

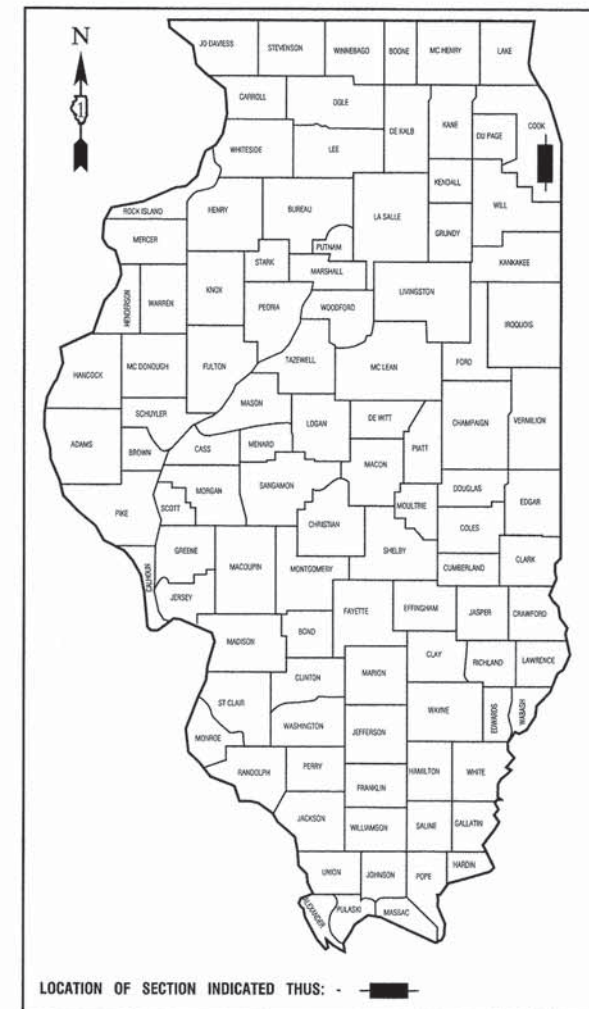
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PLANS FOR PROPOSED
FEDERAL AID HIGHWAY**

FAP 350 (CICERO AVENUE)
123RD STREET TO 119TH STREET
115TH STREET TO 111TH STREET
SIDEWALK CONSTRUCTION
PROJECT NO.: M-9003(782)
SECTION NO.: 10-00089-00-SW
VILLAGE of ALSIP
COOK COUNTY
JOB NO.: C-91-373-11

F. A. P. ETE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	10-00089-00-SW	COOK	38	1
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT M-9003(782)	

CONTRACT #63890



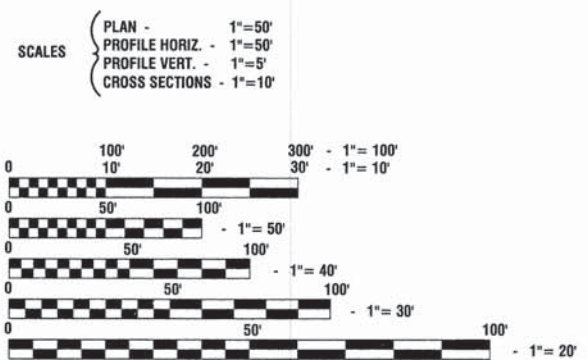
INDEX OF SHEETS

1. COVER SHEET, INDEX OF SHEETS & STATE STANDARDS
- 2.-3. SUMMARY OF QUANTITIES & GENERAL NOTES
4. TYPICAL CROSS SECTIONS
- 5.-7. PLAN & PROFILE
- 8.-19. PEDESTRIAN SIGNAL PLANS
- 20.-35. CROSS SECTIONS
- 36.-38. IDOT DISTRICT 1 STANDARD DETAILS

