

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR INDEX OF HIGHWAY STANDARDS, SEE SHEET NO. 2

PROJECT LOCATED IN THE CITY OF WOOD DALE

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
**PLANS FOR PROPOSED
 FEDERAL AID PROJECT**
 FAU ROUTE 2652 (WOOD DALE ROAD)
 MURRAY DR TO MITTEL DR
 FAU ROUTE 2642 (ADDISON ROAD)
 W POTTER ST TO W POTTER ST
PEDESTRIAN CROSSING IMPROVEMENTS
 SECTION 13-00049-00-SG
 PROJECT NO.: M-4003(227)
 CITY OF WOOD DALE
 DUPAGE COUNTY
 C-91-025-14

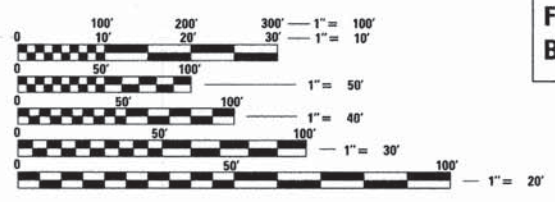
F.A.U. RTE. 2652/2642	SECTION 13-00049-00-SG	COUNTY DUPAGE	TOTAL SHEETS 28	SHEET NO. 1
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED AID PROJECT M-4003(227)	
CONTRACT 61A16				

TRAFFIC DATA

WOOD DALE ROAD
 POSTED SPEED LIMIT = 30 - 40 MPH
 2014 ADT = 13,365 VPD

ADDISON ROAD
 POSTED SPEED LIMIT = 35 MPH
 2014 ADT = 12,140 VPD

DESIGN DESIGNATION
 MINOR ARTERIAL



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. A2032168-00A



CONTACT JULIE AT 811 OR 800-892-0123 WITH THE FOLLOWING:
 COUNTY = DUPAGE
 CITY-TWNSHP. = WOOD DALE
 SEC. & 1/4 SEC. NO. = 9 NE & SE, 10 SW & NE, 15 SW, 16 NW T. 40N R 11E
 48 HOURS (2 working days) BEFORE YOU DIG

CONTRACT NO. 61A16

FAU 2652 WOOD DALE ROAD
 (AT MITTEL DRIVE)
 END OMISSION STA 89+48

FAU 2652 WOOD DALE ROAD
 (AT SCHOOL ST / FOSTER AVE)
 END OMISSION STA 70+77

FAU 2652 WOOD DALE ROAD
 BEGIN OMISSION STA 66+73

FAU 2642 ADDISON ROAD
 (AT POTTER STREET)
 END PROJECT STA 207+33

FAU 2642 ADDISON ROAD
 (AT POTTER STREET)
 BEGIN PROJECT STA 190+65

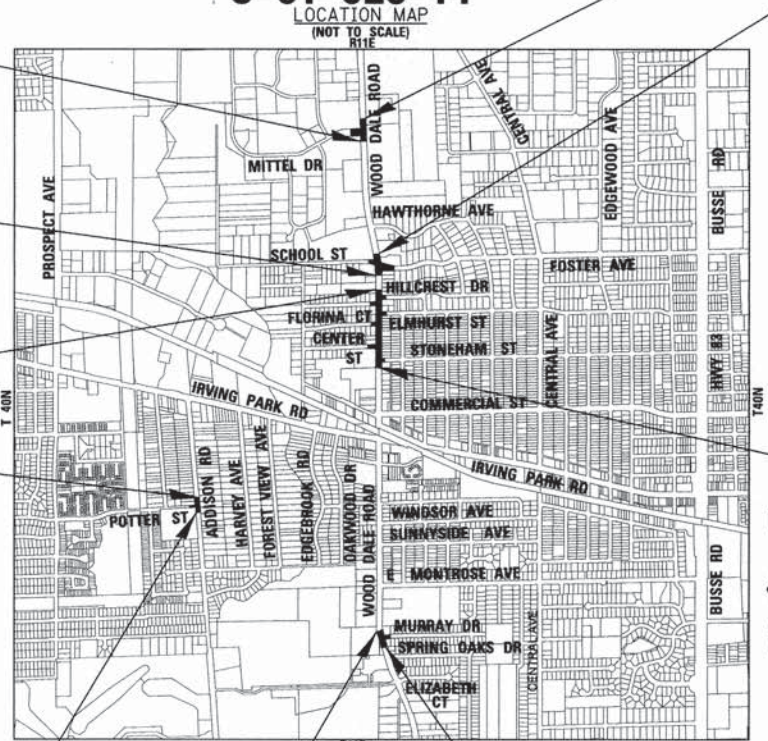
FAU 2652 WOOD DALE ROAD
 (AT MURRAY DRIVE)
 BEGIN OMISSION STA 15+00

FAU 2652 WOOD DALE ROAD
 (AT MURRAY DRIVE)
 BEGIN PROJECT STA 3+99

FAU 2652 WOOD DALE ROAD
 (AT MITTEL DRIVE)
 END PROJECT STA 96+96

FAU 2652 WOOD DALE ROAD
 (AT SCHOOL ST / FOSTER AVE)
 BEGIN OMISSION STA 75+85

FAU 2652 WOOD DALE ROAD
 END OMISSION STA 51+70



THE THIRD PRINCIPAL MERIDIAN
 ADDISON TOWNSHIP
 GROSS LENGTH OF IMPROVEMENT = 10,965 LF OR 2.077 MILES
 NET LENGTH OF IMPROVEMENT = 5,528 LF OR 1.047 MILES
 LENGTH OF OMISSION = 5,437 LF OR 1.030 MILES



STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

APPROVED *Matthew York*, 3/19/14
 Director of Public Works
 CITY OF WOOD DALE

PASSED *John F. ...*, APRIL 4, 2014
 DISTRICT 1 ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID
 BASED ON LIMITED
 REVIEW *John F. ...*, April 4, 2014
 DEPUTY DIRECTOR OF
 HIGHWAYS, REGION 1 ENGINEER

PRINTED BY THE AUTHORITY
 OF THE STATE OF ILLINOIS

BAXTER & WOODMAN
 Consulting Engineers

THOMAS M. SLATTERY
 LICENSED PROFESSIONAL ENGINEER
 PROJECT MANAGER
 LICENSE EXPIRES 11-30-2015

B&W PROJECT NO.: 130530

GENERAL NOTES

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE DETAILS IN THE PLANS, THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS, AND THE LATEST EDITION OF THE FOLLOWING STATE OF ILLINOIS SPECIFICATIONS: "THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (REFERRED TO AS THE "STANDARD SPECIFICATIONS"), THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", AND THE "MANUAL OF TEST PROCEDURES FOR MATERIALS".
- THE LOCATIONS OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND THE ENGINEER DOES NOT GUARANTEE THEIR ACCURACY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES, INCLUDING SPRINKLER SYSTEMS, EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS.
- THE CONTRACTOR SHALL NOTIFY THE CITY PUBLIC WORKS ADMINISTRATOR AT LEAST 48 HOURS IN ADVANCE OF BEGINNING WORK TO OBTAIN CITY UTILITY LOCATIONS.
- THE CONTRACTOR MAY OBTAIN MUNICIPAL WATER IN BULK, AT NO CHARGE, AS LONG AS THERE IS NOT A "WATERING BAN" IN EFFECT. THE INDISCRIMINATE USE OF FIRE HYDRANTS IS STRICTLY PROHIBITED. WATER FOR CONSTRUCTION SHALL BE METERED OR OTHERWISE ACCOUNTED FOR AND A DAILY LOG MAINTAINED. THE CONTRACTOR SHALL PROVIDE THE WATER TRUCK AND DRIVER REQUIRED TO OBTAIN AND TRANSPORT THIS WATER. THE CITY RESERVES THE RIGHT TO RESTRICT OR REFUSE THE USE OF CITY WATER IF DEEMED NECESSARY.
- IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY RESIDENTS AND THE ENGINEER WHEN ACCESS TO THEIR DRIVEWAYS WILL BE TEMPORARILY CLOSED DUE TO CURB AND GUTTER AND/OR DRIVEWAY REPLACEMENT. THE CONTRACTOR SHALL DISTRIBUTE NOTICES PROVIDED BY THE CITY TO RESIDENTS AT LEAST 24 HOURS PRIOR TO PLANNED CLOSURE. EVERY EFFORT SHALL BE MADE TO ACCOMMODATE ACCESS TO THESE PROPERTIES INCLUDING KNOCKING ON DOORS WHEN DRIVEWAYS ARE ABOUT TO BE CLOSED.
- THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SANDBAGS ON EACH TYPE I OR TYPE II BARRICADE USED. ONE (1) WEIGHTED SANDBAG SHALL BE PLACED ACROSS EACH BOTTOM RAIL.
- PORTLAND CEMENT CONCRETE SIDEWALK SHALL BE THICKENED TO 6-INCHES AT LOCATIONS WHERE THE SIDEWALK CROSSES RESIDENTIAL DRIVEWAYS AND 8-INCHES WHERE THE SIDEWALK CROSSES COMMERCIAL DRIVEWAYS. TRANSVERSE EXPANSION JOINTS 3/4" SHALL BE PLACED EVERY 50 FEET OR AS DETERMINED BY THE ENGINEER. TRANSVERSE CONTRACTION JOINTS SHALL BE PLACED EVERY 5- FEET.
- A 1/2-INCH THICK EXPANSION JOINT SHALL BE PROVIDED AT THE JUNCTION OF THE DRIVEWAY APRON AND CURB, AND AT THE JUNCTION OF THE DRIVEWAY APRON AND THE SIDEWALK. THIS WORK WILL BE INCLUDED IN THE COST OF PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT.
- THE CONTRACTOR SHALL CONTACT THE LOCAL AGENCY MATERIAL INSPECTOR AT LEAST 48 HOURS PRIOR TO ANY CONCRETE OR HOT-MIX ASPHALT MATERIAL DELIVERIES.
- DETECTABLE WARNINGS SHALL BE CONSTRUCTED WITH THE INSTALLATION OF A CAST-IN-PLACE 24" X 60" NOMINAL PANEL WIDTH. THE PANEL SHALL BE A POLYMER COMPOSITE AND COMPLY WITH ADA REQUIREMENTS. THE DOMES LOCATED ON THE PANEL SHALL PARALLEL THE PAVEMENT CROSS WALK WITH THE CLOSEST EDGE LOCATED AT THE BACK OF CURB. THE PANEL COLOR SHALL BE SELECTED BY THE CITY. INSTALLATION SHALL OCCUR IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
- IN AREAS WHERE THE EXISTING DRIVEWAY, SIDEWALK, OR CURB AND GUTTER IS TO BE REMOVED AND REPLACED, THE REMOVAL AND DISPOSAL OF ANY ADDITIONAL MATERIAL REQUIRED TO ESTABLISH THE PROPOSED DRIVEWAY, SIDEWALK, OR CURB AND GUTTER SUBGRADE ELEVATION SHALL BE INCLUDED IN THE REMOVAL PAY ITEMS.
- THE CURB SHALL BE TAPERED TO THE GUTTER IN A FIVE (5) FOOT LENGTH WHEREVER THE CURB AND GUTTER TERMINATES, WITH AN EXPANSION JOINT PLACED AT THE START OF THE TAPER.
- ALL POSTS, RAILROAD TIES, AND DECORATIVE TIMBER IN CONFLICT WITH THE PROPOSED IMPROVEMENTS SHALL BE REMOVED AND RELOCATED AS DETERMINED BY THE ENGINEER AT THE TIME OF CONSTRUCTION AND SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION. EVERY EFFORT SHALL BE MADE BY THE CONTRACTOR WHEN REMOVING THESE ITEMS TO PRESERVE THEM FROM HARM. ITEMS NOT RELOCATED SHALL BE PROPERLY DISPOSED OF BY THE CONTRACTOR.
- FURNISHED EXCAVATION FROM AN OFF-SITE LOCATION, IF NECESSARY, SHALL BE INCLUDED IN THE ITEM EARTH EXCAVATION.
- THE CONTRACTOR SHALL PROVIDE SOIL TESTING AND PROFESSIONAL ENGINEERING SERVICES AS NECESSARY FOR DISPOSAL OF MATERIAL WHICH INCLUDES: CERTIFYING SOILS ARE UNCONTAMINATED AND WITHIN PH OF 6.25 TO 9.0, COMPLETION OF IEPA FORM LPC-663 BY A LICENSED P.E., AND ADDITIONAL ANALYTICAL TESTING REQUIRED BY THE DISPOSAL SITE AND/OR ENGINEER. THE ENGINEER SHALL BE PROVIDED COPIES OF ALL TEST RESULTS AND CERTIFICATIONS (INCLUDING LPC-663), BASED ON PRELIMINARY SCREENING OF THE AREA, THE PROJECT SITE, TO THE OWNERS KNOWLEDGE, HAS NOT BEEN USED FOR COMMERCIAL OR INDUSTRIAL PURPOSES. IF MATERIAL IS TAKEN TO AN IEPA APPROVED FILL SITE, THE CONTRACTOR IS RESPONSIBLE FOR THE TESTING REQUIRED BY THE SITE. PID OR FID READINGS ARE NOT ACCEPTABLE RESULTS FOR CLASSIFYING THE MATERIAL. IF REJECTED, ANALYTICAL TESTING SHALL BE PERFORMED IN ACCORDANCE WITH ARTICLE 669.08. IF MATERIAL IS UNCONTAMINATED, IT SHALL BE REMOVED AND DISPOSED OF IN ACCORDANCE WITH THE APPROPRIATE PAY ITEM. IF THE MATERIAL IS CLASSIFIED AS NON-SPECIAL WASTE, THE CONTRACTOR SHALL REUSE THE MATERIAL ON SITE AT NO ADDITIONAL COST. IF ON-SITE USE IS NOT FEASIBLE, DISPOSAL SHALL BE PAID FOR ACCORDING TO ARTICLE 109.04. ALL ADDITIONAL CERTIFICATIONS AND ANALYSIS COMPLETED BY THE CONTRACTOR SHALL BE INCLUDED IN THE COST OF THE CONTRACT.
- A VERTICAL REFLECTIVE STRIP SHALL BE ADDED TO ALL NEW SIGNAGE POSTS AND SUPPORTS AS APPLICABLE. THE COST OF THE STRIP SHALL BE INCLUDED IN THE NEW SIGN PAY ITEM.

HIGHWAY STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-07	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-01	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-01	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424016-01	MID-BLOCK CURB RAMPS FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
606001-05	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701427-02	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≤ 40 MPH
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701602-07	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701606-09	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-09	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-05	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-03	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
720021-02	SIGN PANELS EXTRUDED ALUMINUM TYPE
728001-01	TELESCOPING STEEL SIGN SUPPORT
780001-04	TYPICAL PAVEMENT MARKINGS
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
876001-03	PEDESTRIAN PUSH BUTTON POST
878001-09	CONCRETE FOUNDATION DETAILS
880001-01	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS

CONSTRUCTION SEQUENCE

ADDISON ROAD AT POTTER STREET AND WOOD DALE ROAD AT MURRAY DRIVE
 CONSTRUCTION IS ADJACENT TO SCHOOLS AND INTENDED TO IMPROVE STUDENT ACCESS AND VISIBILITY.
 CONSTRUCTION IS EXPECTED TO BEGIN IN AUGUST 2014 WHEN THE NEW SCHOOL YEAR BEGINS.
 CONSTRUCTION SHALL BEGIN AT THESE LOCATIONS AND BE COMPLETED AS SOON AS POSSIBLE.
 COORDINATION IS ANTICIPATED WITH THE CITY AND SCHOOL DISTRICT TO ENSURE THE IMPROVEMENTS CAN BE COMPLETED AS SOON AS POSSIBLE.

WOOD DALE ROAD BETWEEN STONEHAM STREET AND MITTEL DRIVE
 CONSTRUCTION CAN BEGIN AT THESE LOCATIONS AFTER RELATED WORK AT ADDISON ROAD AT POTTER STREET AND WOOD DALE ROAD AT MURRAY DRIVE IS COMPLETE

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BENCHMARKS

BM #1170	SOUTHEAST BONNET ARROW BOLT ON FIRE HYDRANT ON EAST SIDE OF ADDISON RD AT POTTER STREET ELEVATION = 691.94
BM #1638	SOUTHWEST FLANGE BOLT ON FIRE HYDRANT ON EAST SIDE OF WOOD DALE ROAD AT MURRAY DRIVE ELEVATION = 707.24
BM #2022	SOUTHWEST ARROW BONNET BOLT ON FIRE HYDRANT AT NORTHWEST CORNER OF WOOD DALE ROAD AND CENTER STREET ELEVATION = 700.74
BM #2407	NORTHEAST ARROW BONNET BOLT ON FIRE HYDRANT AT SOUTHWEST CORNER OF WOOD DALE ROAD AND FLORINA COURT ELEVATION = 707.69
BM #2629	SOUTHEAST ARROW BONNET BOLT ON FIRE HYDRANT AT SOUTHWEST CORNER OF WOOD DALE ROAD AND FOREST GLEN ROAD ELEVATION = 709.40
BM #2777	EAST ARROW BONNET BOLT ON FIRE HYDRANT ON EAST SIDE OF WOOD DALE ROAD JUST NORTH OF FOSTER AVENUE ELEVATION = 711.93
BM #2780	BCM ON EAST SIDE OF WOOD DALE ROAD JUST NORTH OF FOSTER AVENUE NEXT TO SCHOOL DRIVE DUPAGE COUNTY BM #0016 ELEVATION = 708.65
BM #3107	FIRE HYDRANT ON EAST SIDE OF WOOD DALE ROAD JUST NORTH OF MITTEL DRIVE SOUTH EAST BONNET ARROW BOLT ELEVATION 712.96

DATUM IS NAVD88

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 LICENSE NO. - 184-00121 - EXPIRES 8/31/2015
 560607

BAXTER & WOODMAN
Consulting Engineers

DESIGNED - JDM	REVISED - DC DOT/IDOT 3-17-14
DRAWN - CJC	REVISED -
CHECKED - MWP	REVISED -
DATE - 12/06/13	FILE - 130530-Cntes.sht

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

GENERAL NOTES, HIGHWAY STANDARDS, INDEX TO SHEETS, CONSTRUCTION SEQUENCE AND BENCHMARKS

SCALE: NONE

STA.

TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652/2642	13-00049-00-SG	DUPAGE	28	2
CONTRACT NO. 61A16				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES				URBAN	CONSTRUCTION TYPE CODE
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	0021 QUANTITY	
20200100	EARTH EXCAVATION	CU YD	90	90	
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	149	149	
21101625	TOPSOIL FURNISH AND PLACE, 6"	SQ YD	667	667	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	17	17	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	17	17	
25200100	SODDING	SQ YD	667	667	
25200200	SUPPLEMENTAL WATERING	UNIT	14	14	
# 30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	20	20	
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	722	722	
# 40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	47	47	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	137	137	
# 40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	44	44	
# 40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	16	16	
42001300	PROTECTIVE COAT	SQ YD	651	651	
# 42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	3,762	3,762	
# 42400800	DETECTABLE WARNINGS	SQ FT	290	290	
44000600	SIDEWALK REMOVAL	SQ FT	4,045	4,045	
# 44201759	CLASS D PATCHES, TYPE IV, 9 INCH	SQ YD	130	130	
# 60600605	CONCRETE CURB, TYPE B	FOOT	85	85	
67100100	MOBILIZATION	L SUM	1	1	
# 70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1	
# 70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	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	
# 72000100	SIGN PANEL - TYPE 1	SQ FT	312	312	
72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	17	17	
72400310	REMOVE SIGN PANEL - TYPE 1	SQ FT	92	92	
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	220	220	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	80	80	
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	5	5	
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1,008	1,008	
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	127	127	
78300100	PAVEMENT MARKING REMOVAL	SQ FT	1,302	1,302	
* # 80400200	ELECTRIC UTILITY SERVICE CONNECTION	L SUM	1	1	

* INDICATES SPECIALTY ITEM
INDICATES SPECIAL PROVISION AND/OR GENERAL NOTE AND/OR DETAIL
\$ INDICATES CONSTRUCTION CODE 0042 TRAINEES

SUMMARY OF QUANTITIES				URBAN	CONSTRUCTION TYPE CODE
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	0021 QUANTITY	
* # 80500300	SERVICE INSTALLATION, TYPE C	EACH	4	4	
* # 81028170	UNDERGROUND CONDUIT, GALVANIZED STEEL, 1" DIA.	FOOT	415	415	
* # 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	20	20	
* # 81702450	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 10	FOOT	775	775	
* # 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	3	3	
* 87301115	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 12 2C	FOOT	1,159	1,159	
* 87301125	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 12 3C	FOOT	911	911	
* 87500600	TRAFFIC SIGNAL POST, 10 FT.	EACH	1	1	
* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	4	4	
* 87900200	DRILL EXISTING HANDHOLE	EACH	1	1	
* 88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	10	10	
* 88800100	PEDESTRIAN PUSH-BUTTON	EACH	14	14	
* 89502200	MODIFY EXISTING CONTROLLER	EACH	3	3	
# * 89502400	REMOVE EXISTING FLASHING BEACON INSTALLATION COMPLETE	EACH	4	4	
# Z0004562	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	920	920	
# Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
# Z0017400	DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED	EACH	9	9	
# Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	494	494	
* # Z0033039	DISCONNECT AND RECONNECT ELECTRIC SERVICE	EACH	3	3	
* # Z0033058	POST MOUNTED FLASHING BEACON INSTALLATION (SPECIAL)	EACH	4	4	
* # X0326865	POST MOUNTED FLASHING BEACON INSTALLATION	EACH	4	4	
# X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	458	458	
# X8026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	2	2	
# * X8100863	INTERCEPT EXISTING CONDUIT	EACH	4	4	
# * X8950307	REMOVE EXISTING PEDESTRIAN SIGNAL HEAD	EACH	6	6	
# * X0008197	REMOVE EXISTING PEDESTRIAN PUSH BUTTON	EACH	8	8	
* # X0008910	PAVEMENT MARKING (SPECIAL)	SQ FT	1,976	1,976	

* INDICATES SPECIALTY ITEM
INDICATES SPECIAL PROVISION AND/OR GENERAL NOTE AND/OR DETAIL
\$ INDICATES CONSTRUCTION CODE 0042 TRAINEES

CPD No. 2014 BY BAXTER & WOODMAN, INC. ...
LICENSE No. 184-001021 EXPIRES 4/30/2015
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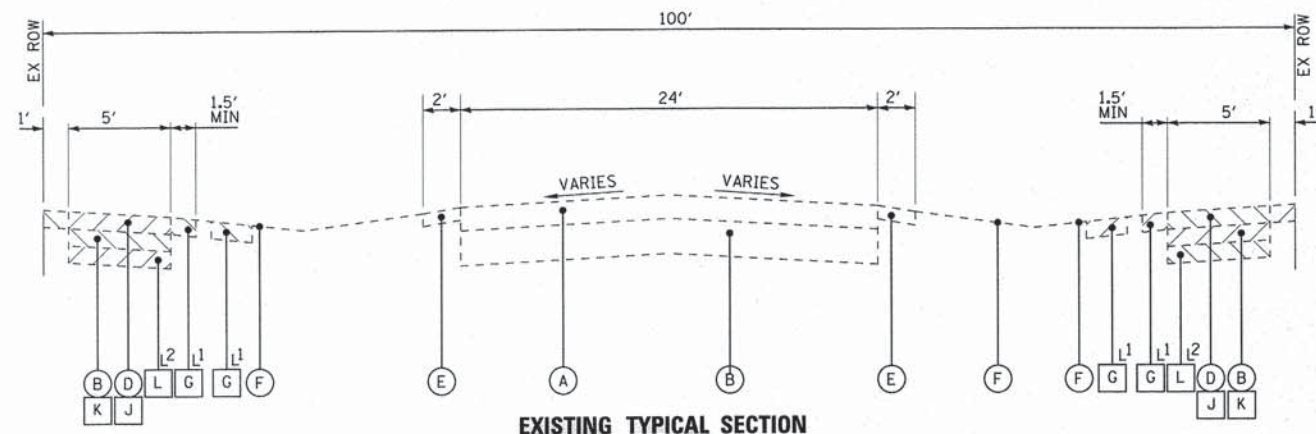
DESIGNED - JDM	REVISED - DC DOT/IDOT 3-17-14
DRAWN - CJC	REVISED - CITY 4-14-14
CHECKED - MWP	REVISED -
DATE - 12/06/13	FILE - 130530-500.sh#

