

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	15-00083-00-PV	COOK	60	1
M-4003(579)		ILLINOIS	CONTRACT NO. 61C26	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR INDEX OF HIGHWAY STANDARDS, SEE SHEET NO. 2

FUNCTIONAL CLASSIFICATION

ILLINOIS ROUTE 68 (DUNDEE ROAD) = OTHER PRINCIPAL ARTERIAL
 COMMUNITY BOULEVARD = LOCAL

TRAFFIC DATA

ILLINOIS ROUTE 68 (DUNDEE ROAD)
 POSTED SPEED = 35 MPH
 DESIGN SPEED = 40 MPH
 2015 ADT = 34,000

COMMUNITY BOULEVARD

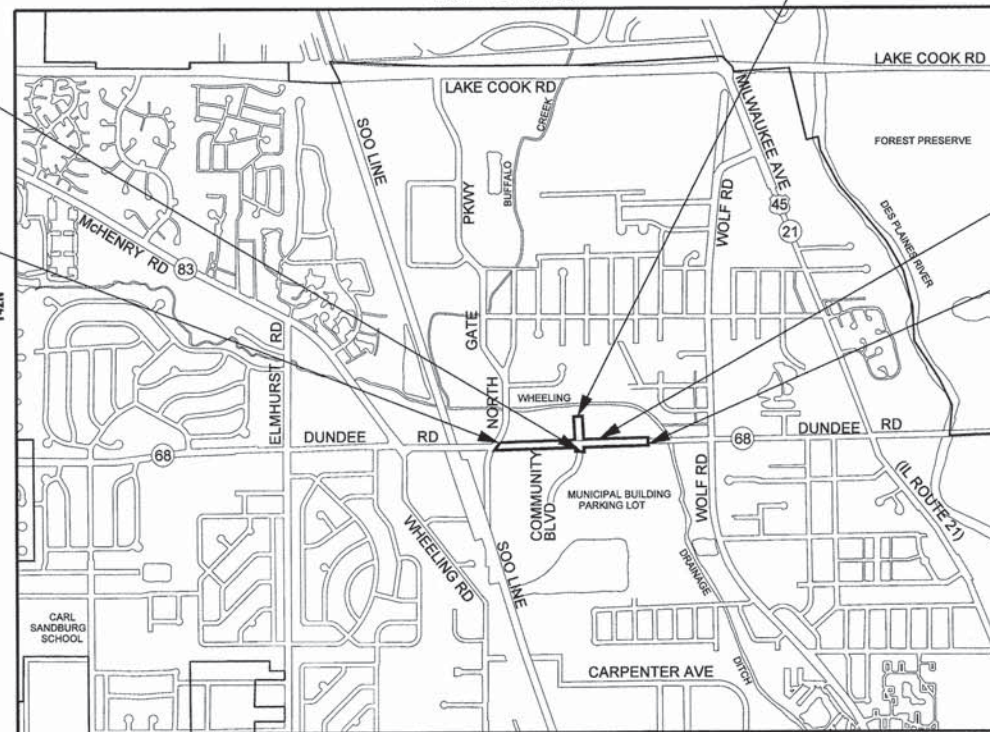
POSTED SPEED = N/A
 DESIGN SPEED = 30 MPH
 2015 ADT = 2,000

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PLANS FOR PROPOSED
FEDERAL AID HIGHWAY
FAP ROUTE 343 ILLINOIS ROUTE 68 (DUNDEE ROAD)
AT COMMUNITY BLVD
INTERSECTION AND TRAFFIC SIGNAL IMPROVEMENTS
SECTION: 15-00083-00-PV
PROJECT: M-4003(579)
VILLAGE OF WHEELING
COOK COUNTY
JOB NUMBER: C-91-032-16



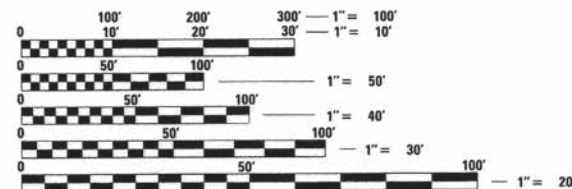
IMPROVEMENT BEGINS
 COMMUNITY BOULEVARD
 STA. 20 + 15

IMPROVEMENT BEGINS
 IL ROUTE 68
 STA. 208 + 48



IMPROVEMENT ENDS
 COMMUNITY BOULEVARD
 STA. 24 + 76

PROJECT SITE
 IMPROVEMENT ENDS
 IL ROUTE 68
 STA. 221 + 40



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. DESIGN STAGE REQUEST
 DIG. No. X1210119

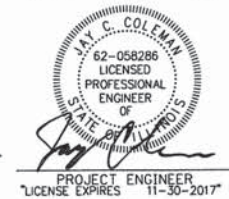
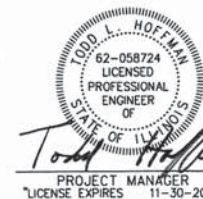


CONTACT JULIE AT 811 OR 800-892-0123 WITH THE FOLLOWING:

COUNTY = COOK
 CITY-TOWNSHIP = WHEELING
 SEC. & 1/4 SEC. NO. = SW 1/4 SEC 2, T42N, R11E
 48 HOURS (2 working days) BEFORE YOU DIG

CONTRACT NO. 61C26

SECTION 2, T42N, R11E, OF THE THIRD PRINCIPAL MERIDIAN
 GROSS LENGTH = 1753 FT. = 0.33 MILE
 NET LENGTH = 1753 FT. = 0.33 MILE



PROJECT MANAGER
 LICENSE EXPIRES 11-30-2017

PROJECT ENGINEER
 LICENSE EXPIRES 11-30-2017

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

APPROVED December 2, 2015
John M. Beck
 VILLAGE OF WHEELING, REPRESENTATIVE

PASSED DEC. 28, 2015
Colin W. ...
 DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID
 BASED ON LIMITED
 REVIEW December 30, 2015
John P. ...
 DEPUTY DIRECTOR OF
 HIGHWAYS, REGION 1 ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS
 B&W PROJECT NO.: 140350 DATE: 12-04-15

FEDERAL AID PROGRAM ENGINEER: FAWAD ADEEL, P.E. (847) 705-4021 SCHRAMBURG, IL

COMMITMENTS

THERE ARE NO COMMITMENTS ON THIS PROJECT.

HIGHWAY STANDARDS

- 00001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 280001-07 TEMPORARY EROSION CONTROL SYSTEMS
- 424001-08 PERPENDICULAR CURB RAMPS FOR SIDEWALKS
- 424011-02 CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
- 424026-01 ENTRANCE/ALLEY PEDESTRIAN CROSSINGS
- 442201-03 CLASS C AND D PATCHES
- 602011-02 CATCH BASIN TYPE C
- 602301-04 INLET - TYPE A
- 604001-04 FRAME AND LIDS TYPE 1
- 604051-04 FRAME AND GRATE TYPE 11
- 604091-03 FRAME AND GRATE TYPE 24
- 606001-06 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
- 606201-03 TYPE B GUTTER (INLET, OUTLET & ENTRANCE)
- 701101-05 OFF-RD OPERATIONS, MULTILANE, 15' (4.5 m) TO 24' (600 mm) FROM PAVEMENT EDGE
- 701106-02 OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' (4.5 m) AWAY
- 701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
- 701602-07 URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
- 701701-10 URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 701801-06 SIDEWALK, CORNER OR CROSSWALK CLOSURE
- 701901-05 TRAFFIC CONTROL DEVICES
- 720001-01 SIGN PANEL MOUNTING DETAILS
- 720006-04 SIGN PANEL ERECTION DETAILS
- 720016-03 MAST ARM MOUNTED STREET NAME SIGNS
- 728001-01 TELESCOPING STEEL SIGN SUPPORT
- 731001-01 BASE FOR TELESCOPING STEEL SIGN SUPPORT
- 780001-05 TYPICAL PAVEMENT MARKINGS
- 781001-04 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
- 805001-01 ELECTRICAL SERVICE INSTALLATION DETAILS
- 814001-03 HANDHOLES
- 814006-02 DOUBLE HANDHOLES
- 857001-01 STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
- 862001-01 UNINTERRUPTABLE POWER SUPPLY (UPS)
- 877001-06 STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
- 877006-05 STEEL MAST ARM ASSEMBLY AND POLE WITH DUAL MAST ARMS
- 878001-10 CONCRETE FOUNDATION DETAILS
- 880001-01 SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
- 880006-01 TRAFFIC SIGNAL MOUNTING DETAILS
- 886001-01 DETECTOR LOOP INSTALLATIONS
- 886006-01 TYPICAL LAYOUTS FOR DETECTION LOOPS

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS, HIGHWAY STANDARDS
AND COMMITMENTS**

SCALE: NONE STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	15-00083-00-PV	COOK	60	2
				CONTRACT NO. 61C26
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003579				

SUMMARY OF QUANTITIES

CODE NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
				ROADWAY	SAFETY
				0004 STU	0021 STU
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	758	758	
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	293	293	
40603565	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70	TON	1,090	1,090	
42001300	PROTECTIVE COAT	SQ YD	2,511	2,511	
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	109	109	
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	12,522	12,522	
42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	1,210	1,210	
42400800	DETECTABLE WARNINGS	SQ FT	333	333	
44000100	PAVEMENT REMOVAL	SQ YD	206	206	
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	8,250	8,250	
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	665	665	
44000300	CURB REMOVAL	FOOT	105	105	
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	2,033	2,033	
44000600	SIDEWALK REMOVAL	SQ FT	7,575	7,575	
44201789	CLASS D PATCHES, TYPE II, 12 INCH	SQ YD	124	124	
44201794	CLASS D PATCHES, TYPE III, 12 INCH	SQ YD	124	124	

* SPECIALTY ITEMS

CODE NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
				ROADWAY	SAFETY
				0004 STU	0021 STU
44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SQ YD	124	124	
* 56400100	FIRE HYDRANTS TO BE MOVED	EACH	2	2	
* 56400300	FIRE HYDRANTS TO BE ADJUSTED	EACH	2	2	
* 56500600	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	2	2	
60206905	CATCH BASINS, TYPE C, TYPE 1 FRAME, OPEN LID	EACH	4	4	
60208240	CATCH BASINS, TYPE C, TYPE 24 FRAME AND GRATE	EACH	9	9	
60500040	REMOVING MANHOLES	EACH	1	1	
60500050	REMOVING CATCH BASINS	EACH	10	10	
60500060	REMOVING INLETS	EACH	4	4	
60600605	CONCRETE CURB, TYPE B	FOOT	180	180	
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	750	750	
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	1,989	1,989	
* 63200310	GUARDRAIL REMOVAL	FOOT	90	90	
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	170	170	
* 66900400	SPECIAL WASTE GROUNDWATER DISPOSAL	GALLON	620	620	
* 66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1	1	

* SPECIALTY ITEMS

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE

STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	15-00083-00-PV	COOK	60	5
CONTRACT NO. 61C26				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-400315791				

SUMMARY OF QUANTITIES

CODE NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
				ROADWAY	SAFETY
				0004 STU	0021 STU
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	2	2	
67100100	MOBILIZATION	L SUM	1	1	
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1	
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1	
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1	
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	12	10	2
70300100	SHORT TERM PAVEMENT MARKING	FOOT	608	608	
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	480	480	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	9,006	9,006	
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	2,762	2,762	
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	2,276	2,276	
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	326	326	
70300150	Short Term PAVEMENT MARKING REMOVAL	SQ FT	203	203	
72000100	SIGN PANEL - TYPE 1	SQ FT	24.5	24.5	
72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	3	3	
72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	7	7	

* SPECIALTY ITEMS

CODE NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
				ROADWAY	SAFETY
				0004 STU	0021 STU
72400600	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	2	2	
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	90	90	
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	240	240	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	4,503	4,503	
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1,381	1,381	
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1,138	1,138	
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	163	163	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	159	159	
* 78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	130	130	
* 80500020	SERVICE INSTALLATION - POLE MOUNTED	EACH	1		1
* 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1,563		1,563
* 81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	312		312
* 81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	49		49
* 81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	483		483
* 81400100	HANDHOLE	EACH	10		10
* 81400200	HEAVY-DUTY HANDHOLE	EACH	4		4

* SPECIALTY ITEMS

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE

STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	15-00083-00-PV	COOK	60	6
CONTRACT NO. 61C26			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-400315791	

SUMMARY OF QUANTITIES

CODE NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
				ROADWAY	SAFETY
				0004 STU	0021 STU
* 81400300	DOUBLE HANDHOLE	EACH	2		2
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2		2
* 85100500	PAINT NEW TRAFFIC SIGNAL POST	EACH	4		4
* 85100600	PAINT NEW MAST ARM AND POLE, UNDER 40 FOOT	EACH	1		1
* 85100701	PAINT NEW MAST ARM AND POLE, 40 FOOT AND OVER	EACH	3		3
* 86400100	TRANSCEIVER - FIBER OPTIC	EACH	1		1
* 87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	3,110		3,110
* 87301115	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 12 2C	FOOT	697		697
* 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,376		1,376
* 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2,569		2,569
* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,313		1,313
* 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,647		1,647
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1,719		1,719
* 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	93		93
* 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	567		567
* 87501200	TRAFFIC SIGNAL POST, 16 FT.	EACH	4		4

* SPECIALTY ITEMS

CODE NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
				ROADWAY	SAFETY
				0004 STU	0021 STU
* 87700220	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1		1
* 87700280	STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1		1
* 87700300	STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	2		2
* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	16		16
* 87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4		4
* 87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	54		54
* 87900200	DRILL EXISTING HANDHOLE	EACH	1		1
* 88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6		6
* 88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4		4
* 88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4		4
* 88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8		8
* 88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	10		10
* 88500100	INDUCTIVE LOOP DETECTOR	EACH	8		8
* 88600100	DETECTOR LOOP, TYPE I	FOOT	927		927
* 88700200	LIGHT DETECTOR	EACH	2		2
* 88700300	LIGHT DETECTOR AMPLIFIER	EACH	1		1

* SPECIALTY ITEMS

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE

STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	15-00083-00-PV	COOK	60	7
CONTRACT NO. 61C26				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-40036791				

SUMMARY OF QUANTITIES

CODE NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
				ROADWAY	SAFETY
				0004 STU	0021 STU
* 88800100	PEDESTRIAN PUSH-BUTTON	EACH	8		8
* 89502380	REMOVE EXISTING HANDHOLE	EACH	4		4
* 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	3,050		3,050
* A2001612	TREE, ACER SACCHARINUM MORTON (CRESCENDO SUGAR MAPLE), 2" CALIPER, BALLED AND BURLAPPED	EACH	5	5	
* A2002916	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 2" CALIPER, BALLED AND BURLAPPED	EACH	4	4	
* A2004720	TREE, GLEDITSIA TRIACANTHOS INERMIS SHADEMASTER (SHADEMASTER THORNLESS COMMON HONEYLOCUST), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	5	5	
* B2000770	TREE, AMELANCHIER X GRANDIFLORA AUTUMN BRILLIANCE (AUTUMN BRILLIANCE SERVICE BERRY), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	4	4	
Z0013797	STABILIZED CONSTRUCTION ENTRANCE	SQ YD	100	100	
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
Z0017400	DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED	EACH	14	14	
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	117.5	117.5	
* Z0033028	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	6		6
* Z0033046	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1		1
Z0056606	STORM SEWER (WATER MAIN REQUIREMENTS) 10 INCH	FOOT	96		96
* X0322131	EMERGENCY VEHICLE PREEMPTION PUSHBUTTON ASSEMBLY	EACH	1		1

* SPECIALTY ITEMS

CODE NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
				ROADWAY	SAFETY
				0004 STU	0021 STU
* X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	329		329
* X0324599	ROD AND CLEAN EXISTING CONDUIT	FOOT	2,717		2,717
* X0326356	TEMPORARY WIRELESS INTERCONNECT SYSTEM	EACH	1		1
* X0326357	ROADWAY LIGHTING MODIFICATIONS	LSUM	1	1	
* X0327698	LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4		4
* X1400081	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1		1
X2130010	EXPLORATION TRENCH, SPECIAL	FOOT	200	200	
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	4	4	
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	6	6	
* X8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	3,110		3,110

* SPECIALTY ITEMS

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DATE - 12-04-15	FILE - 140350SHT-PH2-500.dgn

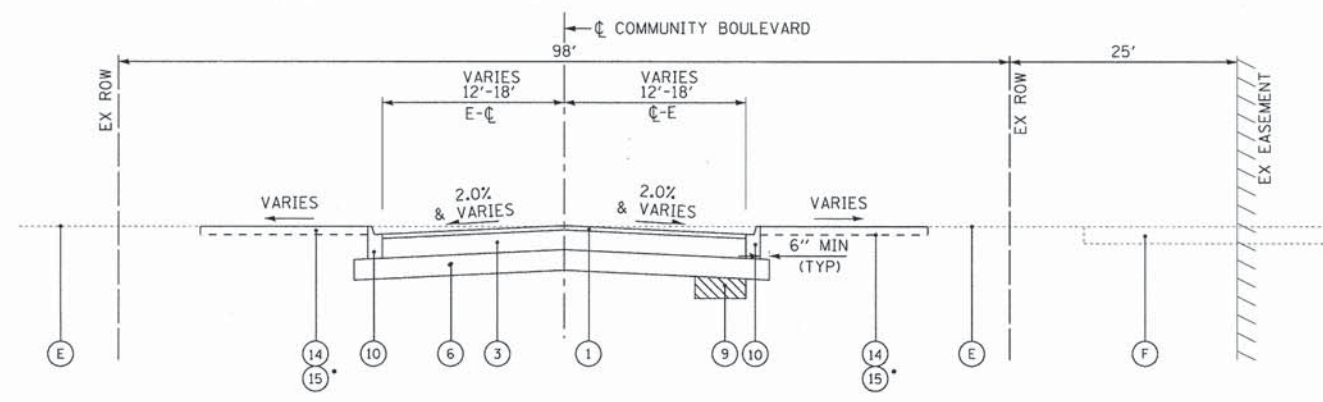
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: NONE

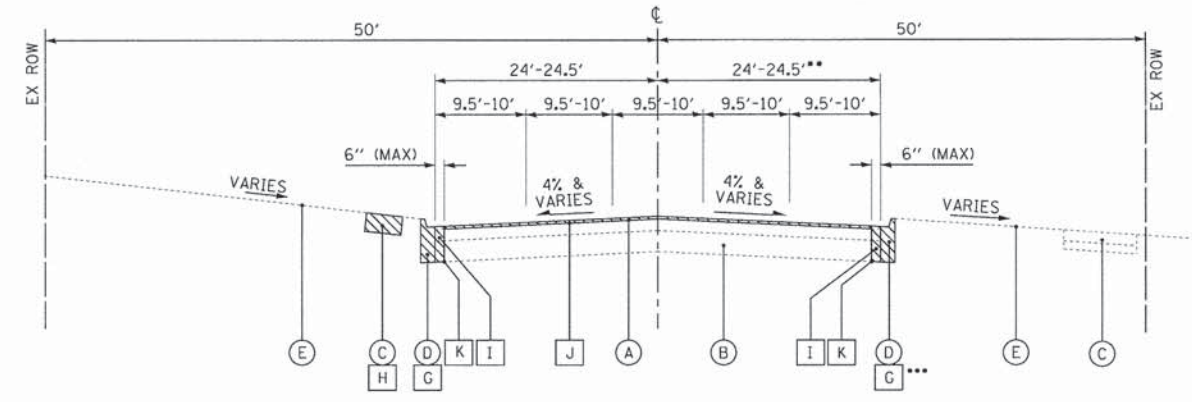
STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	15-00083-00-PV	COOK	60	8
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-40036791			CONTRACT NO. 61C26	



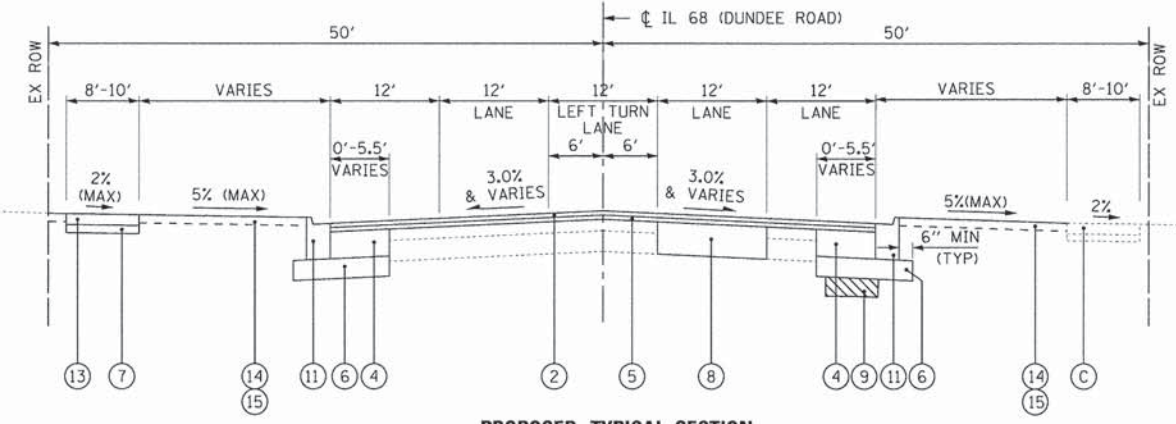
**EXISTING AND PROPOSED TYPICAL SECTION
COMMUNITY BOULEVARD
STA 21+42 TO STA 24+76**

* SEEDING, CLASS 2A TO BE USED IN LIEU OF SOD AT LOCATIONS SHOWN ON PLANS.

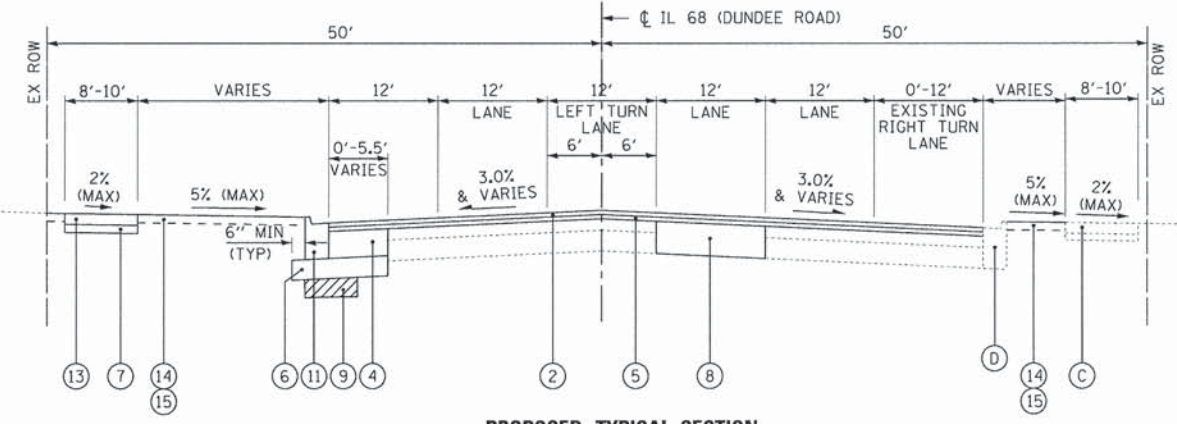


**EXISTING TYPICAL SECTION
IL RTE 68 (DUNDEE ROAD)
STA 208+48 TO STA 221+40**

*** CURB TO REMAIN STA 211+26 TO STA 216+37
**24.5'-42.5' STA 211+26 TO STA 216+37



**PROPOSED TYPICAL SECTION
IL RTE 68 (DUNDEE ROAD)
STA 208+48 TO STA 211+26
STA 216+37 TO STA 221+40**



**PROPOSED TYPICAL SECTION
IL RTE 68 (DUNDEE ROAD)
STA 211+26 TO STA 216+37**

NOTES:

- AGGREGATE SUBGRADE IMPROVEMENT (ASI) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSUITABLE OR UNSTABLE. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH ASI WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.03 AND THE UNDERCUT GUIDELINES IN THE IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS ENCOUNTERED, THE SOIL SHALL BE REMOVED AND REPLACED WITH ASI OR EMBANKMENT AS DETERMINED BY THE ENGINEER. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE THE CONTRACTOR. A QUANTITY OF REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL SHALL ALSO BE DEDUCTED WITH NO ADDITIONAL COMPENSATION DUE THE CONTRACTOR.

EXISTING LEGEND

- (A) HOT-MIX ASPHALT BINDER AND SURFACE COURSE - 5" AND VARIES
- (B) PC CONCRETE PAVEMENT - 9" AND VARIES
- (C) PCC SIDEWALK
- (D) COMBINATION CONCRETE CURB AND GUTTER
- (E) GROUND SURFACE
- (F) PARKING LOT
- (G) CURB AND GUTTER REMOVAL
- (H) SIDEWALK REMOVAL
- (I) PAVEMENT REMOVAL
- (J) HOT-MIX ASPHALT SURFACE REMOVAL, 3"
- (K) FULL DEPTH SAW CUT ALONG EDGE OF PAVEMENT (INCLUDED IN PAVEMENT REMOVAL)
- [] = REMOVAL ITEM

PROPOSED LEGEND

- (1) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 - 2"
- (2) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70 - 2"
- (3) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 - 7"
- (4) HOT-MIX ASPHALT BASE COURSE WIDENING, 11.25"
- (5) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL 4.75, N50 - 1" (AND VARIES)
- (6) AGGREGATE SUBGRADE IMPROVEMENT 12"
- (7) AGGREGATE BASE COURSE TYPE B - 4"
- (8) CLASS D PATCHES, 12 INCH (AT LOCATIONS DETERMINED BY THE ENGINEER)
- (9) REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL AND AGGREGATE SUBGRADE IMPROVEMENT (AT LOCATIONS DETERMINED BY THE ENGINEER)
- (10) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 (MIN FLAG DEPTH = 9")
- (11) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (MIN FLAG DEPTH = 14")
- (12) (RESERVED)
- (13) PORTLAND CEMENT CONCRETE SIDEWALK, 5"
- (14) TOPSOIL FURNISH AND PLACE, 6"
- (15) SODDING, SALT TOLERANT

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS @ Nides
PAVEMENT RESURFACING - ILLINOIS ROUTE 68	
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70 (IL 9.5mm); 2"	4% @ 70 Gyr.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50: 1" & VARIES	3.5% @ 50 Gyr.
PAVEMENT WIDENING - ILLINOIS ROUTE 68	
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N70 (IL 9.5mm); 2"	4% @ 70 Gyr.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50: 1" & VARIES	3.5% @ 50 Gyr.
HMA BASE COURSE (HMA BINDER IL-19 MM); 11-1/4" (IN 3 LIFTS)	4% @ 70 Gyr.
FULL DEPTH PAVEMENT - COMMUNITY BOULEVARD	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, (IL 9.5mm); 2"	4% @ 50 Gyr.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 7" (IN 2 LIFTS)	4% @ 50 Gyr.
DRIVEWAYS	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, (IL 9.5mm); 2"	4% @ 50 Gyr.
HMA BASE COURSE (HMA BINDER IL-19 mm); PE-6", CE - 8" (IN 2 LIFTS)	4% @ 50 Gyr.
PATCHING	
CLASS D PATCHES (HMA BINDER IL-19.0mm)	4% @ 70 Gyr.
HMA REPLACEMENT OVER PATCHES (HMA BINDER IL-19.0mm)	4% @ 70 Gyr.