HIGHWAY STANDARDS

- | | |
|-----------|--|
| 000001-06 | STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS |
| 424001-07 | PERPENDICULAR CURB RAMPS FOR SIDEWALKS |
| 424011-01 | CORNER PARALLEL CURB RAMPS FOR SIDEWALKS |
| 424021-02 | DEPRESSED CORNER FOR SIDEWALKS |
| 424026-01 | ENTRANCE / ALLEY PEDESTRIAN CROSSINGS |
| 442201-03 | CLASS C AND D PATCHES |
| 606001-05 | CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER |
| 701101-04 | OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5m) TO 24' (600mm) FROM PAVEMENT EDGE |
| 701601-09 | URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN |
| 701602-07 | URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE |
| 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 |
| 720011-01 | METAL POST FOR SIGNS, MARKERS AND DELINEATORS |
| 728001-01 | TELESCOPING STEEL SIGN SUPPORT |
| 729001-01 | APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS AND MARKERS) |
| 731001-01 | BASE FOR TELESCOPING STEEL SIGN SUPPORT |
| 876001-03 | PEDESTRIAN PUSH BUTTON POST |
| 880006-01 | TRAFFIC SIGNAL MOUNTING DETAILS |

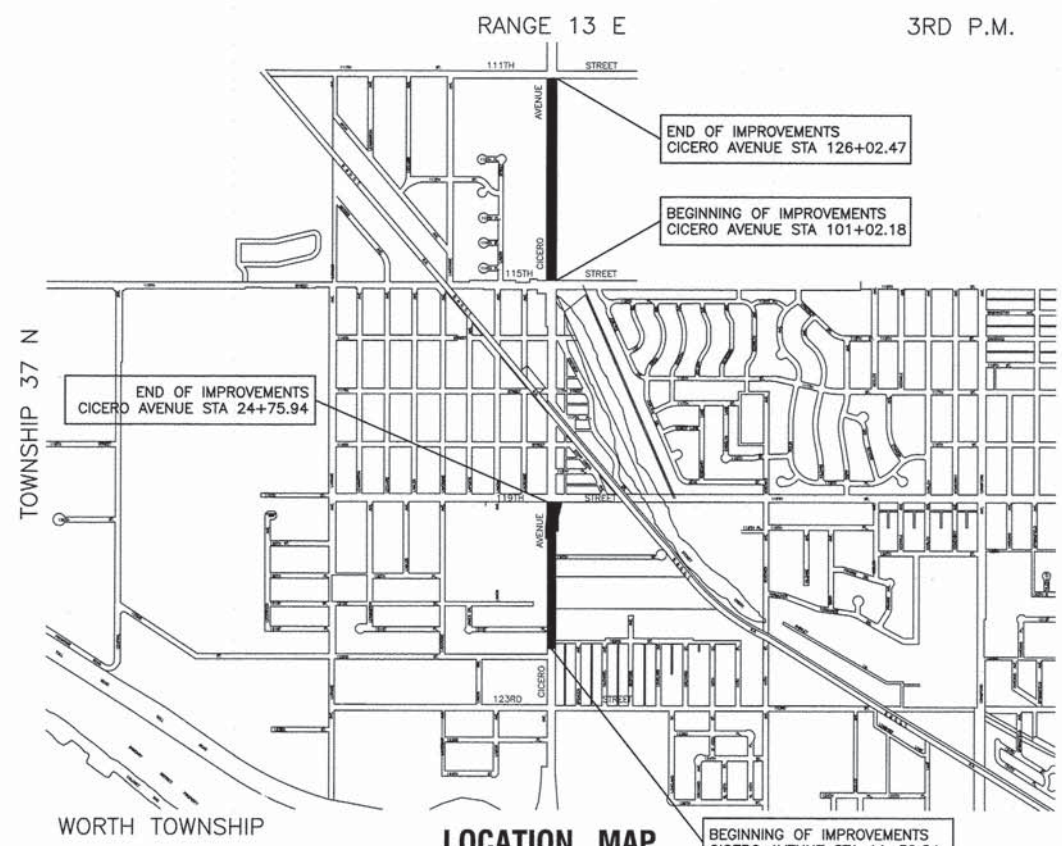
DESIGN DESIGNATION - STRATEGIC REGIONAL ARTERIAL
POSTED SPEED LIMIT - 35 MPH
TRAFFIC = 41,200 VPD



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

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

CONTRACT NO. 63890



GROSS LENGTH= 3,825.39 FEET= 0.725 MILES
NET LENGTH= 3,825.39 FEET= 0.725 MILES



STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

Approved: 11/4/13
Butterfield
President, Village of Alsip

Passed: DECEMBER 10, 2013
C. J. Holt
District 1 Engineer of Local Roads & Streets

Released for Bid Based on Limited Review: December 17, 2013
John Fortin
Deputy Director of Highways, Region 1 Engineer