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

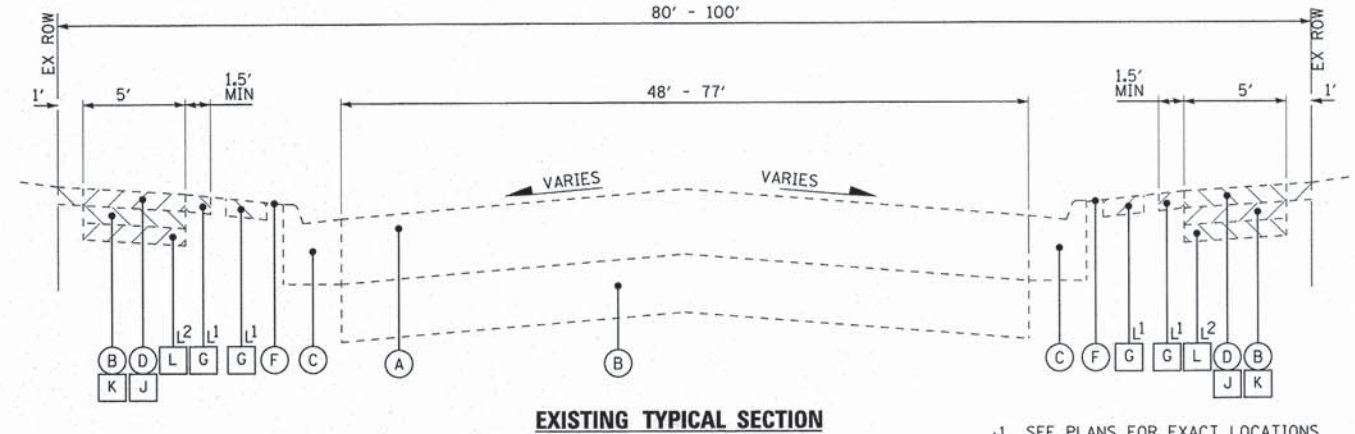
SUMMARY OF QUANTITIES

SCALE: STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652/2642	13-00049-00-SG	DUPAGE	28	3
CONTRACT NO. 61A16			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

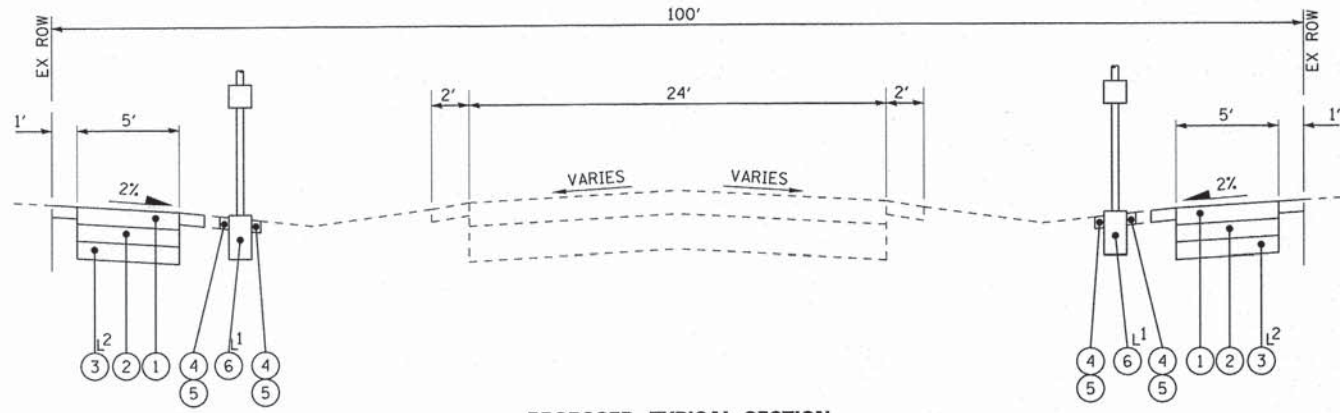


EXISTING TYPICAL SECTION
STA 3+99 TO STA 19+00, WOOD DALE ROAD

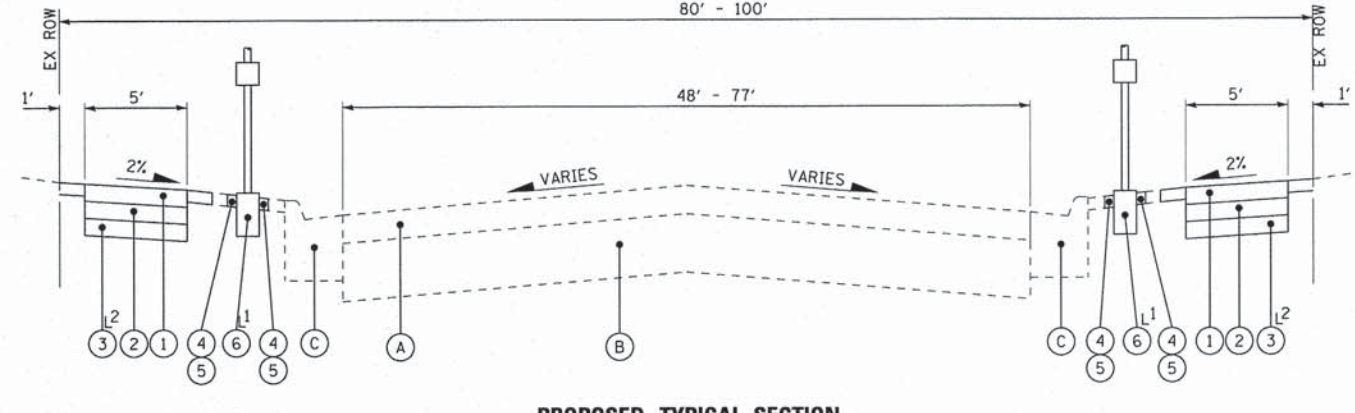


EXISTING TYPICAL SECTION
STA 190+65 TO STA 207+33, ADDISON ROAD
STA 19+00 TO STA 96+96, WOOD DALE ROAD

L1 SEE PLANS FOR EXACT LOCATIONS
L2 AS REQUIRED



PROPOSED TYPICAL SECTION
STA 3+99 TO STA 19+00, WOOD DALE ROAD



PROPOSED TYPICAL SECTION
STA 190+65 TO STA 207+33, ADDISON ROAD
STA 19+00 TO STA 96+96, WOOD DALE ROAD

L1 SEE PLANS FOR EXACT LOCATIONS
L2 AS REQUIRED

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE TYPE	AIR VOIDS @ Ndes	
PAVEMENT RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm); 1 1/2"	4% @ 50 GYR	QC/QA
LEVELING BINDER (MACHINE METHOD), N50; 3/4" MIN	4% @ 50 GYR	QC/QA
INCIDENTAL HOT-MIX ASPHALT SURFACING		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5mm); 3"	4% @ 50 GYR	QC/QA
PAVEMENT PATCHING		
CLASS D PATCHES (HMA BINDER IL-19mm), 9"	4% @ 70 GYR	QC/QA
(QMP) OPTIONS: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA); QUALITY CONTROL FOR PERFORMANCE (QCP); PAY FOR PERFORMANCE (PFP)		

THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112LB/SY-IN.
 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.
 FOR HMA FULL DEPTH "AC TYPE" SEE SPECIAL PROVISIONS
 FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.
 QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE

- EXISTING LEGEND**
- (A) EXISTING HOT-MIX ASPHALT SURFACE AND BINDER COURSE
 - (B) EXISTING AGGREGATE BASE COURSE
 - (C) EXISTING COMBINATION CONCRETE CURB AND GUTTER
 - (D) EXISTING SIDEWALK
 - (E) EXISTING AGGREGATE SHOULDER
 - (F) GROUND SURFACE
 - (G) REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (TOPSOIL)
 - (H) EARTH EXCAVATION
 - (J) SIDEWALK REMOVAL
 - (K) AGGREGATE BASE COURSE REMOVAL (INCLUDED IN EARTH EXCAVATION PAY ITEM)
 - (L) REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (UNDERCUT)
 - (Hatched Box) ITEM TO BE REMOVED

- PROPOSED LEGEND**
- (1) PORTLAND CEMENT CONCRETE SIDEWALK - 5 INCH
 - (2) AGGREGATE BASE COURSE, TYPE B - 4"
 - (3) AGGREGATE SUBGRADE IMPROVEMENT
 - (4) TOPSOIL FURNISH AND PLACE, 4"
 - (5) SODDING
 - (6) SIGNAGE

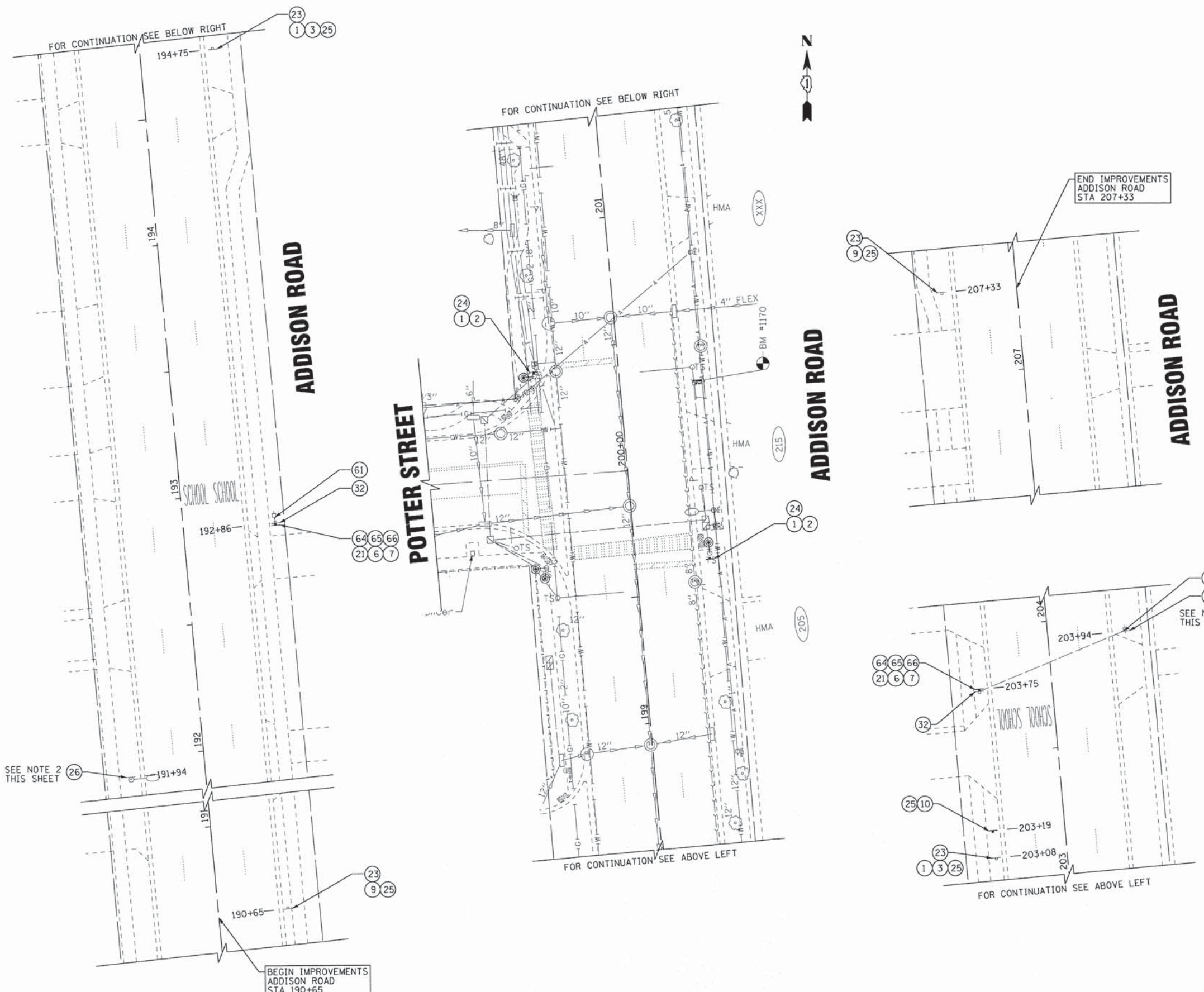
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BAXTER & WOODMAN Consulting Engineers	DESIGNED - JDM	REVISED - DC DOT/IDOT 3-17-14
	DRAWN - CJC	REVISED -
	CHECKED - MWP	REVISED -
	DATE - 12/06/13	FILE - 130530-Typ-Sect.shx

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SCALE: NONE	STA. TO STA.	2652/2642	13-00049-00-SG	DUPAGE	28	4
		CONTRACT NO. 61A16				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						

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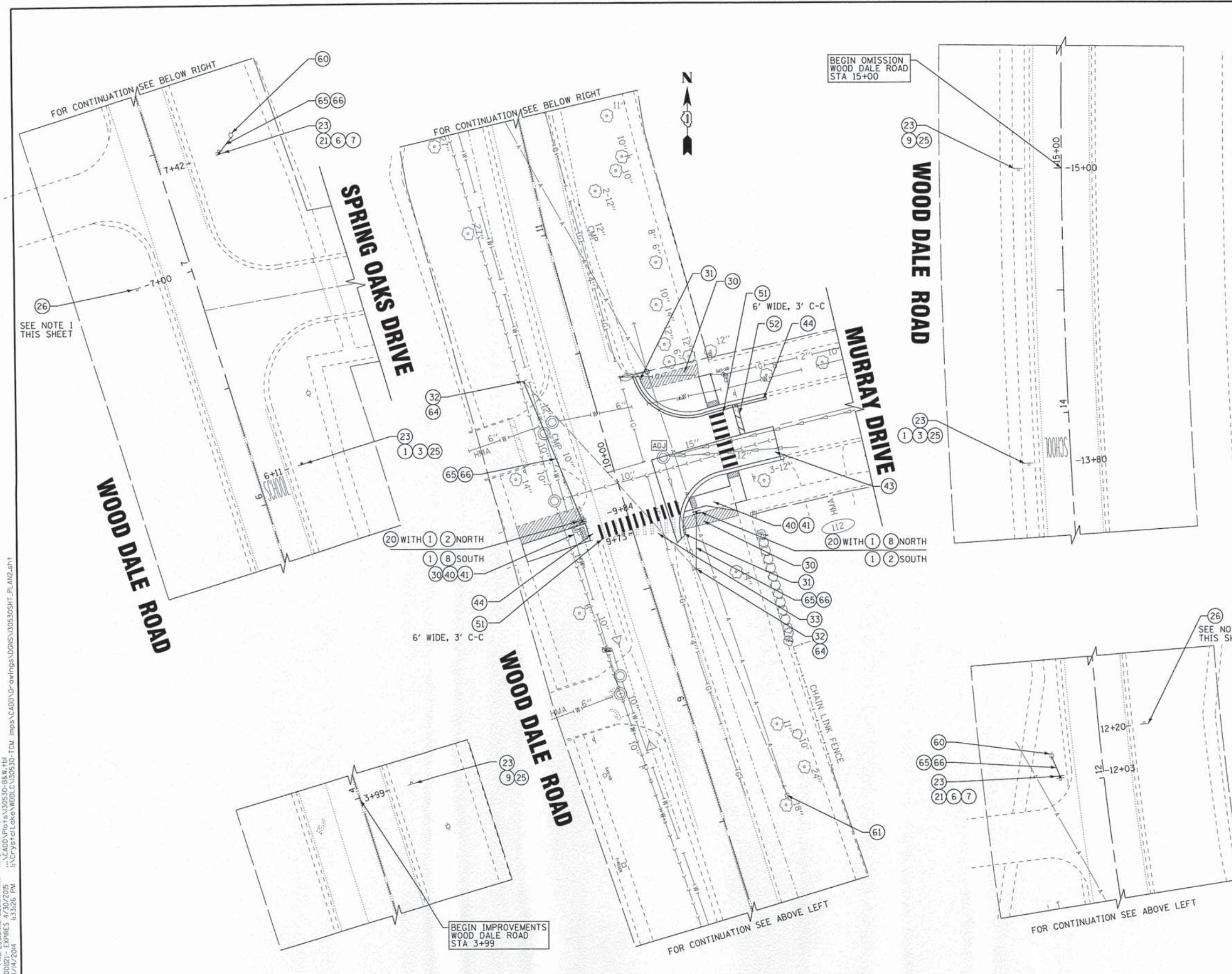
LEGEND	
1	W11-1 (FYG) 36" X 36"
2	W16-7P (FYG) 24" X 12"
3	AHEAD W16-9P (FYG) 24" X 12"
4	W16-6P (FYG) 24" X 12"
5	W11-2 (FYG) 36" X 36"
10	R8-3 24" X 24"
6	S4-I100 24" X 48"
7	R2-6P 24" X 18"
8	W16-7P (FYG) 24" X 12"
9	S4-5 (FYG) 36" X 36"
11	R10-15 24" X 24"

- 20 POST MOUNTED FLASHING BEACON INSTALLATION (SPECIAL)
- 21 POST MOUNTED FLASHING BEACON INSTALLATION
- 22 SIGN PANEL, TYPE 1
- 23 REMOVE SIGN PANEL ASSEMBLY
- 24 REMOVE SIGN PANEL - TYPE 1
- 25 TELESCOPING STEEL SIGN SUPPORT
- 26 EXISTING SIGNAGE TO REMAIN
- 30 SIDEWALK REMOVAL
- 31 COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT
- 32 REMOVE EXISTING FLASHING BEACON INSTALLATION COMPLETE
- 33 PAVEMENT MARKING REMOVAL
- 40 PORTLAND CEMENT CONCRETE SIDEWALK, 5-INCH
- 41 DETECTABLE WARNINGS
- 43 CLASS D PATCHES
- 44 INCIDENTAL HOT-MIX ASPHALT SURFACING
- 45 PAVEMENT MARKING (SPECIAL)
- 50 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
- 51 THERMOPLASTIC PAVEMENT MARKING - LINE 12"
- 52 THERMOPLASTIC PAVEMENT MARKING - LINE 24"
- 53 THERMOPLASTIC PAVEMENT MARKING - LINE 6"
- 60 SERVICE INSTALLATION, TYPE C EACH
- 64 INTERCEPT EXISTING CONDUIT
- 65 UNDERGROUND CONDUIT, GALVANIZED STEEL, 1" DIA.
- 66 ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 10

EXISTING ELEVATION +XX, OFFSET
 PROPOSED ELEVATION
NOTES:
 1. EXISTING R2-1 AND S5-2
 2. EXISTING S5-2

BAXTER & WOODMAN Consulting Engineers	DESIGNED - JDM	REVISED - DC DOT/IDOT 3-17-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		ROADWAY PLAN ADDISON ROAD AT POTTER STREET		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - CJC	REVISED - CITY 4-14-14					2652/2642	13-00049-00-SG	DUPAGE	28	5
	CHECKED - MWP	REVISED -									CONTRACT NO. 61A16
DATE - 12/06/13	FILE - 130530SHT_PLANI.sht					SCALE: 1" = 20'	STA.	TO STA.	FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT		

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 STATE OF ILLINOIS - PROFESSIONAL ENGINEERING
 LICENSE NO. - 384080-01
 PROJECT NO. - 130530SHT-PLAN2.sht
 DATE - 4/14/2014
 FILE - 130530SHT-PLAN2.sht



LEGEND	
①	S1-1 (FYG) 36" X 36"
②	W16-7P (FYG) 24" X 12"
③	AHEAD W16-9P (FYG) 24" X 12"
④	W16-6P (FYG) 24" X 12"
⑤	W11-2 (FYG) 36" X 36"
⑩	R8-3 24" X 24"
⑥	(FYG) S4-1100 24" X 48"
⑦	(FYG) R2-6P 24" X 18"
⑧	(FYG) W16-7P (FYG) 24" X 12"
⑨	(FYG) S4-5 (FYG) 36" X 36"
⑪	(FYG) R10-15 24" X 24"
⑳	POST MOUNTED FLASHING BEACON INSTALLATION (SPECIAL)
㉑	POST MOUNTED FLASHING BEACON INSTALLATION
㉒	SIGN PANEL, TYPE 1
㉓	REMOVE SIGN PANEL ASSEMBLY
㉔	REMOVE SIGN PANEL - TYPE 1
㉕	TELESCOPING STEEL SIGN SUPPORT
㉖	EXISTING SIGNAGE TO REMAIN
㉗	SIDEWALK REMOVAL
㉘	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT
㉙	REMOVE EXISTING FLASHING BEACON INSTALLATION COMPLETE
㉚	PAVEMENT MARKING REMOVAL
㉛	PORTLAND CEMENT CONCRETE SIDEWALK, 5-INCH
㉜	DETECTABLE WARNINGS
㉝	CLASS D PATCHES
㉞	INCIDENTAL HOT-MIX ASPHALT SURFACING
㉟	PAVEMENT MARKING (SPECIAL)
㊱	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
㊲	THERMOPLASTIC PAVEMENT MARKING - LINE 12"
㊳	THERMOPLASTIC PAVEMENT MARKING - LINE 24"
㊴	THERMOPLASTIC PAVEMENT MARKING - LINE 6"
㊵	SERVICE INSTALLATION, TYPE C EACH
㊶	INTERCEPT EXISTING CONDUIT
㊷	UNDERGROUND CONDUIT, GALVANIZED STEEL, 1" DIA.
㊸	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 10
EXISTING ELEVATION +XX, OFFSET	
PROPOSED ELEVATION	
NOTES:	
1. EXISTING R2-1 AND S5-2	

BAXTER & WOODMAN Consulting Engineers

DESIGNED - JDM	REVISED - DC DOT/100T 3-17-14
DRAWN - CJC	REVISED - CITY 4-14-14
CHECKED - MWP	REVISED -
DATE - 12/06/13	FILE - 130530SHT-PLAN2.sht

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
WOOD DALE ROAD AT MURRAY DRIVE

SCALE: 1" = 20' STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652/2642	13-00049-00-SG	DUPAGE	28	6
CONTRACT NO. 61A16				

