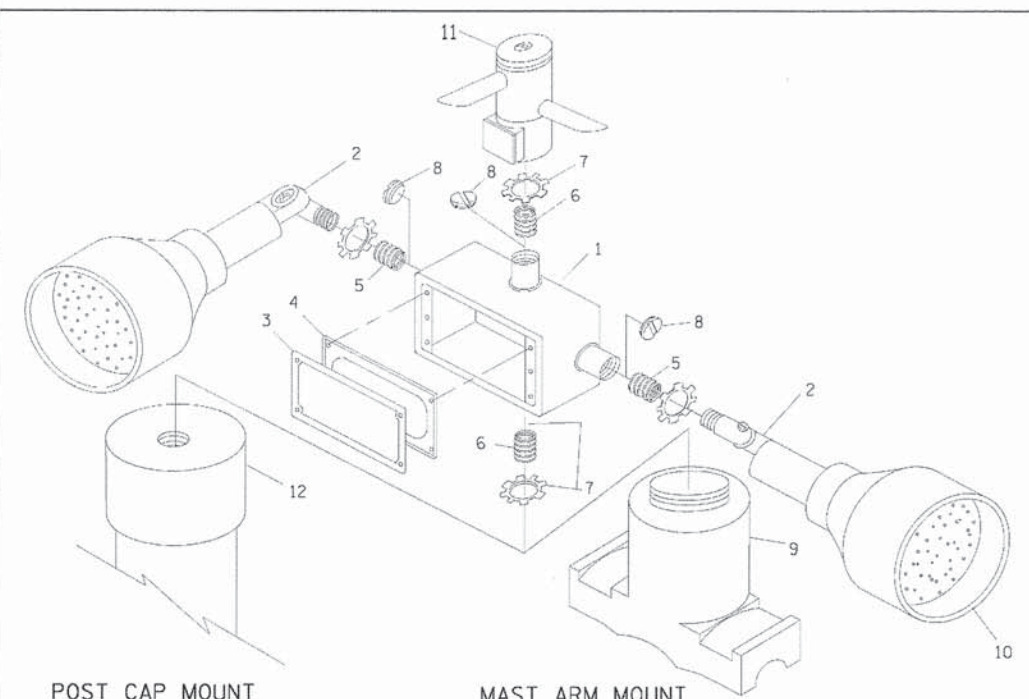


FILE NAME =	USER NAME = board	DESIGNED - DAD	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEET NO.	
ca:\pwwork\11007\BAUER\11007\11007.dgn		DRAWN - BCK	REVISED -			0369	12-00233-07-PV	DUPAGE	285	198
PLOT SCALE = 5/8" = 1" / IN.		CHECKED - DAD	REVISED -			<b>TS-05</b>				
PLOT DATE = 11/4/2009		DATE - 10-28-09	REVISED -			CONTRACT NO. 63851				
				SCALE: NONE		SHEET NO. 44 OF 50 SHEETS		STA. TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT										



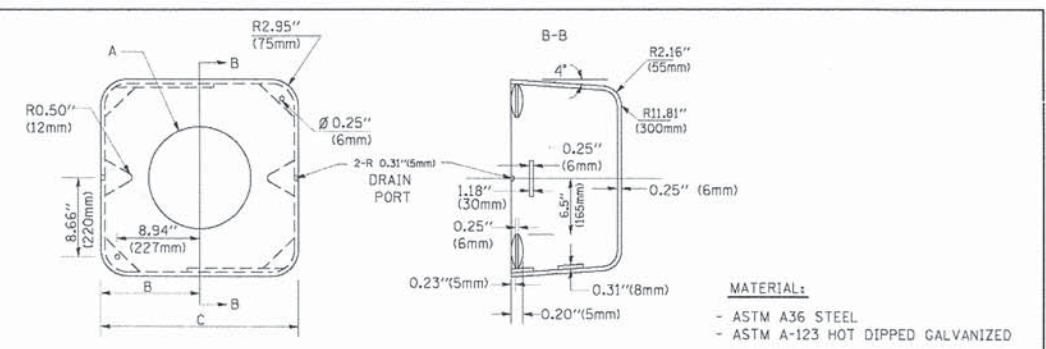


TRAFFIC SIGNAL POST - MOUNTING BASE - TYPE A



ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4\"(19 mm) CLOSE NIPPLE
7	3/4\"(19 mm) LOCKNUT
8	3/4\"(19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP (18 FT. (5.4 m) POST MIN.)