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

PREPARED BY OR UNDER THE DIRECT SUPERVISION OF:
Thomas R. Lang
11/4/13

THOMAS R. LANG
62-3845
REGISTERED PROFESSIONAL ENGINEER
STATE OF ILLINOIS
LICENSE EXPIRES: 11/30/13

PROGRAMMING AND OFFICE ENGINEER: CHARLES RIDDLE, PE 847-705-4406
CONSULTANTS: ROBINSON ENGINEERING, LTD. 708-331-6700

SUMMARY OF QUANTITIES					CONSTRUCTION TYPE CODE
S.I.	CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	0021
	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	30	30
	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	18	18
	20200100	EARTH EXCAVATION	CU YD	1141	1141
*	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	2203	2203
*	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	30	30
*	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	30	30
*	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	30	30
*	25200110	SODDING, SALT TOLERANT	SQ YD	2203	2203
*	25200200	SUPPLEMENTAL WATERING	UNIT	33	33
	31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	3545	3545
	40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	90	90
	42300300	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH	SQ YD	157	157
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	30500	30500
	42400400	PORTLAND CEMENT CONCRETE SIDEWALK 7 INCH	SQ FT	1405	1405
	42400800	DETECTABLE WARNINGS	SQ FT	530	530
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	299	299
	44000300	CURB REMOVAL	FOOT	240	240
	44000600	SIDEWALK REMOVAL	SQ FT	975	975
~	* 44201737	CLASS D PATCHES, TYPE I, 8 INCH	SQ YD	15	15
	* 56400100	FIRE HYDRANTS TO BE MOVED	EACH	1	1
~	* 56500600	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	5	5
	* 60255500	MANHOLES TO BE ADJUSTED	EACH	13	13

* - INDICATES SPECIALTY ITEMS
~ - INDICATES SPECIAL PROVISIONS

SUMMARY OF QUANTITIES					CONSTRUCTION TYPE CODE
S.I.	CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	0021
*	60265700	VALVE VAULTS TO BE ADJUSTED	EACH	7	7
*	60266600	VALVE BOXES TO BE ADJUSTED	EACH	5	5
	60600605	CONCRETE CURB, TYPE B	FOOT	240	240
*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	410	410
*	66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1	1
*	66900530	SOIL DISPOSAL ANALYSIS	EACH	6	6
	67100100	MOBILIZATION	L SUM	1	1
	70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	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
*	72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	3	3
*	72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	3	3
*	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	16	16
*	72900100	METAL POST - TYPE A	FOOT	26	26
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	701	701
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	131	131
*	78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	56	56
*	78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	50	50
*	78300100	PAVEMENT MARKING REMOVAL	SQ FT	292	292
*	81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	21	21
~	* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	3	3

* - INDICATES SPECIALTY ITEMS
~ - INDICATES SPECIAL PROVISIONS

FILE NAME = 10372_02-QUAN-01 - IDOT P01

USER NAME =	DESIGNED -- TRL	REVISED --
CHECKED -- TRL	REVISIONS --	
PLOT SCALE =	DRAWN -- RG	REVISED --
PLOT DATE = 11-05-13	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK CONSTRUCTION
FAP 350 (CICERO AVENUE)
SUMMARY OF QUANTITIES

F.A.P. RTE. 350	SECTION 10-00089-00-SW	COUNTY COOK	TOTAL SHEETS 38	SHEET NO. 2
CONTRACT NO. 63890				
SCALE: NONE SHEET NO. 2 OF 38 SHEETS STA. TO STA. FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(782)				

SUMMARY OF QUANTITIES					CONSTRUCTION TYPE CODE
S.I.	CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	0021
*	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2C	FOOT	1987	1987
*	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3C	FOOT	1987	1987
~	*	87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	2 2
~	*	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	8 8
	*	87900200	DRILL EXISTING HANDHOLE	EACH	1 1
~	*	88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8 8
~	*	88102747	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2 2
~	*	88800100	PEDESTRIAN PUSH-BUTTON	EACH	8 8
~	*	89502200	MODIFY EXISTING CONTROLLER	EACH	3 3
	*	B2005616	TREE, PYRUS CALLERYANA BRADFORD (BRAD FORD CALLERY PEAR), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	3 3
~	*	Z0004514	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4"	SQ YD	285 285
~	*	Z0004530	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 8"	SQ YD	131 131
~		Z0004562	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	230 230
~	*	Z0033044	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	3 3