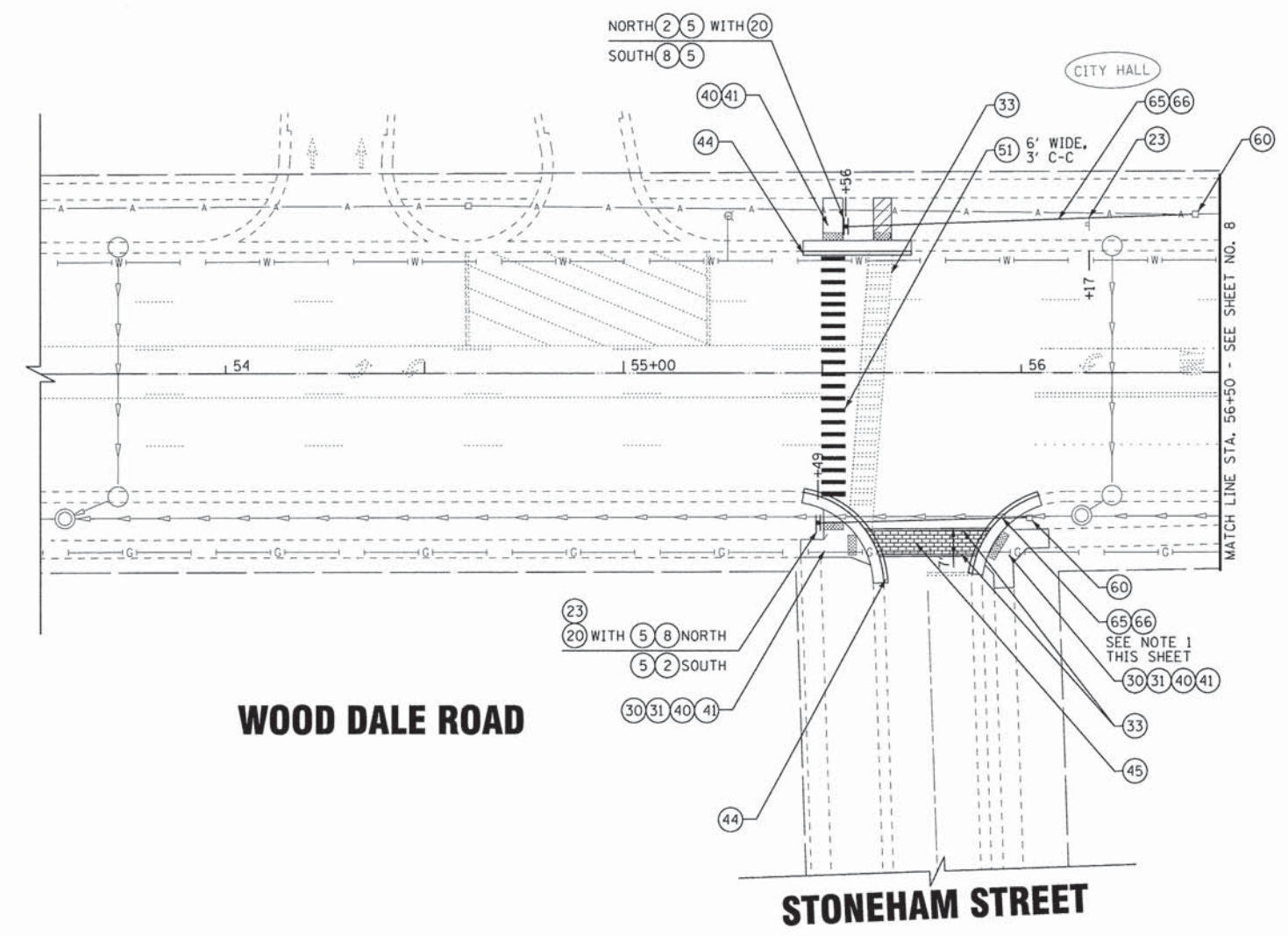
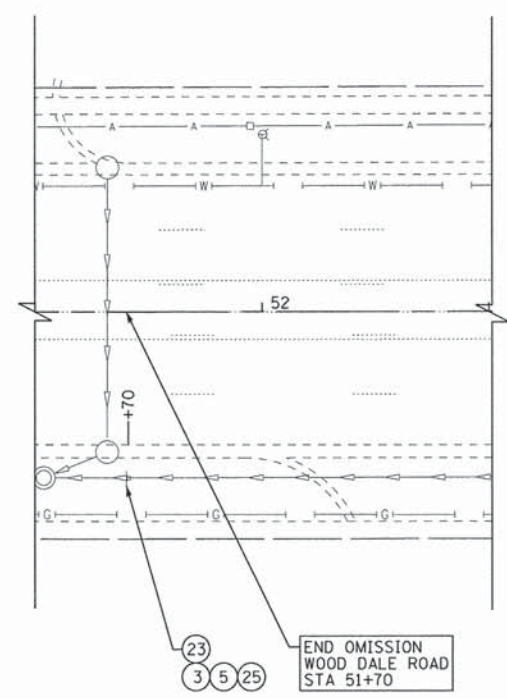
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT



LEGEND

- 1 S1-1 (FYG) 36" X 36"
- 2 W16-7P (FYG) 24" X 12"
- 3 W16-9P (FYG) 24" X 12"
- 4 W16-6P (FYG) 24" X 12"
- 5 W11-2 (FYG) 36" X 36"
- 10 R8-3 24" X 24"
- 6 S4-1100 24" X 48"
- 7 R2-6P 24" X 18"
- 8 W16-7P (FYG) 24" X 12"
- 9 S4-5 (FYG) 36" X 36"
- 11 R10-15 24" X 24"
- 20 POST MOUNTED FLASHING BEACON INSTALLATION (SPECIAL)
- 21 POST MOUNTED FLASHING BEACON INSTALLATION
- 22 SIGN PANEL, TYPE 1
- 23 REMOVE SIGN PANEL ASSEMBLY
- 24 REMOVE SIGN PANEL - TYPE 1
- 25 TELESCOPING STEEL SIGN SUPPORT
- 26 EXISTING SIGNAGE TO REMAIN
- 30 SIDEWALK REMOVAL
- 31 COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT
- 32 REMOVE EXISTING FLASHING BEACON INSTALLATION COMPLETE
- 33 PAVEMENT MARKING REMOVAL
- 40 PORTLAND CEMENT CONCRETE SIDEWALK, 5-INCH
- 41 DETECTABLE WARNINGS
- 43 CLASS D PATCHES
- 44 INCIDENTAL HOT-MIX ASPHALT SURFACING
- 45 PAVEMENT MARKING (SPECIAL)
- 50 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
- 51 THERMOPLASTIC PAVEMENT MARKING - LINE 12"
- 52 THERMOPLASTIC PAVEMENT MARKING - LINE 24"
- 53 THERMOPLASTIC PAVEMENT MARKING - LINE 6"
- 60 SERVICE INSTALLATION, TYPE C EACH
- 64 INTERCEPT EXISTING CONDUIT
- 65 UNDERGROUND CONDUIT, GALVANIZED STEEL, 1" DIA.
- 66 ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 10

EXISTING ELEVATION +XX, OFFSET
PROPOSED ELEVATION



WOOD DALE ROAD

STONEHAM STREET

- NOTES:**
1. OPEN CUTTING TO INSTALL CONDUIT IS NOT ALLOWED.

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BAXTER & WOODMAN Consulting Engineers	DESIGNED - JDM	REVISED - DC DOT/IDOT 3-17-14
	DRAWN - CJC	REVISED - CITY 4-14-14
	CHECKED - MWP	REVISED -
	DATE - 12/06/13	FILE - 130530SHT_PLAN3.sht

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

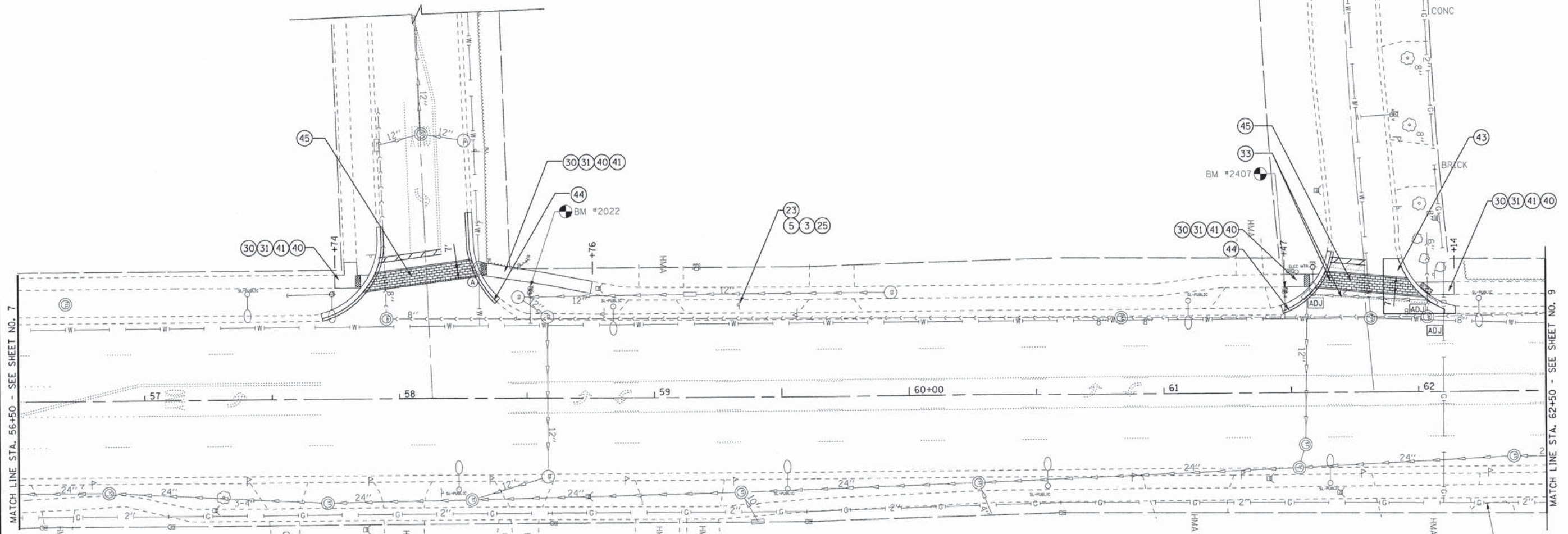
ROADWAY PLAN WOOD DALE ROAD AT STONEHAM STREET	
SCALE: 1" = 20'	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652/2642	13-00049-00-SG	DUPAGE	28	7
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61A16	



FLORINA COURT

CENTER STREET



MATCH LINE STA. 56+50 - SEE SHEET NO. 7

MATCH LINE STA. 62+50 - SEE SHEET NO. 9

- LEGEND**
- 1 S1-1 (FYG) 36" X 36"
 - 2 W16-7P (FYG) 24" X 12"
 - 3 W16-9P (FYG) 24" X 12"
 - 4 W16-6P (FYG) 24" X 12"
 - 5 W11-2 (FYG) 36" X 36"
 - 10 R8-3 24" X 24"
 - 20 POST MOUNTED FLASHING BEACON INSTALLATION (SPECIAL)
 - 6 S4-1100 24" X 48"
 - 7 R2-6P 24" X 18"
 - 8 W16-7P (FYG) 24" X 12"
 - 9 S4-5 (FYG) 36" X 36"
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 - 21 POST MOUNTED FLASHING BEACON INSTALLATION
 - 22 SIGN PANEL, TYPE 1
 - 23 REMOVE SIGN PANEL ASSEMBLY
 - 24 REMOVE SIGN PANEL - TYPE 1
 - 25 TELESCOPING STEEL SIGN SUPPORT
 - 26 EXISTING SIGNAGE TO REMAIN
 - 30 SIDEWALK REMOVAL
 - 31 COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT
 - 32 REMOVE EXISTING FLASHING BEACON INSTALLATION COMPLETE
 - 33 PAVEMENT MARKING REMOVAL
 - 40 PORTLAND CEMENT CONCRETE SIDEWALK, 5-INCH
 - 41 DETECTABLE WARNINGS
 - 43 CLASS D PATCHES
 - 44 INCIDENTAL HOT-MIX ASPHALT SURFACING
 - 45 PAVEMENT MARKING (SPECIAL)
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 - 53 THERMOPLASTIC PAVEMENT MARKING - LINE 6"
 - 60 SERVICE INSTALLATION, TYPE C EACH
 - 64 INTERCEPT EXISTING CONDUIT
 - 65 UNDERGROUND CONDUIT, GALVANIZED STEEL, 1" DIA.
 - 66 ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 10
- EXISTING ELEVATION +XX, OFFSET
PROPOSED ELEVATION

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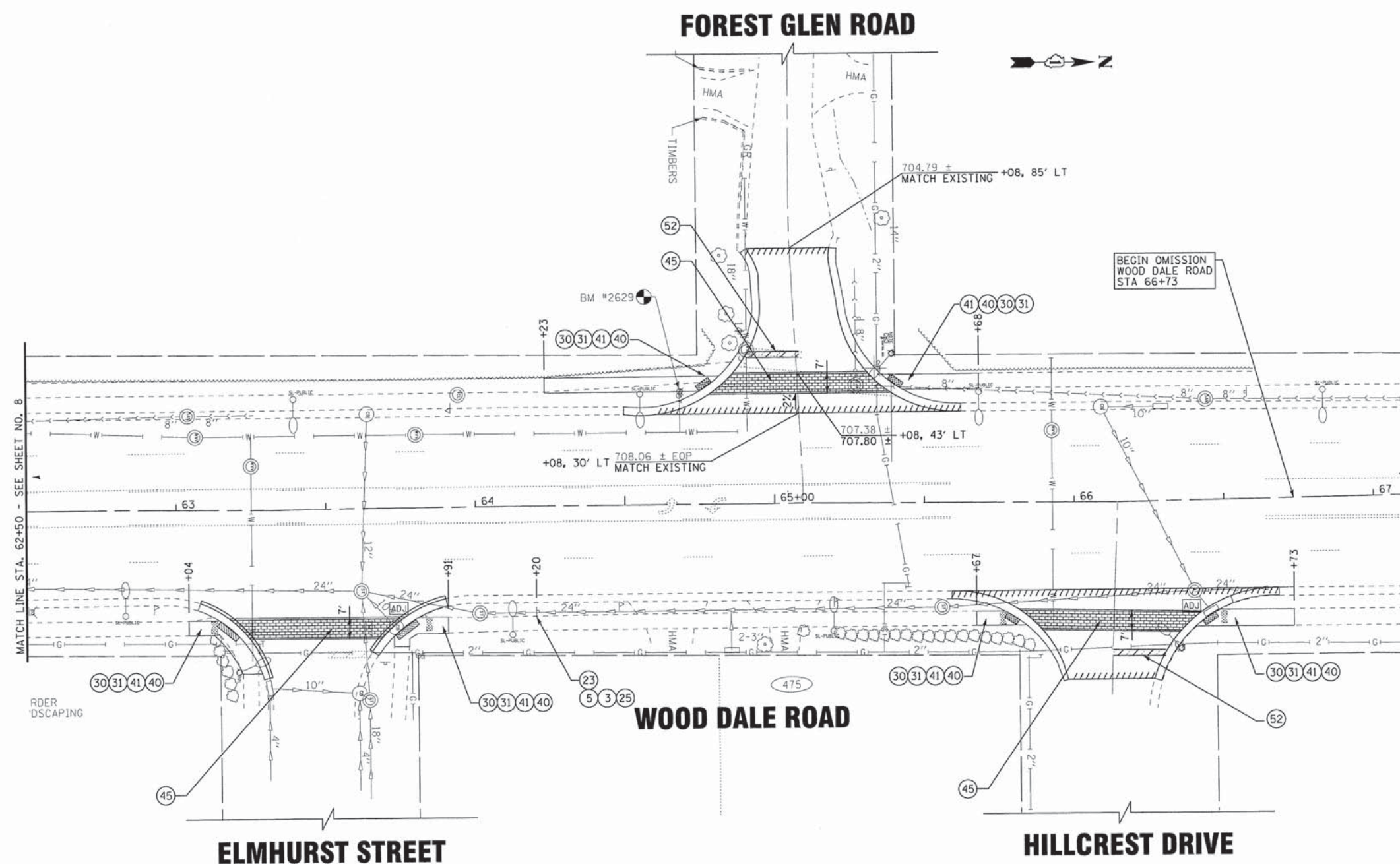
BAXTER & WOODMAN Consulting Engineers	DESIGNED - JDM	REVISED - DC DOT/IDOT 3-17-14
	DRAWN - CJC	REVISED - CITY 4-14-14
	CHECKED - MWP	REVISED -
	DATE - 12/06/13	FILE - 130530SHT_PLN4.sht

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN WOOD DALE ROAD AT CENTER STREET AND FLORINA COURT		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		2652/2642	13-00049-00-SG	DUPAGE	28	8
SCALE: 1" = 20'		STA. TO STA.		CONTRACT NO. 61A16		
		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LEGEND

- ① S1-1 (FYG) 36" X 36"
 - ② W16-7P (FYG) 24" X 12"
 - ③ W16-9P (FYG) 24" X 12"
 - ④ W16-6P (FYG) 24" X 12"
 - ⑤ W11-2 (FYG) 36" X 36"
 - ⑥ S4-1100 24" X 48"
 - ⑦ R2-6P 24" X 18"
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 - ⑩ R8-3 24" X 24"
 - ⑪ R10-15 24" X 24"
 - ⑫ POST MOUNTED FLASHING BEACON INSTALLATION (SPECIAL)
 - ⑬ POST MOUNTED FLASHING BEACON INSTALLATION
 - ⑭ SIGN PANEL, TYPE 1
 - ⑮ REMOVE SIGN PANEL ASSEMBLY
 - ⑯ REMOVE SIGN PANEL - TYPE 1
 - ⑰ TELESCOPING STEEL SIGN SUPPORT
 - ⑱ EXISTING SIGNAGE TO REMAIN
 - ⑳ SIDEWALK REMOVAL
 - ㉑ COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT
 - ㉒ REMOVE EXISTING FLASHING BEACON INSTALLATION COMPLETE
 - ㉓ PAVEMENT MARKING REMOVAL
 - ㉔ PORTLAND CEMENT CONCRETE SIDEWALK, 5-INCH
 - ㉕ DETECTABLE WARNINGS
 - ㉖ CLASS D PATCHES
 - ㉗ INCIDENTAL HOT-MIX ASPHALT SURFACING
 - ㉘ PAVEMENT MARKING (SPECIAL)
 - ㉙ THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
 - ㉚ THERMOPLASTIC PAVEMENT MARKING - LINE 12"
 - ㉛ THERMOPLASTIC PAVEMENT MARKING - LINE 24"
 - ㉜ THERMOPLASTIC PAVEMENT MARKING - LINE 6"
 - ㉝ SERVICE INSTALLATION, TYPE C EACH
 - ㉞ INTERCEPT EXISTING CONDUIT
 - ㉟ UNDERGROUND CONDUIT, GALVANIZED STEEL, 1" DIA.
 - ⓫ ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 10
- EXISTING ELEVATION
PROPOSED ELEVATION +XX, OFFSET



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BAXTER & WOODMAN Consulting Engineers	DESIGNED - JDM	REVISED - DC DOT/IDOT 3-17-14
	DRAWN - CJC	REVISED - CITY 4-14-14
	CHECKED - MWP	REVISED -
	DATE - 12/06/13	FILE - 130530SHT_PLANS.sht

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
WOOD DALE ROAD AT ELMHURST STREET,
FOREST GLEN ROAD AND HILLCREST DRIVE

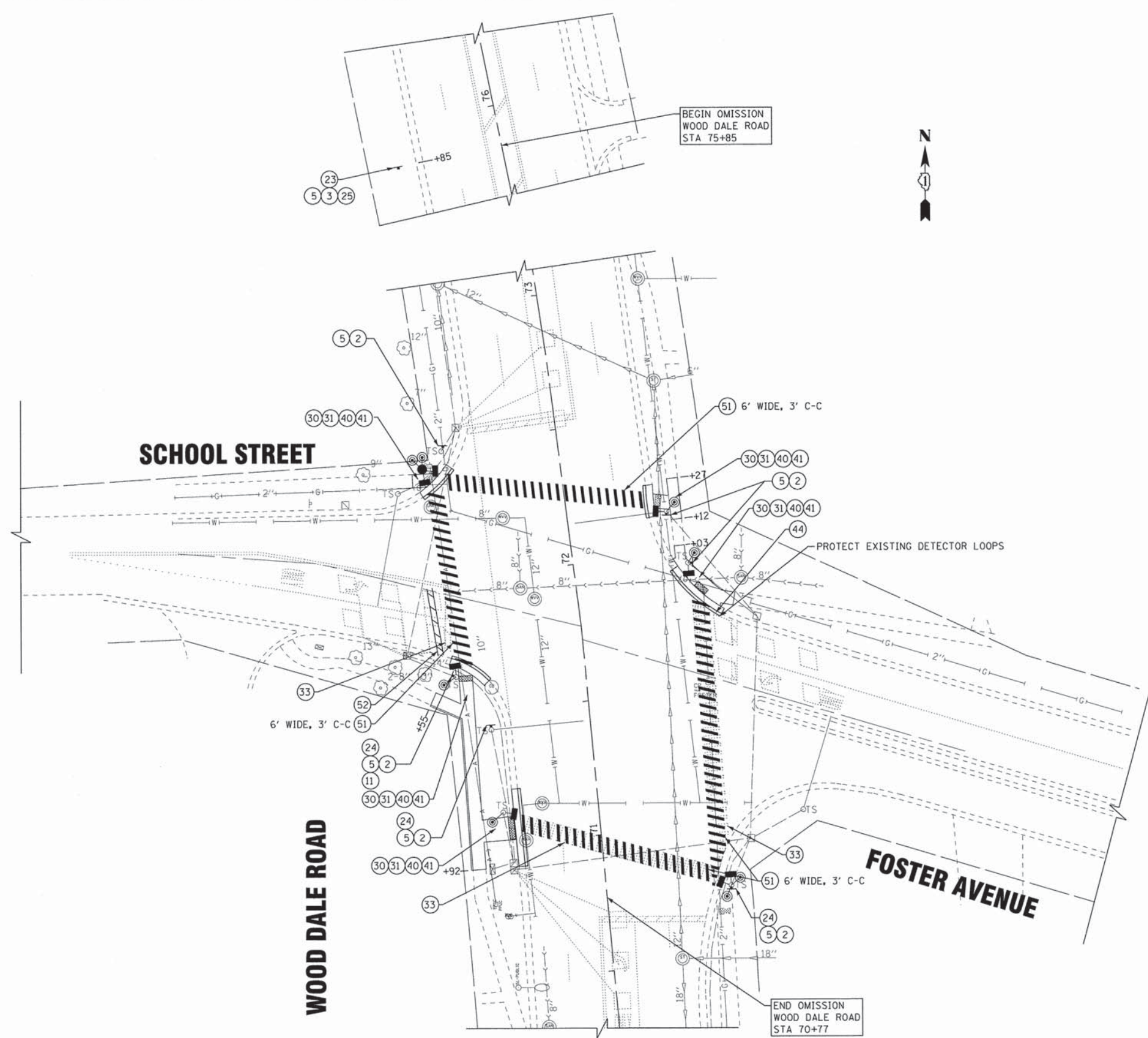
SCALE: 1" = 20'

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652/2642	13-00049-00-SG	DUPAGE	28	9
CONTRACT NO. 61A16				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LEGEND

- 1 S1-1 (FYG) 36" X 36"
- 2 W16-7P (FYG) 24" X 12"
- 3 W16-9P (FYG) 24" X 12"
- 4 W16-6P (FYG) 24" X 12"
- 5 W11-2 (FYG) 36" X 36"
- 10 R8-3 24" X 24"
- 6 S4-1100 (FYG) 24" X 48"
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- 20 POST MOUNTED FLASHING BEACON INSTALLATION (SPECIAL)
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- 22 SIGN PANEL, TYPE 1
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- 24 REMOVE SIGN PANEL - TYPE 1
- 25 TELESCOPING STEEL SIGN SUPPORT
- 26 EXISTING SIGNAGE TO REMAIN
- 30 SIDEWALK REMOVAL
- 31 COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT
- 32 REMOVE EXISTING FLASHING BEACON INSTALLATION COMPLETE
- 33 PAVEMENT MARKING REMOVAL
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- 65 UNDERGROUND CONDUIT, GALVANIZED STEEL, 1" DIA.
- 66 ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 10