- NOTES:
 1. THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
 2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS.
 3. FOR HMA FULL DEPTH "AC TYPE" SEE SPECIAL PROVISIONS.
 4. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

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DRAWN - CJC	REVISED -
CHECKED - TLH	REVISED -
DATE - 12-04-15	FILE - 140350SHT-PH2-TypSect.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS AND HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
SCALE: NONE	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	15-00083-00-PV	COOK	60	9
CONTRACT NO. 61C26				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(579)				

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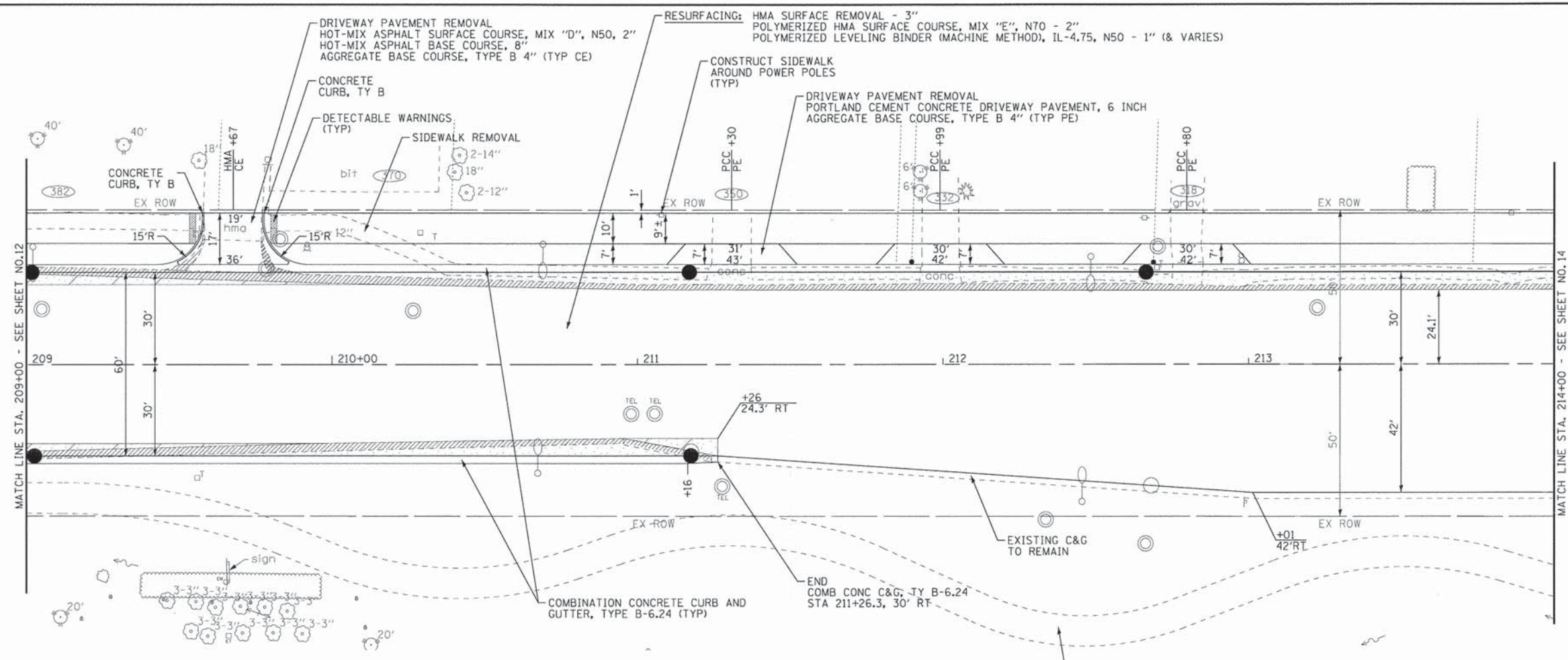
EARTHWORK							
LOCATION	UNDERCUT AND AGGREGATE SUBGRADE IMPROVEMENT (CU YD)	UNSUITABLE EXCAVATION (TOPSOIL) (CU YD)	REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL (CU YD)	EARTH EXCAVATION (CU YD)	EXCAVATION TO BE USED IN EMBANKMENT (15% SHRINKAGE) (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)
IL ROUTE 68 (DUNDEE ROAD)							
205+41 to 206+00	-	23	23	3	3	-	3
206+00 to 207+00	-	39	39	5	5	-	5
207+00 to 208+00	-	19	19	17	15	-	15
208+00 to 209+00	-	29	29	43	37	3	34
209+00 to 210+00	6	61	67	71	61	7	54
210+00 to 211+00	11	76	87	98	84	13	71
211+00 to 212+00	9	43	52	97	83	8	75
212+00 to 213+00	7	20	27	69	59	5	54
213+00 to 214+00	7	43	50	54	46	7	39
214+00 to 214+65	8	28	36	34	29	4	25
215+50 to 216+00	6	27	33	28	24	2	22
216+00 to 217+00	11	54	65	81	69	5	64
217+00 to 218+00	13	63	76	108	92	10	82
218+00 to 219+00	13	70	83	112	96	14	82
219+00 to 220+00	13	54	67	142	121	9	112
220+00 to 221+00	12	53	65	149	127	7	120
221+00 to 221+40	4	27	31	52	45	5	40
SUBTOTAL	120	729	849	1,163	996	99	897
COMMUNITY BOULEVARD							
21+42 to 22+00	42	108	150	202	172	12	160
22+00 to 23+00	59	181	240	214	182	38	144
23+00 to 24+00	53	143	196	42	36	116	(80)
24+00 to 24+76	35	131	166	33	29	52	(23)
24+76 to 25+00	-	11	11	-	-	11	(11)
25+00 to 26+00	-	34	34	-	-	28	(28)
SUBTOTAL	189	608	797	491	419	257	162
TOTAL	309	1,337	1,646	1,654	1,415	356	1,059

BAXTER & WOODMAN Consulting Engineers	DESIGNED - DSH	REVISED -
	DRAWN - CJC	REVISED -
	CHECKED - TLH	REVISED -
	DATE - 12-04-15	FILE - 140350SHT-PH2-Schedule.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EARTHWORK SCHEDULE	
SCALE: NONE	STA. TO STA.

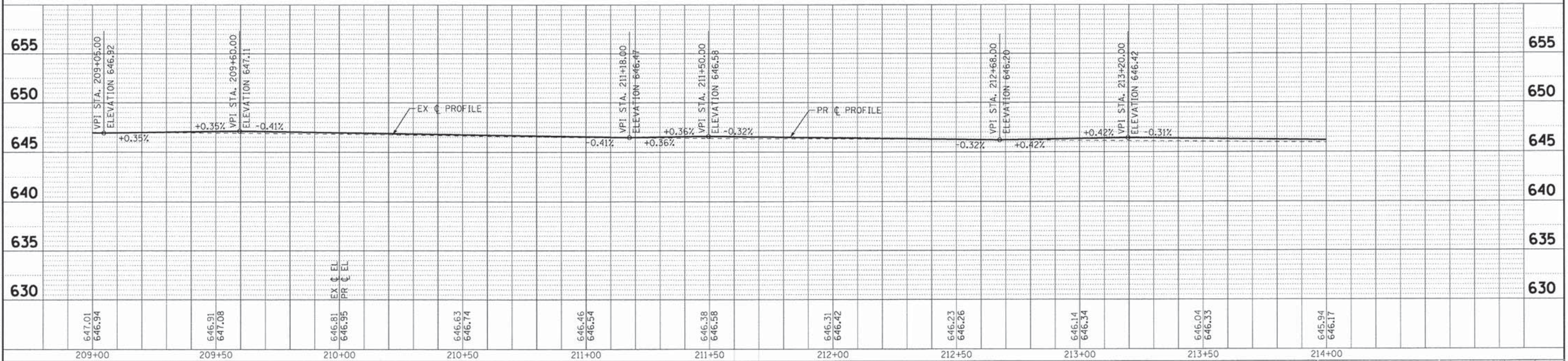
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	15-00083-00-PV	COOK	60	10
CONTRACT NO. 61C26				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-40035791				



IL RTE 68 (DUNDEE ROAD)

LEGEND

	HMA BASE COURSE WIDENING 11 1/4"
	PAVEMENT REMOVAL
	CURB AND COMBINATION CURB & GUTTER REMOVAL

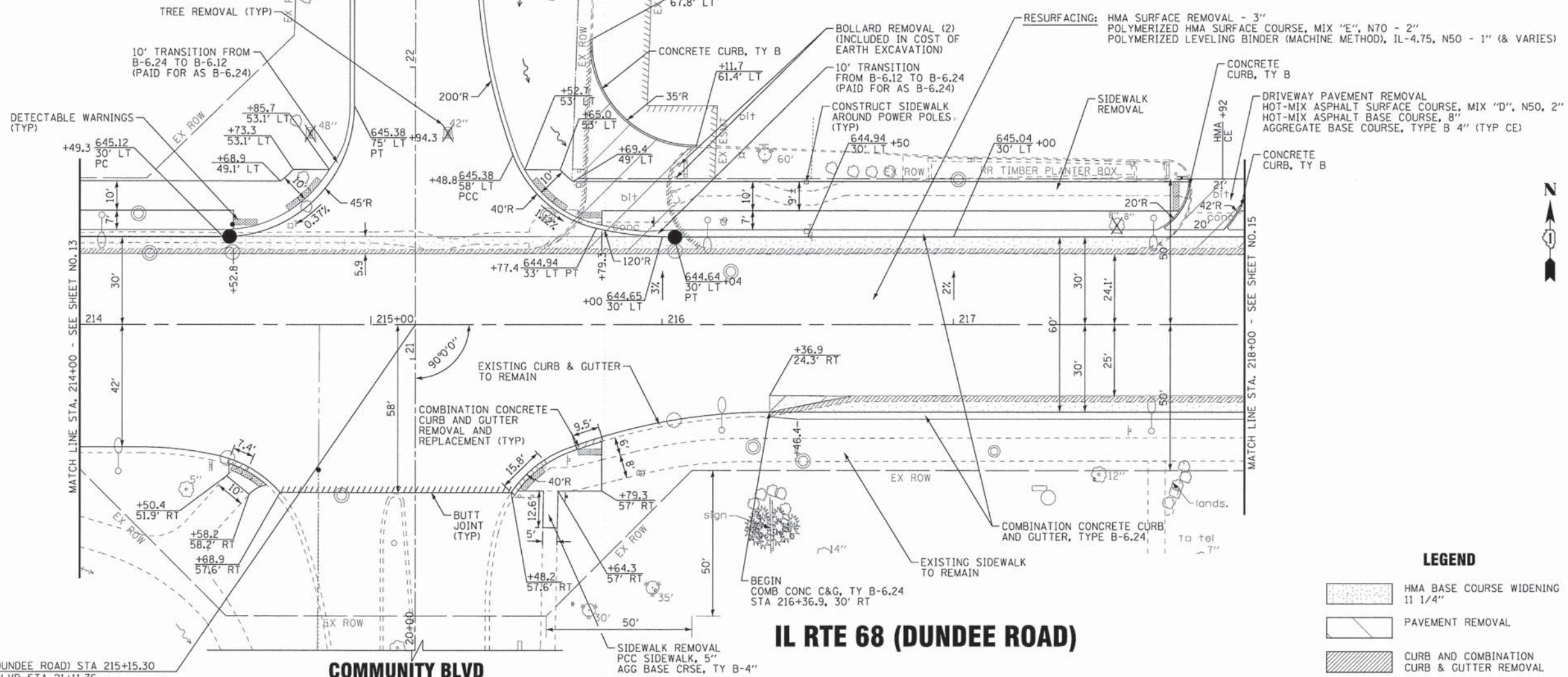


BAXTER & WOODMAN Consulting Engineers		DESIGNED - DSH DRAWN - CJC CHECKED - TLH DATE - 12-04-15	REVISED - REVISED - REVISED - FILE - 140350SHT-PH2-PP2.dgn	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		PLAN AND PROFILE IL RTE 68 (DUNDEE ROAD)		F.A.P. RTE. 343 SECTION 15-00083-00-PV COUNTY COOK TOTAL SHEETS 60 SHEET NO. 13 CONTRACT NO. 61C26
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COMMUNITY BLVD

FOR CONTINUATION - SEE SHEET NO. 16

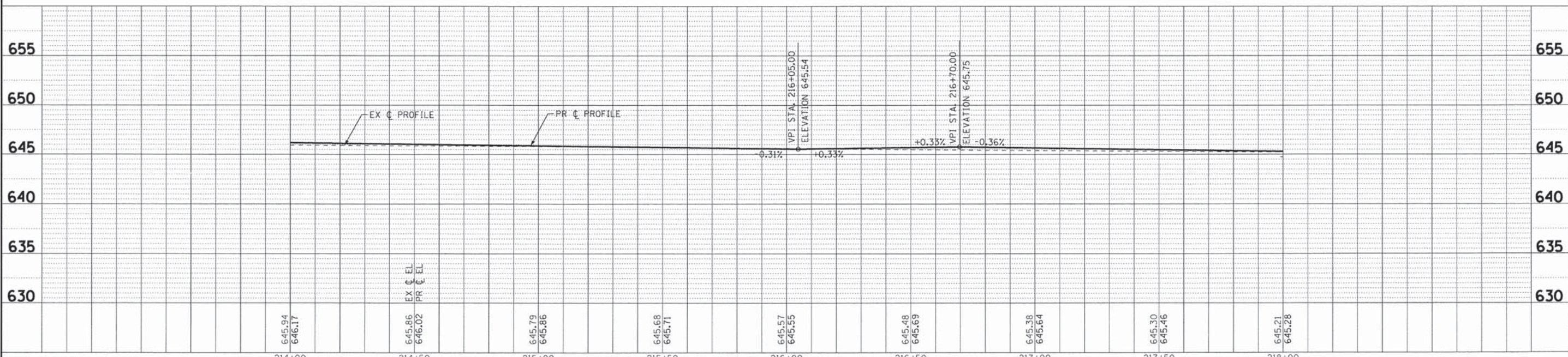


IL RTE 68 (DUNDEE ROAD)

LEGEND

	HMA BASE COURSE WIDENING 1 1/4"
	PAVEMENT REMOVAL
	CURB AND COMBINATION CURB & GUTTER REMOVAL

IL RTE 68 (DUNDEE ROAD) STA 215+15.30
COMMUNITY BLVD STA 21+11.76



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CHECKED - TLH	REVISED -
DATE - 12-04-15	FILE - 140350SHT-PH2-PP3.dgn

214+00	214+50	215+00	215+50	216+00	216+50	217+00	217+50	218+00
645.94 646.17	645.86 646.02	645.79 645.86	645.68 645.71	645.57 645.55	645.48 645.69	645.38 645.64	645.30 645.46	645.21 645.28

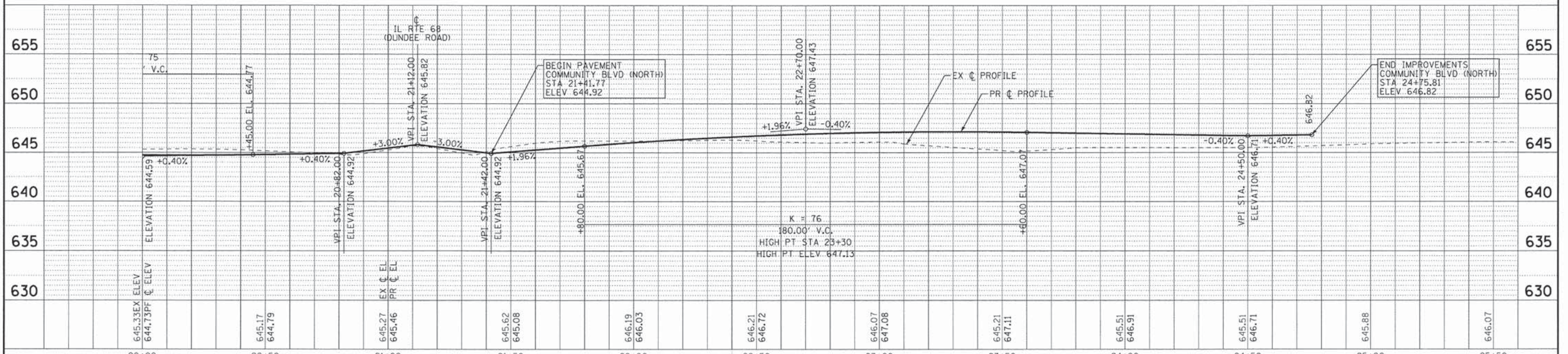
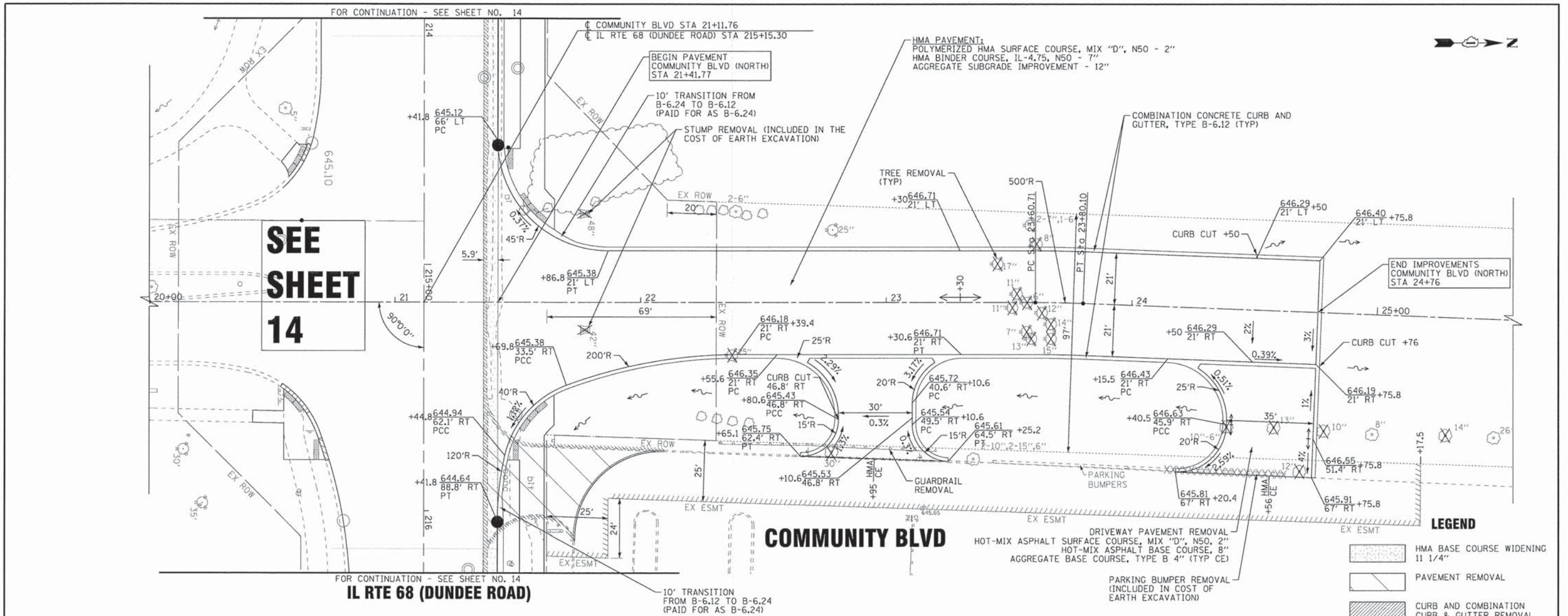
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**PLAN AND PROFILE
IL RTE 68 (DUNDEE ROAD)**

SCALE: H: 1"=20' V: 1"=5'

STA. TO STA.

F.A.P. RTE. 343	SECTION 15-00083-00-PV	COUNTY COOK	TOTAL SHEETS 60	SHEET NO. 14
CONTRACT NO. 61C26				
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT M-40031579				



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CHECKED - TLH	REVISIONS		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND PROFILE
COMMUNITY BLVD

F.A.P. RTE. 343	SECTION 15-00083-00-PV	COUNTY COOK	TOTAL SHEETS 60	SHEET NO. 16
CONTRACT NO. 61C26				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003579				

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TRAFFIC CONTROL NOTES

1. THE CONTRACTOR SHALL MAINTAIN A MINIMUM 48' CLEAR WIDTH ROADWAY FOR 2 - 9.5' THRU LANES EACH DIRECTION AND A 9' LEFT TURN LANE MEDIAN FOR TWO-WAY TRAFFIC FLOW. INGRESS AND EGRESS TO DRIVEWAYS AND SIDE STREETS SHALL BE MAINTAINED.
2. STREETS SHALL ALL BE MAINTAINED AS SHOWN ON THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
3. THE ENGINEER SHALL BE INFORMED 48 HOURS IN ADVANCE OF ANY CHANGE IN CONSTRUCTION STAGING.
4. THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SAND BAGS ON EACH TYPE I OR TYPE II BARRICADE USED.
5. LANE CLOSURES ON ILLINOIS ROUTE 68 (DUNDEE ROAD) WILL ONLY BE PERMITTED BETWEEN THE HOURS OF 9AM AND 3PM. ONE THRU LANE IN EACH DIRECTION AND THE CENTER TURN LANE SHALL REMAIN OPEN AT ALL TIMES DURING THESE HOURS. ALL LANE CLOSURES SHALL BE APPROVED BY THE ENGINEER AND SHALL BE PER APPLICABLE IDOT HIGHWAY STANDARDS.
6. TYPE I BARRICADES AND VERTICAL PANELS SHALL BE EQUIPPED WITH MONO-DIRECTIONAL STEADY BURN LIGHTS AND SHALL BE PLACED AT 50' INTERVALS ALONG THE PROPOSED WORK ZONE AND 25' WITHIN TAPERED SECTIONS OR AS DIRECTED BY THE ENGINEER.
7. ALL TEMPORARY PAVEMENT MARKINGS SHOWING DETERIORATION AFTER 7 DAYS SHALL BE REPLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER. SUFFICIENT QUANTITIES TO RE-STRIPE EACH STAGE 3 TIMES HAVE BEEN PROVIDED. ALL MARKINGS REQUIRING REPLACEMENT AFTER THE SECOND PLACEMENT SHALL BE REPLACED BY THE CONTRACTOR AT HIS OWN EXPENSE.
8. THE FURNISHING, INSTALLING, AND RELOCATION OF ALL TRAFFIC SIGNS SHALL BE INCLUDED IN THE COST FOR TRAFFIC CONTROL AND PROTECTION. ALL CONFLICTING TRAFFIC SIGNS SHALL BE COVERED AS DIRECTED BY THE ENGINEER. THIS SHALL BE INCLUDED IN THE COST FOR TRAFFIC CONTROL AND PROTECTION.
9. THE CONTRACTOR SHALL BE REQUIRED TO REMOVE ALL EXISTING PAVEMENT MARKINGS WHICH CONFLICT WITH THE DESIGNATED TRAFFIC CONTROL PLAN. THIS WORK SHALL BE PAID FOR AS PAVEMENT MARKING REMOVAL.
10. ACCESS TO WHEELING FIRE STATION SHALL BE MAINTAINED AT ALL TIMES. 1/2 OF THE CURB AND GUTTER ADJACENT TO DRIVEWAY PAVEMENT AND DRIVEWAY PAVEMENT SHALL BE CONSTRUCTED AT A TIME. HIGH EARLY STRENGTH CONCRETE SHALL BE USED FOR THE ADJACENT CURB AND GUTTER. THE COST OF THIS WORK SHALL BE INCLUDED IN THE RELATED PAY ITEMS BEING CONSTRUCTED.
11. EMERGENCY VEHICLE ACCESS SHALL BE MAINTAINED AT ALL TIMES. ANY SIGNIFICANT CHANGE IN TRAFFIC CONTROL SHALL HAVE PRIOR APPROVAL BY THE ENGINEER. THE CONTRACTOR SHALL PROVIDE A MINIMUM OF THREE (3) DAYS NOTICE IN ADVANCE OF CONSTRUCTION ACTIVITIES WHICH IMPACT EMERGENCY SERVICES.
12. THE CONTRACTOR SHALL PROVIDE TEMPORARY ACCESS TO DRIVEWAYS AND SIDE ROADS DURING CONSTRUCTION, UTILIZING PAY ITEMS TEMPORARY ACCESS (ROAD) AND TEMPORARY ACCESS (COMMERCIAL ENTRANCE).
13. ALL COMMERCIAL PROPERTIES SHALL BE PROVIDED AT LEAST ONE INGRESS AND ONE EGRESS EITHER ON THE MAINLINE OR A SIDE STREET AT ALL TIMES. THE CONTRACTOR SHALL COORDINATE DRIVEWAY CLOSURES/MODIFICATIONS WITH THE LOCAL BUSINESSES AND THE ENGINEER. COMMERCIAL DRIVEWAYS WHICH CANNOT BE CLOSED, AS DETERMINED BY THE ENGINEER, SHALL BE CONSTRUCTED IN STAGES OR WILL BE CONSTRUCTED WHEN BUSINESSES ARE NOT OPEN USING HIGH EARLY STRENGTH CONCRETE. THE COST OF THIS WORK SHALL BE INCLUDED IN THE RELATED PAY ITEMS BEING CONSTRUCTED.
14. ANY WORK REQUIRING CLOSING OF THE OUTSIDE LANES SHALL BE DONE ON ONE SIDE OF THE ROAD AT A TIME TO MINIMIZE CONGESTION. WORK MAY BE SWITCHED FROM ONE SIDE OF THE ROAD TO THE OTHER DURING THE COURSE OF A DAY; HOWEVER, THE LANES ON FIRST SIDE MUST BE REOPENED BEFORE CLOSING LANES ON THE OTHER SIDE.
15. PRIOR TO OPENING THE NORTH LEG OF COMMUNITY BOULEVARD, A TEMPORARY STOP SIGN AND TEMPORARY STOP BAR SHALL BE INSTALLED AT A LOCATION APPROVED BY THE ENGINEER TO PROVIDE STOP CONTROL UNTIL THE TRAFFIC SIGNALS ARE ACTIVATED. THE COSTS RELATED TO THE TEMPORARY STOP SIGN SHALL BE INCLUDED IN THE COST OF THE VARIOUS TRAFFIC CONTROL AND PROTECTION PAY ITEMS.
16. A QUANTITY OF 10 CAL MO OF CHANGEABLE MESSAGE SIGN HAS BEEN INCLUDED FOR USE AS DIRECTED BY THE ENGINEER. SEE TRAFFIC SIGNAL PLANS FOR REQUIRED USE OF CHANGEABLE MESSAGE SIGNS NECESSARY FOR TRAFFIC SIGNAL ACTIVATION. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR MULTIPLE DEPLOYMENTS, MOVEMENT OR SETUPS OF THE CHANGEABLE MESSAGE SIGNS.
17. TEMPORARY PAINT PAVEMENT MARKINGS SHALL NOT BE APPLIED TO THE FINAL WEARING SURFACE UNLESS AUTHORIZED BY THE ENGINEER.

CONSTRUCTION STAGING

PRIOR TO STAGE 1

1. ESTABLISH TRAFFIC CONTROL AND EROSION CONTROL MEASURES, MAINTAIN EXISTING LANE WIDTHS AND PAVEMENT MARKING ON ILLINOIS ROUTE 68 (DUNDEE ROAD).

STAGE 1

1. COMPLETE GRADING, CURB AND GUTTER, AND PAVEMENT (THRU BINDER) FOR THE NORTH LEG OF COMMUNITY BOULEVARD. CONSTRUCT ALL DRIVEWAY ACCESS FOR THE WHEELING POST OFFICE ON THE LEG OF COMMUNITY BOULEVARD. THIS MUST BE COMPLETED PRIOR TO ANY ROADWAY WORK ON ILLINOIS ROUTE 68 (DUNDEE ROAD).