* - INDICATES SPECIALTY ITEMS
~ - INDICATES SPECIAL PROVISIONS

GENERAL NOTES

- BEFORE STARTING ANY EXCAVATION THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT (800) 892-0123 AND (312) 744-7000 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. (48 HOUR NOTIFICATION REQUIRED)
- UTILITIES INDICATED ON THE PLANS ARE PROVIDED FOR THE CONTRACTORS USE AND ARE BASED UPON INFORMATION AVAILABLE AT THE TIME OF THE ADVERTISEMENT FOR BIDS. THE OWNER AND ENGINEER DO NOT GUARANTEE THE ACCURACY OF UTILITY INFORMATION.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- THE REMOVAL AND/OR REPLACEMENT OF ANY DRIVEWAYS, PAVEMENT, CURB, SIDEWALK, ETC. SHALL BE ACCOMPLISHED BY MEANS OF A SAW CUT JOINT, AT THE DIRECTION OF THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT PRICE FOR THE VARIOUS ITEMS.
- ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF DITCHES, GUTTERS OR OTHER DRAINAGE STRUCTURES SHALL BE REMOVED BY THE END OF EACH DAY BY THE CONTRACTOR AT THEIR EXPENSE.
- PLANTER BLOCKS THAT ARE INDICATED TO BE REMOVED, OR FALL WITHIN THE PROPOSED SIDEWALK LIMITS, SHALL BE PLACED ON THE RIGHT-OF-WAY FOR THE PROPERTY OWNER TO USE. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE FOR EARTH EXCAVATION.
- EXISTING TREES 6 INCH OR SMALLER, IF IN CONFLICT AND DETERMINED BY THE ENGINEER, SHALL BE REMOVED AND STORED ON THE PARKWAY FOR THE OWNER TO USE AS THEY DETERMINE. THE WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE FOR TREE REMOVAL, 6 TO 15 UNITS DIAMETER.
- EXISTING DECORATIVE LANDSCAPE ROCK, IF DISTURBED DURING THE EXCAVATION, SHALL BE RE-USED AND PLACED ADJACENT TO THE SIDEWALK IN LIEU OF SODDING OR HMA MATERIALS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT PRICE FOR EARTH EXCAVATION.

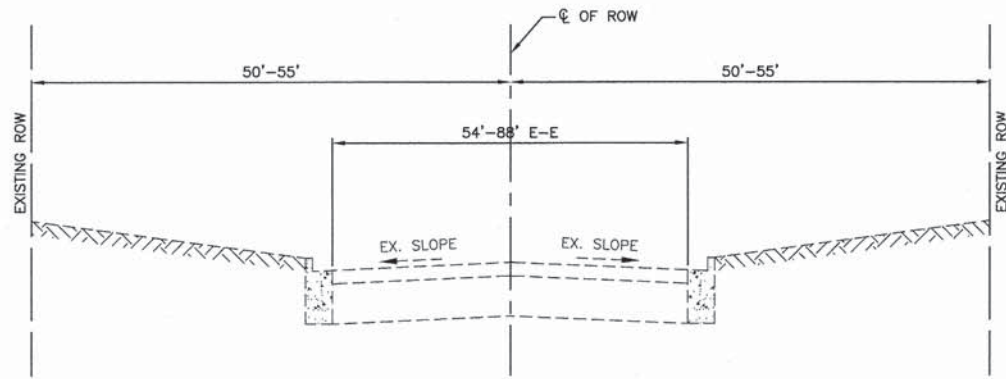
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USER NAME =	DESIGNED -- TRL	REVISED --
	CHECKED -- TRL	REVISED --
PLOT SCALE =	DRAWN -- RG	REVISED --
PLOT DATE = 11-05-13	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