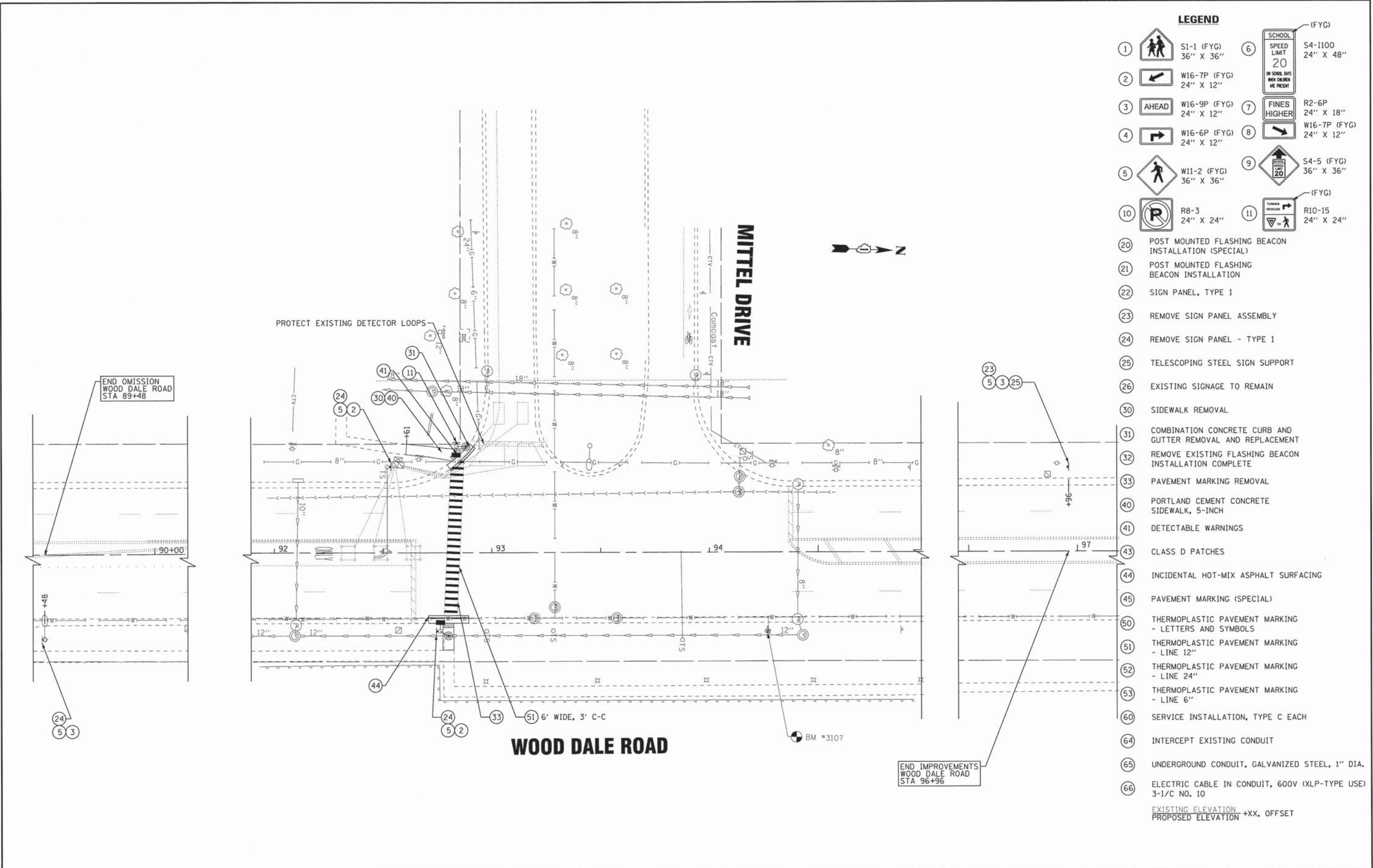
EXISTING ELEVATION +XX, OFFSET
PROPOSED ELEVATION +XX, OFFSET



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	DESIGNED - JDM	REVISED - DC DOT/IDOT 3-17-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN WOOD DALE ROAD AT SCHOOL STREET AND FOSTER AVENUE		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - CJC	REVISED - CITY 4-14-14		SCALE: 1" = 20'		STA.	TO STA.	2652/2642	13-00049-00-SG	DUPAGE
CHECKED - MWP	REVISED -	FILE - 130530SHT_PLAN6.sht								CONTRACT NO. 61A16
DATE - 12/06/13										FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

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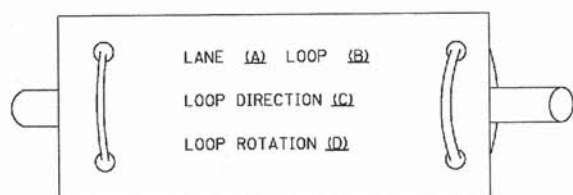
- LEGEND**
- 1 S1-1 (FYG) 36" X 36"
 - 2 W16-7P (FYG) 24" X 12"
 - 3 W16-9P (FYG) 24" X 12"
 - 4 W16-6P (FYG) 24" X 12"
 - 5 W11-2 (FYG) 36" X 36"
 - 10 R8-3 24" X 24"
 - 20 POST MOUNTED FLASHING BEACON INSTALLATION (SPECIAL)
 - 21 POST MOUNTED FLASHING BEACON INSTALLATION
 - 22 SIGN PANEL, TYPE 1
 - 23 REMOVE SIGN PANEL ASSEMBLY
 - 24 REMOVE SIGN PANEL - TYPE 1
 - 25 TELESCOPING STEEL SIGN SUPPORT
 - 26 EXISTING SIGNAGE TO REMAIN
 - 30 SIDEWALK REMOVAL
 - 31 COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT
 - 32 REMOVE EXISTING FLASHING BEACON INSTALLATION COMPLETE
 - 33 PAVEMENT MARKING REMOVAL
 - 40 PORTLAND CEMENT CONCRETE SIDEWALK, 5-INCH
 - 41 DETECTABLE WARNINGS
 - 43 CLASS D PATCHES
 - 44 INCIDENTAL HOT-MIX ASPHALT SURFACING
 - 45 PAVEMENT MARKING (SPECIAL)
 - 50 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
 - 51 THERMOPLASTIC PAVEMENT MARKING - LINE 12"
 - 52 THERMOPLASTIC PAVEMENT MARKING - LINE 24"
 - 53 THERMOPLASTIC PAVEMENT MARKING - LINE 6"
 - 60 SERVICE INSTALLATION, TYPE C EACH
 - 64 INTERCEPT EXISTING CONDUIT
 - 65 UNDERGROUND CONDUIT, GALVANIZED STEEL, 1" DIA.
 - 66 ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 3-1/C NO. 10
 - 6 S4-1100 (FYG) 24" X 48"
 - 7 R2-6P 24" X 18"
 - 8 W16-7P (FYG) 24" X 12"
 - 9 S4-5 (FYG) 36" X 36"
 - 11 R10-15 (FYG) 24" X 24"
- EXISTING ELEVATION +XX, OFFSET
 PROPOSED ELEVATION +XX, OFFSET

BAXTER & WOODMAN Consulting Engineers	DESIGNED - JDM	REVISED - DC DOT/IDOT 3-17-14	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN WOOD DALE ROAD AT MITTEL DRIVE		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - CJC	REVISED - CITY 4-14-14		2652/2642	13-00049-00-SG	DUPAGE	28	11		
	CHECKED - MWP	REVISED -		CONTRACT NO. 61A16			FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT		
	DATE - 12/06/13	FILE - 130530SHT_PLANT7.sht		SCALE: 1" = 20'	STA.	TO STA.				

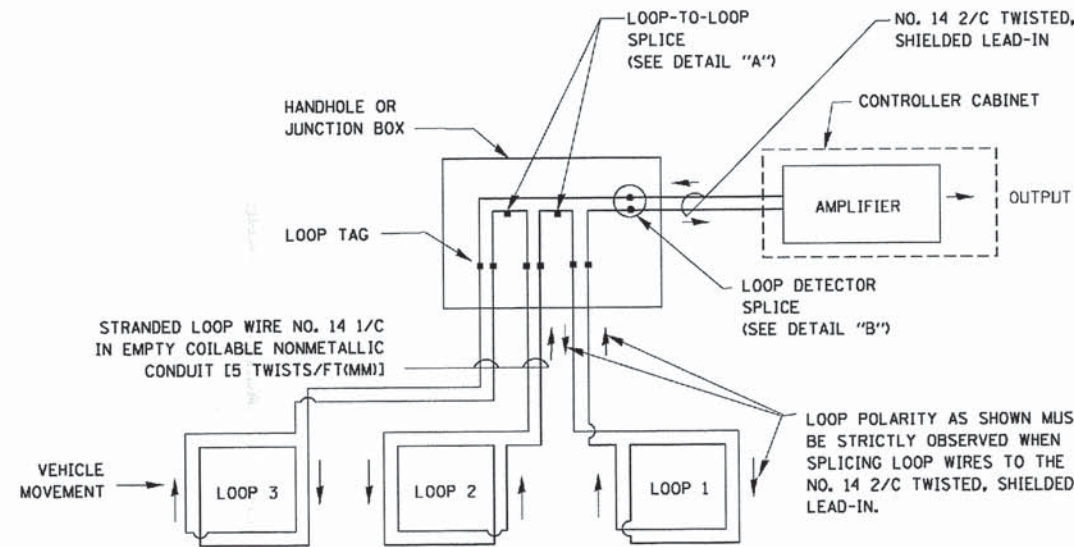
LOOP DETECTOR NOTES

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

LOOP LEAD-IN CABLE TAG

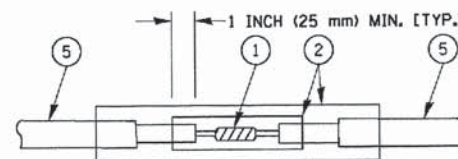


- LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

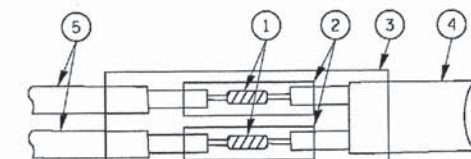


DETECTOR LOOP WIRING SCHEMATIC

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

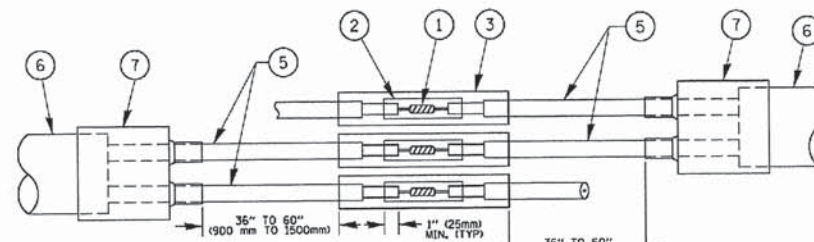


DETAIL "A"
LOOP-TO-LOOP SPLICE

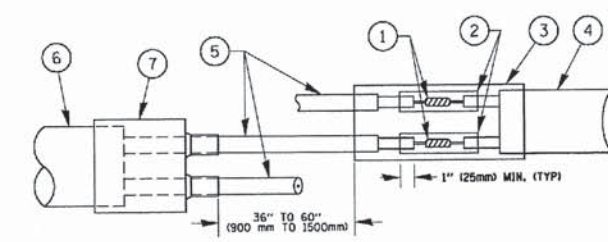


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PREFORMED LOOP

LOOP DETECTOR SPLICE

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

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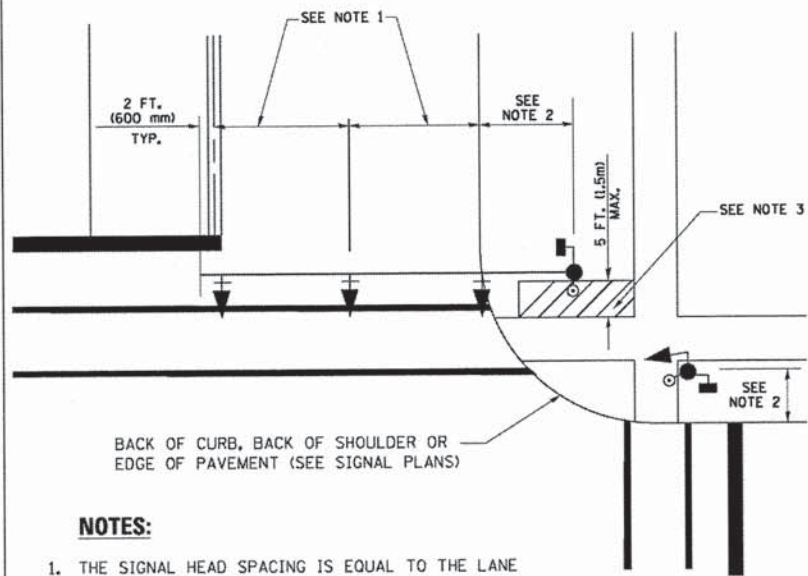
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PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE			
STANDARD TRAFFIC SIGNAL DESIGN DETAILS			
SCALE: NONE	SHEET NO. 2 OF 7 SHEETS	STA.	TO STA.

F.A.U. RTE. 2652/2642	SECTION 13-00049-00-SG	COUNTY DUPAGE	TOTAL SHEETS 28	SHEET NO. 13
TS-05			CONTRACT NO. 61A16	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

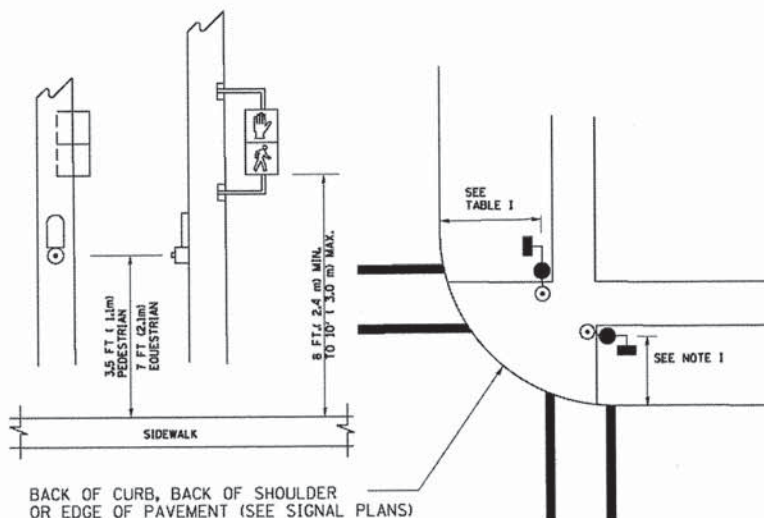
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



NOTES:

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

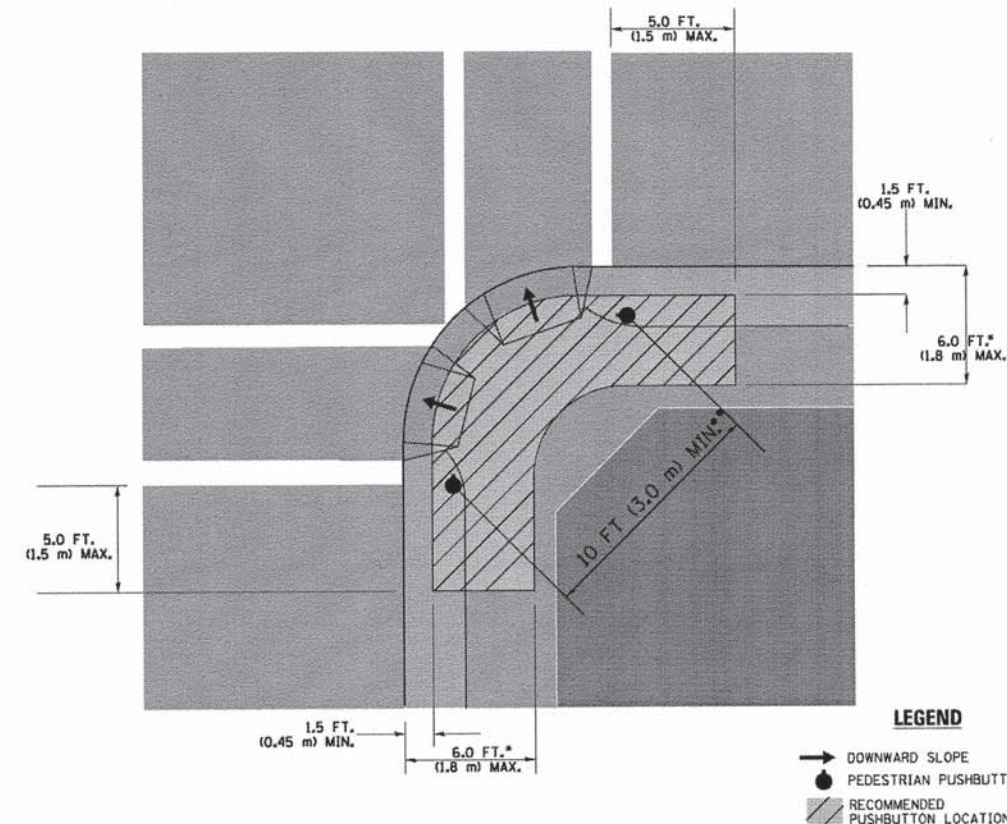
**PEDESTRIAN SIGNAL POST
AND
PEDESTRIAN PUSH BUTTON POST**



NOTES:

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

RECOMMENDED PUSHBUTTON LOCATIONS



LEGEND

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- RECOMMENDED PUSHBUTTON LOCATIONS

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

NOTES:

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

TRAFFIC SIGNAL EQUIPMENT OFFSET

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

NOTES:

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

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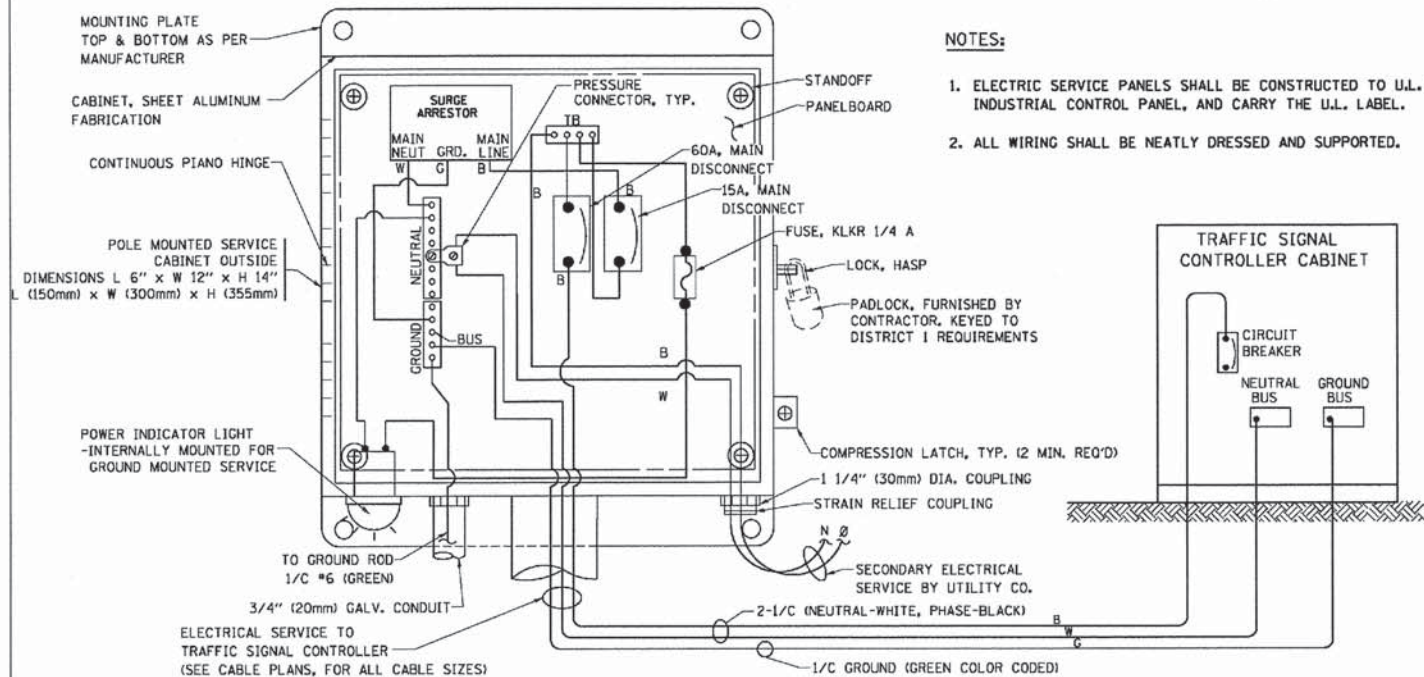
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	PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

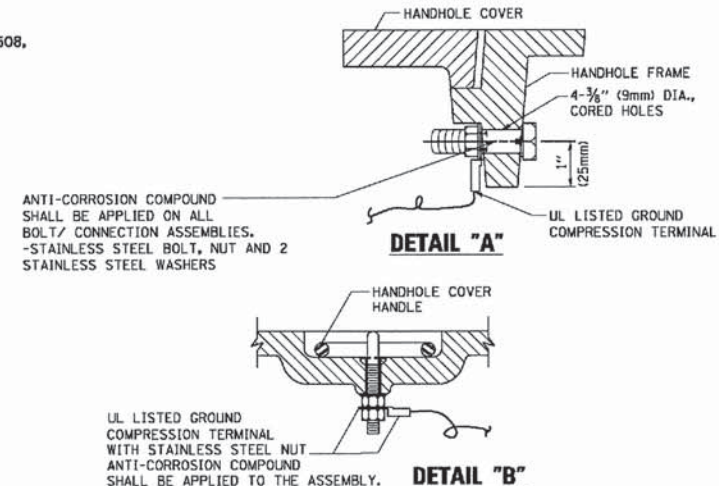
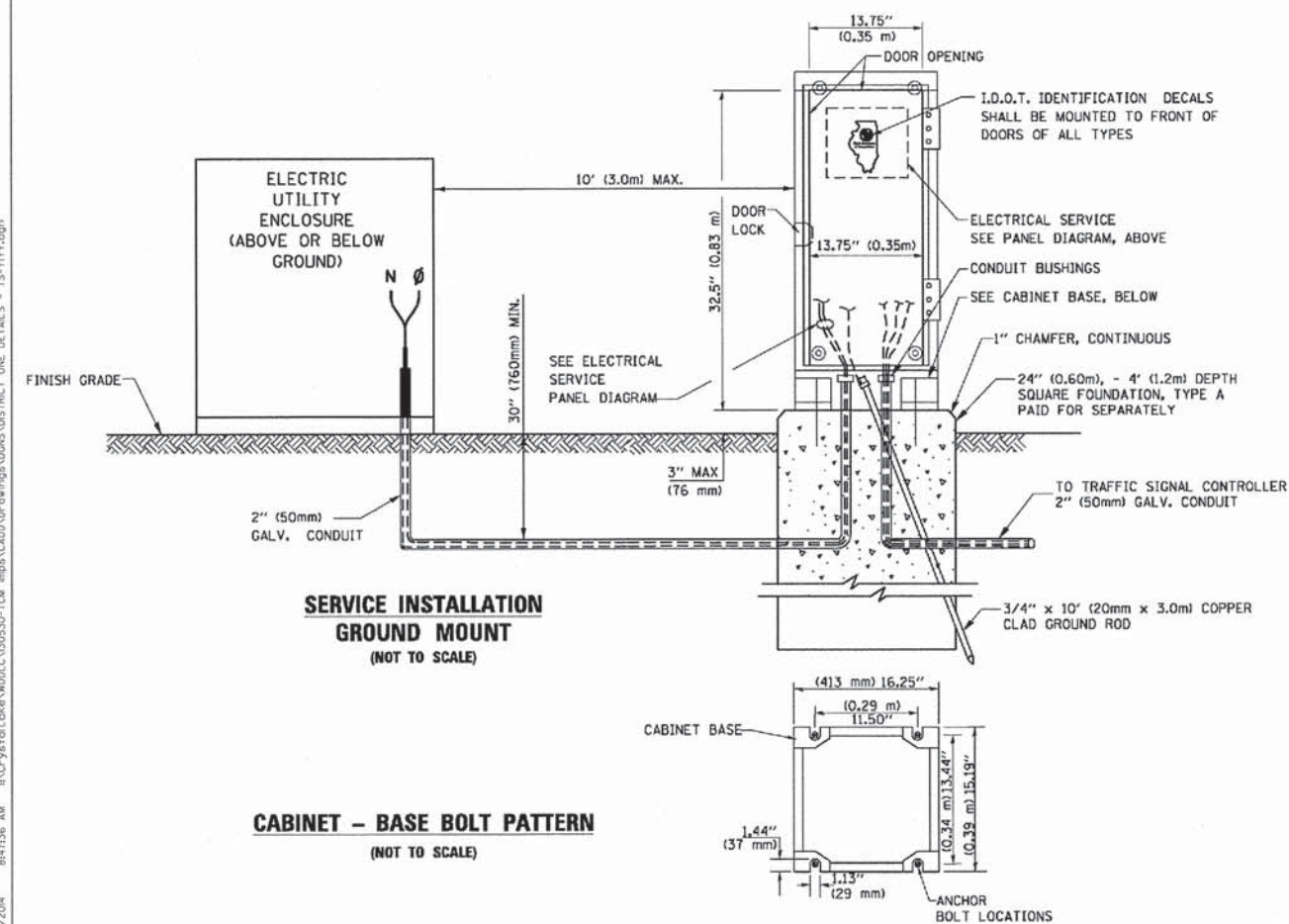
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652/2642	13-00049-00-SG	DUPAGE	28	14
TS-05		CONTRACT NO. 61A16		
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				