PRIOR TO STAGE 2

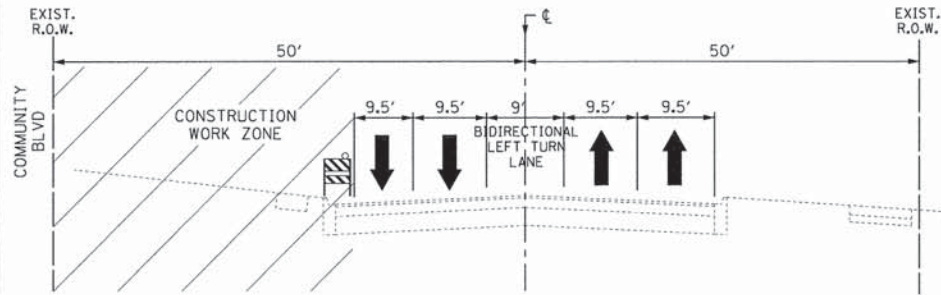
1. REMOVE WHEELING POST OFFICE DRIVEWAY ON NORTH SIDE OF ILLINOIS ROUTE 68 (DUNDEE ROAD).
2. MAINTAIN TWO-WAY TRAFFIC FLOW ALONG ILLINOIS ROUTE 68 (DUNDEE ROAD). A MINIMUM OF 2-9.5' THRU LANES AND A 9' LEFT TURN LANE IN EACH DIRECTION SHALL BE MAINTAINED THROUGHOUT THE ENTIRE LENGTH.

STAGE 2

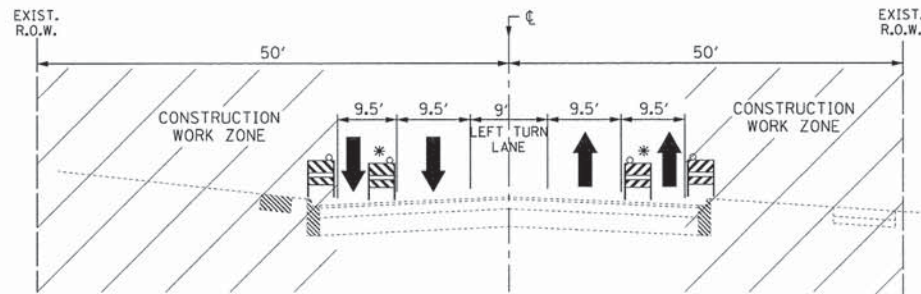
1. CONSTRUCT UTILITIES ON ILLINOIS ROUTE 68 (DUNDEE ROAD).
2. REMOVE CURB AND GUTTER ON ILLINOIS ROUTE 68 (DUNDEE ROAD), CONSTRUCTION PAVEMENT WIDENING, CURB AND GUTTER AND SIDEWALK ON ILLINOIS ROUTE 68 (DUNDEE ROAD), WORKING ON ONE SIDE OF THE ROAD AT A TIME.
3. PLACE TOPSOIL AND TEMPORARY SEEDING ON ILLINOIS ROUTE 68 (DUNDEE ROAD). PLACE TOPSOIL AND SOD ON NORTH LEG OF COMMUNITY BOULEVARD.

STAGE 3

1. COMPLETE HMA SURFACE REMOVAL, FINAL HOT-MIX ASPHALT SURFACE, PAVEMENT MARKINGS.
2. COMPLETE TRAFFIC SIGNALS AND TRAFFIC SIGNAL INTERCONNECT.
3. PLACE SODDING ON ILLINOIS ROUTE 68 (DUNDEE ROAD) AND NORTH LEG COMMUNITY BOULEVARD. COMPLETE PUNCHLIST ITEMS.

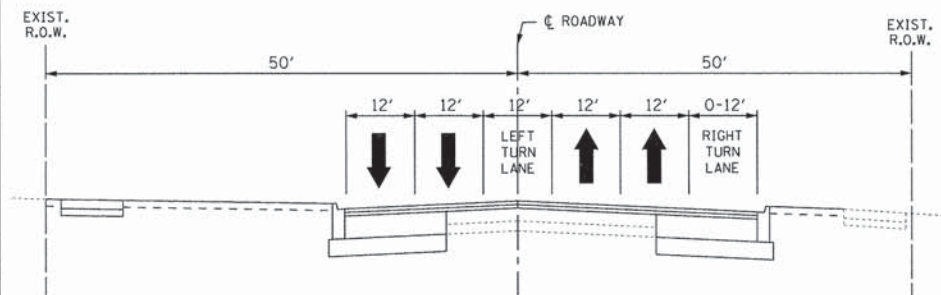


**STAGE I TYPICAL SECTION
IL RTE 68 (DUNDEE ROAD)**
NOT TO SCALE



**STAGE II TYPICAL SECTION
IL RTE 68 (DUNDEE ROAD)**
NOT TO SCALE

* DAY TIME LANE CLOSURES ONLY PERMITTED BETWEEN 9AM AND 3 PM



**STAGE III TYPICAL SECTION
IL RTE 68 (DUNDEE ROAD)**
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	CHECKED - TLH	REVISED -
	DATE - 12-04-15	FILE - 140350SHT-PH2-M0T-Gntes.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC AND
CONSTRUCTION STAGING NOTES**

SCALE:

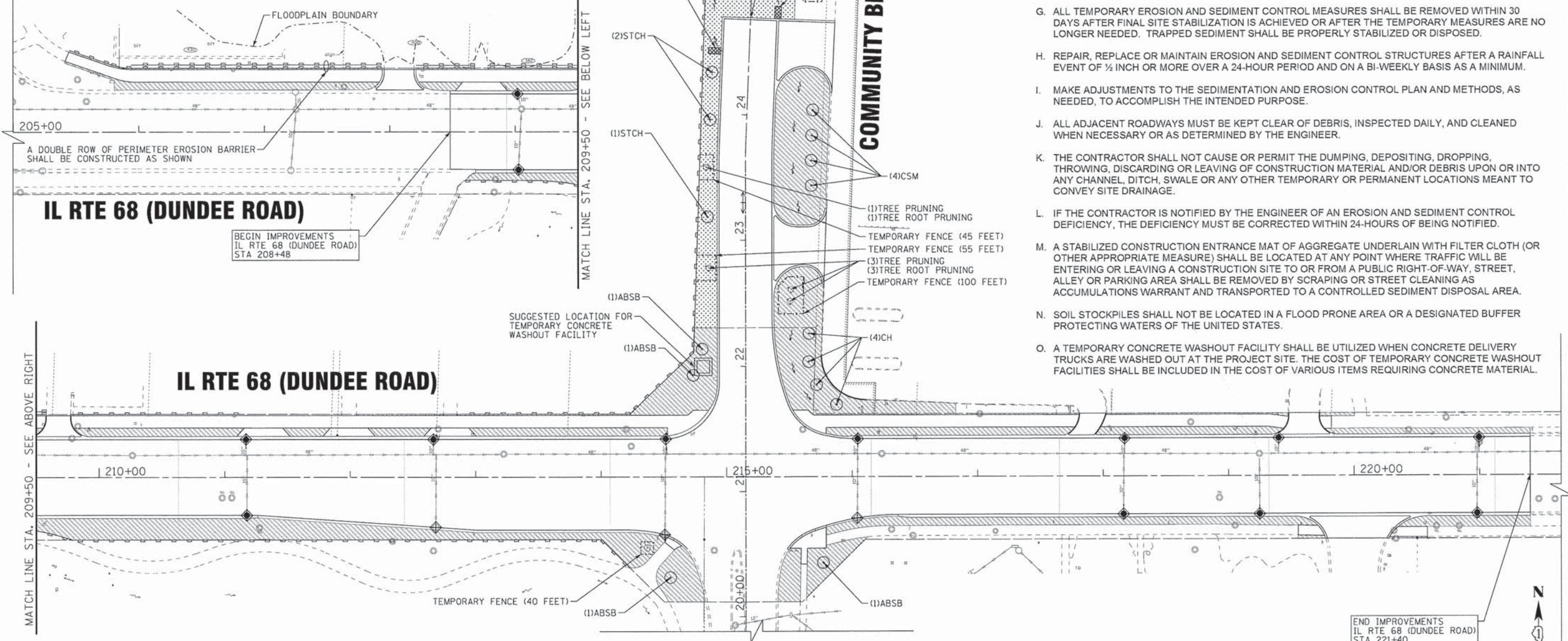
STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	15-00083-00-PV	COOK	60	17
CONTRACT NO. 61C26				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-400315791				

LEGEND	
	PERIMETER EROSION BARRIER
	INLET FILTERS
	TURF REINFORCEMENT MAT
	TOPSOIL FURNISH AND PLACE, 6" SEEDING, CLASS 2A
	TOPSOIL FURNISH AND PLACE, 6" SODDING, SALT TOLERANT
	TREE

TREE LABELING KEY	
CSM	TREE, ACER SACCHARINUM MORTON (CRESCENDO SUGAR MAPLE), 2" CALIPER, BALLED AND BURLAPPED
CH	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 2" CALIPER, BALLED AND BURLAPPED
STCH	TREE, GLEDITSIA TRIACANTHOS INERMIS SHADEMASTER (SHADEMASTER THORNLESS COMMON HONEYLOCUST), 2-1/2" CALIPER, BALLED AND BURLAPPED
ABSB	TREE, AMELANCHIER X GRANDIFLORA AUTUMN BRILLIANCE (AUTUMN BRILLIANCE SERVICE BERRY), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED

- NOTES:
1. THE CONTRACTOR SHALL PROVIDE SPADE EDGES FOR ALL SODDED AREA ABUTTING EXISTING TREES BY MAINTAINING A MINIMUM 5 FOOT DIAMETER MULCH BED AROUND EACH TREE. THE COST OF MULCH BEDS SHALL BE INCLUDED IN THE COST OF SODDING, SALT TOLERANT.
 2. THE CONTRACTOR SHALL COORDINATE TREE LOCATIONS WITH THE ENGINEER. NO PLANTING SHALL OCCUR UNTIL THE ENGINEER HAS APPROVED THE LOCATIONS.
 3. THE CONTRACTOR SHALL COORDINATE TREE PRUNING AND TREE ROOT PRUNING LOCATIONS WITH THE ENGINEER. NO TREE PRUNING OR TREE ROOT PRUNING SHALL OCCUR UNTIL THE ENGINEER HAS APPROVED THE LOCATIONS.



- SOIL EROSION AND SEDIMENT CONTROL NOTES**
- ALL AREAS LOCATED DOWNSTREAM FROM DISTURBED AREAS OF CONSTRUCTION SHALL BE PROTECTED FROM POTENTIAL INCREASE OF EROSION AND SEDIMENTATION RESULTING FROM UPSTREAM ACTIVITIES.
 - SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. AREAS OF CONSTRUCTION SITE THAT ARE NOT TO BE GRADED SHALL BE PROTECTED FROM CONSTRUCTION TRAFFIC OR OTHER DISTURBANCE UNTIL FINAL SODDING IS PERFORMED.
 - SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED AND FUNCTIONAL PRIOR TO THE START OF DISTURBANCE.
 - STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICAL IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED; BUT IN NO CASE SHALL THESE MEASURES BE INSTALLED MORE THAN 7 DAYS AFTER THE CONSTRUCTION IN THIS AREA TEMPORARILY OR PERMANENTLY CEASES.
 - ALL STORM SEWER STRUCTURES THAT RECEIVE RUNOFF DURING CONSTRUCTION SHALL INCLUDE INLET PROTECTION FILTERS TO PREVENT DEBRIS AND EXCESSIVE SEDIMENT FROM ENTERING THE STORM SEWER SYSTEM. THESE PROTECTIVE MEASURES SHALL BE PROPERLY INSTALLED, MAINTAINED, AND REMOVED IN THEIR ENTIRETY AFTER THE AREA TRIBUTARY TO THE STORM STRUCTURE IS STABILIZED.
 - DISCHARGES FROM DEWATERING OPERATIONS SHALL ENTER OR BE ROUTED TO A SEDIMENT AND EROSION CONTROL SYSTEM OR DEVICE.
 - ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED. TRAPPED SEDIMENT SHALL BE PROPERLY STABILIZED OR DISPOSED.
 - REPAIR, REPLACE OR MAINTAIN EROSION AND SEDIMENT CONTROL STRUCTURES AFTER A RAINFALL EVENT OF 1/2 INCH OR MORE OVER A 24-HOUR PERIOD AND ON A BI-WEEKLY BASIS AS A MINIMUM.
 - MAKE ADJUSTMENTS TO THE SEDIMENTATION AND EROSION CONTROL PLAN AND METHODS, AS NEEDED, TO ACCOMPLISH THE INTENDED PURPOSE.
 - ALL ADJACENT ROADWAYS MUST BE KEPT CLEAR OF DEBRIS, INSPECTED DAILY, AND CLEANED WHEN NECESSARY OR AS DETERMINED BY THE ENGINEER.
 - THE CONTRACTOR SHALL NOT CAUSE OR PERMIT THE DUMPING, DEPOSITING, DROPPING, THROWING, DISCARDING OR LEAVING OF CONSTRUCTION MATERIAL AND/OR DEBRIS UPON OR INTO ANY CHANNEL, DITCH, SWALE OR ANY OTHER TEMPORARY OR PERMANENT LOCATIONS MEANT TO CONVEY SITE DRAINAGE.
 - IF THE CONTRACTOR IS NOTIFIED BY THE ENGINEER OF AN EROSION AND SEDIMENT CONTROL DEFICIENCY, THE DEFICIENCY MUST BE CORRECTED WITHIN 24-HOURS OF BEING NOTIFIED.
 - A STABILIZED CONSTRUCTION ENTRANCE MAT OF AGGREGATE UNDERLAIN WITH FILTER CLOTH (OR OTHER APPROPRIATE MEASURE) SHALL BE LOCATED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE TO OR FROM A PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.
 - SOIL STOCKPILES SHALL NOT BE LOCATED IN A FLOOD PRONE AREA OR A DESIGNATED BUFFER PROTECTING WATERS OF THE UNITED STATES.
 - A TEMPORARY CONCRETE WASHOUT FACILITY SHALL BE UTILIZED WHEN CONCRETE DELIVERY TRUCKS ARE WASHED OUT AT THE PROJECT SITE. THE COST OF TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE INCLUDED IN THE COST OF VARIOUS ITEMS REQUIRING CONCRETE MATERIAL.

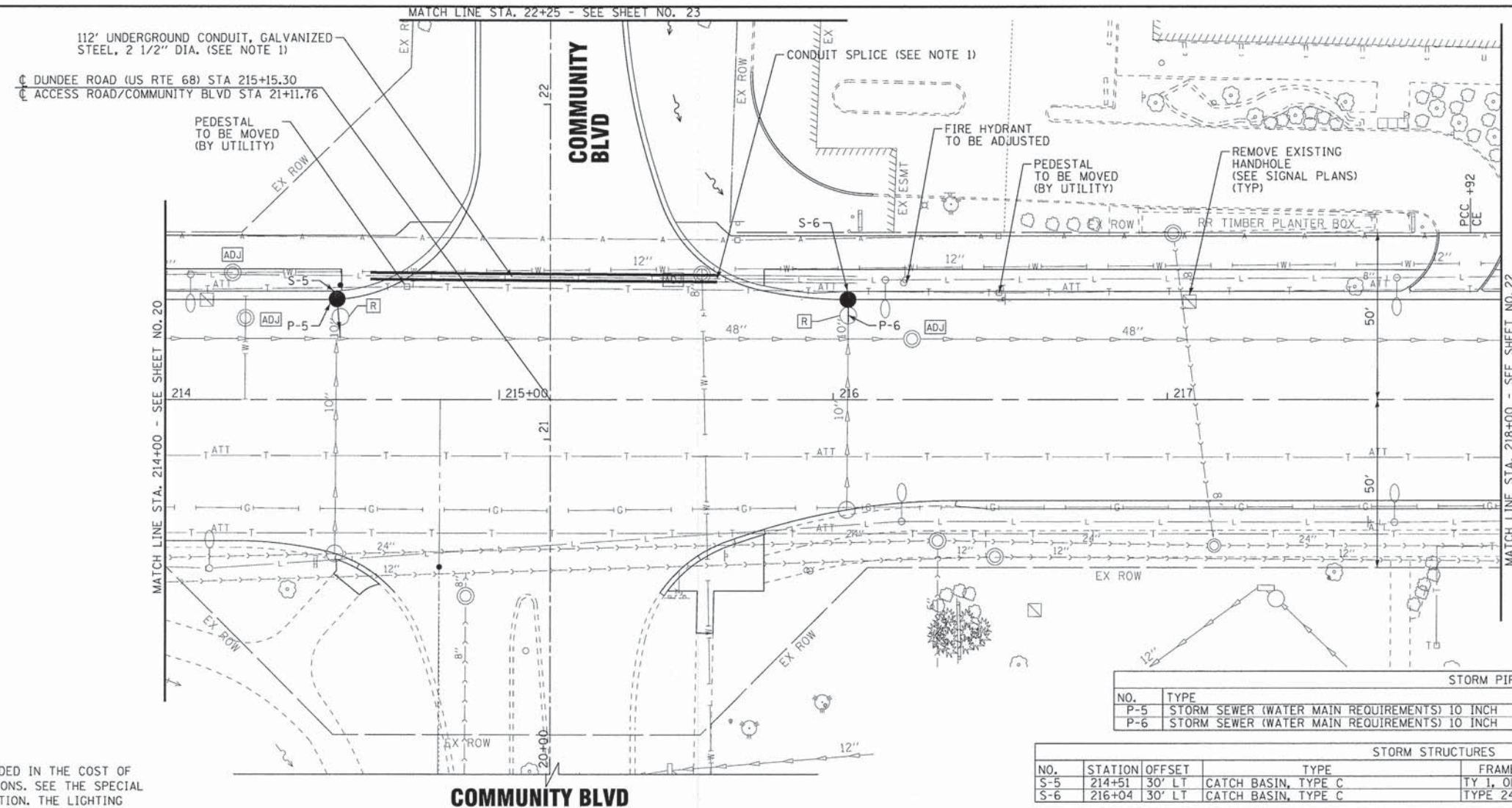
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	CHECKED - TLH	REVISED -
	DATE - 12-04-15	FILE - 140350SHT-PH2-EROS1.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING AND EROSION CONTROL PLAN	
SCALE: 1"=40'	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	15-00083-00-PV	COOK	60	18
				CONTRACT NO. 61C26
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003579				



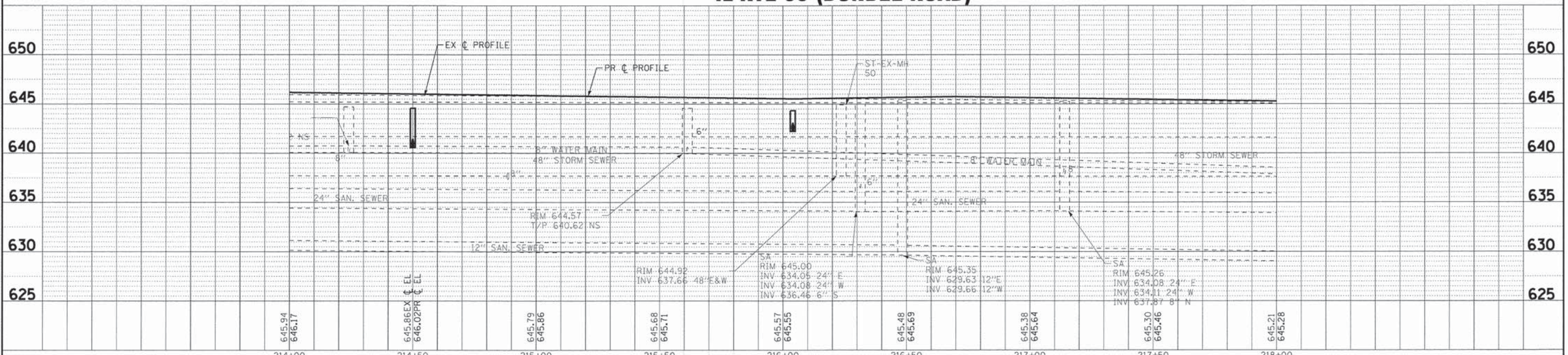
NOTES:

1. THIS WORK SHALL BE INCLUDED IN THE COST OF ROADWAY LIGHTING MODIFICATIONS. SEE THE SPECIAL PROVISION FOR MORE INFORMATION. THE LIGHTING CONTROLLER CABINET IS SHOWN ON SHEET 19.

STORM PIPES					
NO.	TYPE	LENGTH (LF)	DIA (IN)	SLOPE	TBF (CY)
P-5	STORM SEWER (WATER MAIN REQUIREMENTS) 10 INCH	12	10	1.00%	4.0
P-6	STORM SEWER (WATER MAIN REQUIREMENTS) 10 INCH	23	10	1.00%	3.3

STORM STRUCTURES						
NO.	STATION	OFFSET	TYPE	FRAME	RIM / EP	INVERT
S-5	214+51	30' LT	CATCH BASIN, TYPE C	TY 1, OL	645.12 EP	641.48 10" S
S-6	216+04	30' LT	CATCH BASIN, TYPE C	TYPE 24	644.33 EP	642.06 10" S

IL RTE 68 (DUNDEE ROAD)



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DRAWN - CJC	REVISED -
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DATE - 12-04-15	FILE - 140350SHT-PH2-DU3.dgn

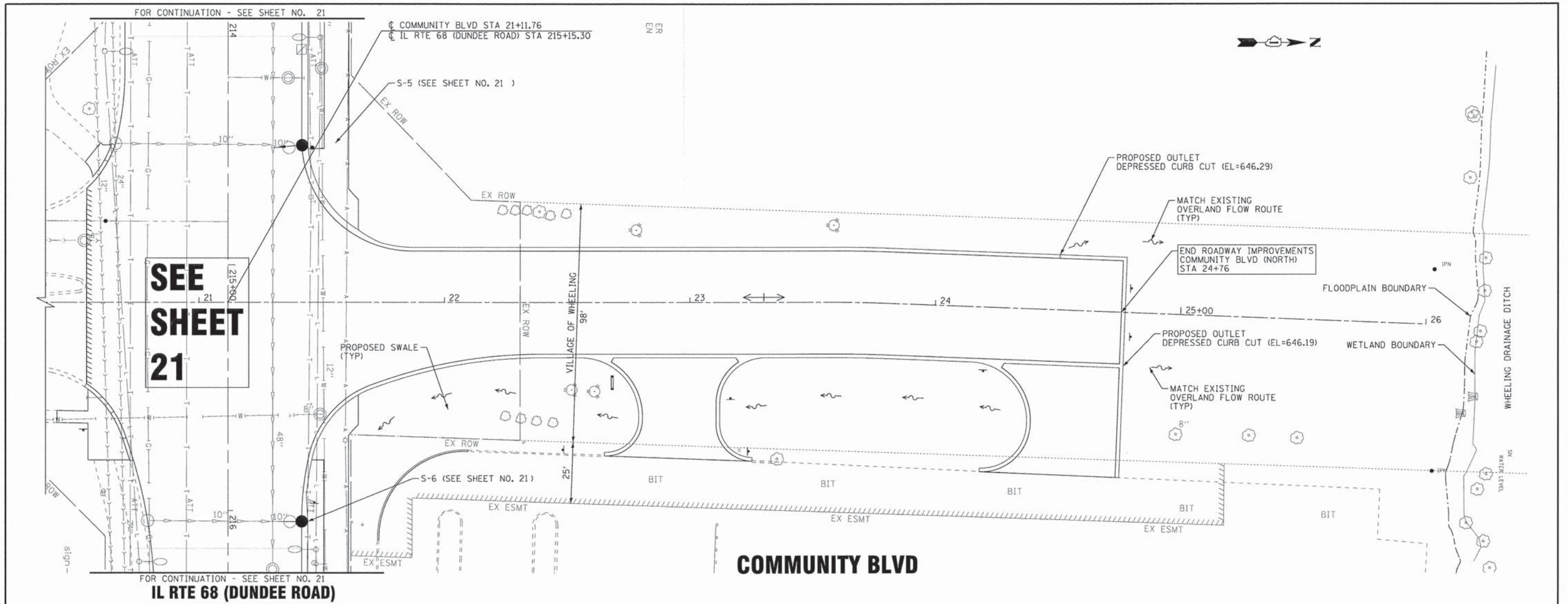
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**DRAINAGE AND UTILITIES
IL RTE 68 (DUNDEE ROAD)**

SCALE: H: 1"=20' V: 1"=5'
STA. 214+00 TO STA. 218+00

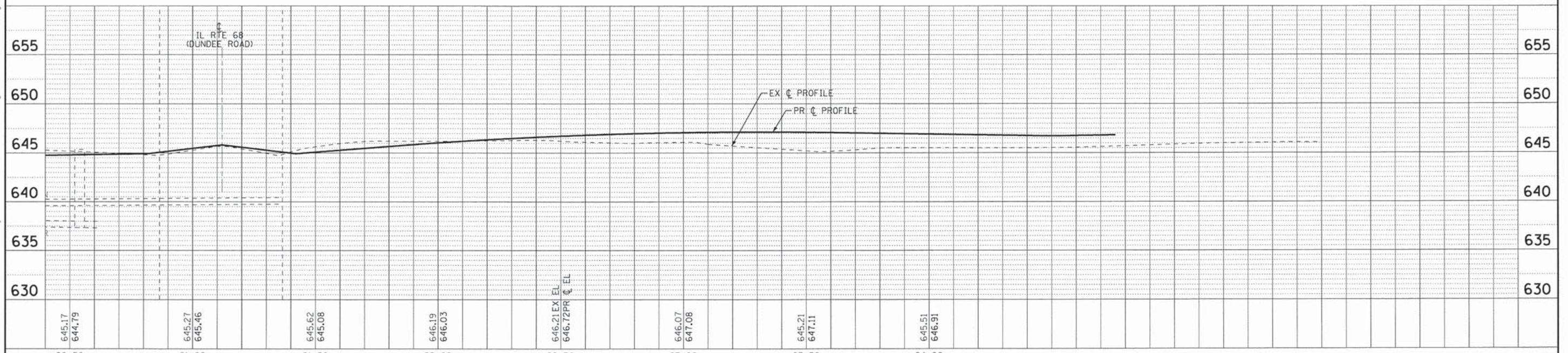
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	15-00083-00-PV	COOK	60	21
CONTRACT NO. 61C26				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-40035791				

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SEE SHEET 21

COMMUNITY BLVD



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20+50	21+00	21+50	22+00	22+50	23+00	23+50	24+00

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**DRAINAGE AND UTILITIES
COMMUNITY BLVD**





SCALE: H: 1"=20' V: 1"=5'
STA. 20+00 TO STA. 24+00

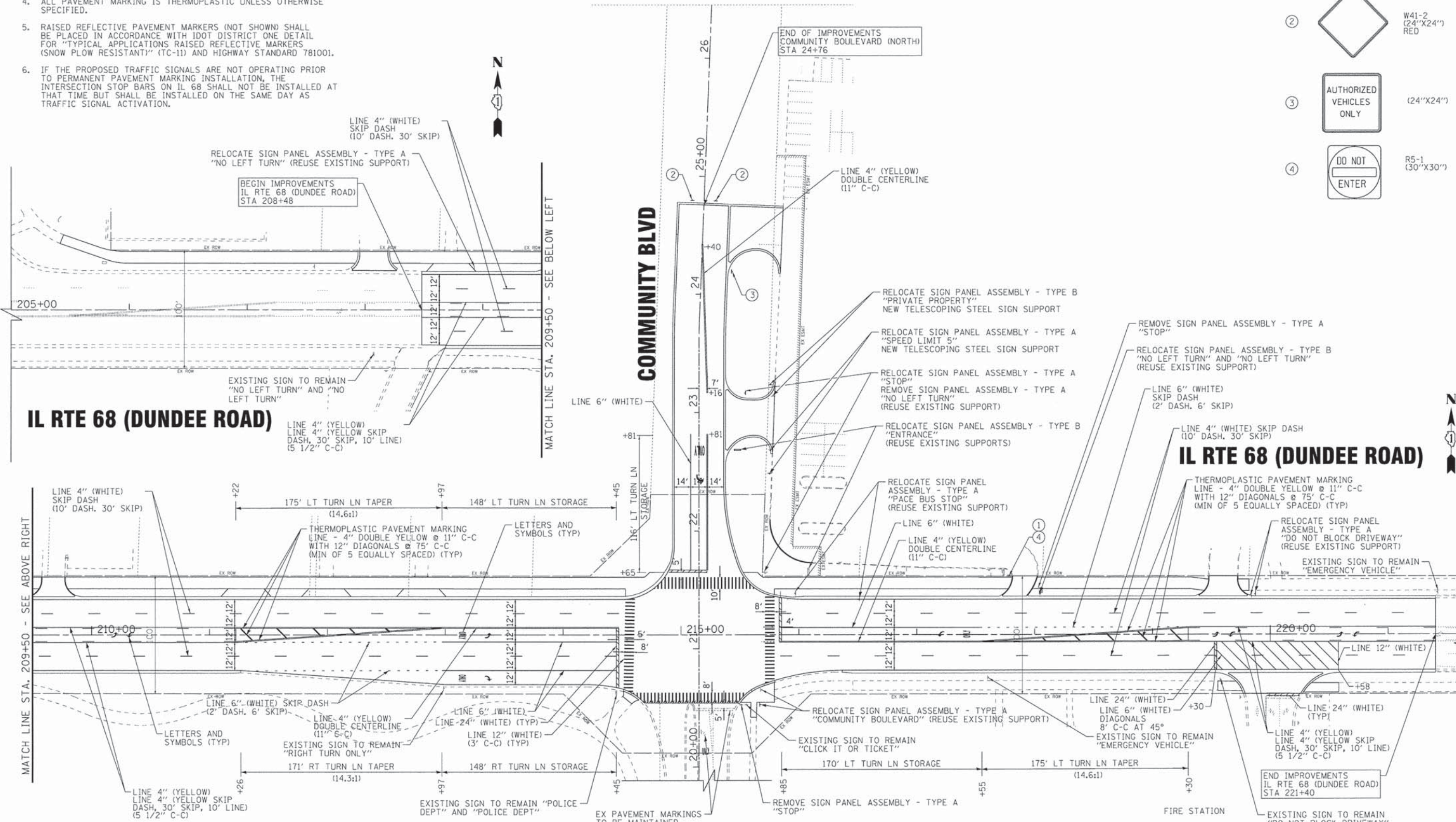
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CONTRACT NO. 61C26				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-400315791				

PAVEMENT MARKING GENERAL NOTES

1. ALL PAVEMENT WIDTHS ARE FROM THE EDGE OF PAVEMENT.
2. NO PAVEMENT MARKINGS SHALL BE PLACED ON GUTTER FLAGS.
3. ANY EXISTING PAVEMENT MARKINGS WHICH INTERFERE WITH THIS PAVEMENT MARKING PLAN SHALL BE REMOVED BY THE CONTRACTOR AT THE DIRECTION OF THE ENGINEER.
4. ALL PAVEMENT MARKING IS THERMOPLASTIC UNLESS OTHERWISE SPECIFIED.
5. RAISED REFLECTIVE PAVEMENT MARKERS (NOT SHOWN) SHALL BE PLACED IN ACCORDANCE WITH IDOT DISTRICT ONE DETAIL FOR "TYPICAL APPLICATIONS RAISED REFLECTIVE MARKERS (SNOW PLOW RESISTANT)" (TC-11) AND HIGHWAY STANDARD 781001.
6. IF THE PROPOSED TRAFFIC SIGNALS ARE NOT OPERATING PRIOR TO PERMANENT PAVEMENT MARKING INSTALLATION, THE INTERSECTION STOP BARS ON IL 68 SHALL NOT BE INSTALLED AT THAT TIME BUT SHALL BE INSTALLED ON THE SAME DAY AS TRAFFIC SIGNAL ACTIVATION.