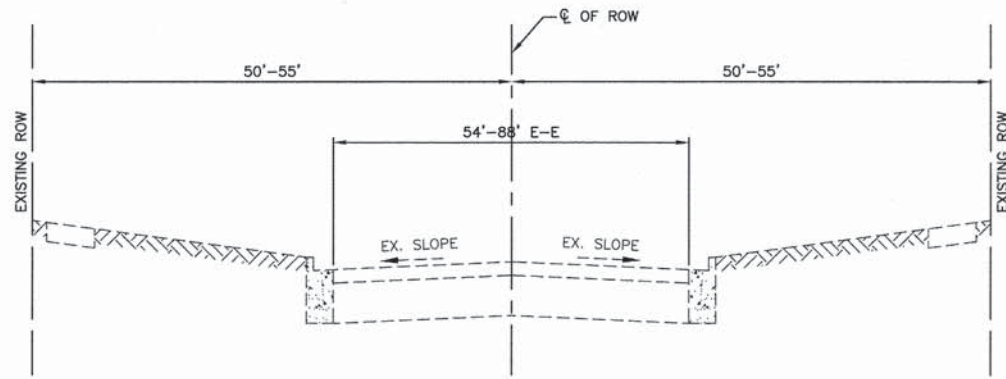
SIDWALK CONSTRUCTION FAP 350 (CICERO AVENUE) SUMMARY OF QUANTITIES		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		350	10-00089-00-SW	COOK	38	3
SCALE: NONE		SHEET NO. 3 OF 38 SHEETS		STA.	TO STA.	
		FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	M-9003(782)	

PRINTED BY: BRONKHORST
PLOT DATE: 11-05-13



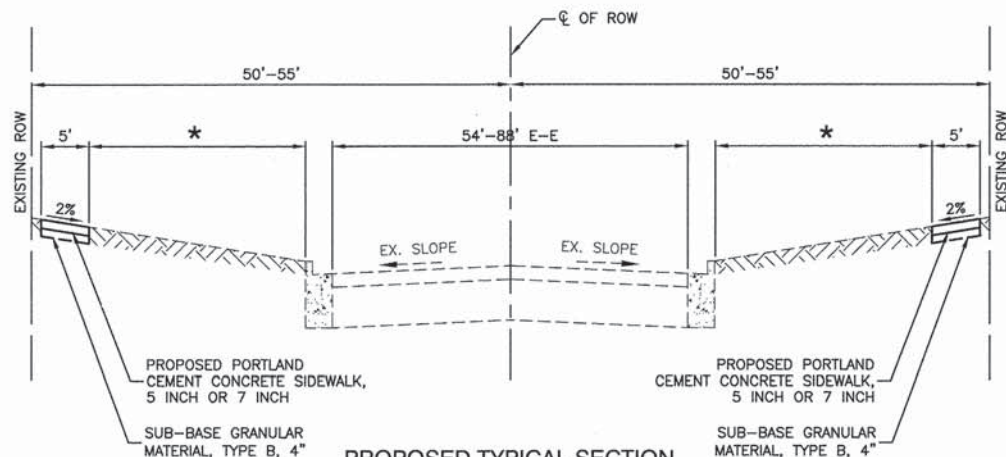
EXISTING TYPICAL SECTION

EXISTING NO SIDEWALK
 STA 11+50.84 TO STA 24+55.58 LT
 STA 13+79 TO STA 15+05.66 RT
 STA 17+62.61 TO STA 24+75.94 RT
 STA 101+02.18 TO STA 110+61.56 LT
 STA 100+50 TO STA 126+02.01 RT
 STA 116+18.16 TO STA 126+02.47 LT



EXISTING TYPICAL SECTION

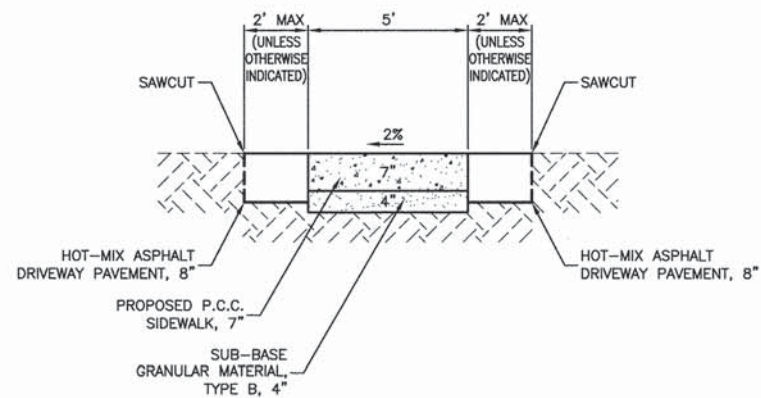
SIDEWALK PRESENT
 STA 15+05.66 TO STA 17+62.61 RT
 STA 110+90.33 TO STA 115+94.10 LT