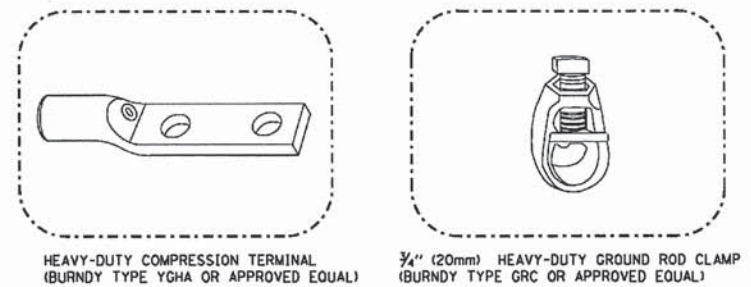
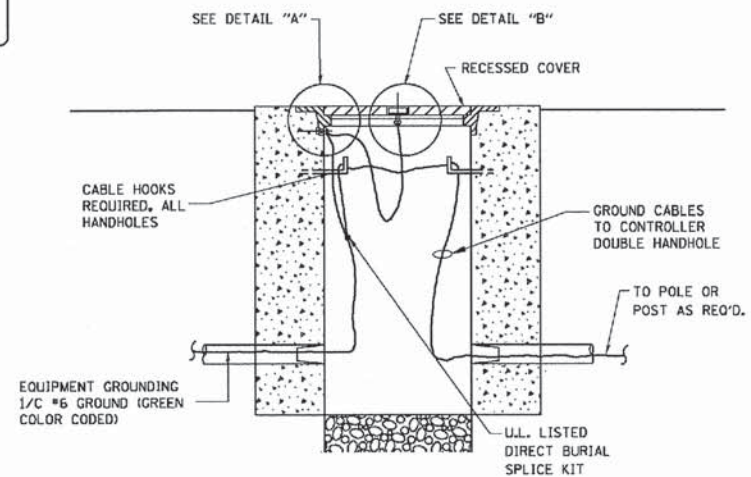
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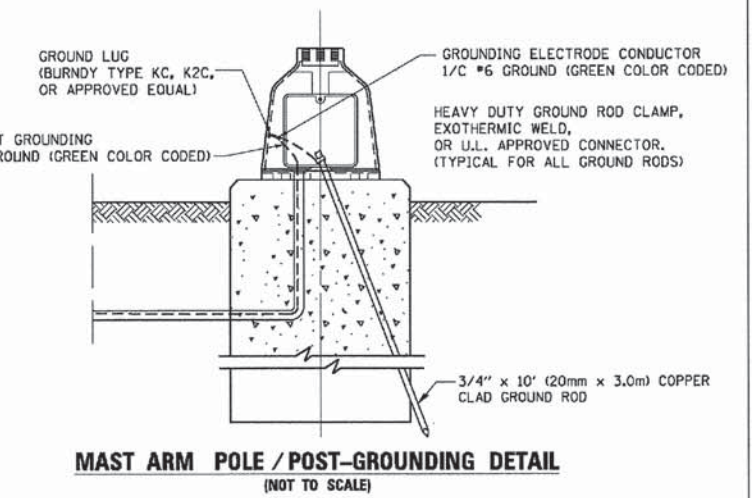
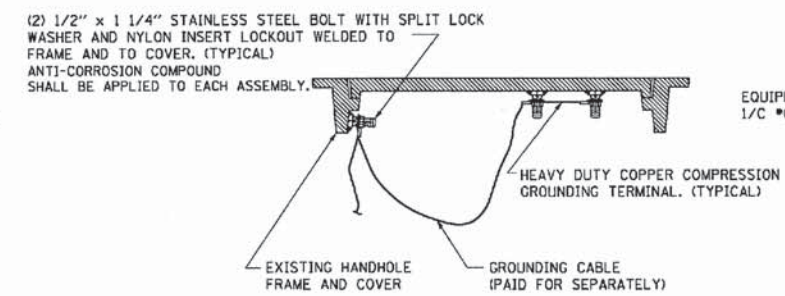
ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
 (NOT TO SCALE)



- 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.



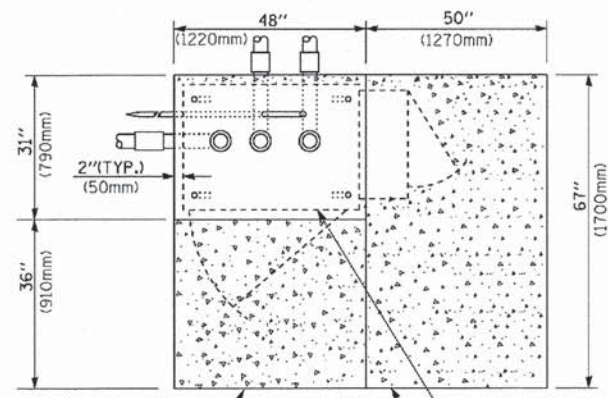
- NOTES:**
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
 - GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



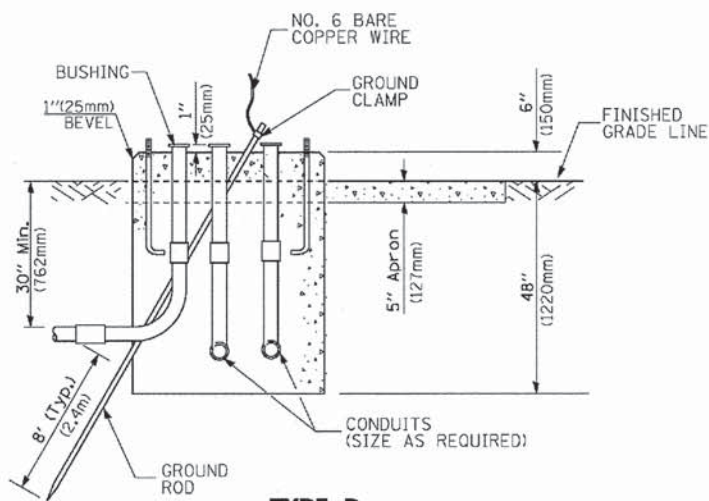
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 STATE OF ILLINOIS PROFESSIONAL DESIGN FIRM
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 DRAWN - BCK
 CHECKED - DAD
 DATE - 10-28-09
 REVISED - DAG 1-1-14
 REVISED -
 REVISED -
 REVISED -
 PLOT SCALE = 58.8888 1/32"
 PLOT DATE = 1/13/2014
 STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
 DISTRICT ONE
 STANDARD TRAFFIC SIGNAL DESIGN DETAILS
 SCALE: NONE SHEET NO. 4 OF 7 SHEETS STA. TO STA.
 F.A.U. RTE. SECTION COUNTY TOTAL SHEETS SHEET NO.
 2652/2642 13-00049-00-SG DUPAGE 28 15
 TS-05 CONTRACT NO. 61A16
 FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

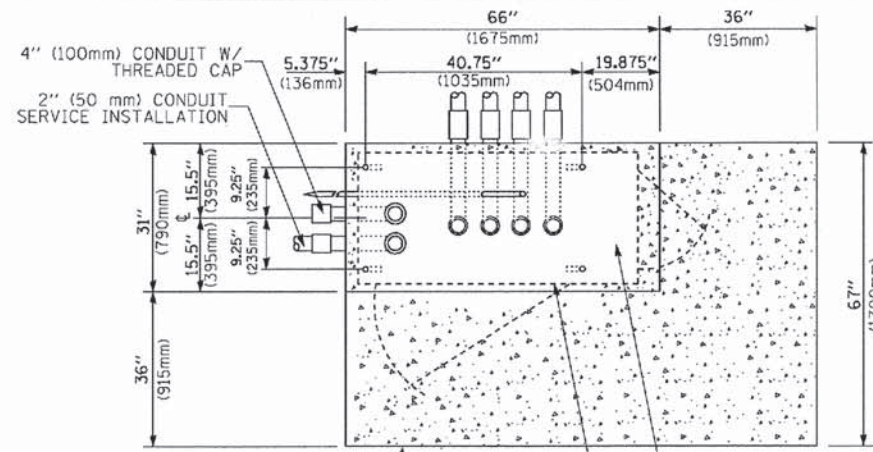
DISTRICT ONE		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STANDARD TRAFFIC SIGNAL DESIGN DETAILS		2652/2642	13-00049-00-SG	DUPAGE	28	15
SCALE: NONE SHEET NO. 4 OF 7 SHEETS STA. TO STA.		TS-05		CONTRACT NO. 61A16		
		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



TOP VIEW

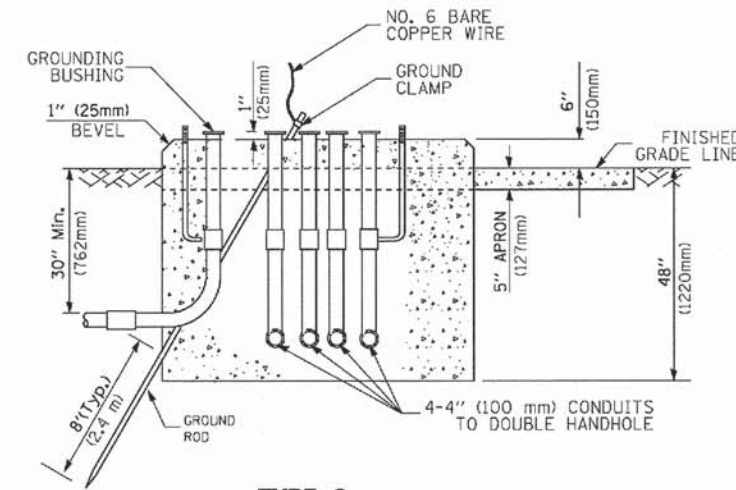


**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**

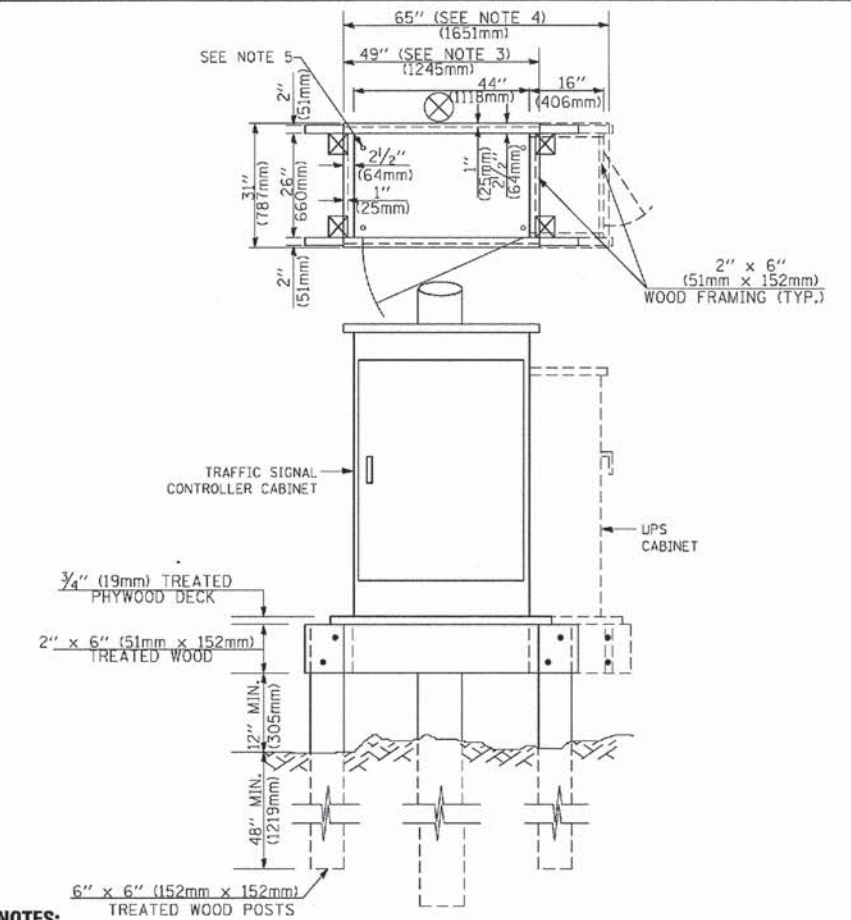


TOP VIEW

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



**TYPE C
FOR GROUND MOUNTED
SUPER P (TYPE IV) AND SUPER R (TYPE V)
CONTROLLER CABINETS**



NOTES:

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

**TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM**

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

CABLE SLACK

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

VERTICAL CABLE LENGTH

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

DEPTH OF FOUNDATION

Mast Arm Length	Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m) 11'-0" (3.4 m)	30" (750mm) 36" (900mm)	24" (600mm) 30" (750mm)	8 12	6(19) 7(22)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 56' (16.8 m) and less than 65' (19.8 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

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

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

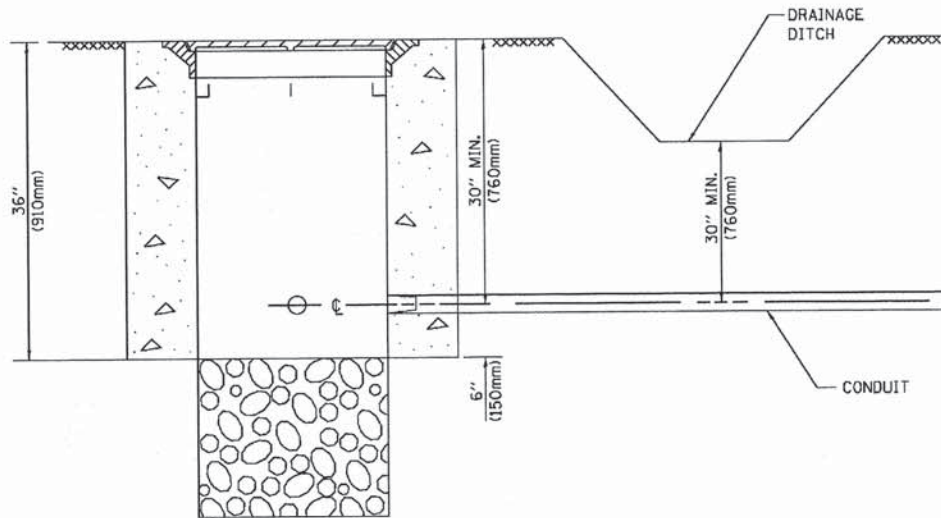
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PLOT SCALE = 5/8" = 1'		CHECKED - DAD	REVISED -
PLOT DATE = 1/13/2014		DATE - 10-28-09	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE	
STANDARD TRAFFIC SIGNAL DESIGN DETAILS	
SCALE: NONE	SHEET NO. 5 OF 7 SHEETS STA. TO STA.

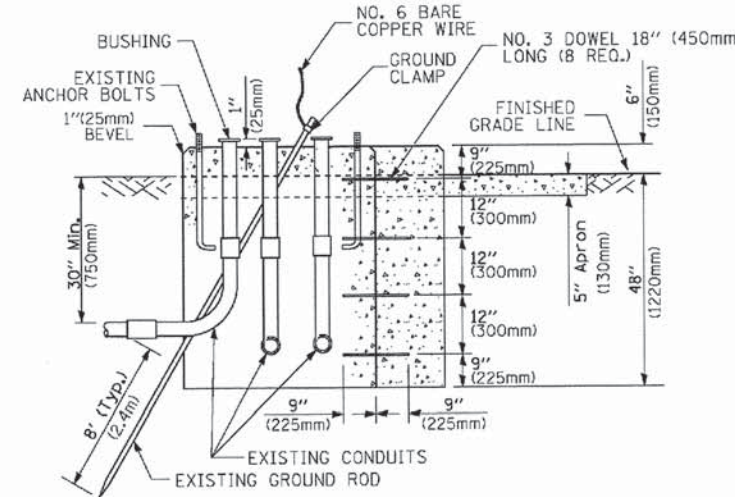
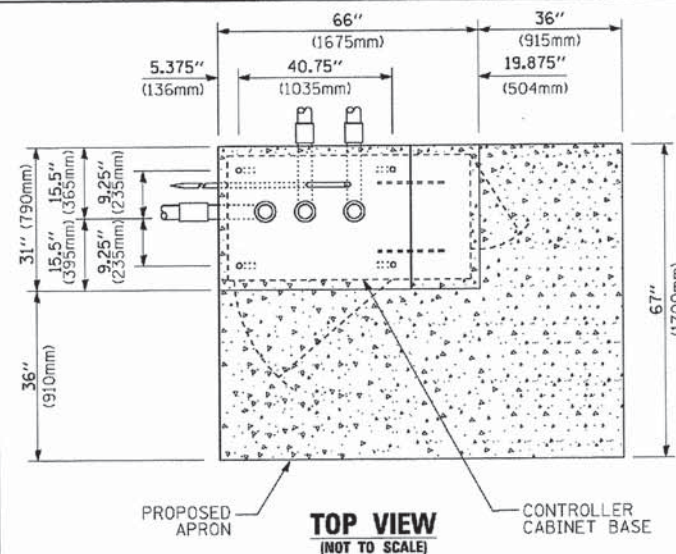
F.A.U. RTE. 2652/2642	SECTION 13-00049-00-SG	COUNTY DUPAGE	TOTAL SHEETS 28	SHEET NO. 16
TS-05			CONTRACT NO. 61A16	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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)

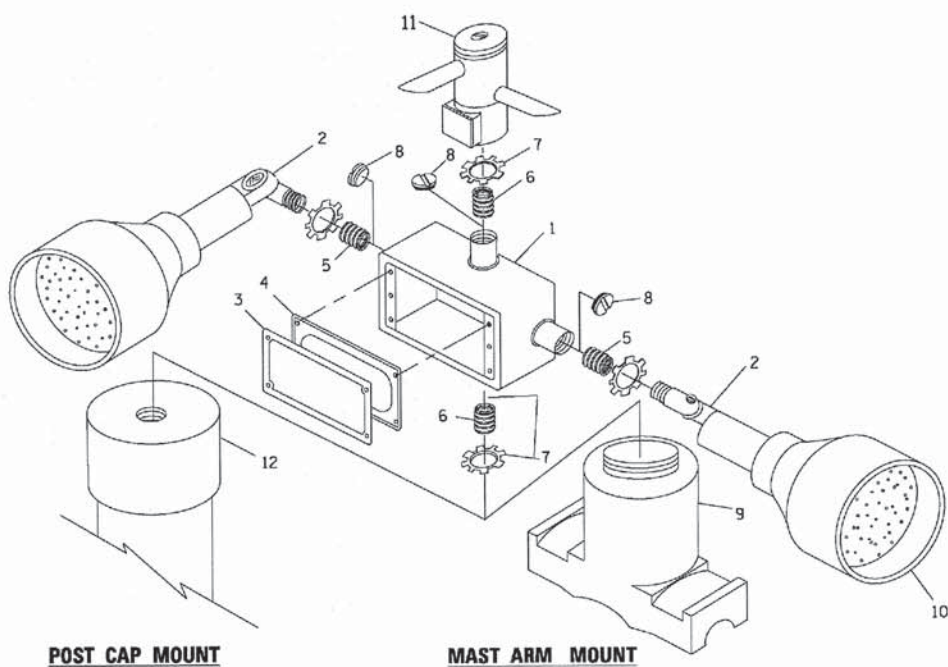


MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION
(NOT TO SCALE)

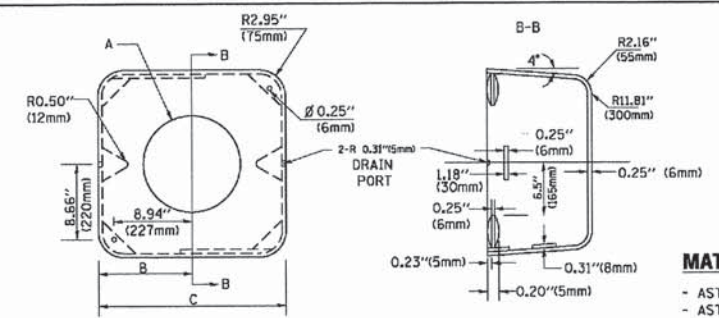
ITEM NO.	IDENTIFICATION
1	OUTLET BOX - GALV. 21 CU.IN. (0,000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
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



MATERIAL:
- ASTM A36 STEEL
- ASTM A-123 HOT DIPPED GALVANIZED

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)

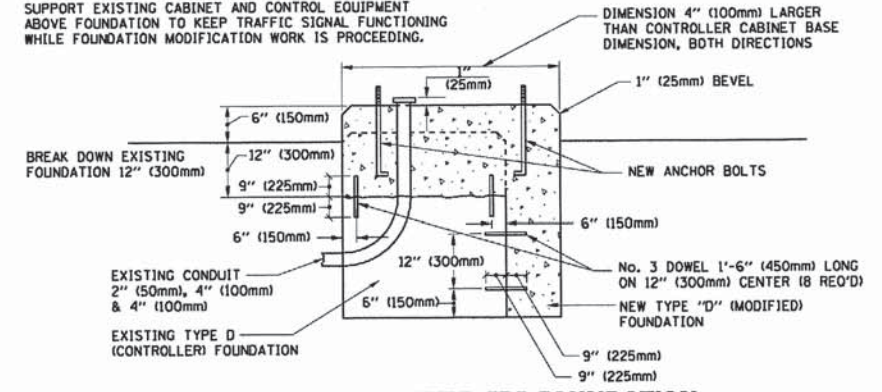
SHROUD

NOTES:

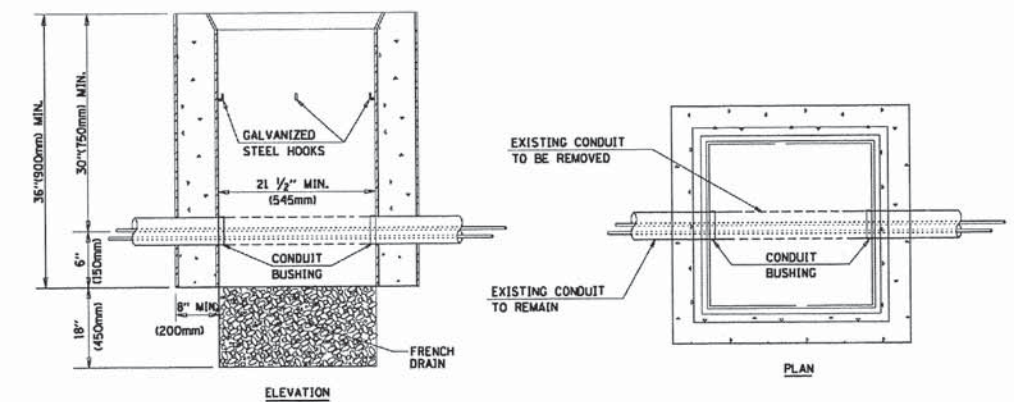
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