SIGNS

- ①  R1-1 (30" X 30")
- ②  W41-2 (24"X24") RED
- ③  (24"X24")
- ④  R5-1 (30"X30")



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DATE - 12-04-15	FILE - 140350SHT-PH2-PMK1.dgn

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND SIGNAGE PLAN

SCALE: 1"=40' STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	15-00083-00-PV	COOK	60	24
				CONTRACT NO. 61C26
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003579				

TRAFFIC SIGNAL LEGEND

ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED
CONTROLLER CABINET				EMERGENCY VEHICLE LIGHT DETECTOR				ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1/C, UNLESS NOTED OTHERWISE			
RAILROAD CONTROL CABINET				CONFIRMATION BEACON				COAXIAL CABLE			
COMMUNICATIONS CABINET				HANDHOLE				VENDOR CABLE FOR CAMERA			
MASTER CONTROLLER				HEAVY DUTY HANDHOLE				COPPER INTERCONNECT CABLE, NO. 18 3 PAIR TWISTED, SHIELDED			
MASTER MASTER CONTROLLER				DOUBLE HANDHOLE				FIBER OPTIC CABLE NO. 62.5/125, MM12F			
UNINTERRUPTABLE POWER SUPPLY				JUNCTION BOX				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM12F			
SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT				UNDERGROUND CONDUIT, GALVANIZED STEEL (UC)				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM24F			
TELEPHONE CONNECTION (P) POLE OR (G) GROUND MOUNT				TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM24F			
STEEL MAST ARM ASSEMBLY AND POLE				COMMON TRENCH				GROUND ROD AT (C) CONTROLLER, (H) HANDHOLE, (P) POST, (M) MAST ARM, OR (S) SERVICE			
ALUMINUM MAST ARM ASSEMBLY AND POLE				COILABLE NONMETALLIC CONDUIT (EMPTY)				CONTROLLER CABINET AND FOUNDATION TO BE REMOVED			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE				SYSTEM ITEM				STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH PTZ CAMERA				INTERSECTION ITEM				ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED			
SIGNAL POST				REMOVE ITEM				STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE AND FOUNDATION TO BE REMOVED			
TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MINIMUM				RELOCATE ITEM				SIGNAL POST AND FOUNDATION TO BE REMOVED			
GUY WIRE				ABANDON ITEM				INTERSECTION & SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD				12" (300mm) TRAFFIC SIGNAL SECTION				SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD CONSTRUCTION STAGES (NUMBERS INDICATE THE CONSTRUCTION STAGE)				12" (300mm) RED WITH 8" (200mm) YELLOW AND GREEN TRAFFIC SIGNAL FACE				QUEUE DETECTOR			
SIGNAL HEAD WITH BACKPLATE				SIGNAL FACE				PREFORMED QUEUE DETECTOR			
SIGNAL HEAD OPTICALLY PROGRAMMED				SIGNAL FACE WITH BACKPLATE, "P" INDICATES PROGRAMMED HEAD				PREFORMED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR			
FLASHER INSTALLATION (S DENOTES SOLAR POWER)				"RB" INDICATES REFLECTIVE BACKPLATE				PREFORMED SAMPLING (SYSTEM) DETECTOR			
PEDESTRIAN SIGNAL HEAD				12" (300mm) PEDESTRIAN SIGNAL HEAD WALK/DON'T WALK SYMBOL				RAILROAD SYMBOLS			
PEDESTRIAN PUSHBUTTON DETECTOR				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, OUTLINED				RAILROAD CONTROL CABINET			
ACCESSIBLE PEDESTRIAN PUSHBUTTON DETECTOR				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, SOLID				RAILROAD CANTILEVER MAST ARM			
ILLUMINATED SIGN "NO LEFT TURN"				PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOL, WITH COUNTDOWN TIMER				FLASHING SIGNAL			
ILLUMINATED SIGN "NO RIGHT TURN"				RADIO INTERCONNECT				CROSSING GATE			
DETECTOR LOOP, TYPE I				RADIO REPEATER				CROSSBUCK			
PREFORMED DETECTOR LOOP				DENOTES NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE, ALL DETECTOR LOOP CABLE TO BE SHIELDED							
MICROWAVE VEHICLE SENSOR				GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)							
VIDEO DETECTION CAMERA											
VIDEO DETECTION ZONE											
PAN, TILT, ZOOM CAMERA											
WIRELESS DETECTOR SENSOR											
WIRELESS ACCESS POINT											

TS SHT NO. 1
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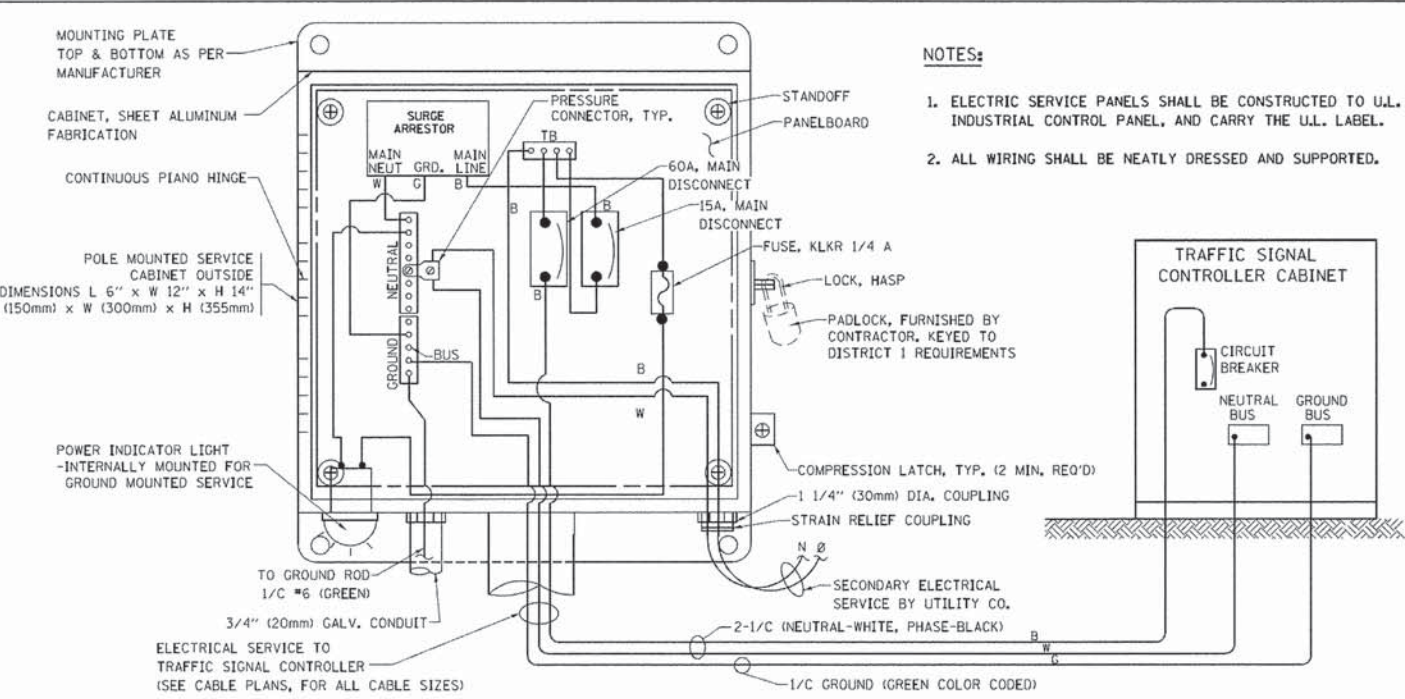
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

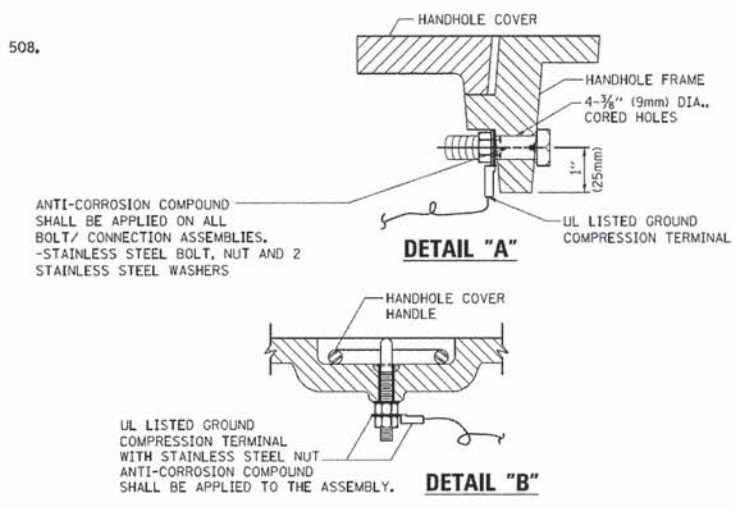
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: NONE SHEET NO. 1 OF 7 SHEETS STA. TO STA.

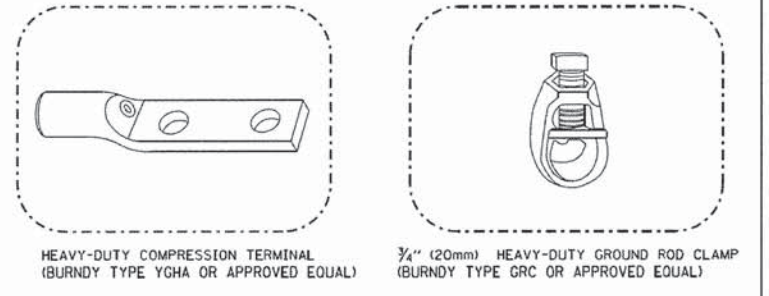
F.A.P. RTE. 343	SECTION 15-00083-00-PV	COUNTY COOK	TOTAL SHEETS 60	SHEET NO. 25
TS-05		CONTRACT NO. 61C26		
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT M-4003(579)				



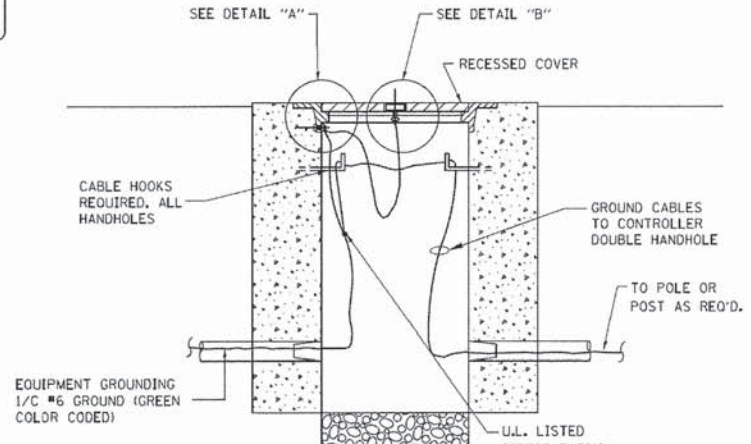
ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
 (NOT TO SCALE)



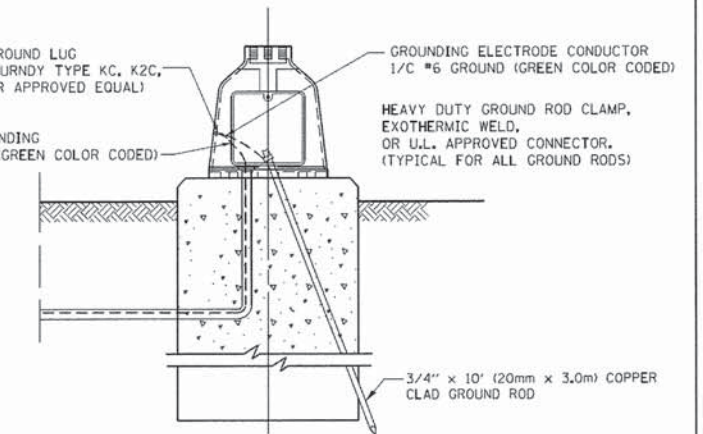
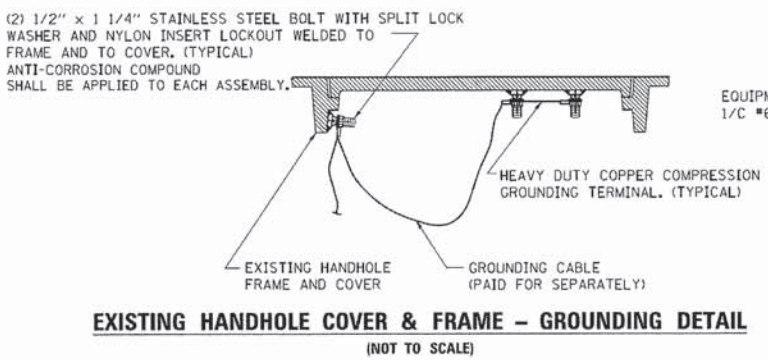
- NOTES:**
- GROUNDING SYSTEM**
1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED 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.



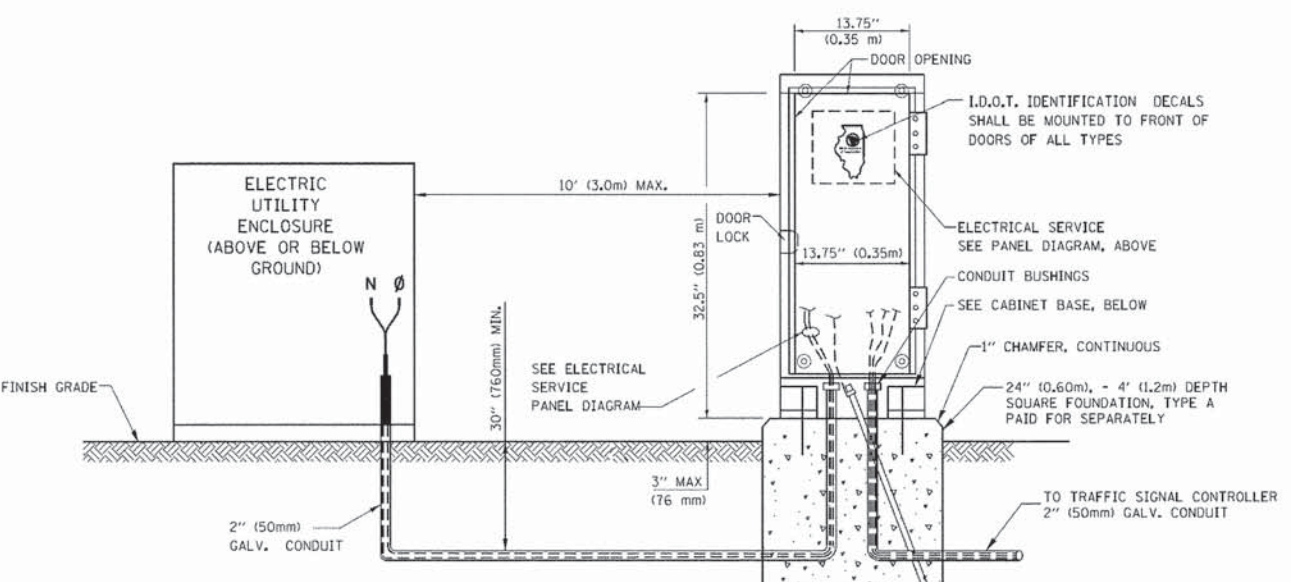
- NOTES:**
- ALL CLAMPS SHALL BE BRONZE OR COPPER, U.L. APPROVED.
 - GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES. 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES. 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



HANDHOLE COVER & FRAME – GROUNDING DETAIL
 (NOT TO SCALE)

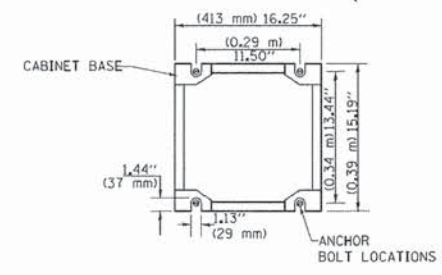


MAST ARM POLE / POST-GROUNDING DETAIL
 (NOT TO SCALE)



SERVICE INSTALLATION GROUND MOUNT
 (NOT TO SCALE)

CABINET – BASE BOLT PATTERN
 (NOT TO SCALE)

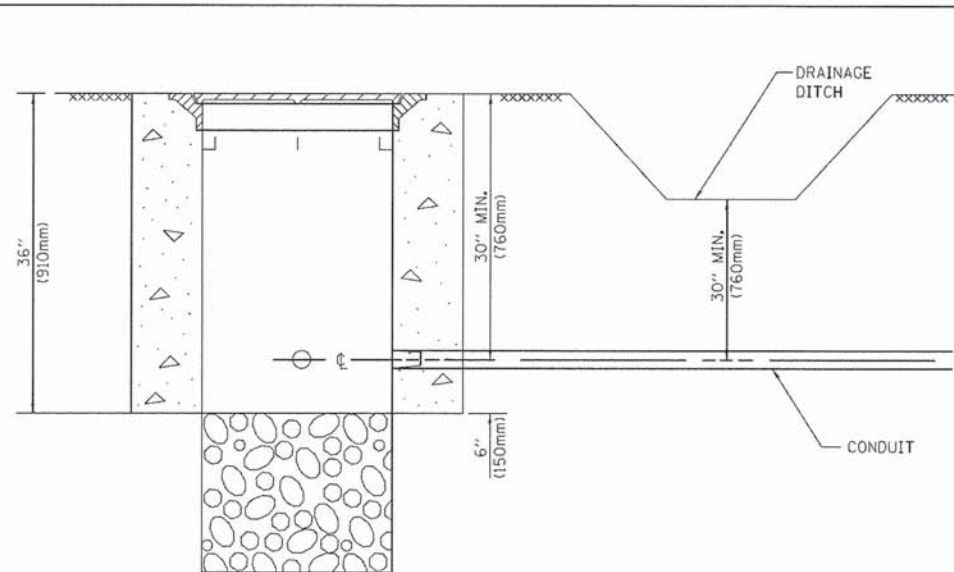


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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

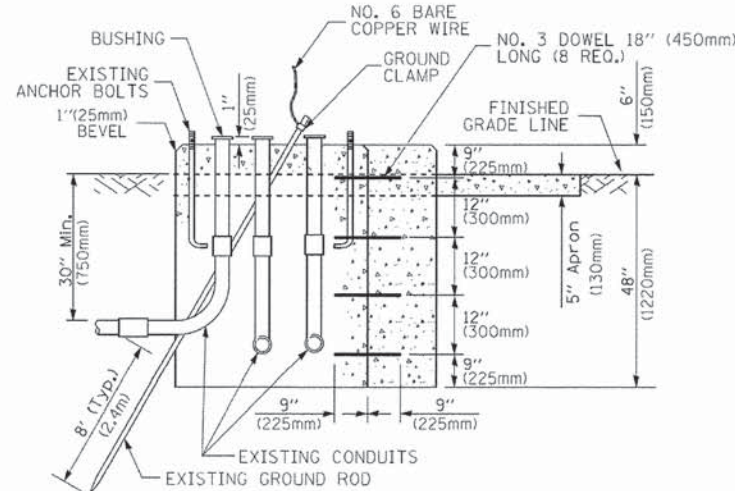
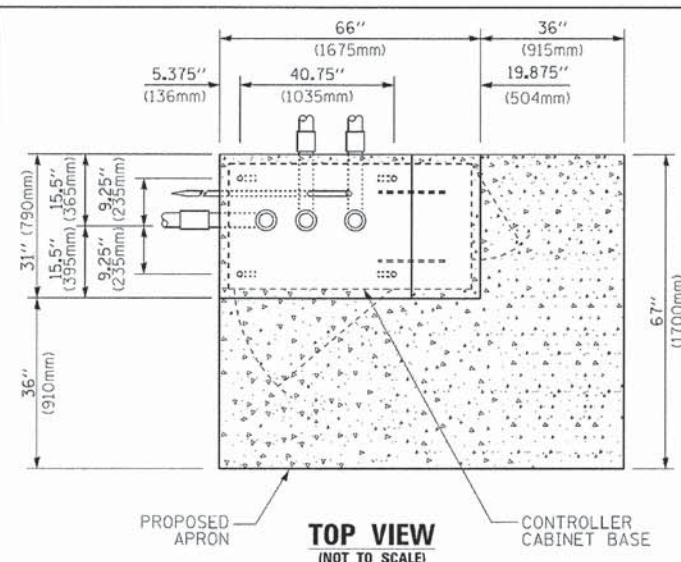
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	15-00083-00-PV	COOK	60	28
TS-05		CONTRACT NO. 61C26		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(579)				



NOTES:

1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)

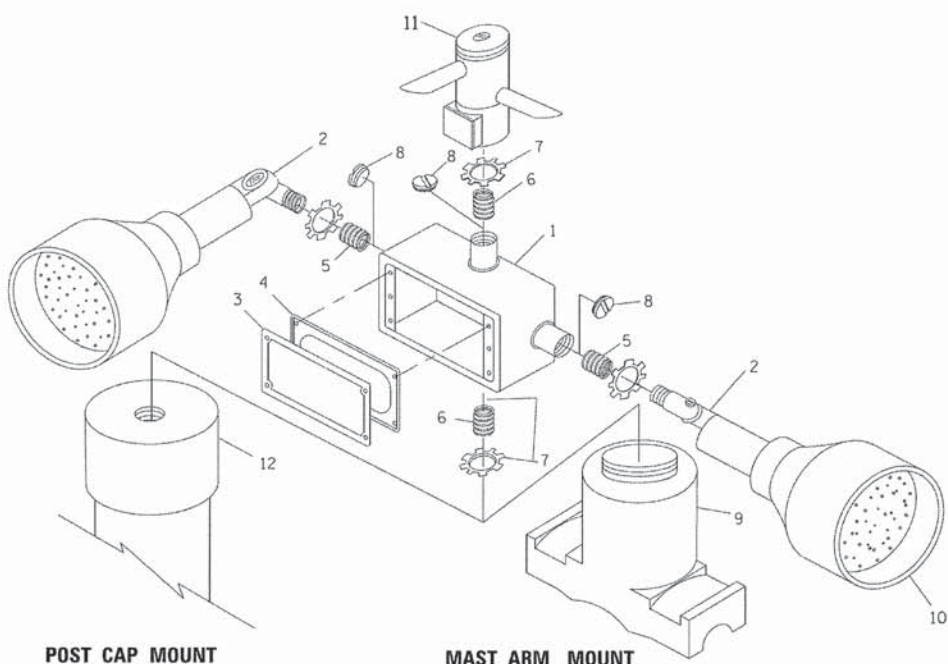


MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION
(NOT TO SCALE)

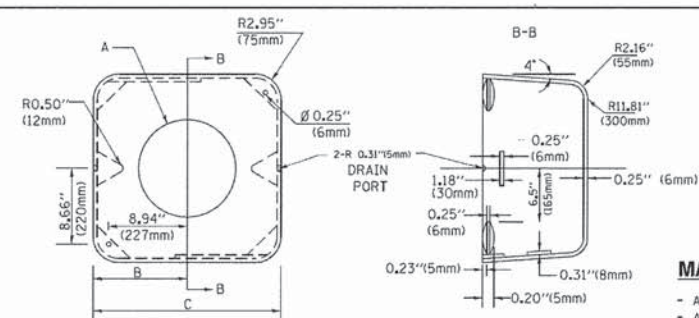
ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT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

NOTES:

1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. 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.



EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL



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

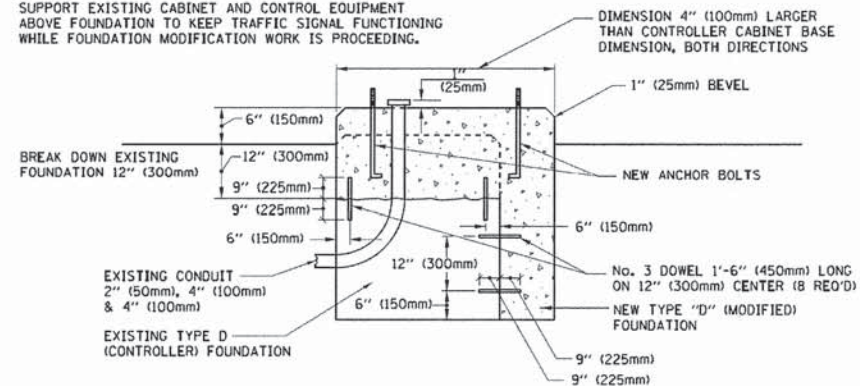
SHROUD

NOTES:

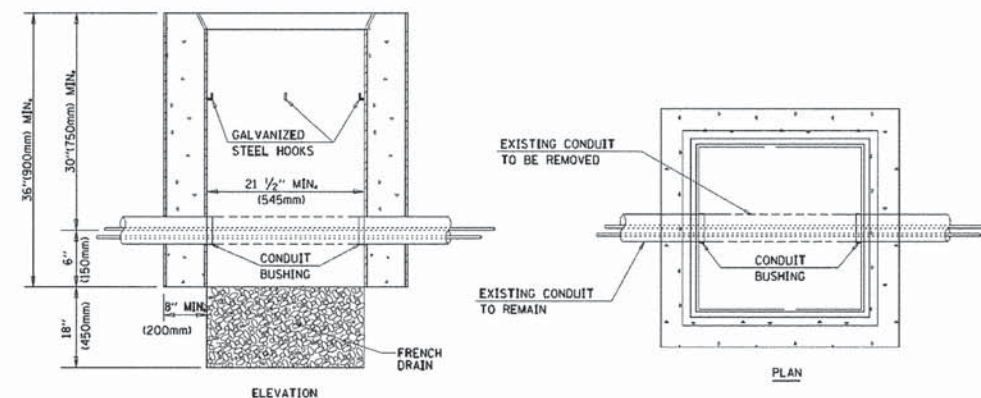
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



MODIFY EXISTING TYPE "D" FOUNDATION



NOTES:

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

TS-05
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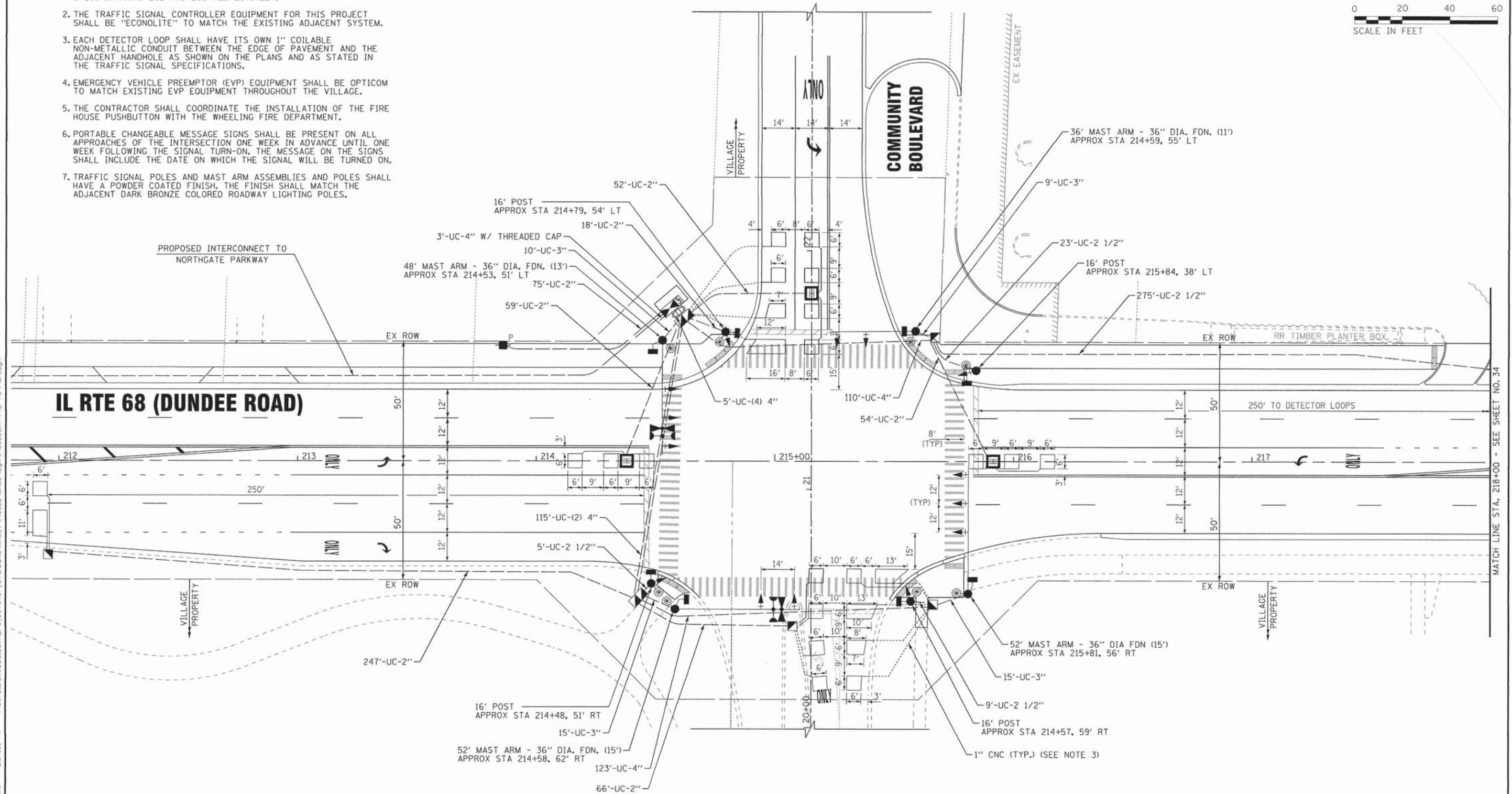
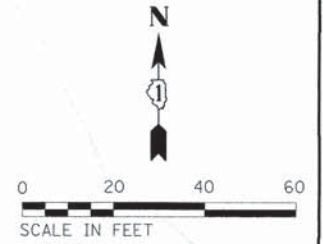
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	PLOT SCALE = 50.0000 * / 1%	CHECKED - DAD	REVISED -
	PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STANDARD TRAFFIC SIGNAL DESIGN DETAILS		343	15-00083-00-PV	COOK	60	30
SCALE: NONE		TS-05		CONTRACT NO. 61C26		
SHEET NO. 6 OF 7 SHEETS		STA. TO STA.		FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT M-4003(579)		

NOTES:

1. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE COST OF THE RELATED PAY ITEMS SUCH AS FOUNDATION, CONDUIT, HANDHOLE, 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.
2. THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.
3. EACH DETECTOR LOOP SHALL HAVE ITS OWN 1" COILABLE NON-METALLIC CONDUIT BETWEEN THE EDGE OF PAVEMENT AND THE ADJACENT HANDHOLE AS SHOWN ON THE PLANS AND AS STATED IN THE TRAFFIC SIGNAL SPECIFICATIONS.
4. EMERGENCY VEHICLE PREEMPTOR (EVP) EQUIPMENT SHALL BE OPTICOM TO MATCH EXISTING EVP EQUIPMENT THROUGHOUT THE VILLAGE.
5. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF THE FIRE HOUSE PUSHBUTTON WITH THE WHEELING FIRE DEPARTMENT.
6. PORTABLE CHANGEABLE MESSAGE SIGNS SHALL BE PRESENT ON ALL APPROACHES OF THE INTERSECTION ONE WEEK IN ADVANCE UNTIL ONE WEEK FOLLOWING THE SIGNAL TURN-ON. THE MESSAGE ON THE SIGNS SHALL INCLUDE THE DATE ON WHICH THE SIGNAL WILL BE TURNED ON.
7. TRAFFIC SIGNAL POLES AND MAST ARM ASSEMBLIES AND POLES SHALL HAVE A POWDER COATED FINISH. THE FINISH SHALL MATCH THE ADJACENT DARK BRONZE COLORED ROADWAY LIGHTING POLES.



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CHECKED - TLH	REVISED -
DATE - 12-04-15	FILE - 140350SHT-PH2-TS-Plan.dgn

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL INSTALLATION PLAN
IL RTE 68 (DUNDEE ROAD) AND
COMMUNITY BOULEVARD**

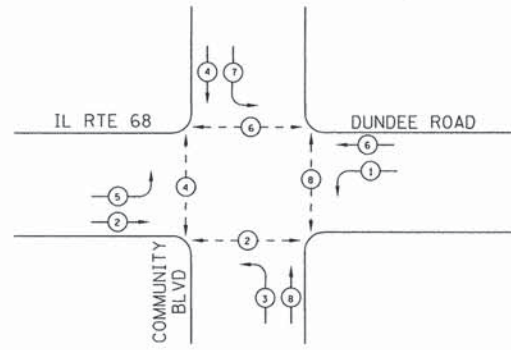
SCALE: 1"=20' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 343	SECTION 15-00083-00-PV	COUNTY COOK	TOTAL SHEETS 60	SHEET NO. 33
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT M-4003(579)				CONTRACT NO. 61C26

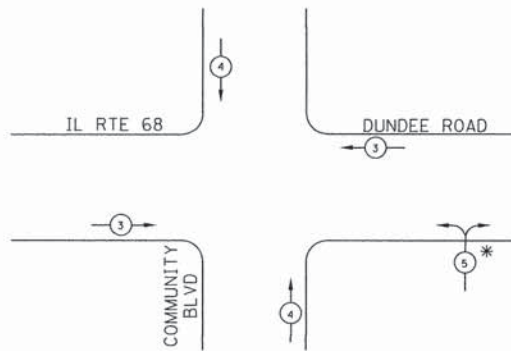
MATCH LINE STA. 218+00 - SEE SHEET NO. 34



PROPOSED CONTROLLER SEQUENCE



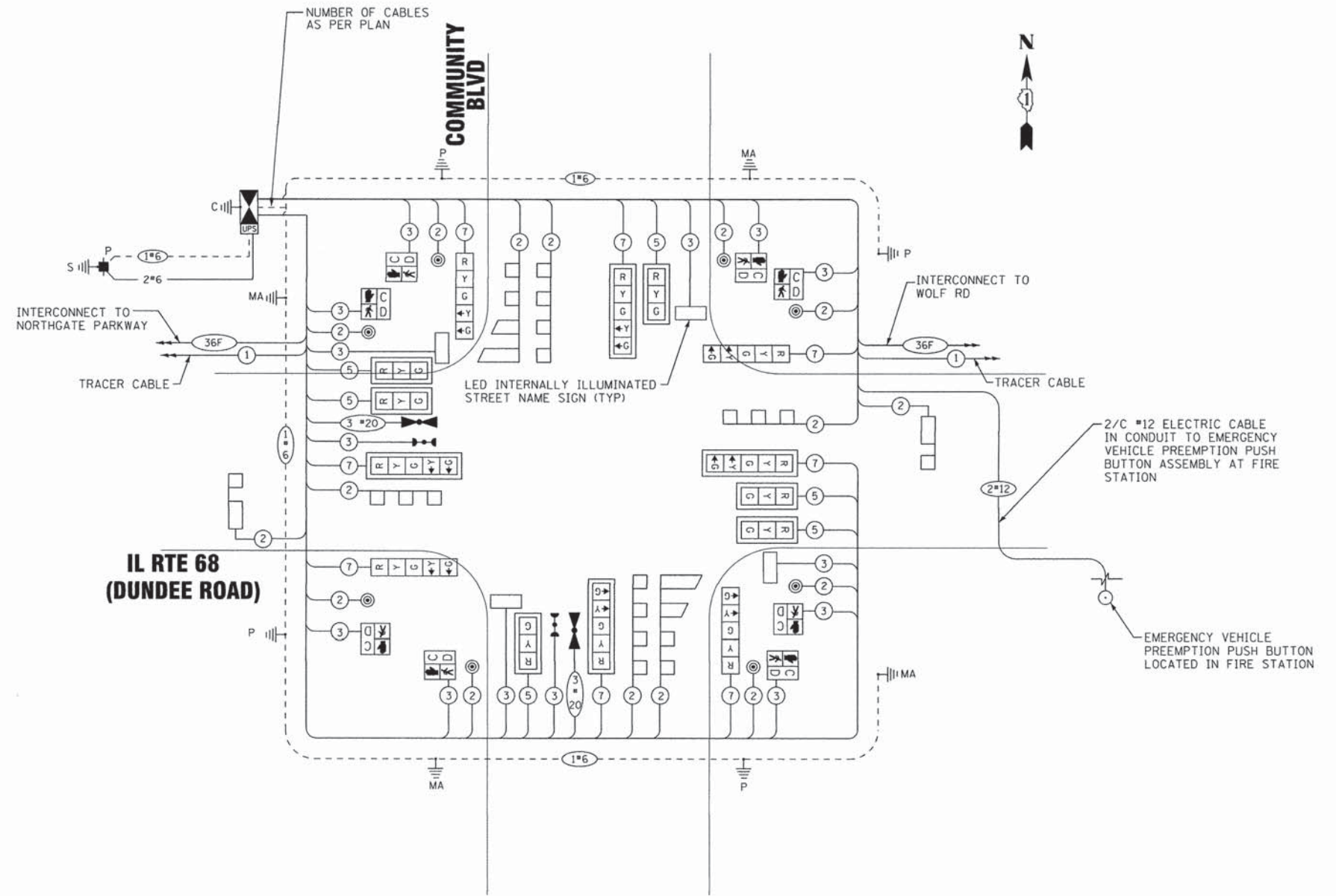
PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



* NOTE: EMERGENCY VEHICLE PREEMPTOR SHALL ONLY BE ACTIVATED BY THE PROPOSED FIRE STATION PUSHBUTTON AND WILL INITIATE AN ALL-RED CLEARANCE PHASE FOLLOWED BY A GREEN BALL AND LEFT TURN ARROW FOR ONLY WESTBOUND TRAFFIC.

LEGEND

- DUAL ENTRY PHASE
- PEDESTRIAN PHASE
- NUMBER REFERS TO ASSOCIATED PHASE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	WATTAGE LED	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	14	17	0.50	119.0
(YELLOW)	14	25	0.25	87.5
(GREEN)	14	15	0.25	52.5
PERMISSIVE ARROW (YELLOW)	8	12	0.10	9.6
PERMISSIVE ARROW (GREEN)	8	12	0.10	9.6
PED. SIGNAL	8	25	1.00	200.0
CONTROLLER	1	100	1.00	100.0
UPS	1	25	1.00	25.0
LED SIGN	2	90	0.50	90.0
LED SIGN (6'+)	2	120	0.50	120.0
TOTAL =				813.2

ENERGY COSTS TO:
 ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAY/DISTRICT 1
 201 WEST CENTER COURT/SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY: CONTRACT: KATRINA TAYLOR
 PHONE: (847) 816-5492
 COMPANY: COMMONWEALTH EDISON
 ACCOUNT NUMBER: ---

TS SHT NO. 15

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BAXTER & WOODMAN
Consulting Engineers

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CHECKED - TLH	REVISED -
DATE - 12-04-15	FILE - 140350SHT-PH2-TS-Cable.dgn

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CABLE PLAN

(NOT TO SCALE)

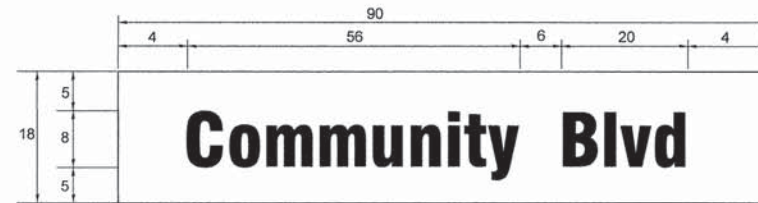
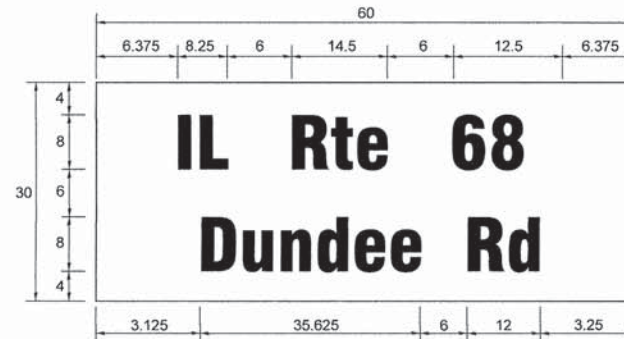
CABLE PLAN, PHASE DESIGNATION DIAGRAM,
 AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
 IL RTE 68 (DUNDEE ROAD) AND COMMUNITY BOULEVARD

SCALE: NONE

STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	15-00083-00-PV	COOK	60	35
				CONTRACT NO. 61C26
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-40035791				

LED INTERNALLY ILLUMINATED STREET NAME SIGNS



NOTE:

- FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGNS AND DISTRICT ONE LIGHTED STREET NAME SIGN DETAIL DRAWINGS.
- SIGNS SHALL BE 2-SIDED WITH THE SAME MESSAGE ON BOTH SIDED OF THE SIGN.
- SIGN DIMENSIONS ARE INCHES UNLESS OTHERWISE NOTED.
- LETTERING SHALL BE DESIGN SERIES "D".

SCHEDULE OF QUANTITIES

PAY ITEM	UNIT	TOTAL QUANTITY
CHANGEABLE MESSAGE SIGN	CAL MO	2
SERVICE INSTALLATION - POLE MOUNTED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	821
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	312
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	49
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	483
HANDHOLE	EACH	5
HEAVY-DUTY HANDHOLE	EACH	4
DOUBLE HANDHOLE	EACH	2
PAINT NEW TRAFFIC SIGNAL POST	EACH	4
PAINT NEW MAST ARM AND POLE, UNDER 40 FOOT	EACH	1
PAINT NEW MAST ARM AND POLE, 40 FOOT AND OVER	EACH	3
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 12 2C	FOOT	697
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	1,376
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	2,569
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1,313
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1,647
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1,719
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	93
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	567
TRAFFIC SIGNAL POST, 16 FT.	EACH	4
STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 52 FT.	EACH	2
CONCRETE FOUNDATION, TYPE A	FOOT	16
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	54
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	10
INDUCTIVE LOOP DETECTOR	EACH	8
DETECTOR LOOP, TYPE I	FOOT	927
LIGHT DETECTOR	EACH	2
LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	8
EMERGENCY VEHICLE PREEMPTION PUSHBUTTON ASSEMBLY	EACH	1
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	329
LED INTERNALLY ILLUMINATED STREET NAME SIGN	EACH	4
FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1

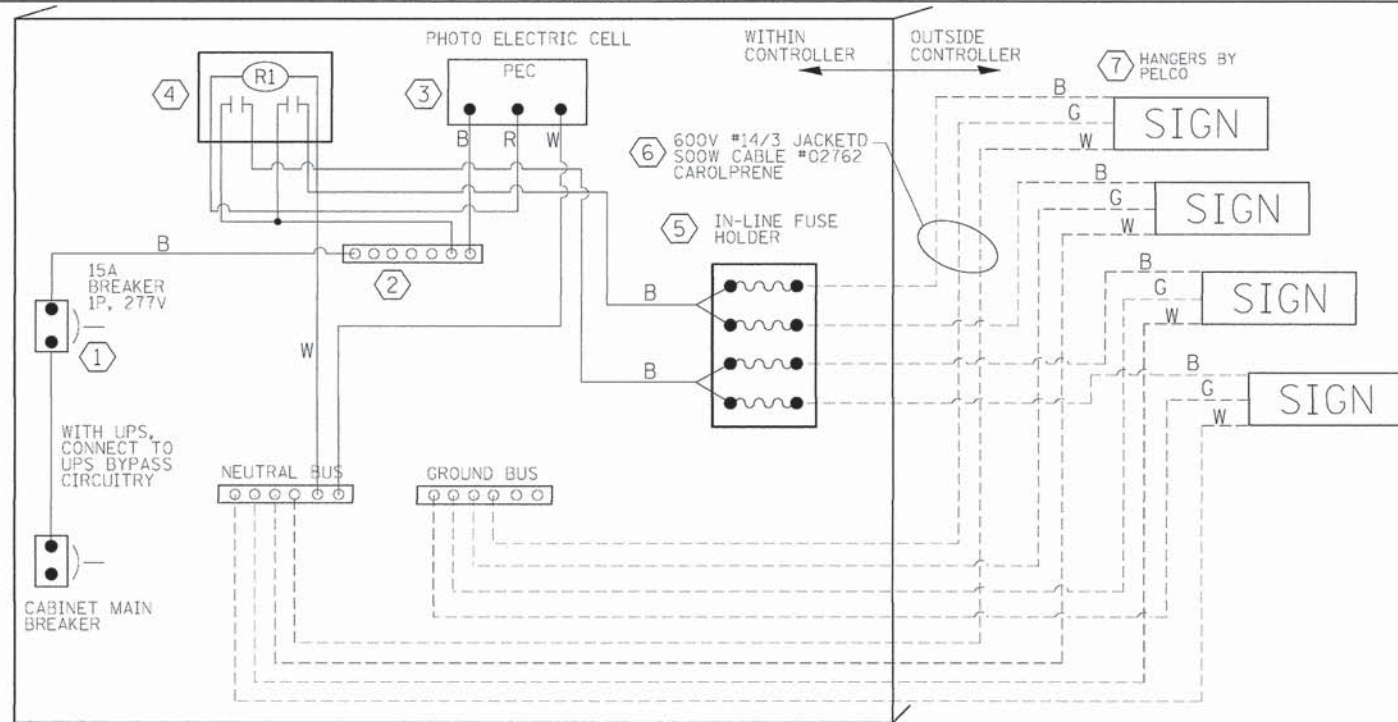
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	DATE - 12-04-15	FILE - 140350SHT-PH2-TS-Cable.dgn

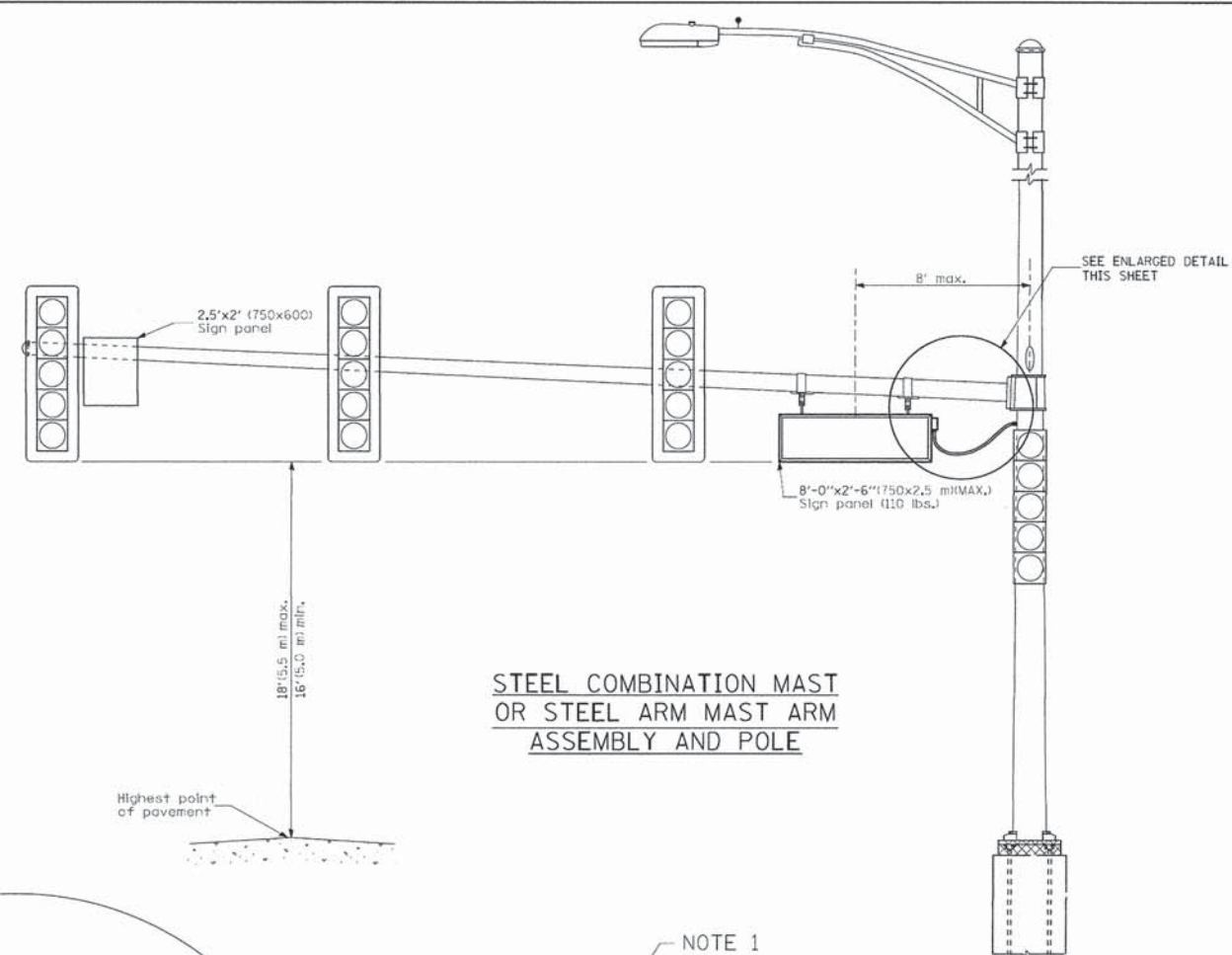
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAST ARM MOUNTED STREET NAMES AND SCHEDULE OF QUANTITIES	
IL RTE 68 (DUNDEE ROAD) AND COMMUNITY BLVD	
SCALE: NONE	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	15-00083-00-PV	COOK	60	36
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-40036791			CONTRACT NO. 61C26	



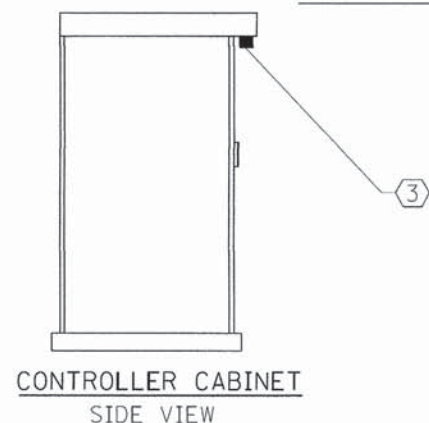
LED SIGN WIRING DETAIL



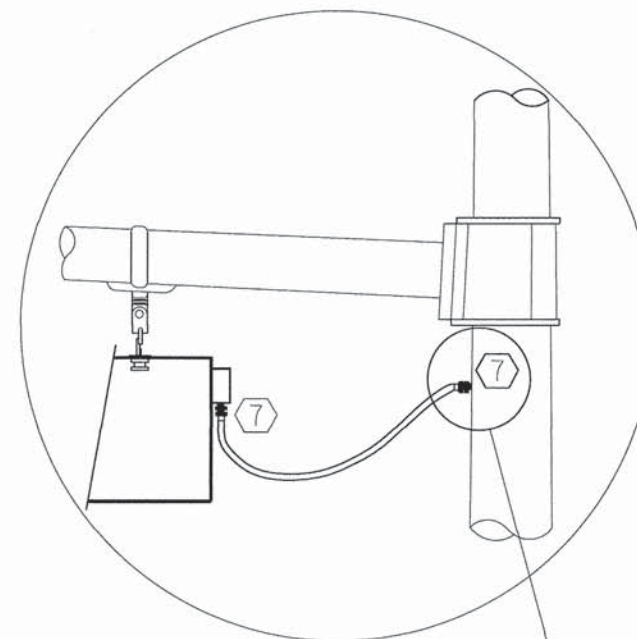
STEEL COMBINATION MAST OR STEEL ARM MAST ARM ASSEMBLY AND POLE

DESCRIPTION	MANUFACTURER	MODEL	NOTES
① CIRCUIT BREAKER		15 AMPERE	Molded case, Thermal Mag. min. R.I. of 14K R.M.S. symmetrical ampere at 277V.
② TERMINAL BLOCK	MARATHON	1502 DJSV	
③ PHOTO ELECTRIC CONTROL	FISHER PIERCE	B124-1.5-07762	
④ CONTROL RELAY	SQUARE D	8501X020V02	BOLT ON W/SCREW TERMINAL
⑤ INLINE FUSE HOLDER WITH 5 AMP FUSE	BUSSMAN	S-8000 BK/S-8-3-4-R	
⑥ ELECTRIC CABLE, NO. 14, 3/C (BLACK, WHITE, GREEN)	CAROLPRENE/SOOW	02762	
⑦ SIGN MOUNTING HARDWARE	PELCO	SE-5015	S.S. HARDWARE