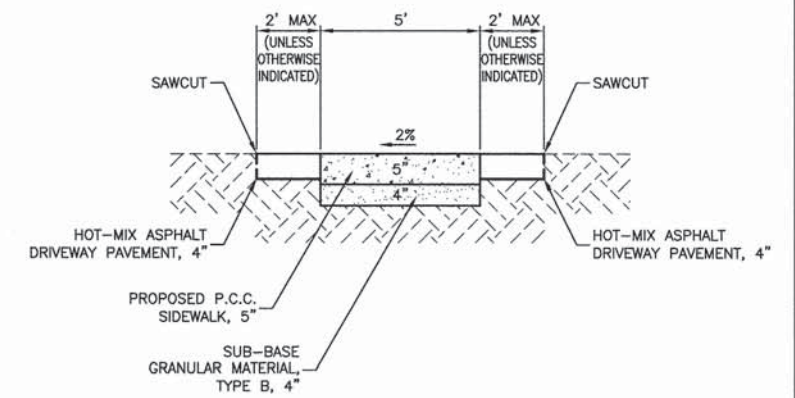
PROPOSED TYPICAL SECTION

SIDEWALK LOCATED AWAY FROM CURB
 STA 11+50.84 TO STA 24+55.58 LT
 STA 13+79 TO STA 24+75.94 RT
 STA 101+02.18 TO STA 107+60 LT
 STA 109+00.04 TO STA 110+56.54 LT
 STA 116+18.16 TO STA 119+96.75 LT
 STA 100+50 TO STA 126+02.01 RT