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

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 5600 W. 111th St., Suite 100, Oak Brook, IL 60151
 312.596.1100 FAX 312.596.1101
 3/20/2014

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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.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STANDARD TRAFFIC SIGNAL DESIGN DETAILS		2652/2642	13-00049-00-SG	DUPAGE	28	17
SCALE: NONE		TS-05		CONTRACT NO. 61A16		
SHEET NO. 6 OF 7 SHEETS STA.		TO STA.		FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT		

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DESIGNED - JDM	REVISED - DC DOT/IDOT 3-17-14
DRAWN - CJC	REVISED -
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DATE - 12/06/13	FILE - 130530SHT_TS_PLANI_Potter.sht

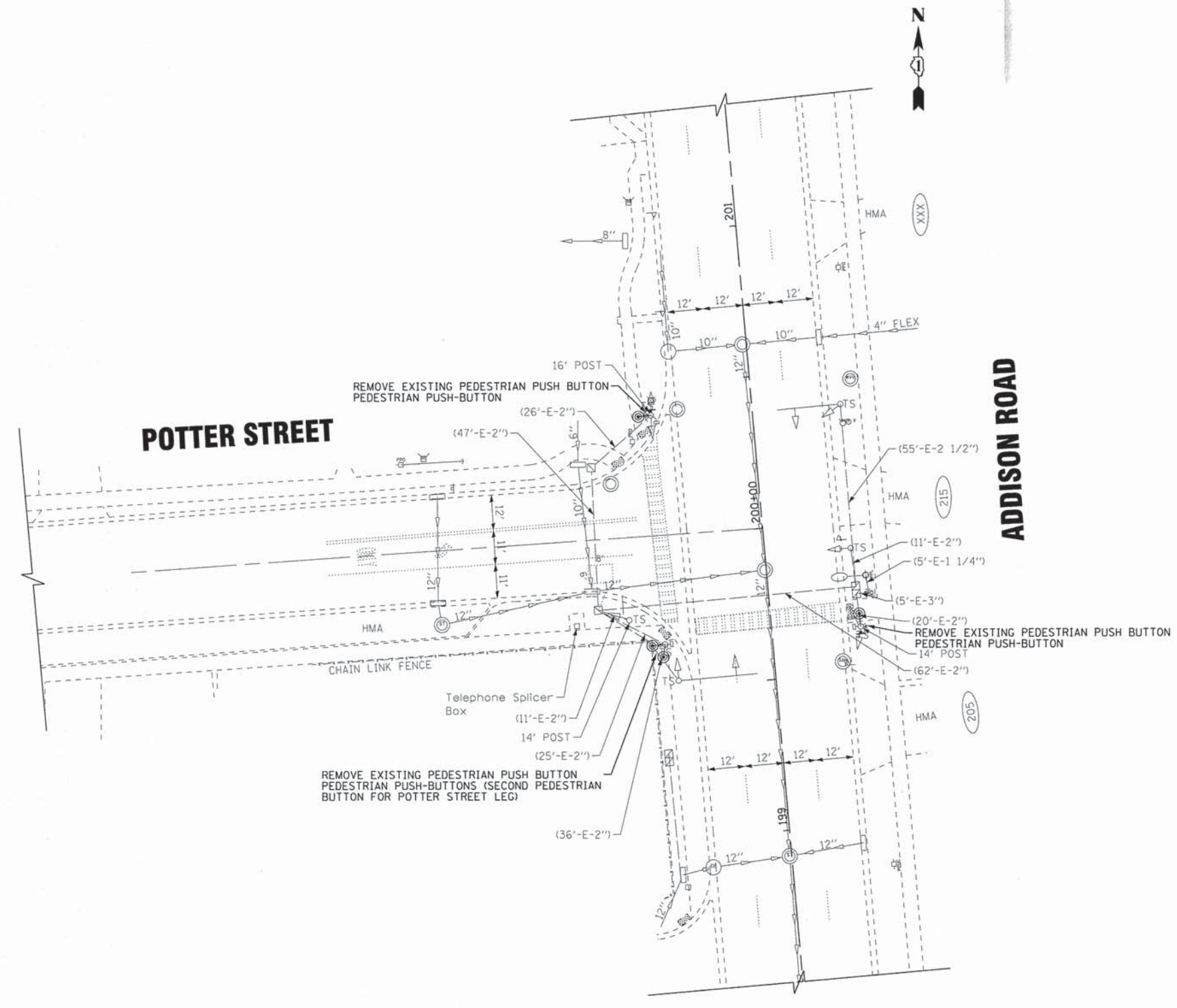
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLAN
ADDISON ROAD AT POTTER STREET

SCALE: 1" = 20'

STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652/2642	13-00049-00-SG	DUPAGE	28	18
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61A16	

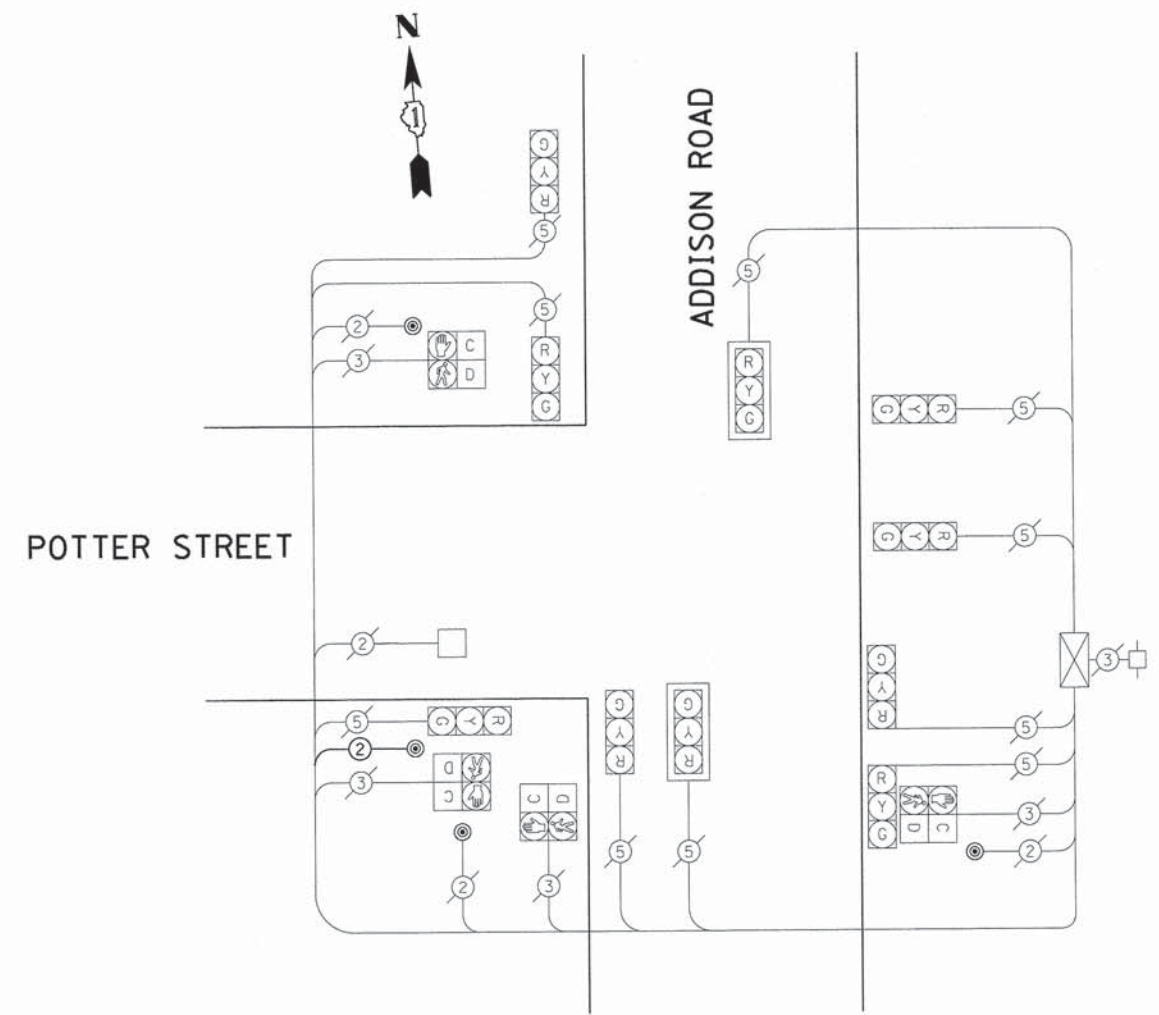


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I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE		%OPERATION	
		INCAND.	LED		
SIGNAL (RED)	10	135	17	0.50	675.00
(YELLOW)	10	135	25	0.25	337.50
(GREEN)	10	135	15	0.25	337.50
ARROW		135	12	0.10	
PED. SIGNAL	4	90	25	1.00	100.00
CONTROLLER	1	100		1.00	100.00
ILLUM. SIGN			90	0.50	
VIDEO DET.			150	1.00	
LUMINAIRE					
FLASHER					
ENERGY COSTS TO:				TOTAL =	1550.00
DUPAGE COUNTY DIVISION OF TRANSPORTATION 421 N COUNTY FARM ROAD WHEATON, IL 60187					
ENERGY SUPPLY CONTACT:		TED ZAWISLAK			
PHONE:		630-424-5706			
COMPANY:		ComEd			

DESIGNED - JDM
 DRAWN - CJC
 CHECKED - MWP
 DATE - 12/06/13

BAXTER & WOODMAN
 Consulting Engineers



CABLE PLAN

SCHEDULE OF QUANTITIES

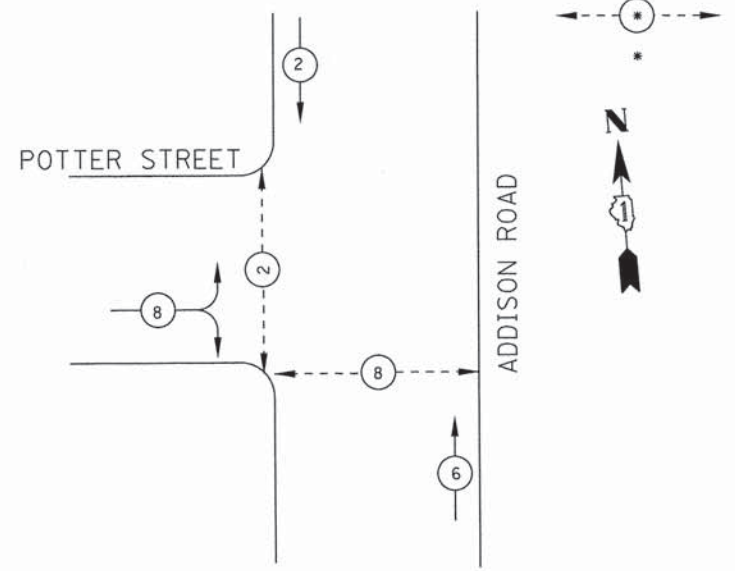
- 3 EACH REMOVE EXISTING PEDESTRIAN PUSH BUTTON
- 4 EACH PEDESTRIAN PUSH-BUTTON
- 122 FOOT ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 12 2C
- 1 EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
- 1 EACH MODIFY EXISTING CONTROLLER

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN AND
PHASE DESIGNATION DIAGRAM
ADDISON ROAD AND POTTER STREET

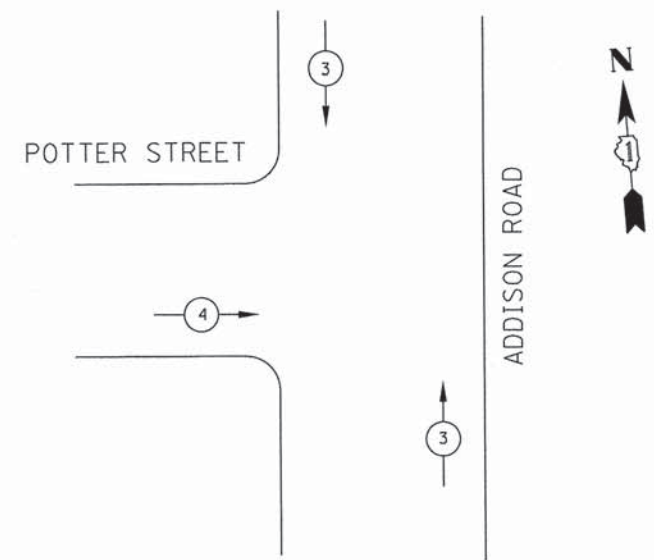
SCALE: NONE STA. TO STA.

PROPOSED
CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM

PROPOSED
EMERGENCY VEHICLE PREEMPTION SEQUENCE



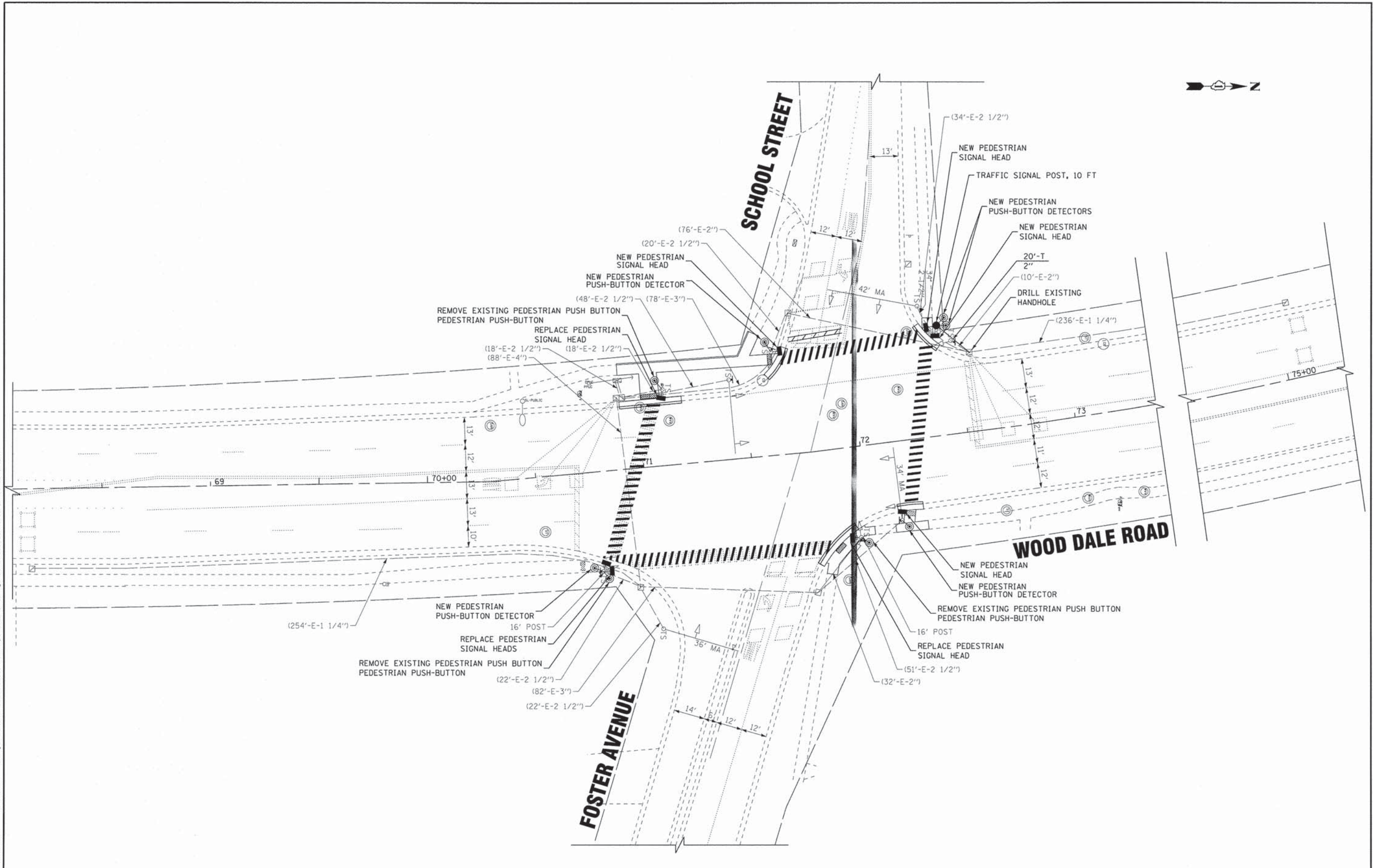
NOTES:

- 1. THE PRIORITY CONTROL SYSTEM EQUIPMENT SHALL MATCH THE EXISTING EQUIPMENT TYPE ON ADJACENT SIGNAL SYSTEMS.

PROPOSED EMERGENCY VEHICLE PREEMPTION		
EMERGENCY VEHICLE PREEMPTION	3	4
MOVEMENT	↓ ↑	→

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652/2642	13-00049-00-SG	DUPAGE	28	19
CONTRACT NO. 61A16				

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



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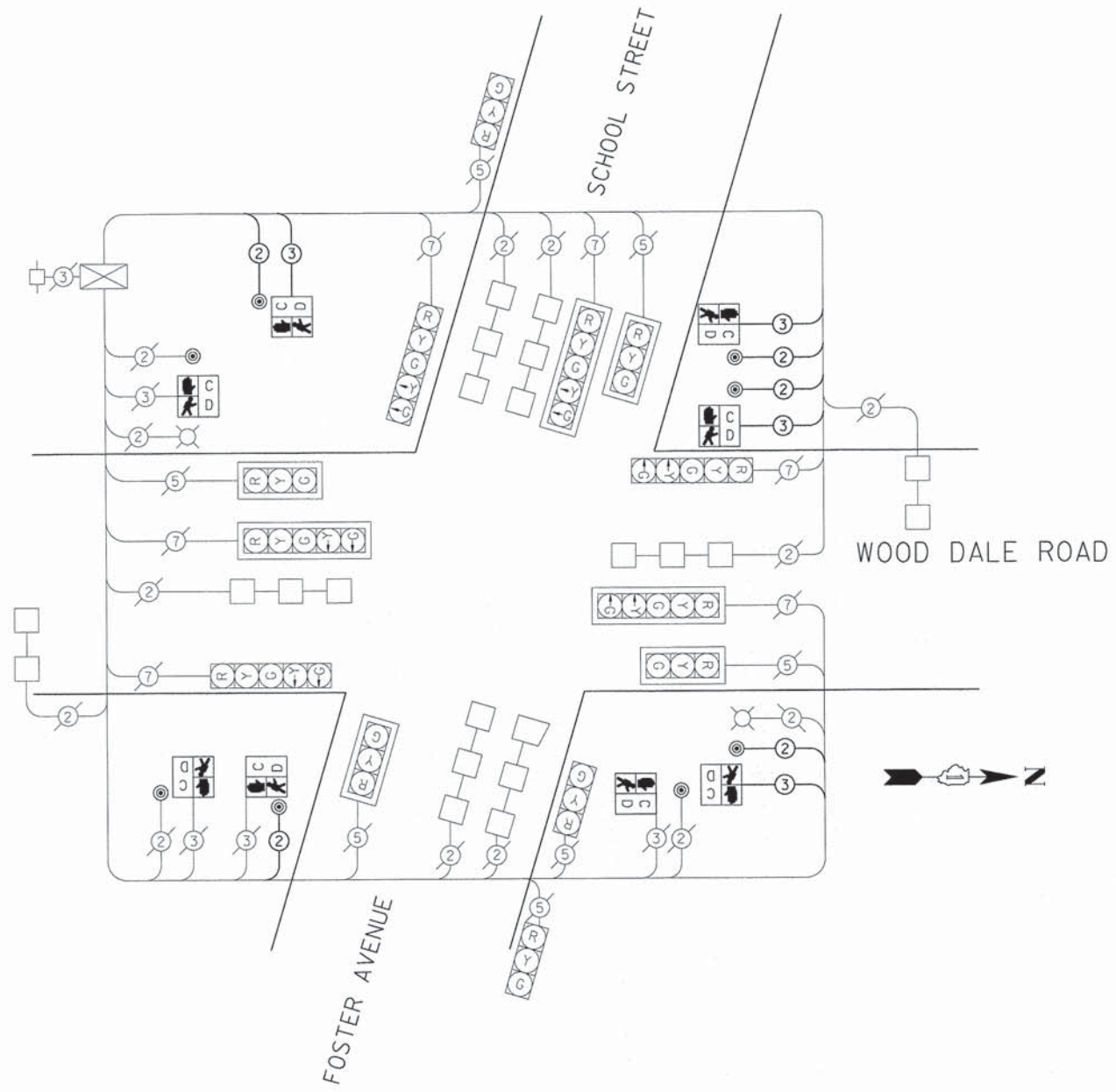
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CHECKED - MWP	REVISED -
DATE - 12/06/13	FILE - 130530SHT.TS.PLAN3.Foster.sht

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLAN
WOOD DALE ROAD AT SCHOOL STREET AND FOSTER AVE

SCALE: 1" = 20' STA. TO STA.