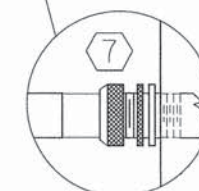
BILL OF MATERIALS



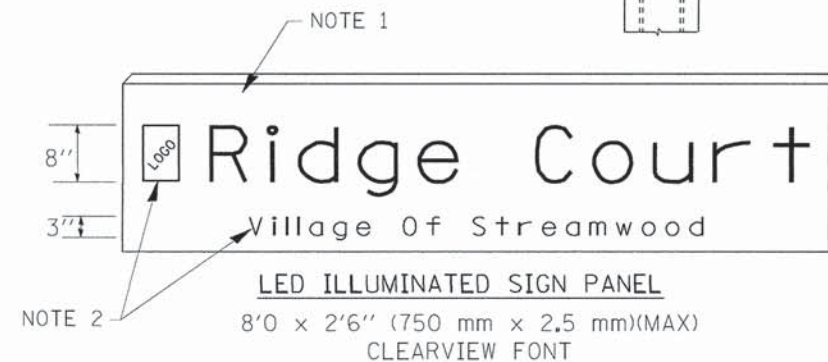
CONTROLLER CABINET SIDE VIEW



L.E.D. SIGN ENLARGED CABLE CONNECTOR DETAIL



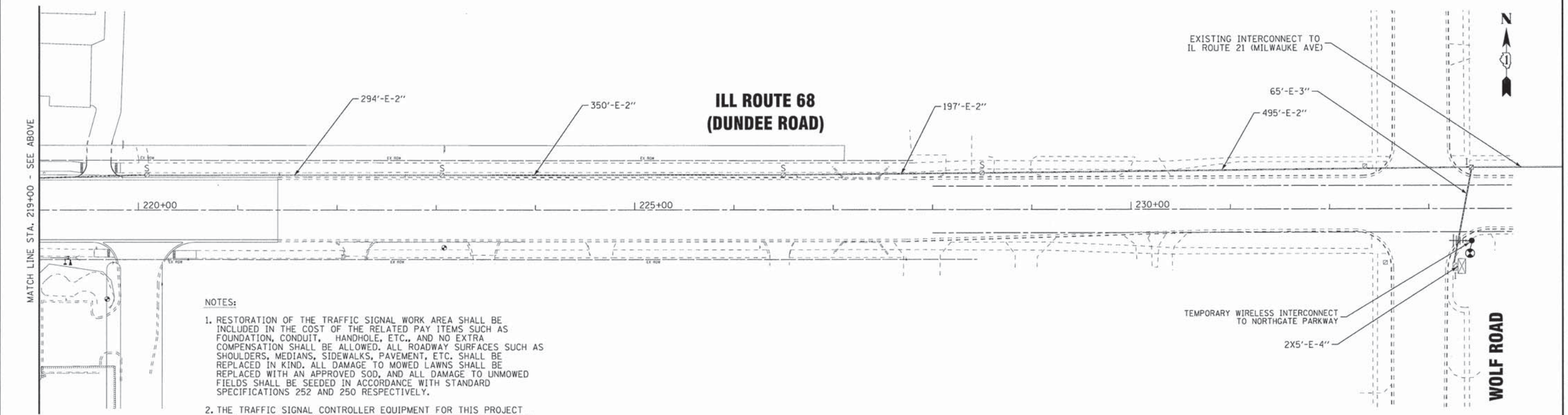
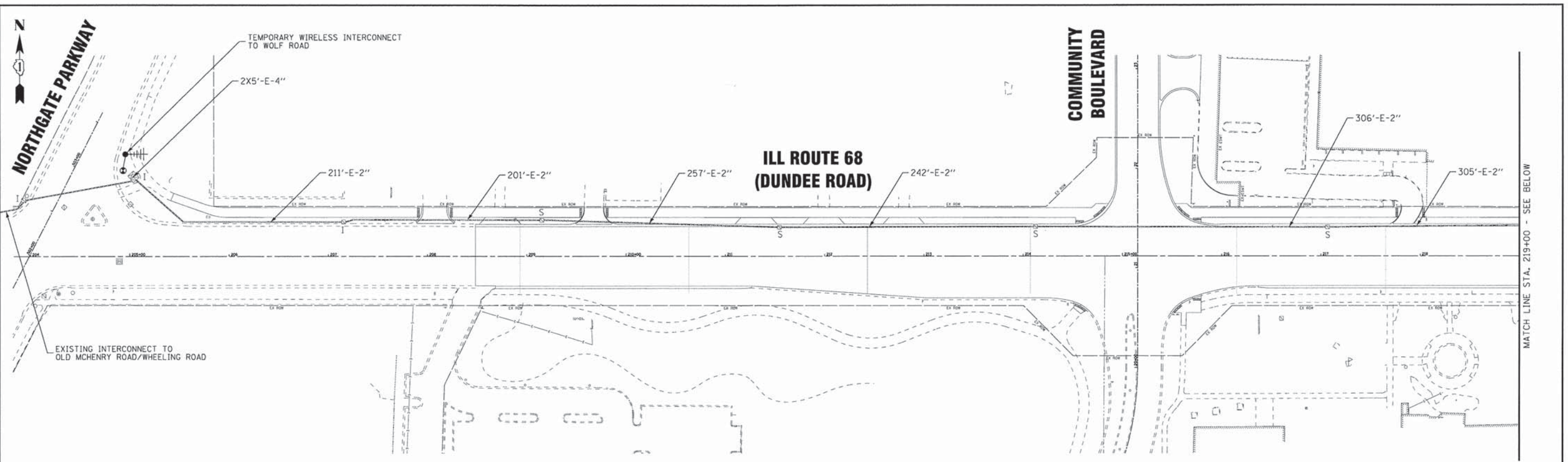
L.E.D. SIGN ENLARGED CABLE CONNECTOR DETAIL



NOTES:

- SIGNS SHALL BE DUAL SIDED. FRONT AND BACK OF SIGN WILL BE THE SAME.
- CERTAIN ADDITIONAL INFORMATION MAY BE ALLOWED ON THE SIGN. VERIFY WITH ENGINEER.
- SIGNS SHALL NOT BE ENERGIZED WHEN TRAFFIC SIGNALS ARE POWERED BY THE UPS. THE SIGNS SHALL BE CONNECTED TO THE UPS BYPASS CIRCUITRY.
- ALL WIRING WITHIN THE CABINET SHALL BE COLOR CODED AS INDICATED:
R = RED BL = BLUE W = WHITE
B = BLACK Y = YELLOW G = GREEN
- ALL 120 VOLT SYSTEM AND ALL CONTROL WIRING SHALL BE #12AWG STRANDED UNLESS OTHERWISE INDICATED.
- ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.

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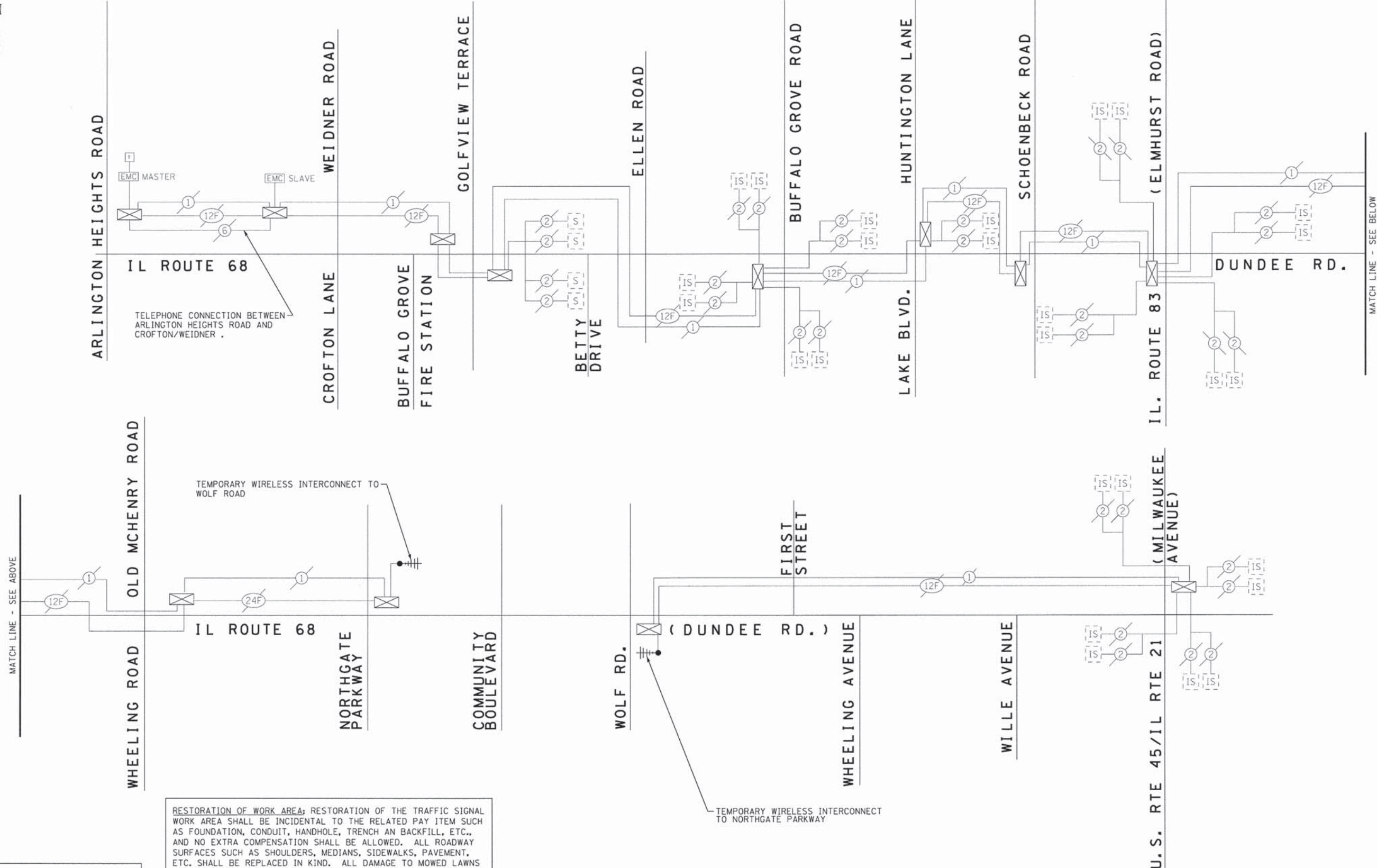
- NOTES:
1. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE COST OF THE RELATED PAY ITEMS SUCH AS FOUNDATION, CONDUIT, HANDHOLE, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. 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.
 2. THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.

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DRAWN - CJC	REVISED -
CHECKED - TLH	REVISED -
DATE - 12-04-15	FILE - 140350SHT-PH2-TS-Temp-Interconnect.dgn

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TEMPORARY INTERCONNECT PLAN
 IL ROUTE 68 (DUNDEE ROAD)
 NORTHGATE PARKWAY TO WOLF ROAD

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	15-00083-00-PV	COOK	60	38
CONTRACT NO. 61C26				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-400315791				



THE TRAFFIC SIGNAL CONTROL EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE 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.

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DRAWN - CJC	REVISED -
CHECKED - TLH	REVISED -
DATE - 12-04-15	FILE - 1403350SHT-PH2-TS-Temp-Inter-Schematic.dgn

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TEMPORARY INTERCONNECT SCHEMATIC
 IL RTE 68 (DUNDEE ROAD)
 ARLINGTON HEIGHTS RD TO US RTE 45 (MILWAUKEE AVE)
 SCALE: NONE STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	15-00083-00-PV	COOK	60	39
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-40035791				CONTRACT NO. 61C26



NORTHGATE PARKWAY

EXISTING INTERCONNECT TO
OLD MCHENRY ROAD/WHEELING ROAD

5'-E-2"

**ILL ROUTE 68
(DUNDEE ROAD)**

CONDUIT SPLICE (INCLUDED IN THE COST OF UNDERGROUND
CONDUIT, GALVANIZED STEEL, 2" DIA.)

EXISTING CONDUIT TO BE ABANDONED
247'-UC-2"

**COMMUNITY
BOULEVARD**

4X5'-E-4"

110'-E-4"

275'-E-2 1/2"

205+00

210+00

215+00

EXISTING CONDUIT TO BE ABANDONED

MATCH LINE STA. 219+00 - SEE BELOW

NOTES:

1. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED IN THE COST OF THE RELATED PAY ITEMS SUCH AS FOUNDATION, CONDUIT, HANDHOLE, 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.
2. THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "ECONOLITE" TO MATCH THE EXISTING ADJACENT SYSTEM.
3. THE EXISTING FIBER OPTIC CABLE AND TRACER CABLE WIRE SHALL BE REMOVED FROM THE EXISTING CONDUIT AND REPLACED BY THE CONTRACTOR WITH NEW FIBER OPTIC CABLE AS NOTED ON THE PLANS. THE CONTRACTOR SHALL ROD AND CLEAN THE EXISTING SYSTEM CONDUITS PRIOR TO INSTALLATION OF NEW TRACER AND FIBER OPTIC CABLES.
4. WHERE EXISTING INTERCONNECT CONDUIT TO BE ABANDONED CONFLICTS WITH PROPOSED CONSTRUCTION, THE CONDUIT SHALL BE REMOVED. THIS WORK SHALL BE INCLUDED IN THE COST OF THE ITEMS BEING CONSTRUCTED.

MATCH LINE STA. 219+00 - SEE ABOVE

180'-UC-2"

DRILL EX HANDHOLE (1)

294'-E-2"

350'-E-2"

**ILL ROUTE 68
(DUNDEE ROAD)**

197'-E-2"

EXISTING INTERCONNECT TO
IL ROUTE 21 (MILWAUKE AVE)

65'-E-3"

495'-E-2"

EXISTING CONDUIT TO BE ABANDONED
220+00

225+00

230+00

2X5'-E-4"

WOLF ROAD



TS SHT NO. 20

CONTRACT NO. 15-00083-00-PV
STATE OF ILLINOIS - PROFESSIONAL DESIGN FIRM
LICENSE NO. 184-00181 - EXPIRES 4/30/2017
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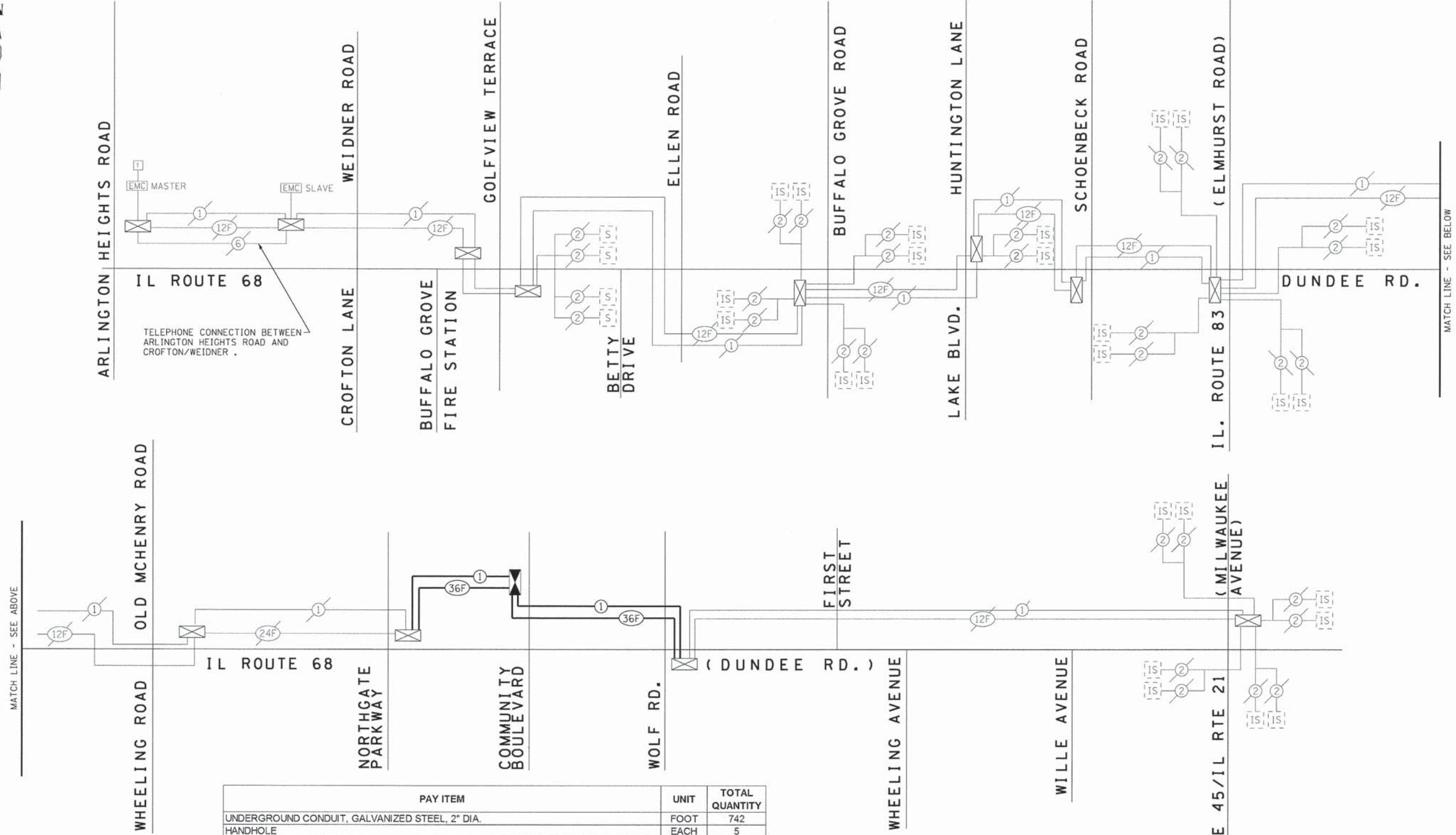
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTERCONNECT PLAN
IL ROUTE 68 (DUNDEE ROAD)
NORTHGATE PARKWAY TO WOLF ROAD**

SCALE: STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	15-00083-00-PV	COOK	60	40
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003579			CONTRACT NO. 61C26	



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

PAY ITEM	UNIT	TOTAL QUANTITY
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	742
HANDHOLE	EACH	5
TRANSCEIVER - FIBER OPTIC	EACH	1
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	3,110
DRILL EXISTING HANDHOLE	EACH	1
REMOVE EXISTING HANDHOLE	EACH	4
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	3,050
ROD AND CLEAN EXISTING CONDUIT	FOOT	2,717
TEMPORARY WIRELESS INTERCONNECT SYSTEM	EACH	1
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	3,110
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1

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 AN 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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 BAXTER & WOODMAN, INC.
 STATE OF ILLINOIS PROFESSIONAL DESIGN FIRM
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BAXTER & WOODMAN
 Consulting Engineers

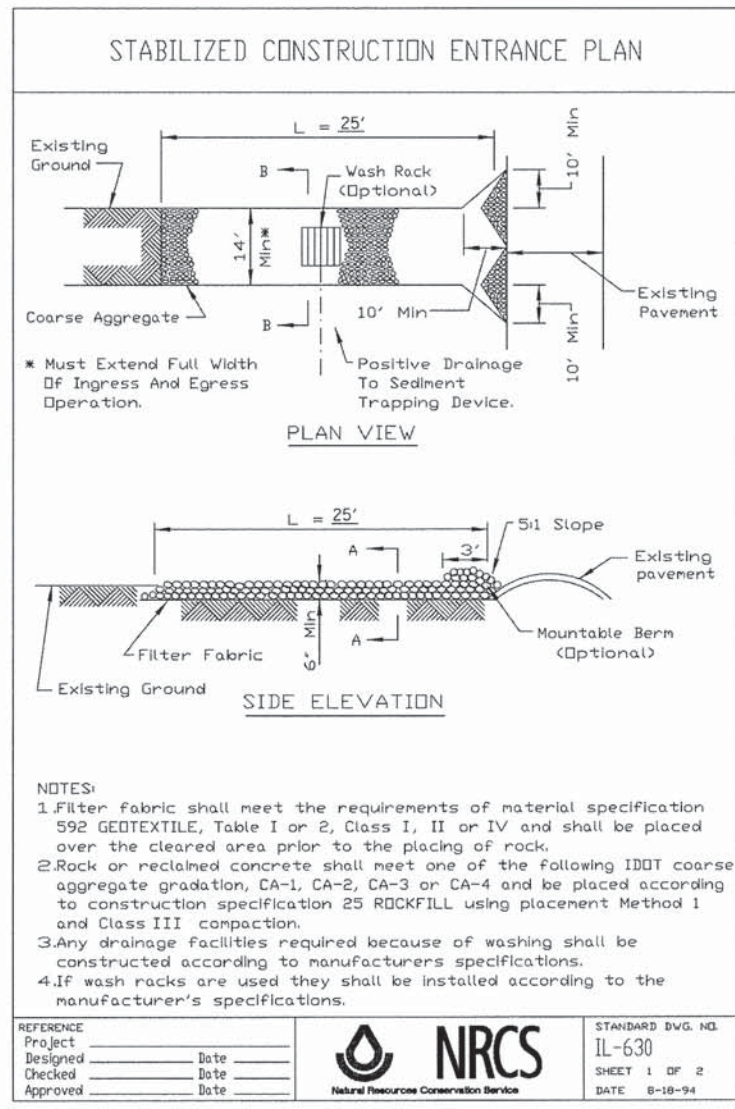
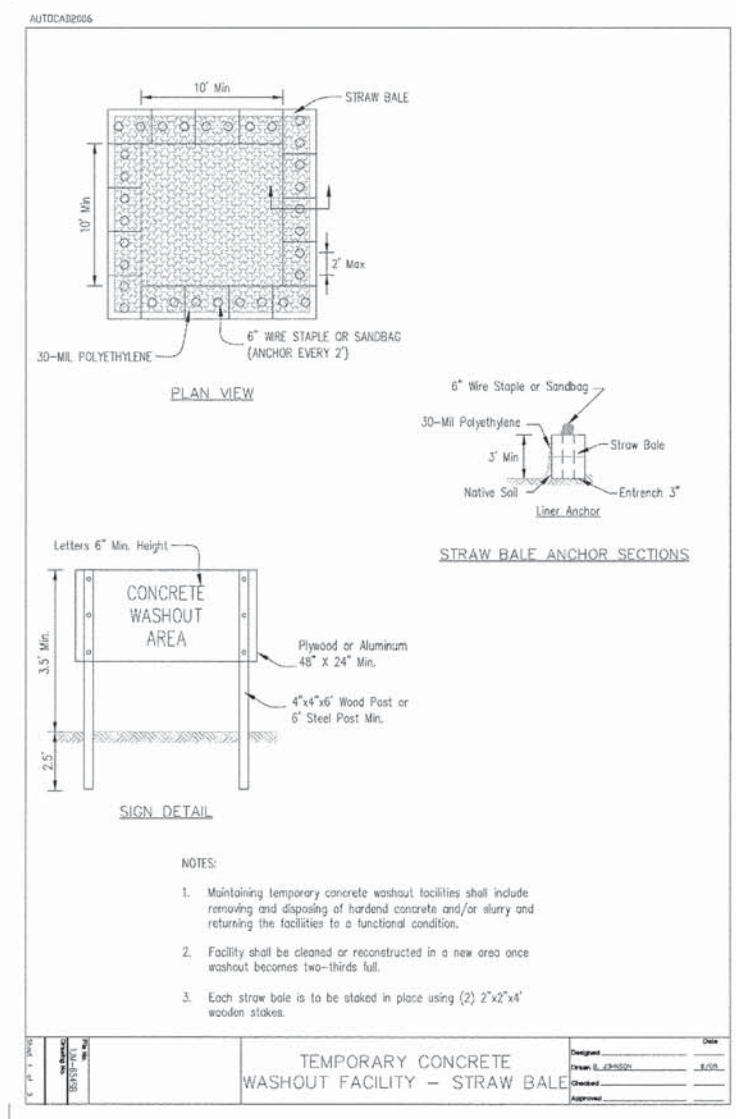
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

INTERCONNECT SCHEMATIC
IL RTE 68 (DUNDEE ROAD)
ARLINGTON HEIGHTS RD TO US RTE 45 (MILWAUKEE AVE)
 SCALE: NONE STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	15-00083-00-PV	COOK	60	41
CONTRACT NO. 61C26				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT M-40035791				

MATCH LINE - SEE BELOW



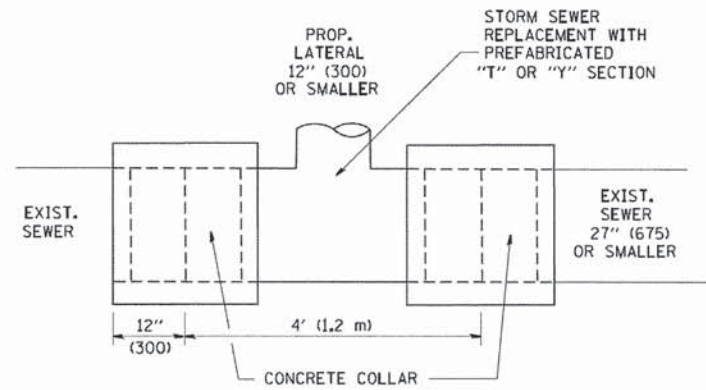
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	CHECKED - TLH	REVISED -
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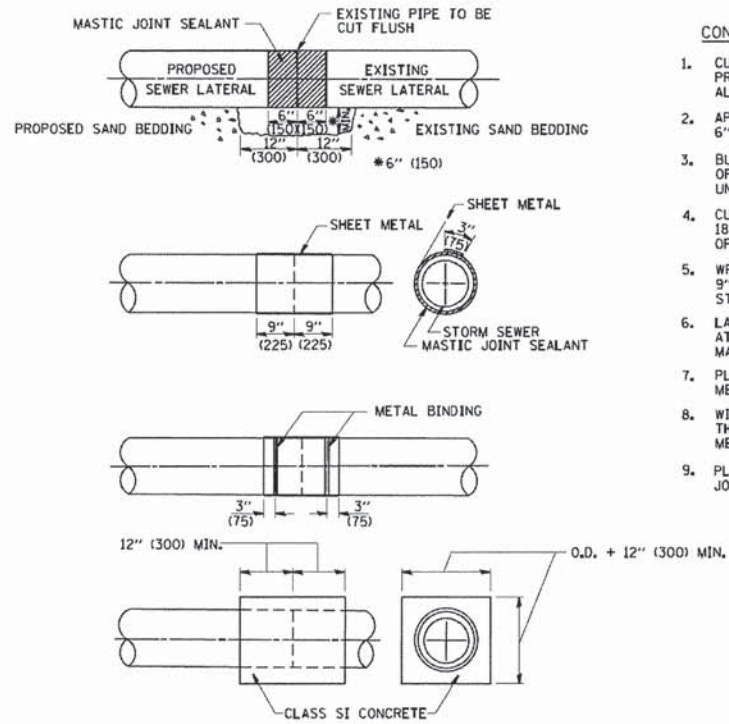
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS DETAILS
 SCALE: STA. TO STA.