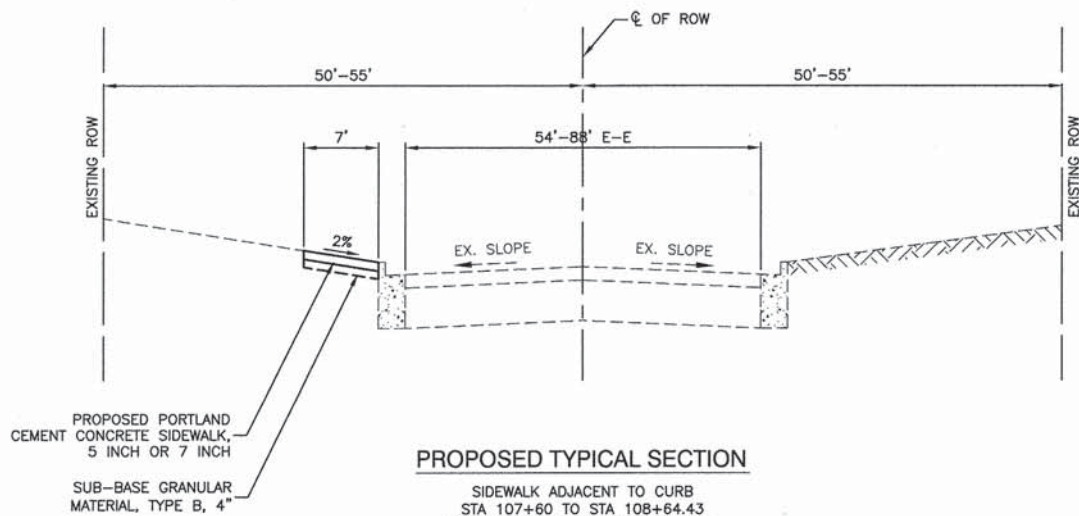
* VARIES - SEE PLANS



TYPICAL SIDEWALK DETAIL THROUGH ASPHALT DRIVEWAY

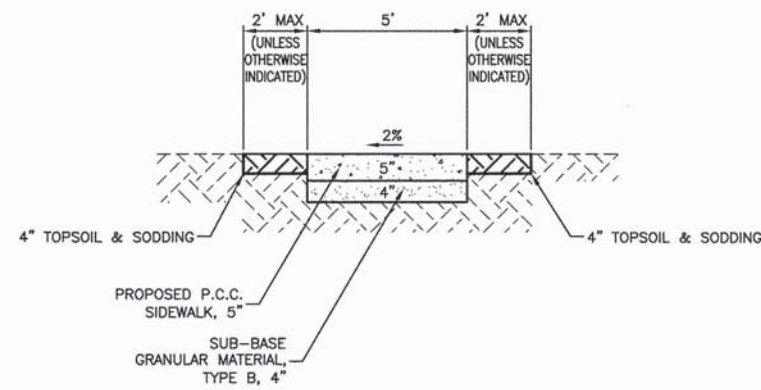


TYPICAL SIDEWALK DETAIL THROUGH ASPHALT PARKWAY



PROPOSED TYPICAL SECTION

SIDEWALK ADJACENT TO CURB
 STA 107+60 TO STA 108+64.43
 STA 120+26.52 TO STA 126+02.47



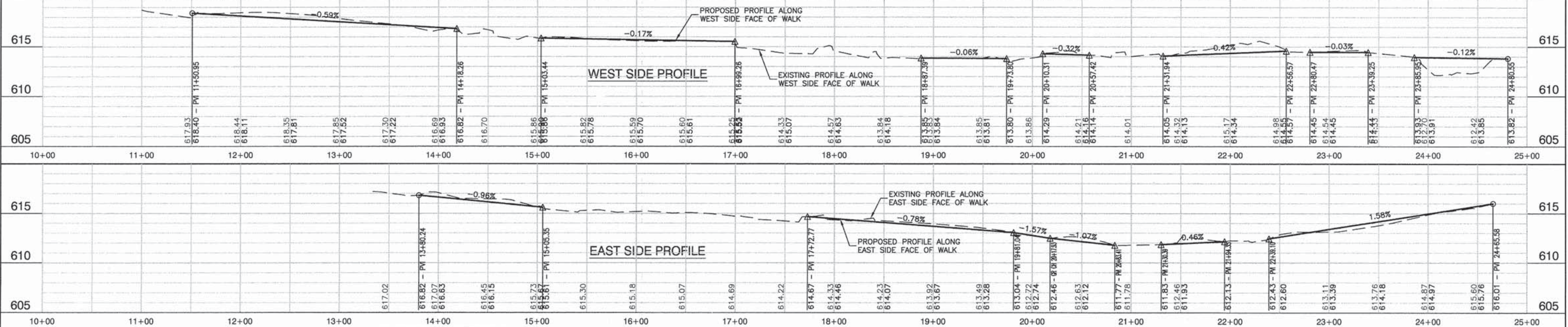
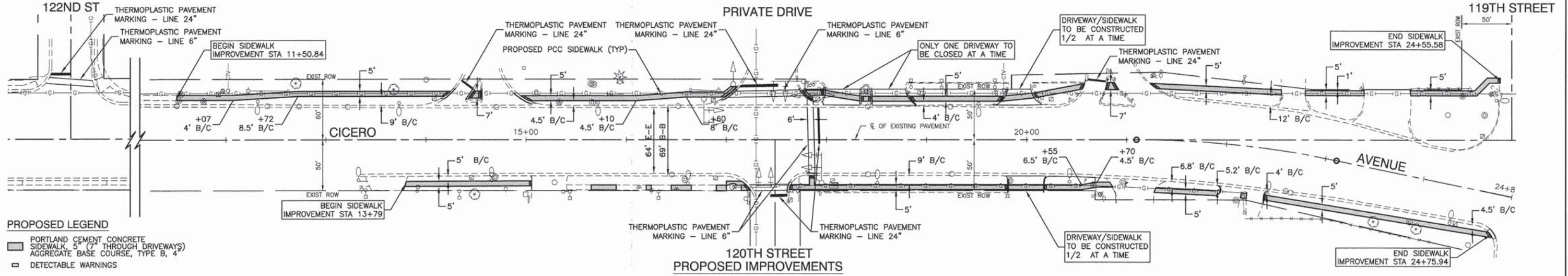
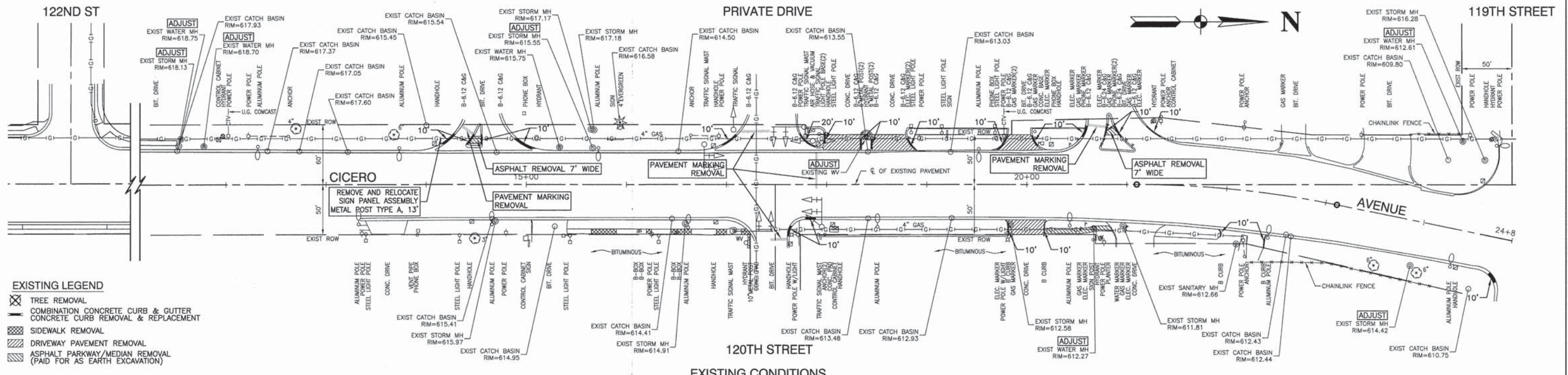
TYPICAL SIDEWALK DETAIL THROUGH GRASSED PARKWAY