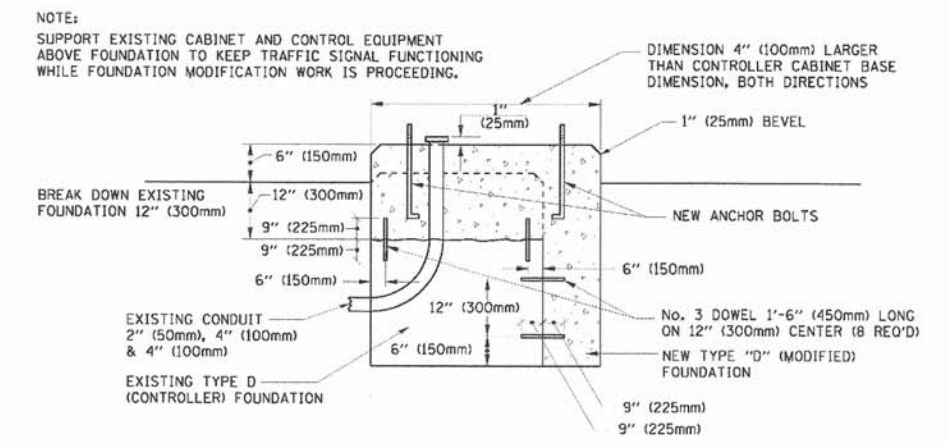
- NOTES:**
- ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
  - ITEM #1- OZ/GEJNEY FSX-1-50 OR EQUIVALENT  
ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT  
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
  - WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4\"(19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



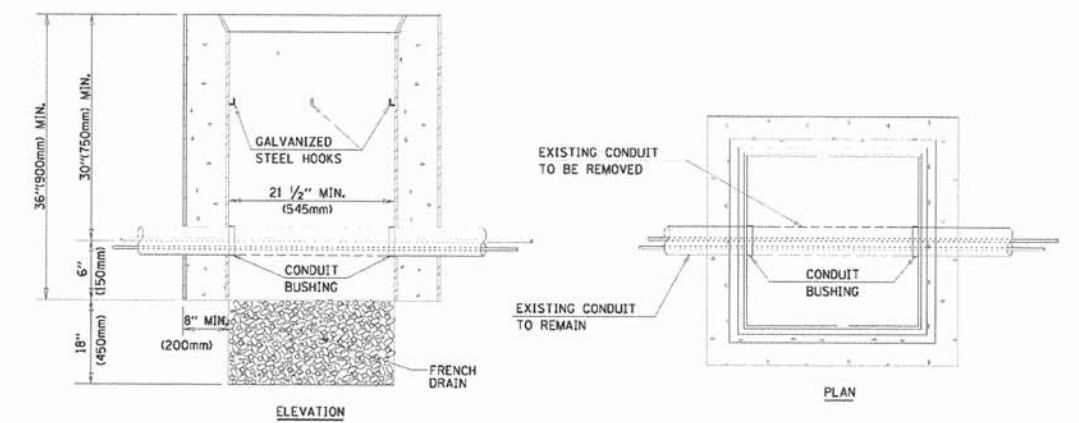
A	B	C	HEIGHT	WEIGHT
VARIABLES	9.5\"(241mm)	19\"(483mm)	7\"(178mm) - 12\"(300mm)	53 lbs (24kg)
VARIABLES	10.75\"(273mm)	21.5\"(546mm)	7\"(178mm) - 12\"(300mm)	68 lbs (31 kg)
VARIABLES	13.0\"(330mm)	26\"(660mm)	7\"(178mm) - 12\"(300mm)	81 lbs (37 kg)
VARIABLES	18.5\"(470mm)	37\"(940mm)	7\"(178mm) - 12\"(300mm)	126 lbs (57 kg)

SHROUD

- NOTES:**
- DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
  - THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
  - THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.



MODIFY EXISTING TYPE "D" FOUNDATION



- NOTES:**
- HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
  - REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCIDENTAL TO THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