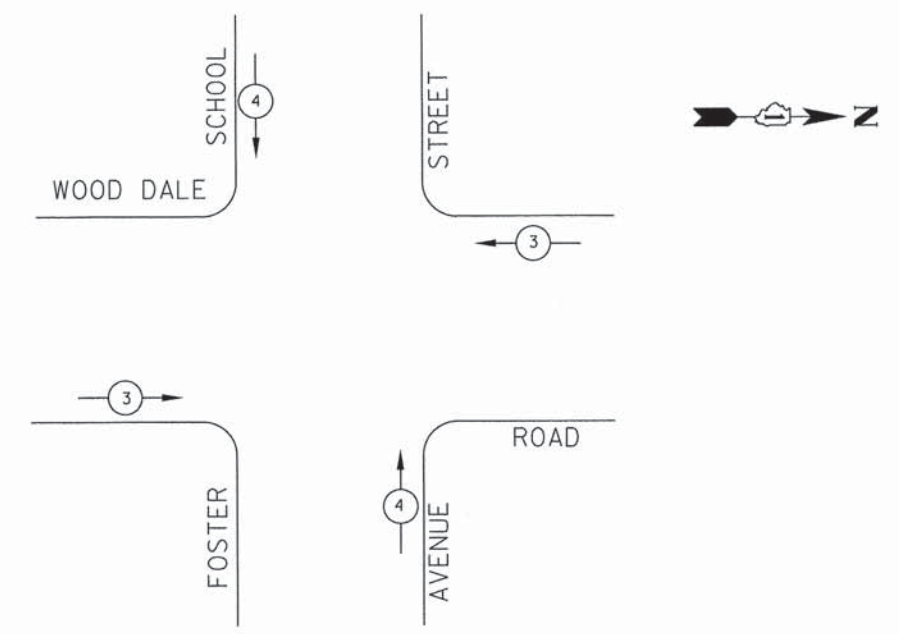
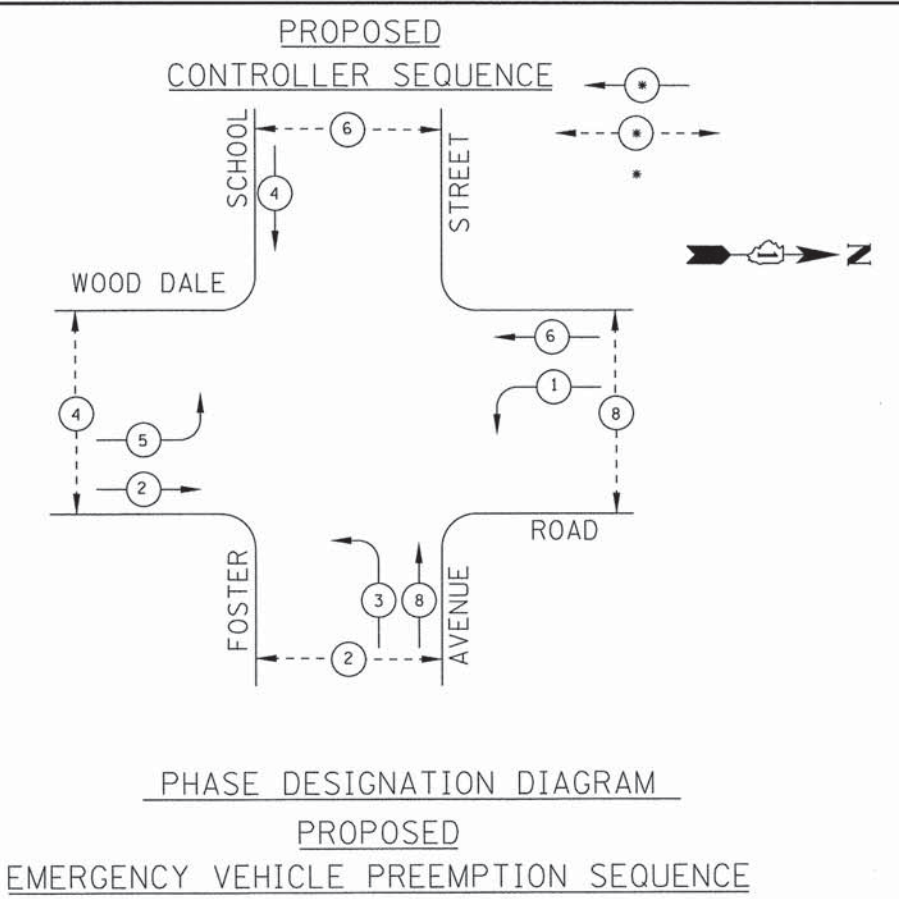
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652/2642	13-00049-00-5G	DUPAGE	28	20
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61A16	



CABLE PLAN
SCHEDULE OF QUANTITIES

- 3 EACH REMOVE EXISTING PEDESTRIAN PUSH BUTTON
- 8 EACH PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
- 8 EACH PEDESTRIAN PUSH-BUTTON
- 1,037 FOOT ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 12 2C
- 911 FOOT ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 12 3C
- 1 EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
- 1 EACH MODIFY EXISTING CONTROLLER
- 20 FOOT UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.
- 4 EACH REMOVE EXISTING PEDESTRIAN SIGNAL HEAD
- 1 EACH TRAFFIC SIGNAL POST, 10 FT.
- 4 FOOT CONCRETE FOUNDATION, TYPE A
- 1 EACH DRILL EXISTING HANDHOLE

I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS				TOTAL WATTAGE	
TYPE	NO. LAMPS	WATTAGE INCAND. LED	%OPERATION		
SIGNAL (RED)	12	135	17	0.50	810.00
(YELLOW)	12	135	25	0.25	405.00
(GREEN)	12	135	15	0.25	405.00
ARROW	6	135	12	0.10	81.00
PED. SIGNAL	8	90	25	1.00	200.00
CONTROLLER	1	100		1.00	100.00
ILLUM. SIGN			90	0.50	
VIDEO DET.			150	1.00	
LUMINAIRE					
FLASHER					
ENERGY COSTS TO: TOTAL =				2001.00	
DUPAGE COUNTY DIVISION OF TRANSPORTATION 421 N COUNTY FARM ROAD WHEATON, IL 60187					
ENERGY SUPPLY CONTACT: TED ZAWISLAK					
PHONE: 630-424-5706					
COMPANY: ComEd					



NOTES:
1. THE PRIORITY CONTROL SYSTEM EQUIPMENT SHALL MATCH THE EXISTING EQUIPMENT TYPE ON ADJACENT SIGNAL SYSTEMS.

PROPOSED EMERGENCY VEHICLE PREEMPTION		
EMERGENCY VEHICLE PREEMPTION	3	4
MOVEMENT	← →	↑ ↓

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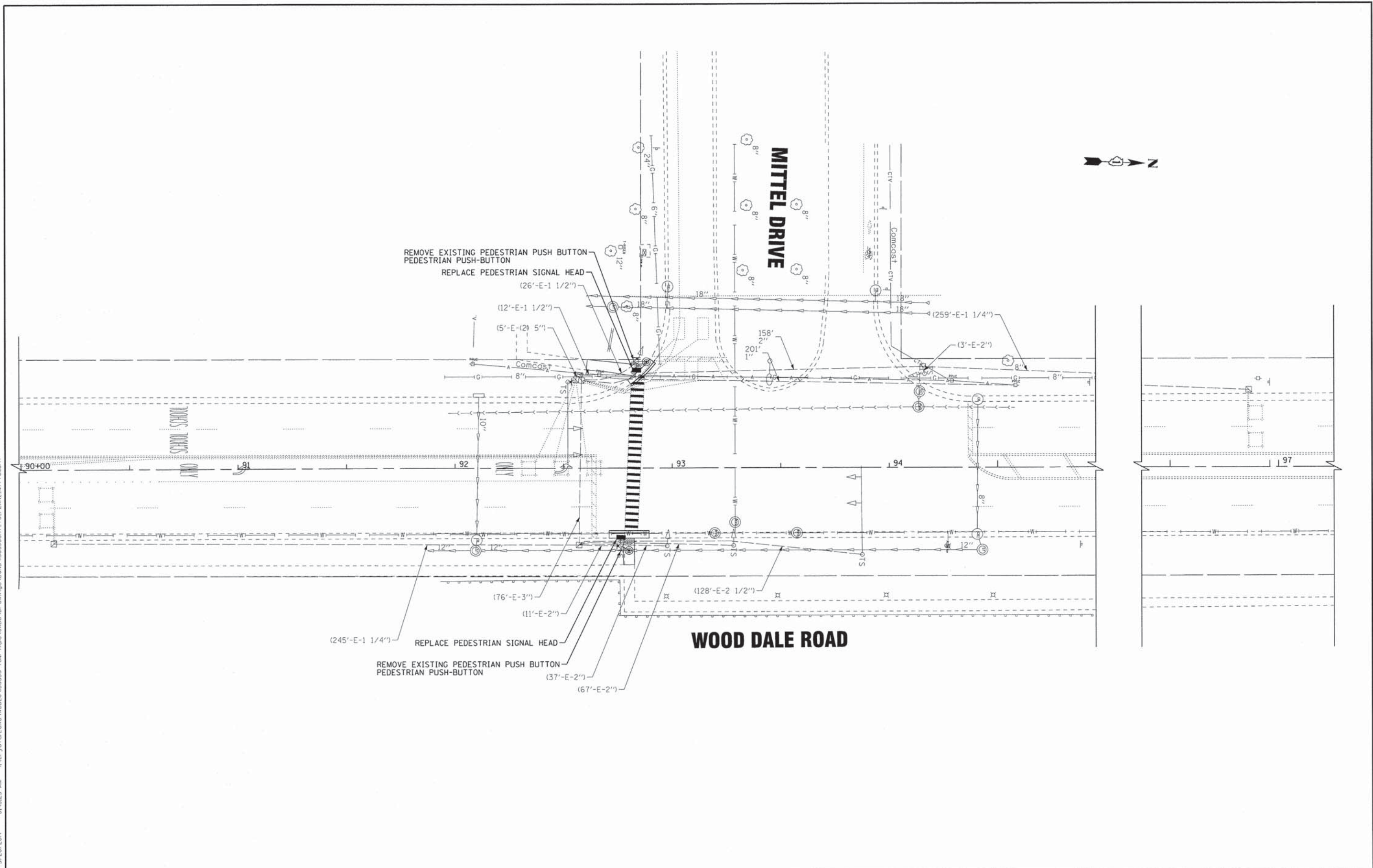
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DRAWN - CJC	REVISED -
CHECKED - MWP	REVISED -
DATE - 12/06/13	FILE - 130530SHT-TS-CABLE3.Foster.sht

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES, CABLE PLAN AND
PHASE DESIGNATION DIAGRAM
WOOD DALE ROAD AT SCHOOL STREET AND FOSTER AVENUE**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652/2642	13-00049-00-SG	DUPAGE	28	21
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61A16	

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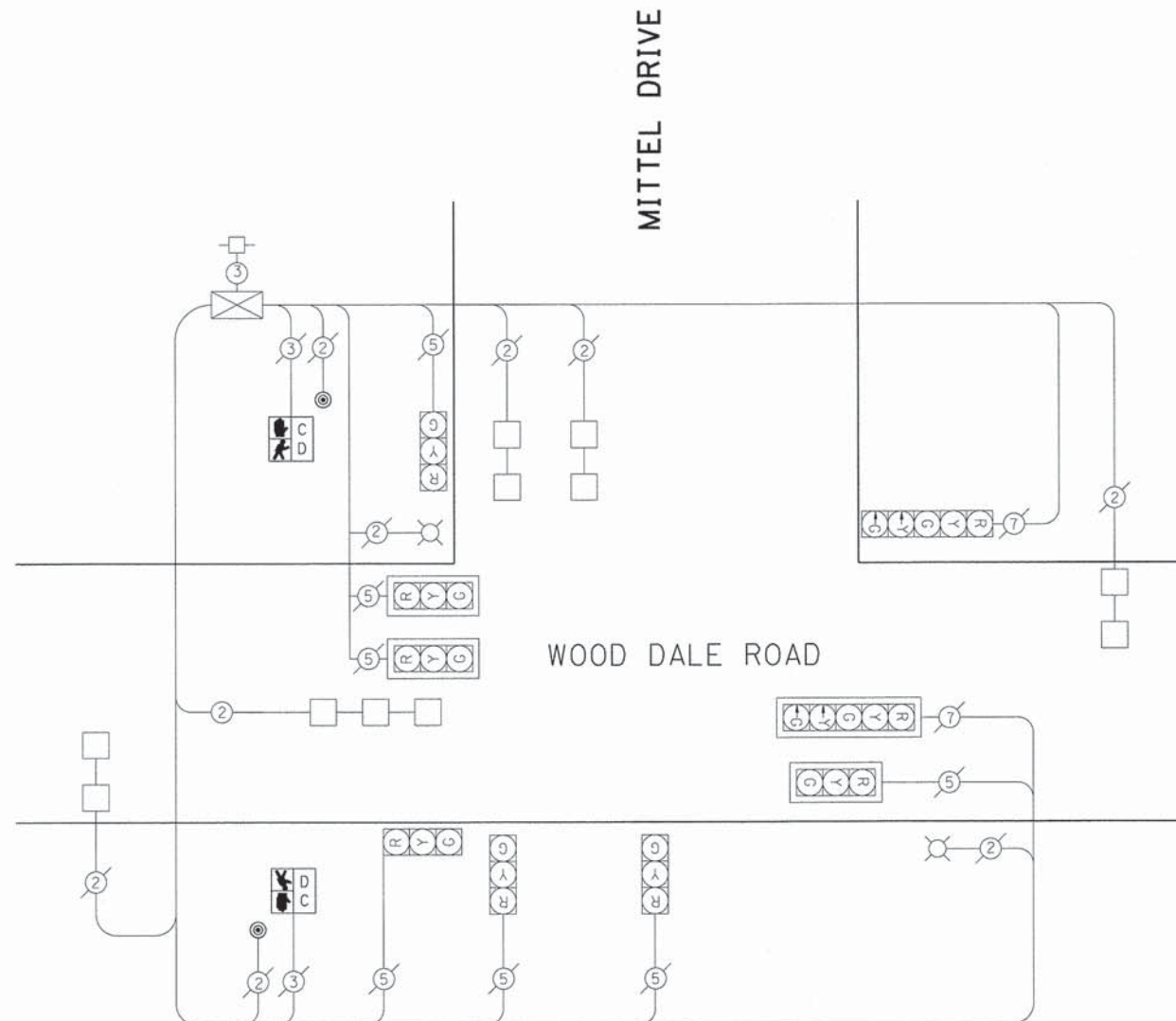


BAXTER & WOODMAN Consulting Engineers	DESIGNED - JDM	REVISED - DC DOT/JDOT 3-17-14
	DRAWN - CJC	REVISED -
	CHECKED - MWP	REVISED -
	DATE - 12/06/13	FILE - 130530SHT_TS.PLAN2.MIT+tbl.dwt

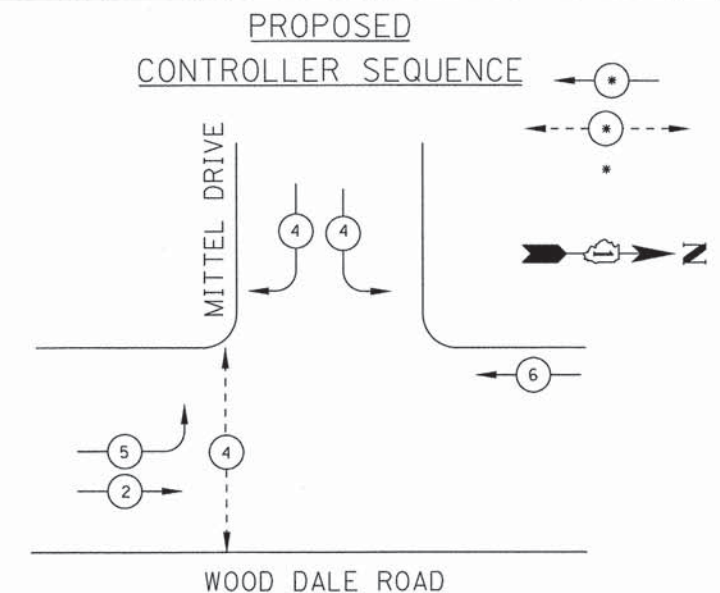
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL PLAN WOOD DALE ROAD AT MITTEL DRIVE	
SCALE: 1" = 20'	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652/2642	13-00049-00-SG	DUPAGE	28	22
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 61A16	

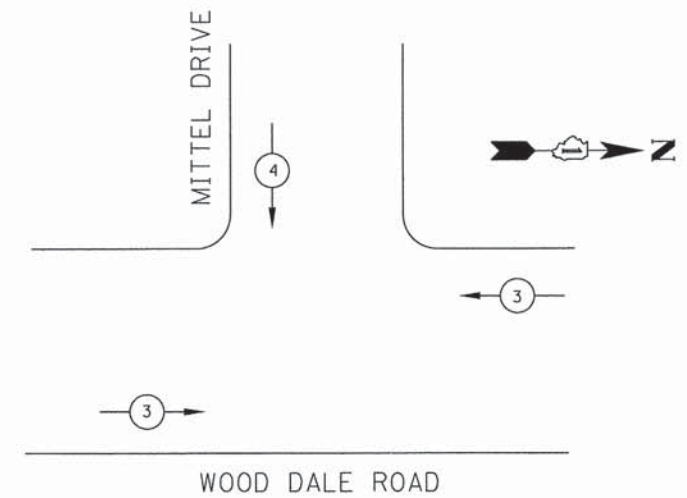


CABLE PLAN



PHASE DESIGNATION DIAGRAM

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



NOTES:

- 1. THE PRIORITY CONTROL SYSTEM EQUIPMENT SHALL MATCH THE EXISTING EQUIPMENT TYPE ON ADJACENT SIGNAL SYSTEMS.

PROPOSED EMERGENCY VEHICLE PREEMPTION		
EMERGENCY VEHICLE PREEMPTION	3	4
MOVEMENT	← →	↓

SCHEDULE OF QUANTITIES

- 2 EACH REMOVE EXISTING PEDESTRIAN PUSH BUTTON
- 2 EACH PEDESTRIAN PUSH-BUTTON
- 2 EACH PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER
- 1 EACH MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION
- 1 EACH MODIFY EXISTING CONTROLLER
- 2 EACH REMOVE EXISTING PEDESTRIAN SIGNAL HEAD

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	LED	%OPERATION	
SIGNAL (RED)	9	135	17	0.50	607.50
(YELLOW)	9	135	25	0.25	303.75
(GREEN)	9	135	15	0.25	303.75
ARROW	2	135	12	0.10	27.00
PED. SIGNAL	2	90	25	1.00	50.00
CONTROLLER	1	100		1.00	100.00
ILLUM. SIGN			90	0.50	
VIDEO DET. LUMINAIRE			150	1.00	
FLASHER					
ENERGY COSTS TO:				TOTAL =	1392.00
DUPAGE COUNTY DIVISION OF TRANSPORTATION 421 N COUNTY FARM ROAD WHEATON, IL 60187					
ENERGY SUPPLY CONTACT:		TED ZAWISLAK			
PHONE:		630-424-5706			
COMPANY:		ComEd			

DESIGNED - JDM	REVISED - DC DOT/IDOT 3-17-14
DRAWN - CJC	REVISED -
CHECKED - MWP	REVISED -
DATE - 12/06/13	FILE - 130530SHT-TS.CABLE2.Mittel.sht

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES, CABLE PLAN AND PHASE DESIGNATION DIAGRAM
WOOD DALE ROAD AND MITTEL DRIVE

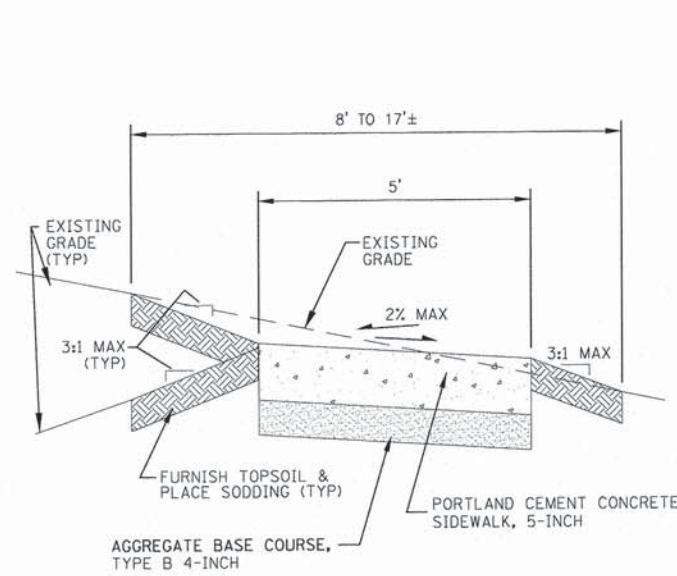
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STA. TO STA.

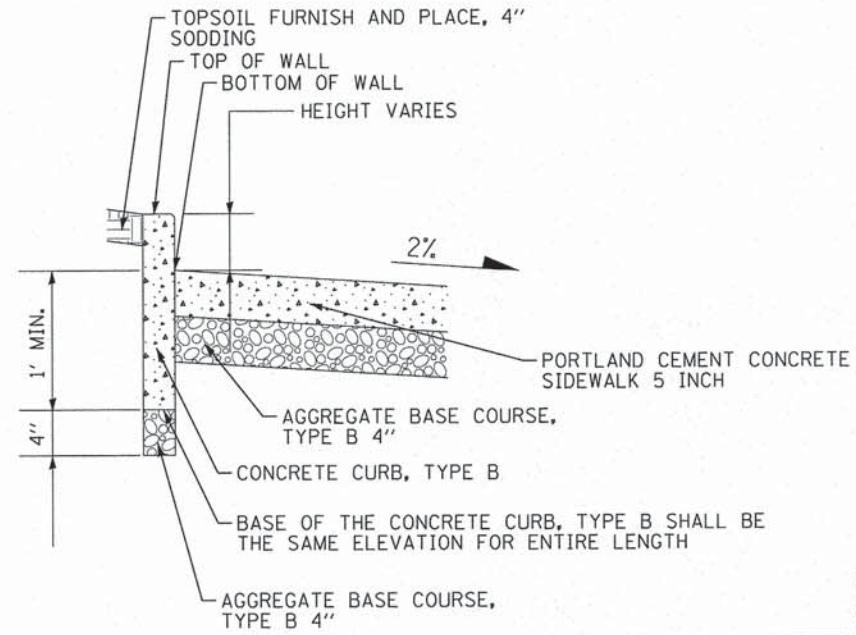
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652/2642	13-00049-00-SG	DUPAGE	28	23
CONTRACT NO. 61A16			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	

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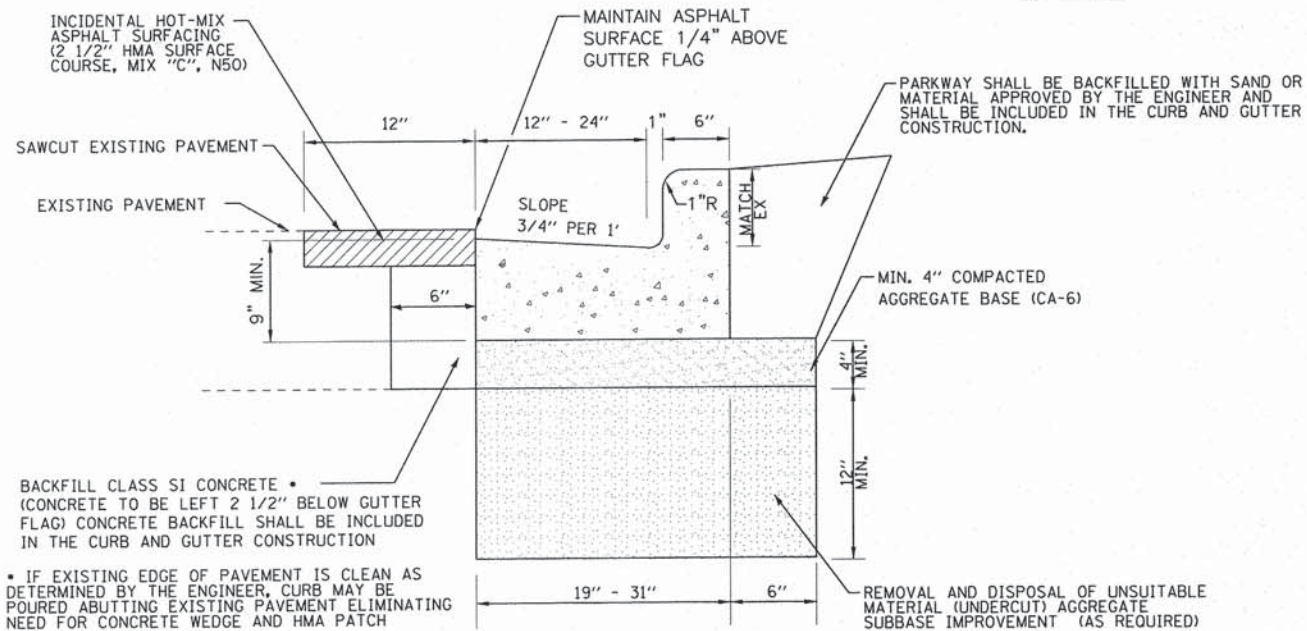