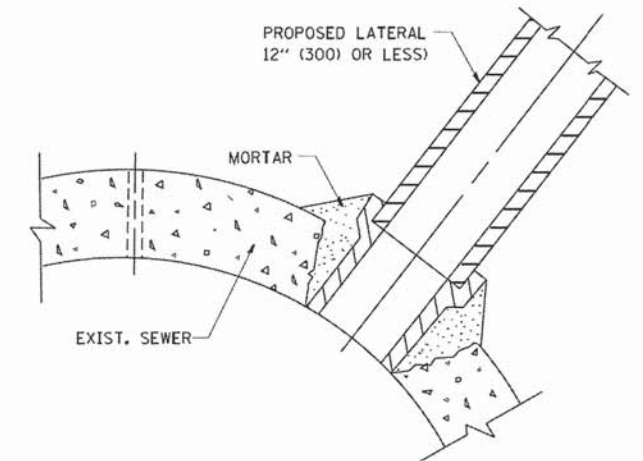
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	15-00083-00-PV	COOK	60	43
CONTRACT NO. 61C26				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-40036791				



DETAIL "A"
LATERAL CONNECTION TO EXISTING SEWER
OF 27" (675) OR SMALLER



DETAIL "B"
CLASS SI CONCRETE COLLAR



DETAIL "C"
PROPOSED LATERAL
CONNECTION TO EXISTING SEWER
OF 30" (750) OR LARGER

CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12' x 6" (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERENCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OZZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.

NOTES

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

- I. THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
- II. CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
 - A) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
 - B) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS. THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

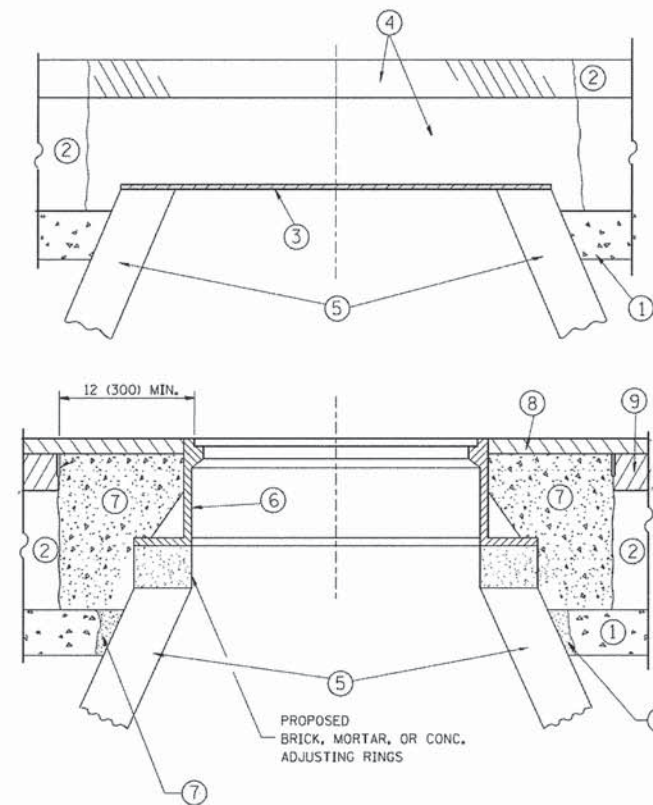
REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\distata\22\34\bd07.dgn	USER NAME = goglianobis	DESIGNED - M. DE YONG	REVISED - M. DE YONG 05-08-92	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER			F.A.P. RTE. 343	SECTION 15-00083-00-PV	COUNTY COOK	TOTAL SHEETS 60	SHEET NO. 45
	PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - R. SHAH 09-09-94		SCALE: NONE	SHEET NO. 1	OF 1	SHEETS	STA.	TO STA.	CONTRACT NO. 61C26	
	PLOT DATE = 1/4/2008	DATE - 07-25-90	REVISED - R. SHAH 10-25-94								FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT M-4003(579)	
			REVISED - R. SHAH 06-12-96									



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS EXCEPT THAT "THE CONTRACTOR SHALL ADJUST THE STRUCTURES TO THE FINISHED PAVEMENT ELEVATION NO MORE THAN 5 CALENDAR DAYS PRIOR TO PLACEMENT OF THE FINAL LIFT OF SURFACE UNLESS APPROVED BY THE ENGINEER."

LEGEND

- ① SUB-BASE GRANULAR MATERIAL
- ② EXISTING PAVEMENT
- ③ 36 (900) DIAMETER METAL PLATE
- ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX
- ⑤ EXISTING STRUCTURE
- ⑥ FRAME AND LID (SEE NOTES)
- ⑦ CLASS PP-1* CONCRETE
- ⑧ PROPOSED HMA SURFACE COURSE
- ⑨ PROPOSED HMA BINDER COURSE

LOCATION OF STRUCTURES:

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT:

REMOVING FRAMES AND LIDS ON DRAINAGE AND UTILITY STRUCTURES IN THE PAVEMENT PRIOR TO MILLING, AND ADJUSTING TO FINAL GRADE PRIOR TO PLACING THE SURFACE COURSE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)."

THIS WORK WILL NOT BE PAID FOR WHEN DRAINAGE AND UTILITY STRUCTURES ARE SPECIFIED FOR PAYMENT AS STRUCTURE RECONSTRUCTION.

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

NOTES:

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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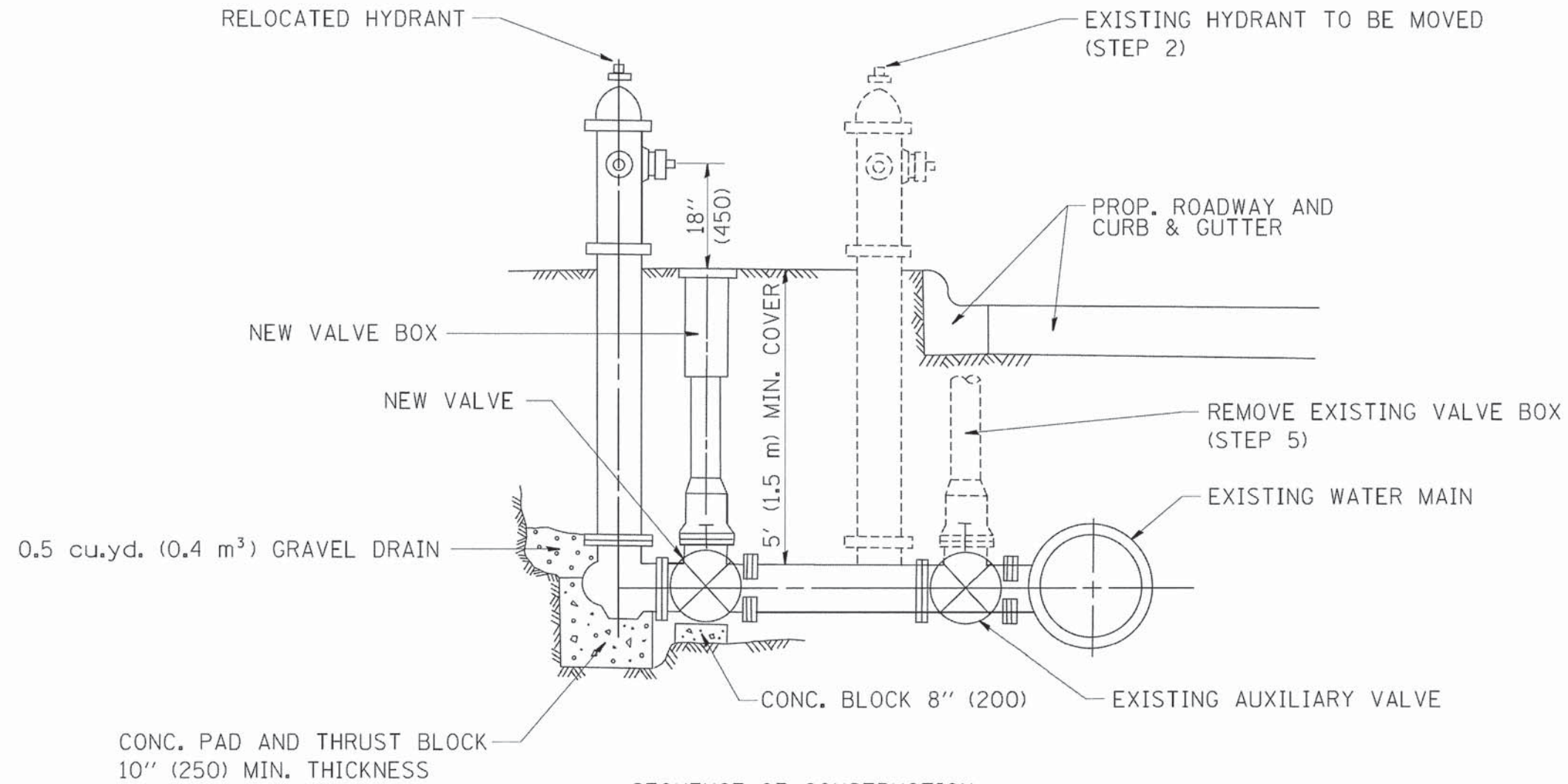
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETAILS FOR
FRAMES AND LIDS ADJUSTMENT WITH MILLING**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	15-00083-00-PV	COOK	60	46
BD600-03 (BD-8)			CONTRACT NO. 61C26	
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT M-4003(579)				

STATE OF ILLINOIS - PROFESSIONAL ENGINEER - LICENSE NO. 017-00121 - EXPIRES 4/30/2015
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SEQUENCE OF CONSTRUCTION:

1. CLOSE EXISTING VALVE.
2. REMOVE EXISTING HYDRANT.
3. INSTALL HYDRANT EXTENSION AND NEW VALVE.
4. RELOCATE EXISTING HYDRANT.
5. OPEN EXISTING VALVE, REMOVE BOX.
6. BACKFILL.
7. FLUSH AND TEST FOR CHLORIDE RESIDUAL AND PROVIDE TEST.

ALL WORK TO BE DONE IN ACCORDANCE WITH ARTICLE 564 OF THE STANDARD SPECIFICATIONS. NEW VALVE AND BOX SHALL BE SAME MAKE AND MODEL AS EXISTING.

FIRE HYDRANT TO BE MOVED

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

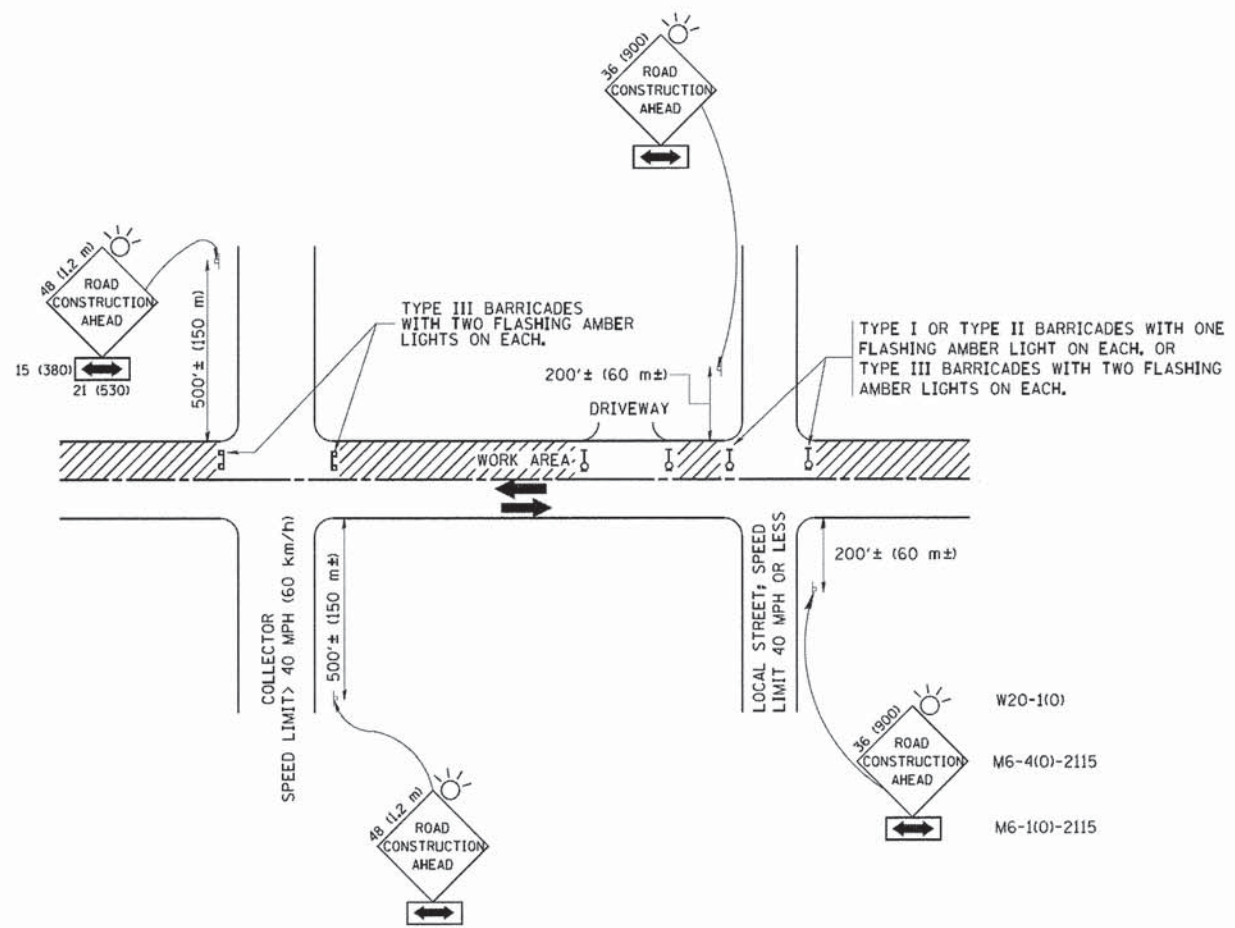
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIRE HYDRANT TO BE MOVED			
SCALE: NONE	SHEET NO. 1	OF 1	SHEETS
STA.	TO STA.		

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	15-00083-00-PV	COOK	60	48
BD-36			CONTRACT NO. 61C26	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(579)				



TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

a) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.

b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.

2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

a) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.

b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.

3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.

C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.

D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

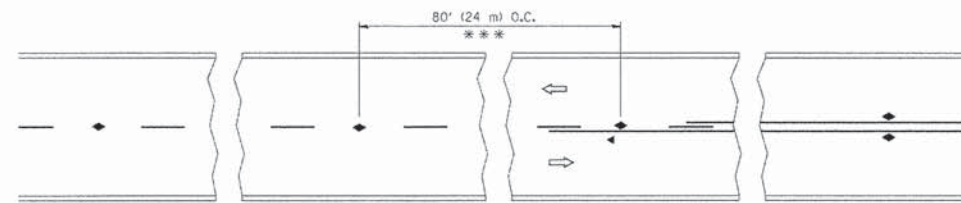
All dimensions are in millimeters (inches) unless otherwise shown.

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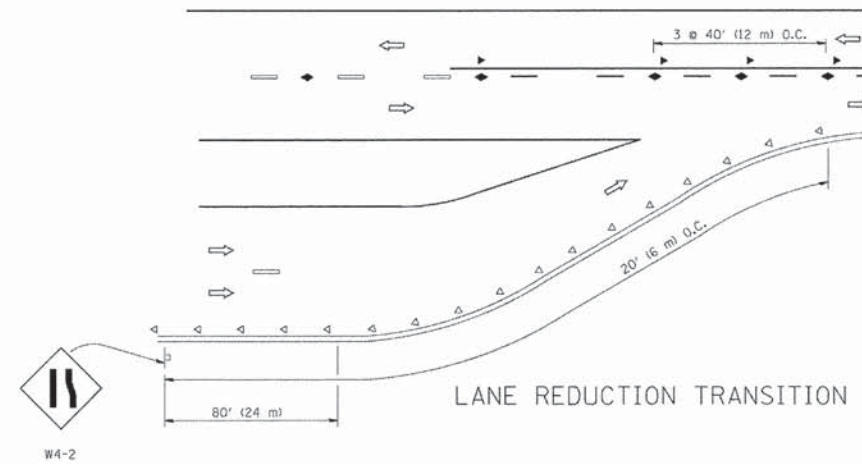
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

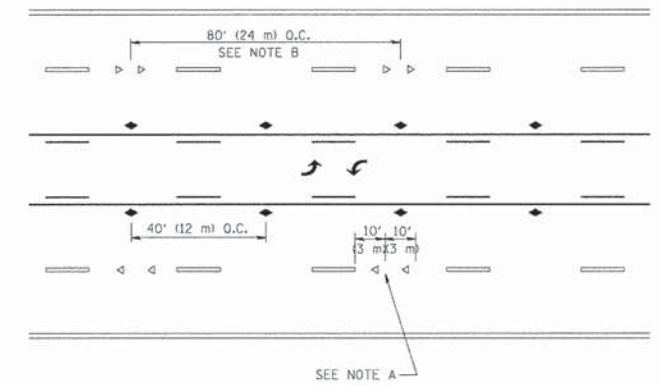
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SHEET NO. 1 OF 1 SHEETS		TC-10		CONTRACT NO. 61C26		
STA. TO STA.		FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT M-4003(579)				



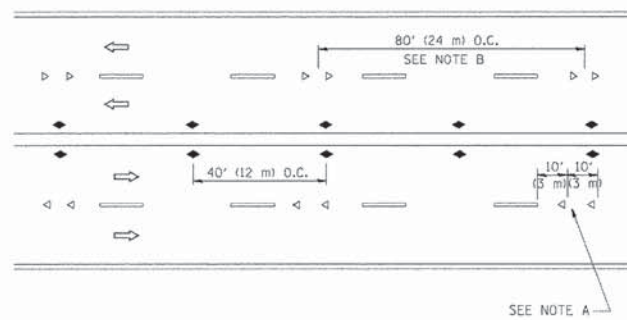
TWO-LANE/TWO-WAY



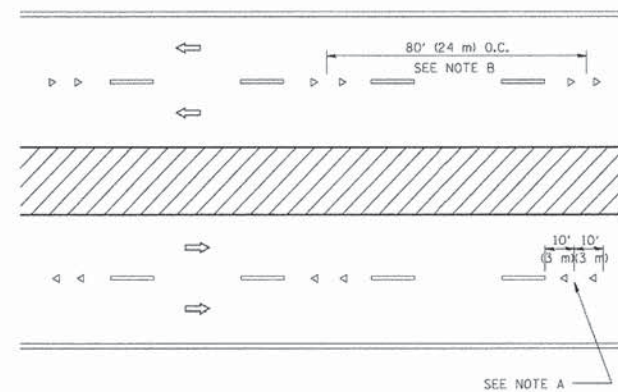
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

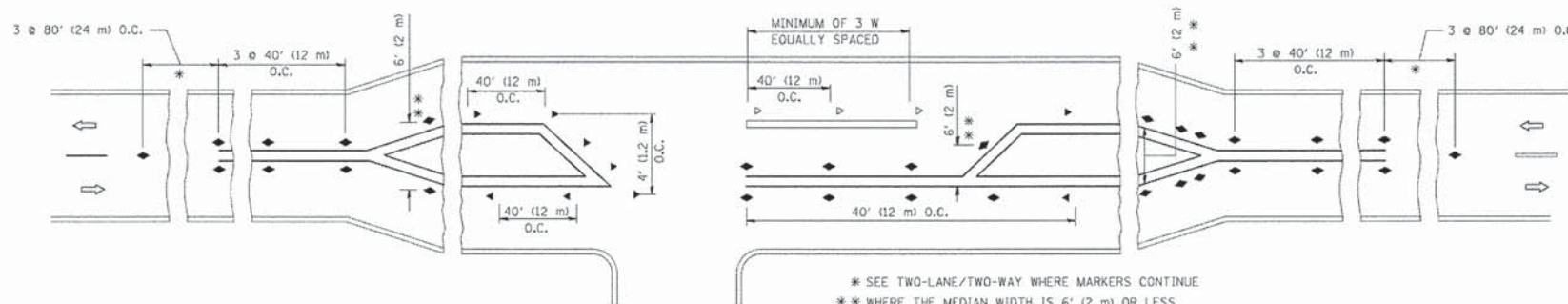
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
 B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H. (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHOULD BE INCLUDED IN THE PLANS.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



LEFT TURN

- * SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
- ** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

All dimensions are in inches (millimeters) unless otherwise shown.

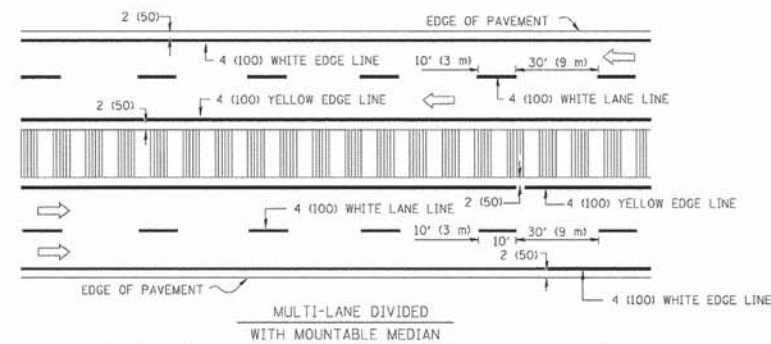
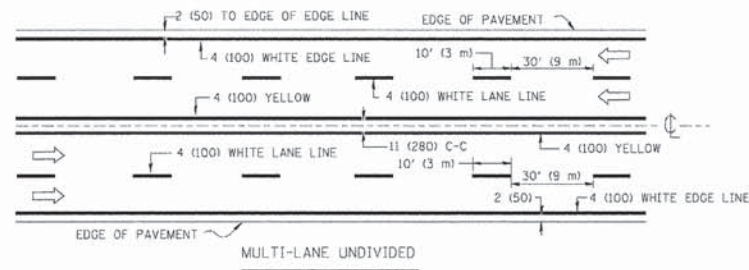
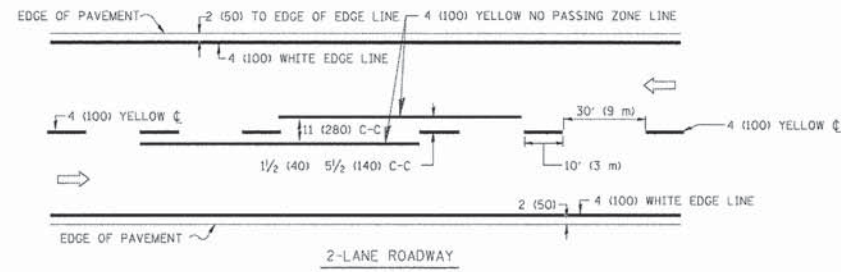
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 12/2/2008

FILE NAME =	USER NAME = d\v\k\k\k\d\0315\to1.dgn	DESIGNED -	REVISED - T. RAMMACHER 09-19-94
		DRAWN -	REVISED - T. RAMMACHER 03-12-99
	PLOT SCALE = 50.000' / 1 IN.	CHECKED -	REVISED - T. RAMMACHER 01-06-00
	PLOT DATE = 9/9/2009	DATE -	REVISED - C. JUCIUS 09-09-09

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

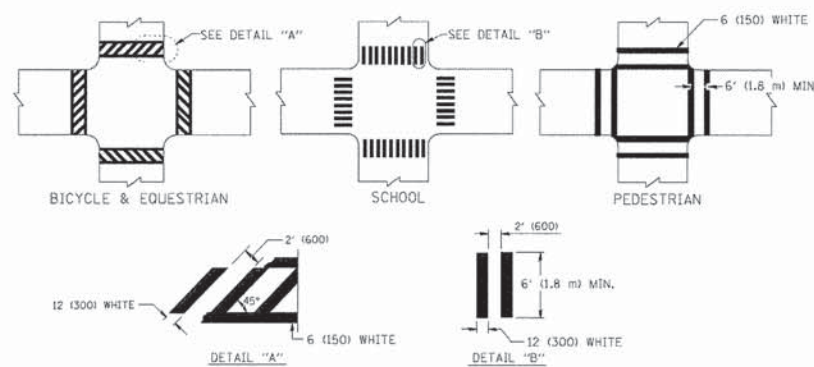
TYPICAL APPLICATIONS			
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)			
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	15-00083-00-PV	COOK	60	50
TC-11			CONTRACT NO. 61C26	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-40031579				

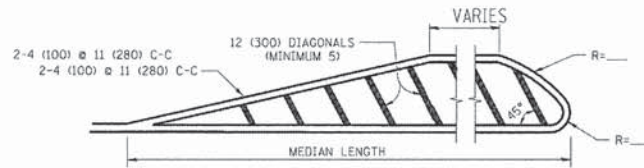
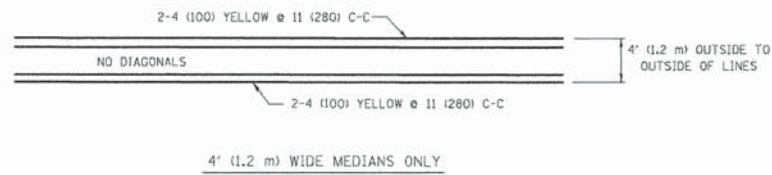


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING

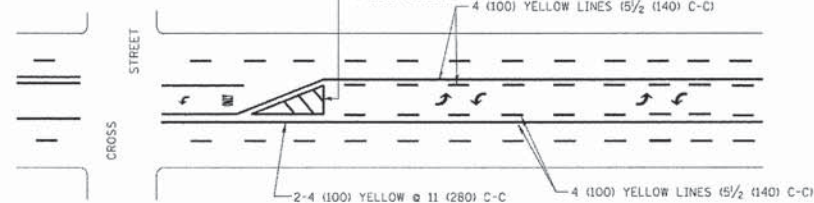


TYPICAL CROSSWALK MARKING

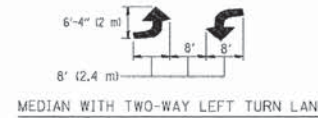


DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (OVER 45MPH (70 km/h))

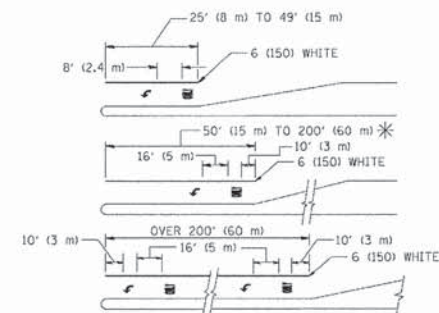
MEDIANS OVER 4' (1.2 m) WIDE



A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



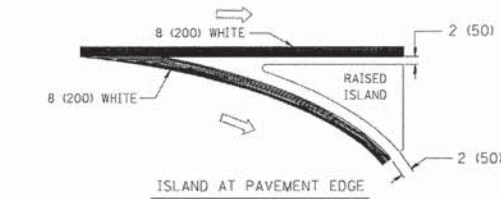
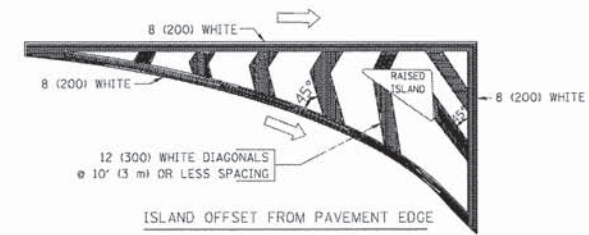
TYPICAL PAINTED MEDIAN MARKING



FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE.
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

All dimensions are in inches (millimeters) unless otherwise shown.