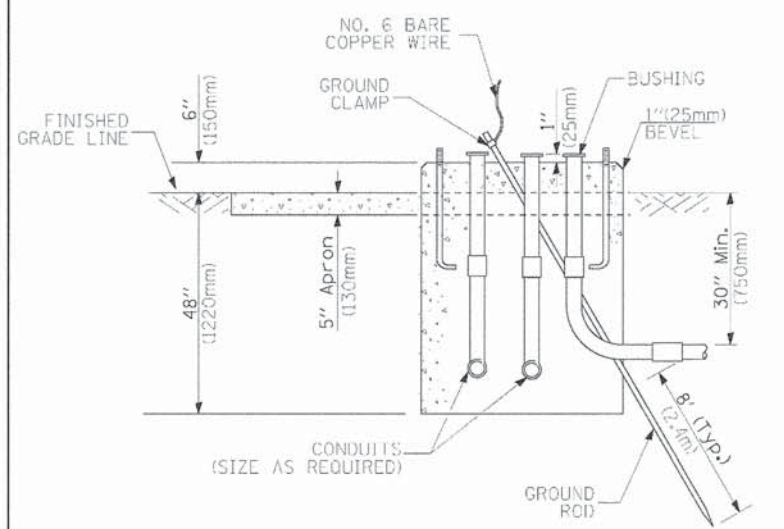
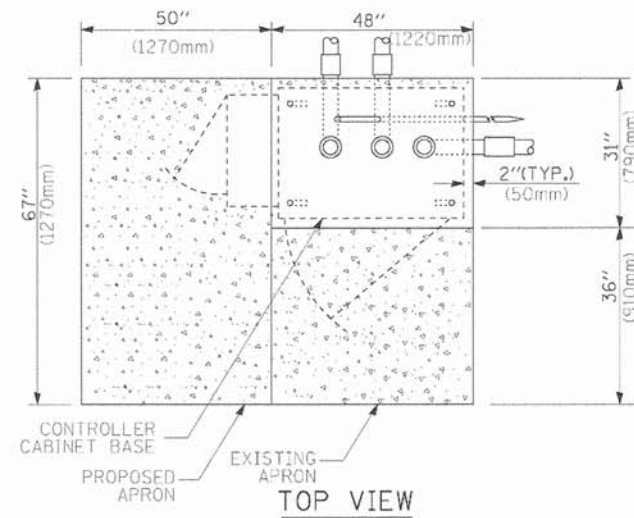
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		CHECKED - DAD	REVISED -
		DATE - 10-28-09	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

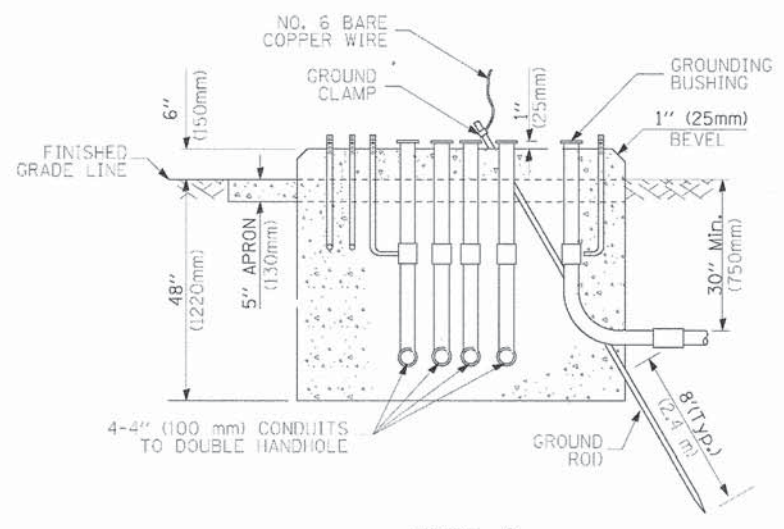
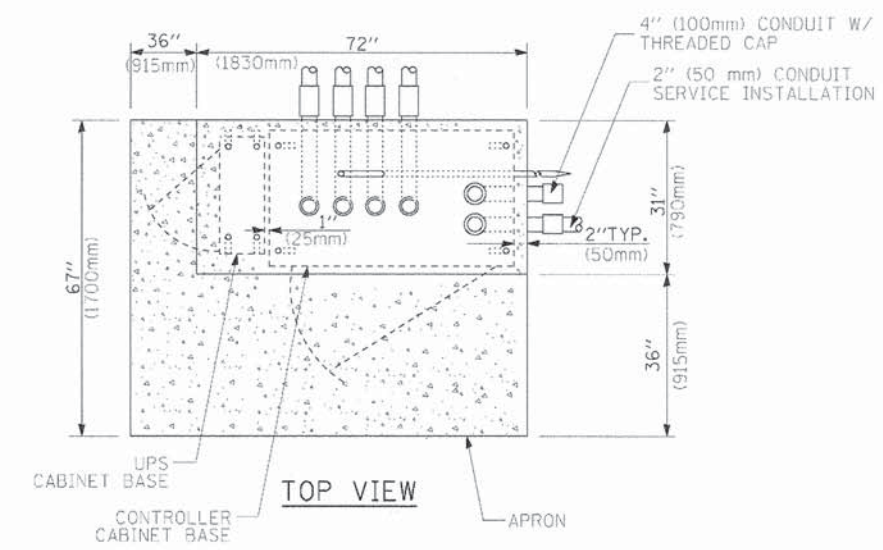
DISTRICT ONE  
STANDARD TRAFFIC SIGNAL DESIGN DETAILS  
SCALE: NONE SHEET NO. 45 OF 50 SHEETS STA. TO STA.