SIDEWALK DETAIL

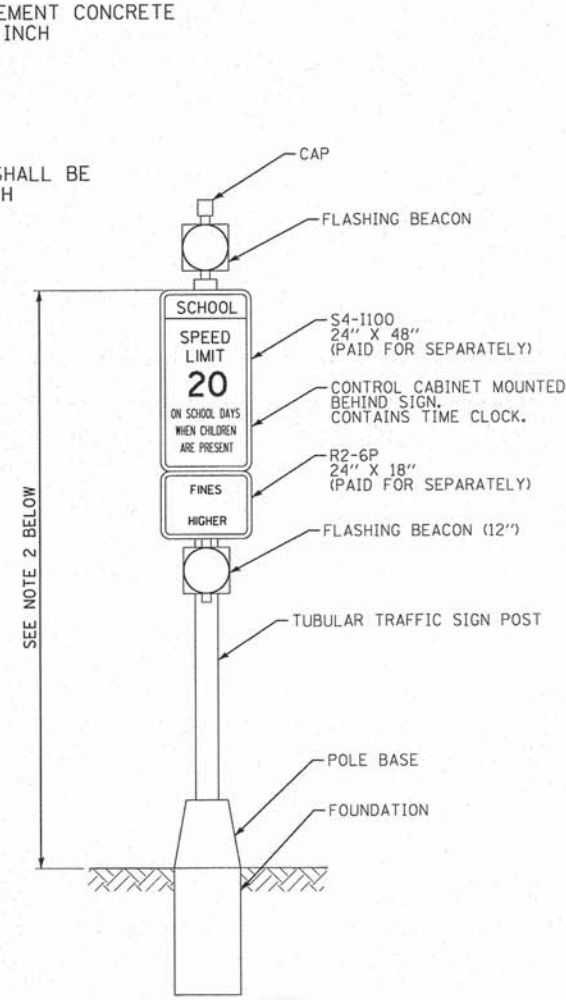


CONCRETE CURB, TYPE B DETAIL

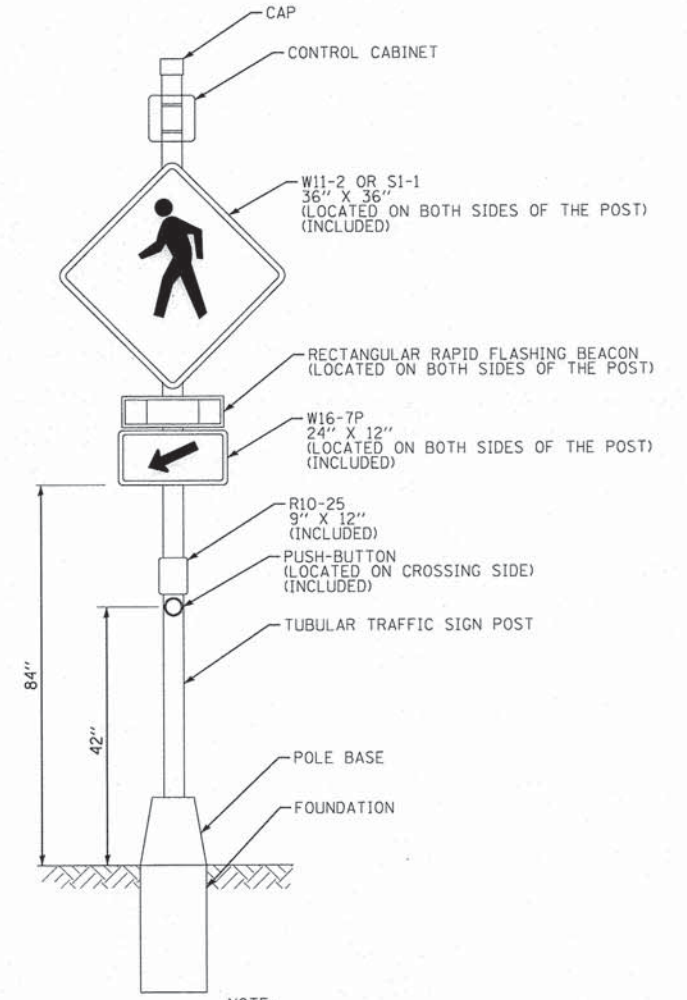


COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT

NO SCALE



POST MOUNTED FLASHING BEACON INSTALLATION DETAIL



POST MOUNTED FLASHING BEACON INSTALLATION (SPECIAL) DETAIL

- NOTES:
- 3/4" PREFORMED BITUMINOUS EXPANSION JOINT WITH TWO (2) NUMBER 6 COATED SMOOTH DOWEL BARS (3/4" DIAMETER X 18") WITH GREASE CAPS SHALL BE PLACED EVERY 150', 10' EITHER SIDE OF DRAINAGE STRUCTURES, P.C.'S, RADIUS POINTS AND BACK OF CUL-DE-SACS. WHEN EXPANSION JOINTS ARE CONSTRUCTED ADJACENT TO EXISTING CURB & GUTTER THE EXISTING CURB SHALL BE DRILLED AND TWO (2) NUMBER 6 COATED SMOOTH DOWEL BARS (3/4" DIAMETER X 18") SHALL BE GROUTED IN PLACE.
 - TOOLED CONTROL JOINTS OR SAWCUTS SHALL BE MADE EVERY 15'.
 - SAWCUTS SHALL BE MADE WITHIN TWENTY-FOUR (24) HOURS AND SEALED WITH A CITY APPROVED JOINT SEALANT. JOINTS SHALL BE CLEAN AND DRY PRIOR TO APPLICATION OF SEALANT.

- NOTE:
- ALL WIRING AND MOUNTING HARDWARE INCLUDED IN THIS ITEM.
 - CONTRACTOR SHALL VERIFY HEIGHT OF EXISTING SIGNS IN RELATION TO EXISTING GROUND AND ADJACENT PAVEMENT. CONTRACTOR SHALL REVIEW RECOMMENDED MOUNTING HEIGHTS WITH MATERIAL SUPPLIER, THEN SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO ORDERING MATERIALS.

- NOTE:
- ALL WIRING AND MOUNTING HARDWARE INCLUDED IN THIS ITEM.
 - APPLICABLE SIGNAGE AND BEACON LOCATED ON BOTH SIDES OF POST.

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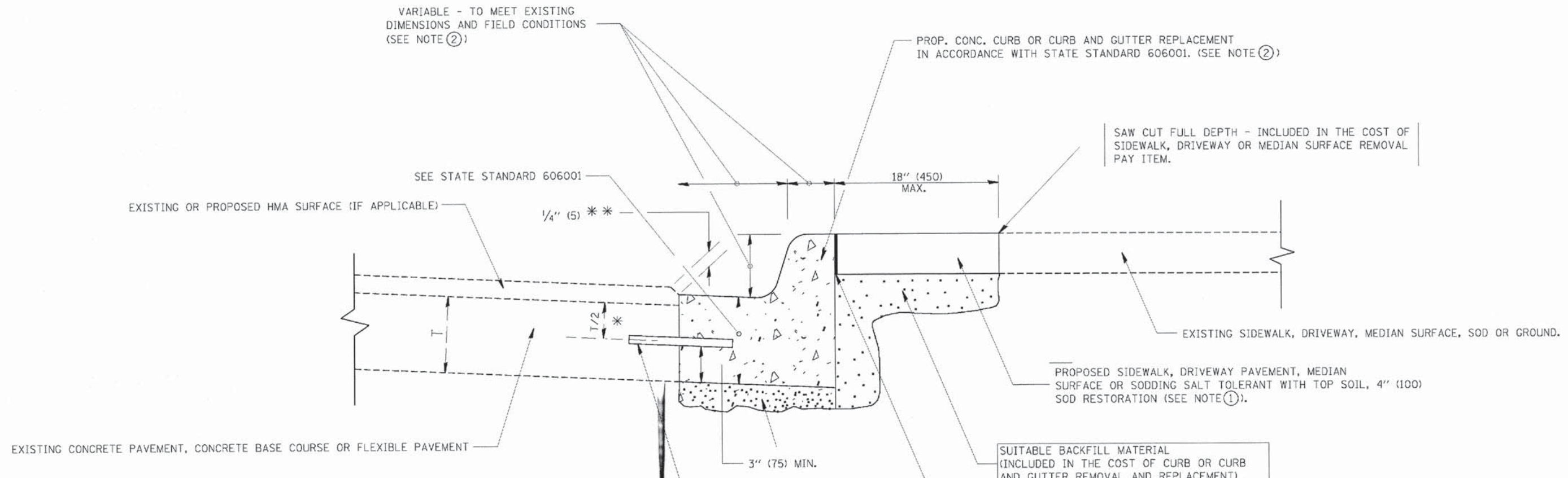
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DRAWN - CJC	REVISED -
CHECKED - MWP	REVISED -
DATE - 12/06/13	FILE - 130530SHT_Details.sht

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MISCELLANEOUS DETAILS

SCALE: NONE STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652/2642	13-00049-00-SG	DUPAGE	28	24
CONTRACT NO. 61A16				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



- * 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
- ** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

- NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.
SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY.
- ② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED
- ③ CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.
- ④ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.
- ⑤ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.
- ⑥ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.
- ⑦ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.
- ⑧ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

- UNSATISFACTORY SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.
- REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.
- REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
- PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

BASIS OF PAYMENT:
THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

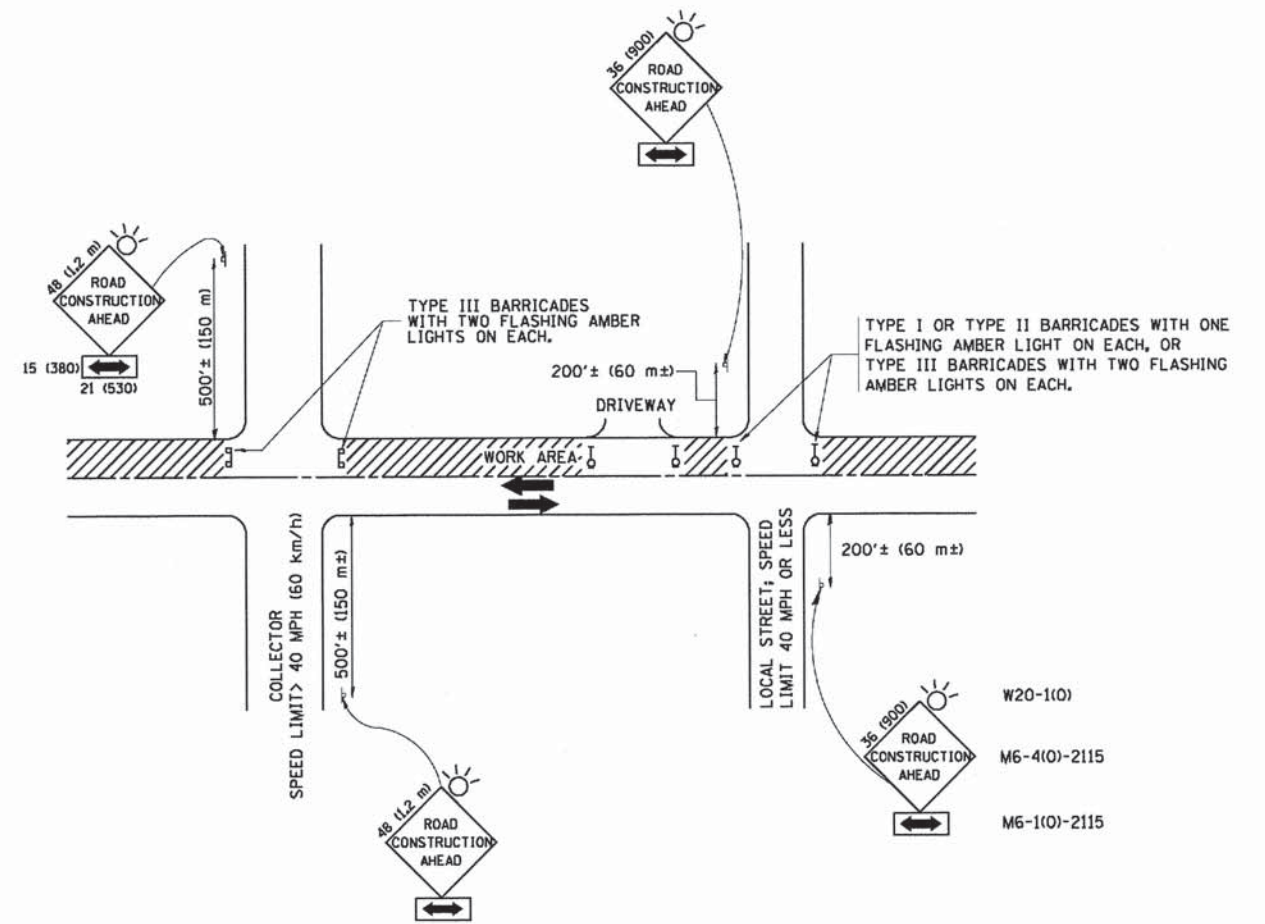
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DESIGNED	A. HOUSEH	REVISED	R. SHAH 10-03-96
DRAWN	-	REVISED	A. ABBAS 03-21-97
CHECKED	-	REVISED	M. GOMEZ 01-22-01
DATE	03-11-94	REVISED	R. BORO 12-15-09

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652/2642	13-00049-00-SG	DUPAGE	28	25
BD600-06 (BD-24)			CONTRACT NO. 61A16	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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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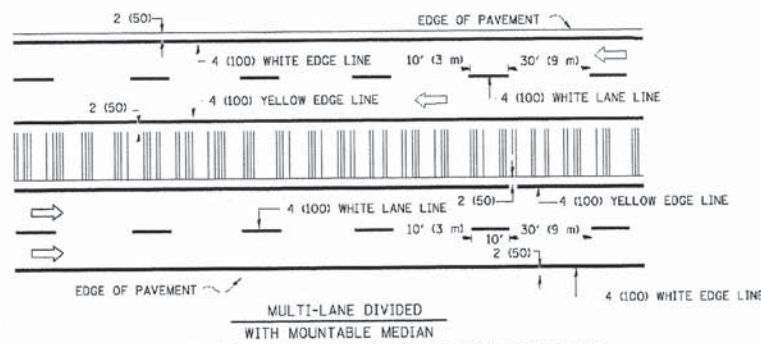
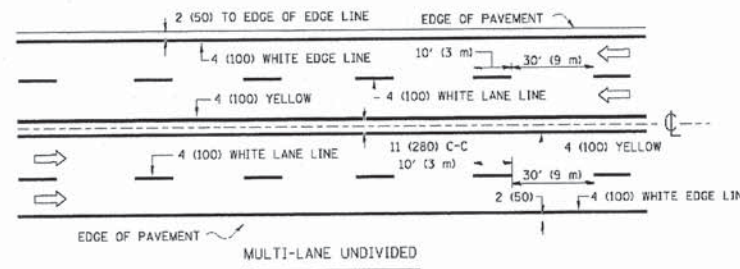
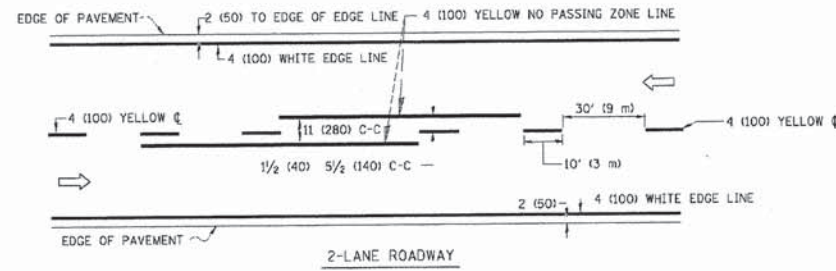
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		CHECKED -	REVISED - A. HOUSEH 10-15-96
		DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

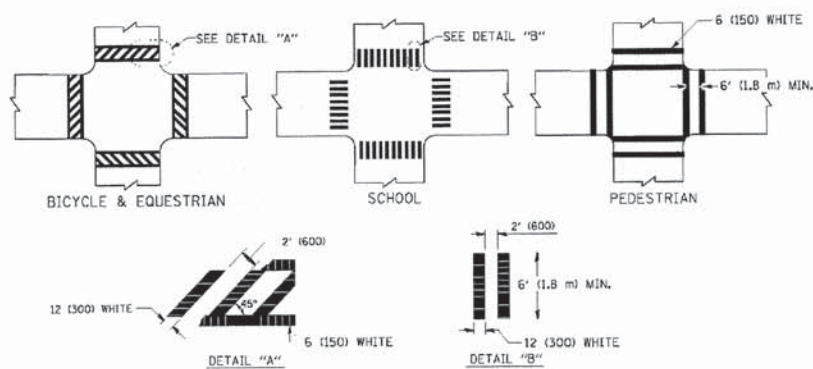
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F.A.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
262/2642	13-00049-00-SG	DUPAGE	28	26
TC-10			CONTRACT NO. 61A16	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

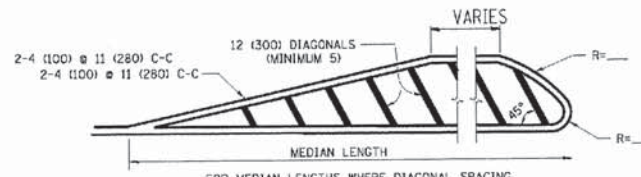
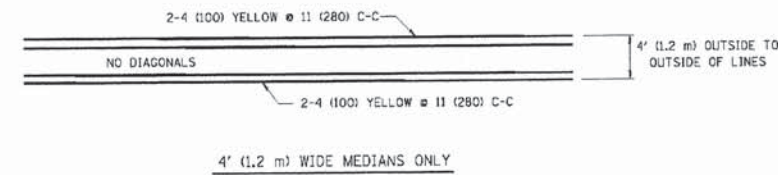


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING



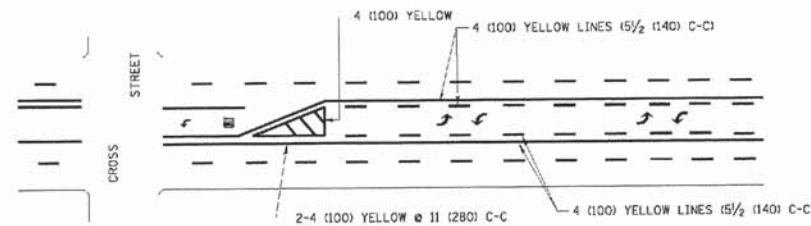
TYPICAL CROSSWALK MARKING



FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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 (MORE THAN 45MPH (70 km/h))

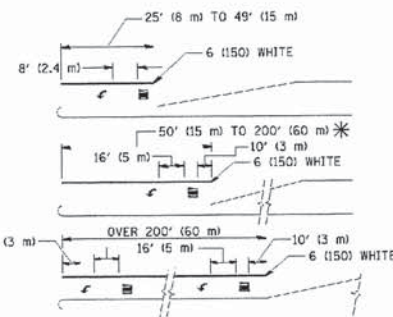
MEDIANS OVER 4' (1.2 m) WIDE



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.

MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

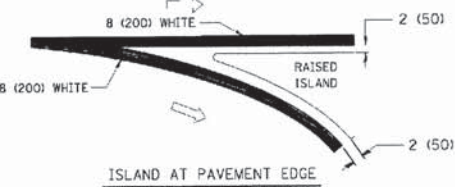
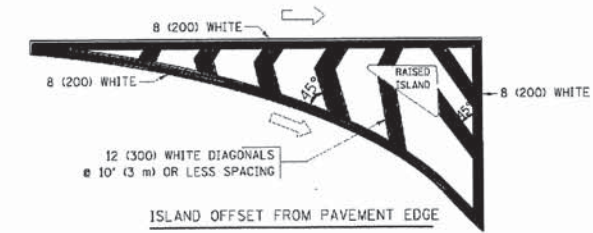


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
 AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

* 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 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 - PROFESSIONAL DESIGN FIRM
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 TEL: 815/480-2000 FAX: 815/480-2001
 www.baxterandwoodman.com

DESIGNED	EVERS	REVISED	T. RAMMACHER 10-27-94
DRAWN	-	REVISED	- C. JUCIUS 09-09-09
CHECKED	-	REVISED	-
DATE	03-19-90	REVISED	-

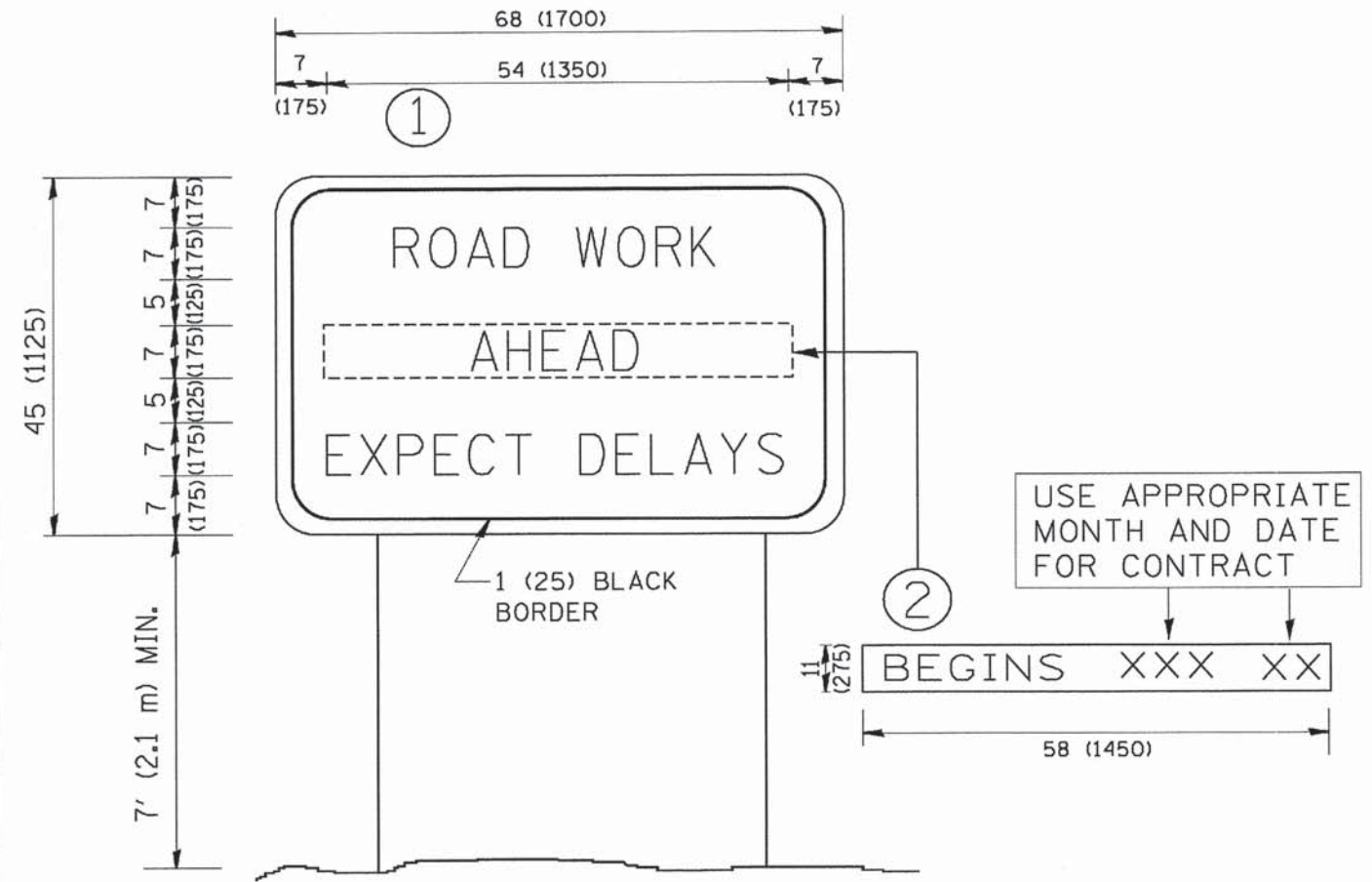
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
 TYPICAL PAVEMENT MARKINGS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2652/2642	13-00049-00-SG	DUPAGE	28	27
TC-13		CONTRACT NO. 61A16		
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				

DRAWING: 6116 BY BAXTER & WOODMAN, INC.
 STATE OF ILLINOIS PROFESSIONAL DESIGN FIRM
 LICENSE NO. 184-00091 - EXPRESS - 4/30/2005
 3/20/2004 8:49:07 AM
 I:\CrystalLake\WDD\0305030-TDM\Imps\CADD\Drawings\DISTRICT ONE DETAILS - TC-11F.dgn



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.

FILE NAME = W:\distate\22x34\to22.dgn	USER NAME = gaglienobs	DESIGNED - DRAWN -	REVISED - REVISED -
PLOT SCALE = 50.000 1/ IN.	CHECKED -	DESIGNED - R. MIRS 09-15-97	REVISED - R. MIRS 12-11-97
PLOT DATE = 1/4/2008	DATE -	REVISED - T. RAMMACHER 02-02-99	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA. TO STA.		ARTERIAL ROAD INFORMATION SIGN		F.A.L. RTE. 2652/2642	SECTION 13-00049-00-SG	COUNTY DUPAGE	TOTAL SHEETS 28	SHEET NO. 28
						TC-22		CONTRACT NO. 61A16		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		