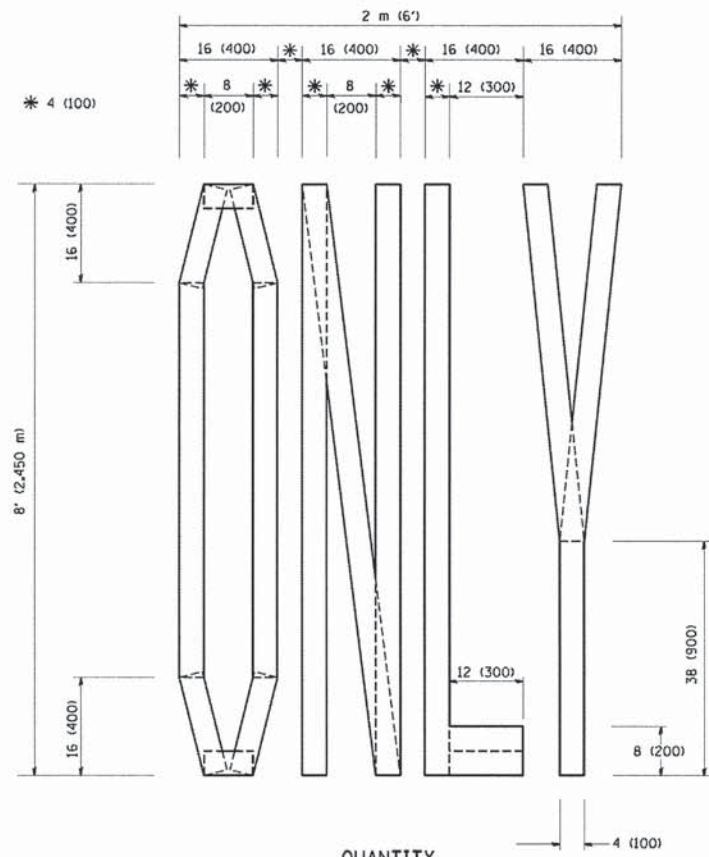
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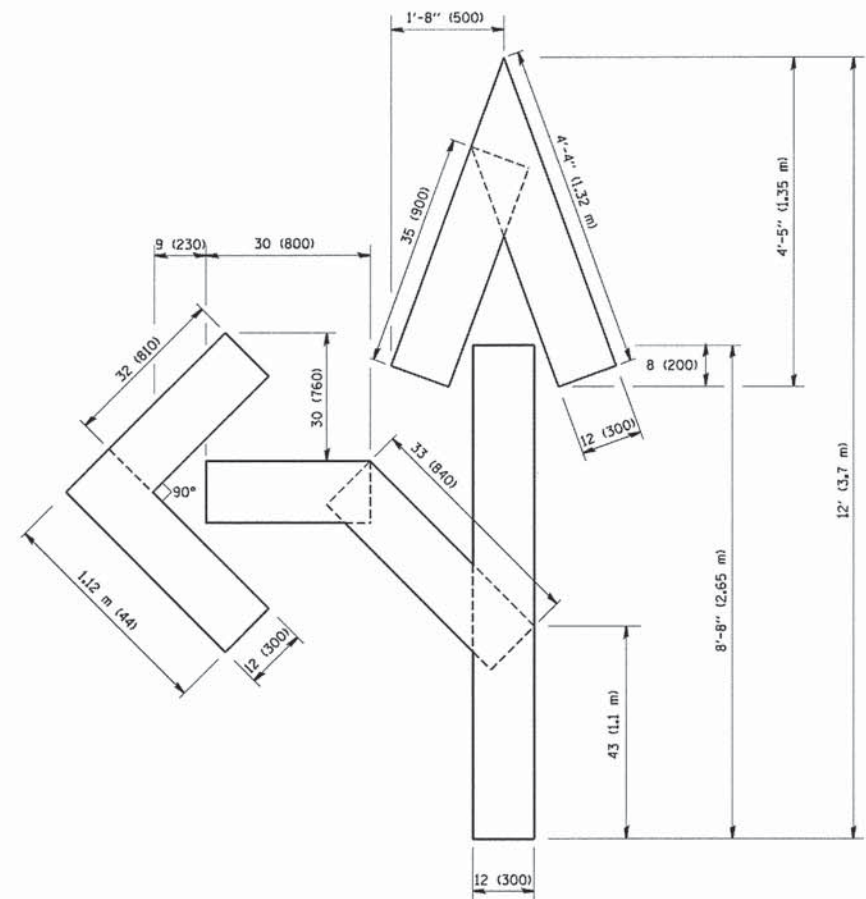
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE			
TYPICAL PAVEMENT MARKINGS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

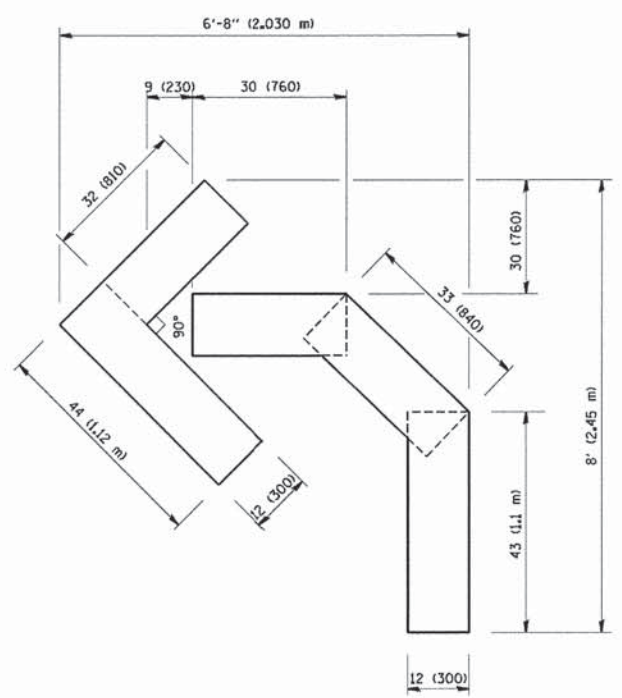
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343	15-00083-00-PV	COOK	60	51
TC-13		CONTRACT NO. 61C26		
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT M-4003(579)				



QUANTITY
 4 (100) LINE = 64.1 ft. (19.7 m)
 21.1 sq. ft. (1.97 sq. m)



QUANTITY
 4 (100) LINE = 82.5 ft. (25.3 m)
 27.5 sq. ft. (2.53 sq. m)



QUANTITY
 4 (100) LINE = 45.5 ft. (13.9 m)
 15.2 sq. ft. (1.39 sq. m)

All dimensions are in inches (millimeters) unless otherwise shown.

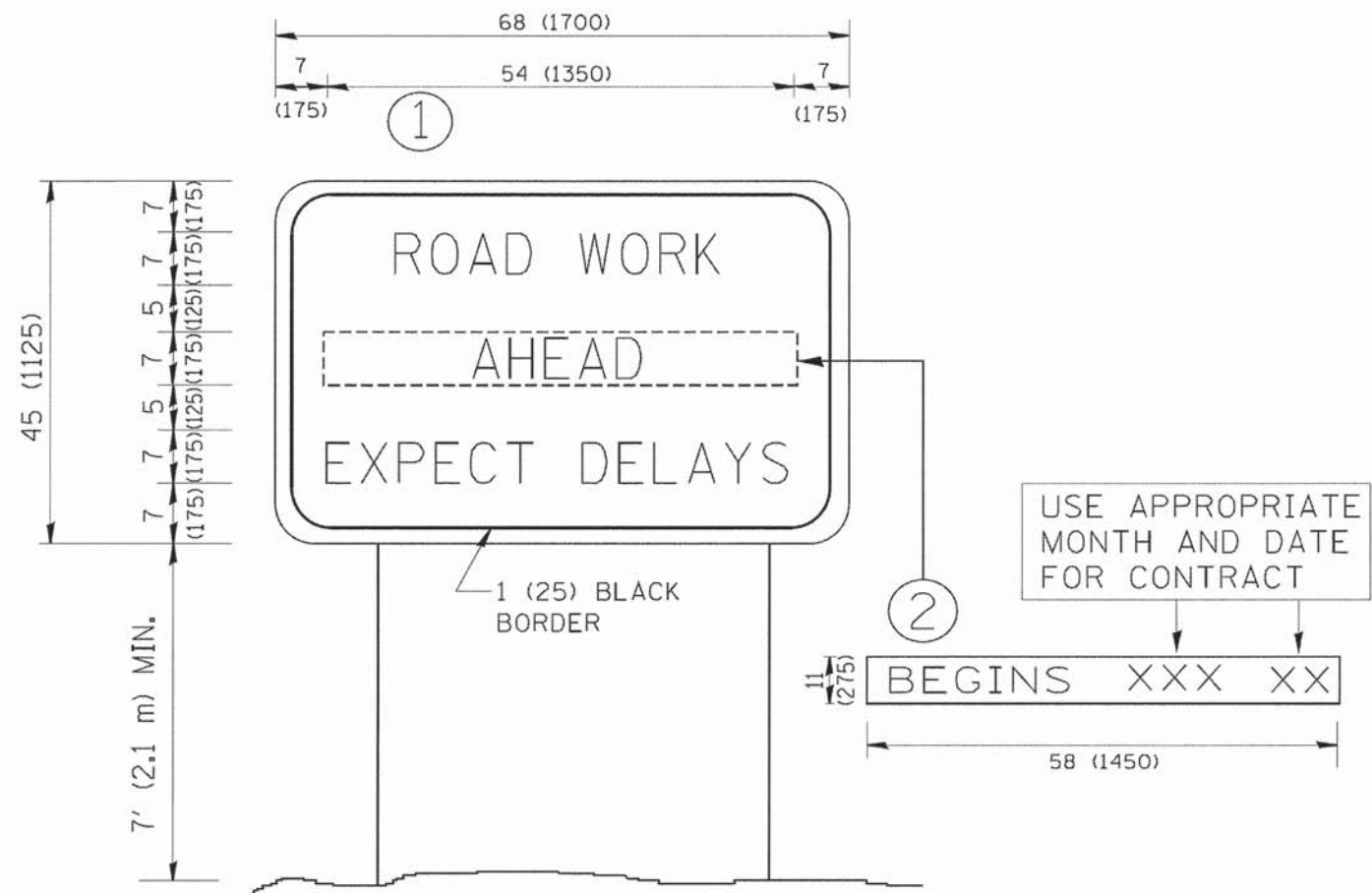
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PLOT DATE = 1/4/2008	DATE = 09-18-94	REVISED - REVISED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING			
SCALE: NONE	SHEET NO. 1	OF 1 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	15-00083-00-PV	COOK	60	52
TC-16			CONTRACT NO. 61C26	
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT M-4003(579)				



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ARTERIAL ROAD INFORMATION SIGN			
SCALE: NONE	SHEET NO. 1	OF 1 SHEETS	STA. TO STA.

F.A.P. RTE. 343	SECTION 15-00083-00-PV	COUNTY COOK	TOTAL SHEETS 60	SHEET NO. 53
TC-22			CONTRACT NO. 61C26	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-4003(579)				



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

NOTES:

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK; ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

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 USER NAME = gaglianobts
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 CHECKED -
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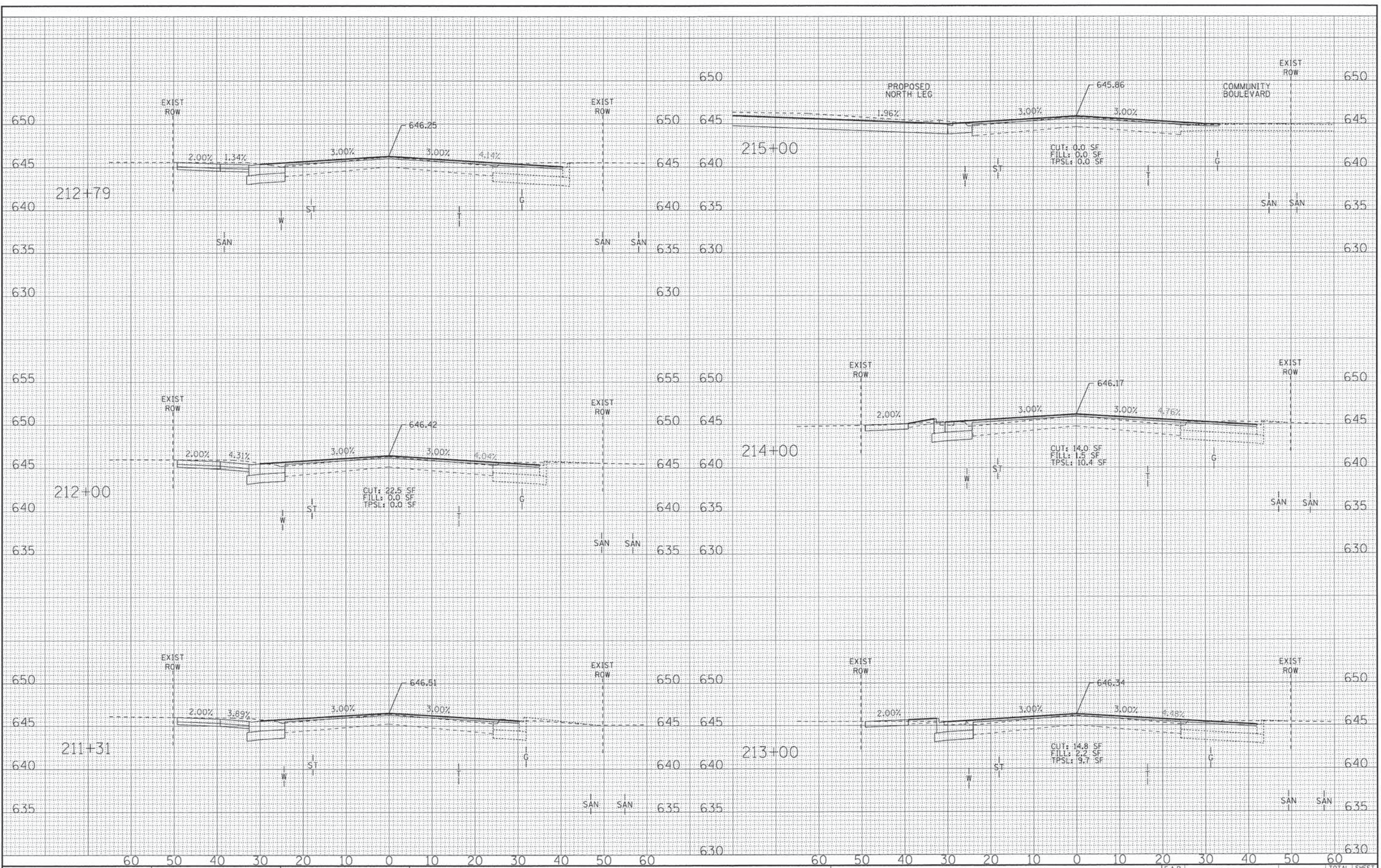
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	PLOT DATE = 12/13/2012	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

DRIVEWAY ENTRANCE SIGNING			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	15-00083-00-PV	COOK	60	54
TC-26			CONTRACT NO. 61C26	
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT M-4003(579)				

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 PROJECT NO. 15-00083-00-PV
 DATE 12/1/2015



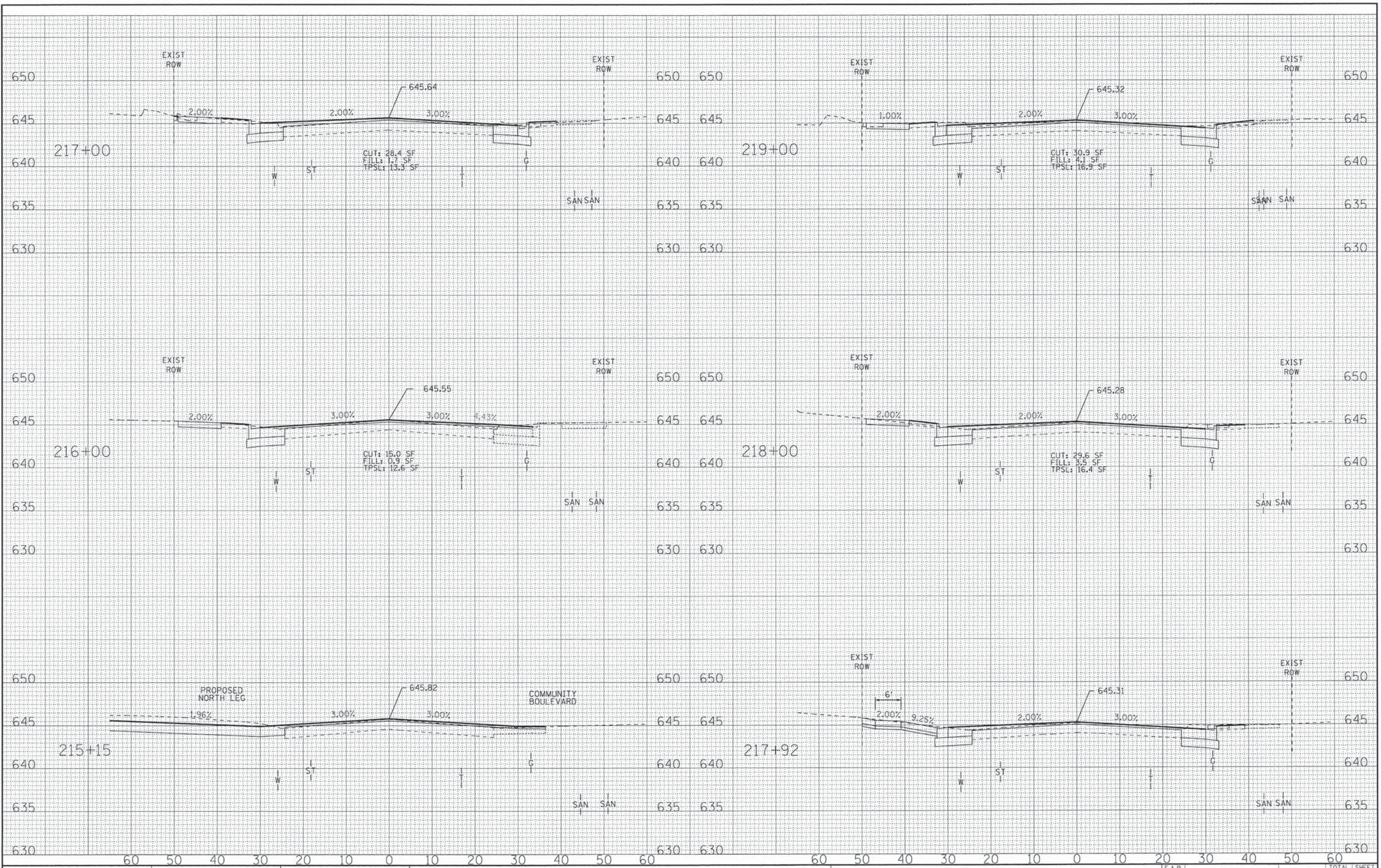
BAXTER & WOODMAN
Consulting Engineers

DESIGNED -	DSH	REVISED -	
DRAWN -	CJC	REVISED -	
CHECKED -	TLH	REVISED -	
DATE -	12-04-15	FILE -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL RTE 68 (DUNDEE ROAD)
 SCALE: H: 1"=10' V: 1"=5'
 STA. 211+31 TO STA. 215+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	15-00083-00-PV	COOK	60	56
FED. ROAD DIST. NO. 1 [ILLINOIS]			CONTRACT NO.	
			M-4003(579)	



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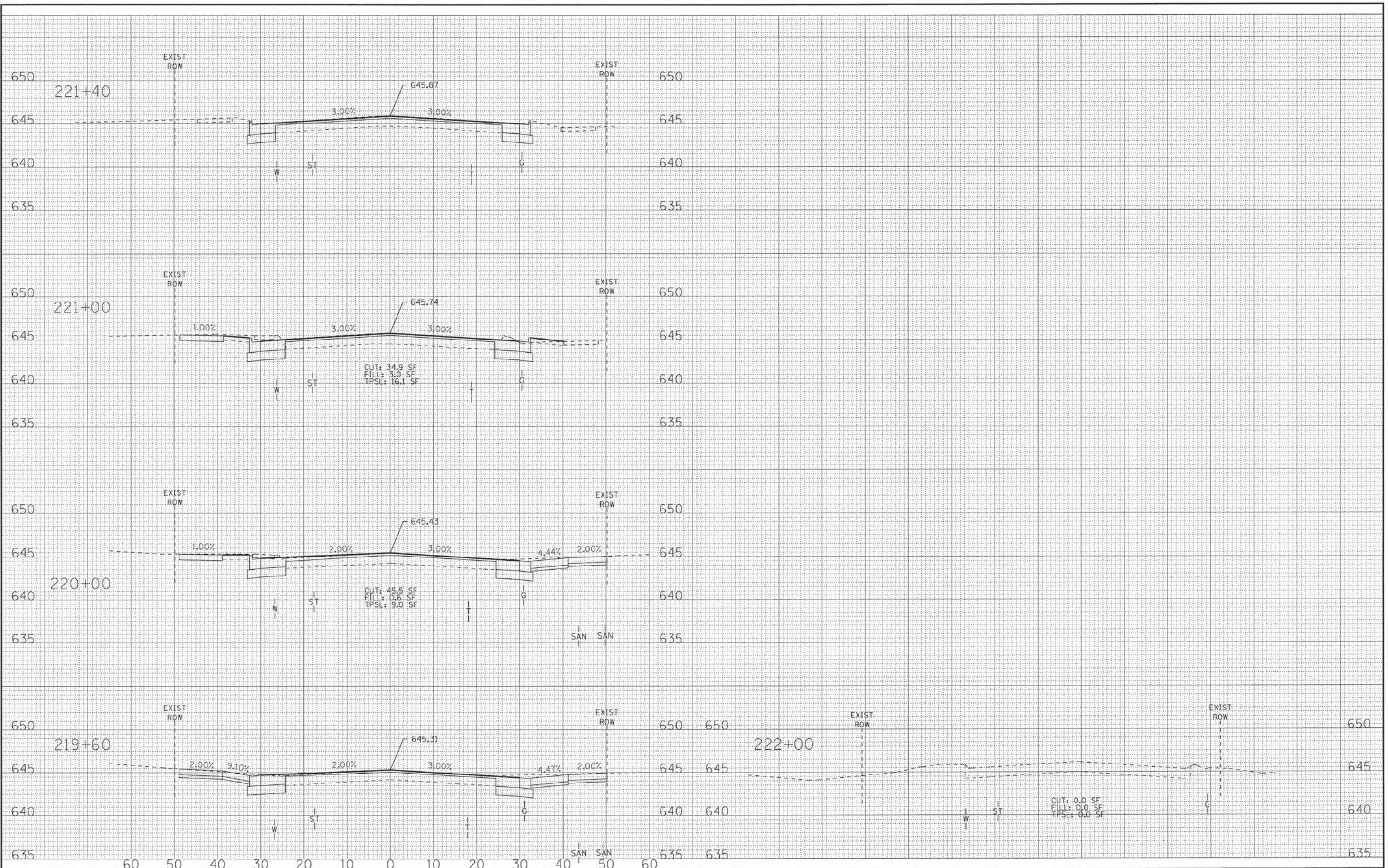
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DATE -	12-04-15	FILE -	

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL RTE 68 (DUNDEE ROAD)
 SCALE: H: 1"=10' V: 1"=5'
 STA. 215+15 TO STA. 219+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	15-00083-00-PV	COOK	60	57
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT M-400315791			CONTRACT NO.	

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 LICENSE NO. 98-00071 - EXPIRES 4/30/2025
 PROJECT: ILLINOIS STATE ROUTE 68, DUNDEE ROAD
 SHEET: 58 OF 60



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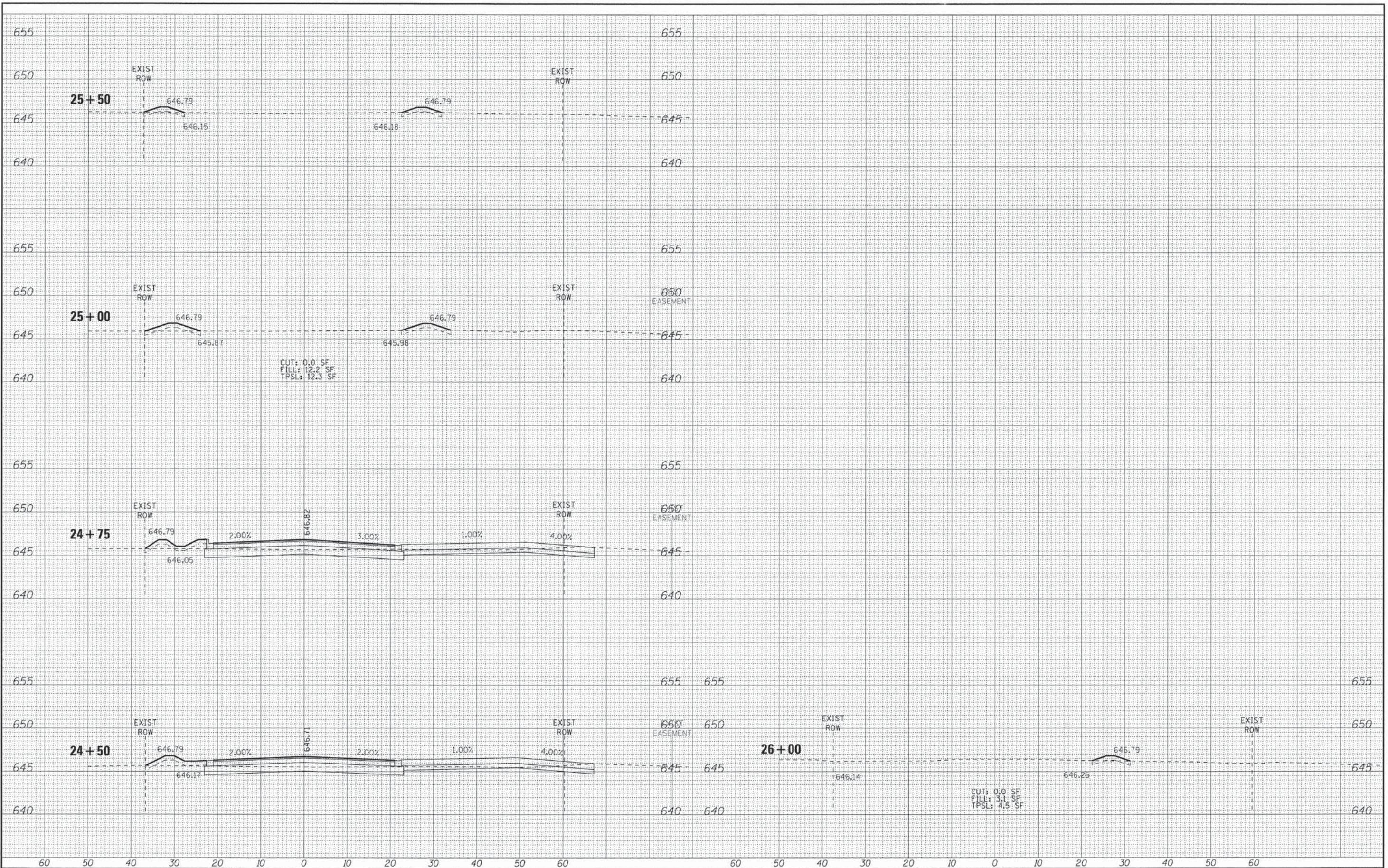
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL RTE 68 (DUNDEE ROAD)
 SCALE: H: 1"=10' V: 1"=5'
 STA. 219+60 TO STA. 222+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	15-00083-00-PV	COOK	60	58
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-400315791			CONTRACT NO.	

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Consulting Engineers

DESIGNED - DSH	REVISED -
DRAWN - CJC	REVISED -
CHECKED - TLH	REVISED -
DATE - 12-04-15	FILE -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
COMMUNITY BLVD

SCALE: H: 1"=10' V: 1"=5'
STA. 24+50 TO STA. 26+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
* 343	15-00083-00-PV	COOK	60	60
CONTRACT NO.				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-400315791				