F.A.P. RTE. 0369	SECTION 12-00233-07-PV	COUNTY DUPAGE	TOTAL SHEETS NO. 285	SHEET NO. 199
TS-05			CONTRACT NO. 63851	
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				

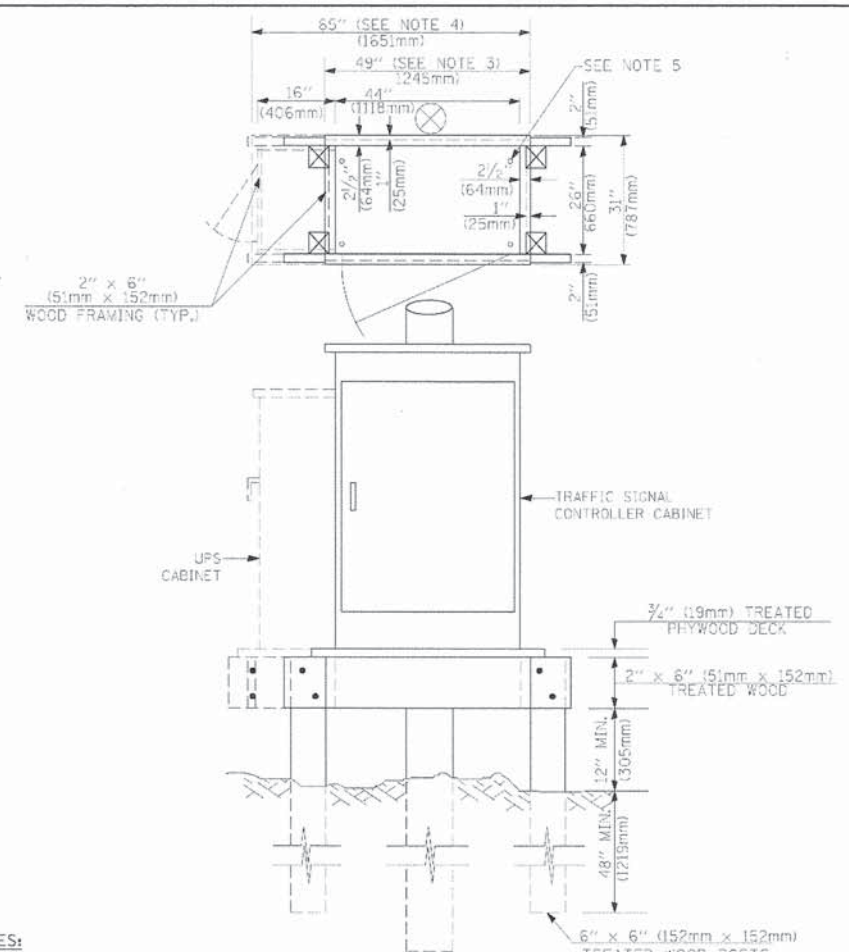




**TYPE D  
FOR GROUND MOUNTED  
CONTROLLER CABINET  
AND UPS BATTERY CABINET**



**TYPE C  
FOR GROUND MOUNTED  
CONTROLLER CABINET  
AND UPS BATTERY CABINET**



- NOTES:**
1. BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
  2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
  3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
  4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
  5. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
  6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION.

**TEMPORARY SIGNAL CONTROLLER  
WOOD SUPPORT PLATFORM**

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

**CABLE SLACK**

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0-L	6.0-L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

**VERTICAL CABLE LENGTH**

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

**DEPTH OF FOUNDATION**

Mast Arm Length	Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 55' (16.8 m) and less than 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

- NOTES:**
1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (Qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & structures should be contacted for a revised design if other conditions are encountered.
  2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
  3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations.
  4. For mast arm assemblies with dual arms refer to state standard 878001.

**DEPTH OF MAST ARM FOUNDATIONS, TYPE E**