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

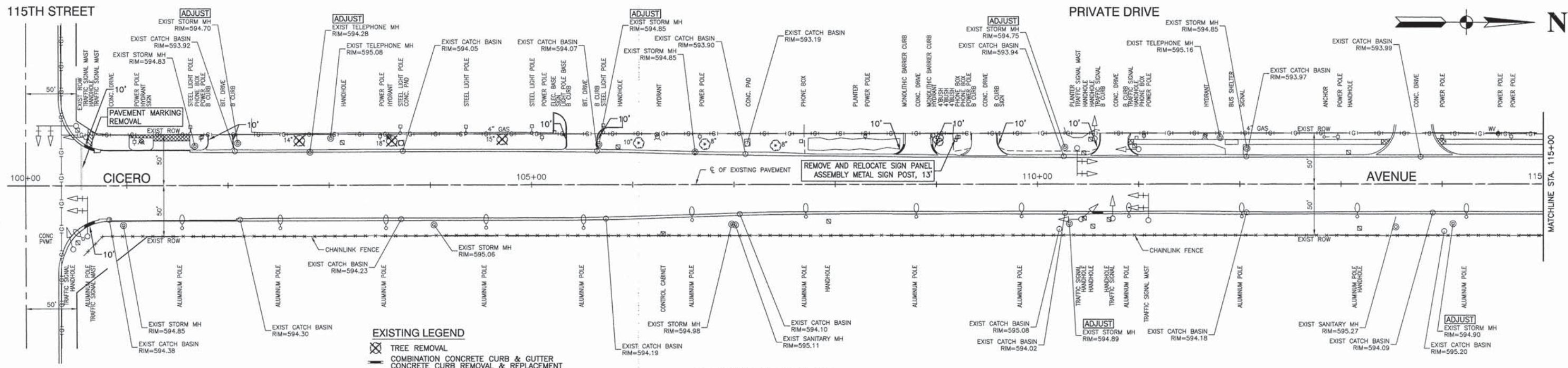
ITEM	AIR VOIDS @ Ndes
DRIVEWAYS	
HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50, (IL 9.5mm) 2"	4% @ 50 GYR
HMA BASE COURSE, (HMA BINDER IL-19mm) 6" (2 LIFTS)	4% @ 50 GYR
PATCHING - CURB PATCHES	
CLASS D PATCHES, TYPE I, (HMA BINDER IL-19mm) 6" (2 LIFTS)	4% @ 70 GYR
HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50 (IL-9.5mm) 2"	4% @ 50 GYR
PATCHING - PARKWAYS	
HOT-MIX ASPHALT SURFACE COURSE, MIX D, N50, (IL 9.5mm) 2"	4% @ 50 GYR
HMA BINDER IL-19mm, 2"	4% @ 70 GYR

NOTES:
 THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/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 USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.



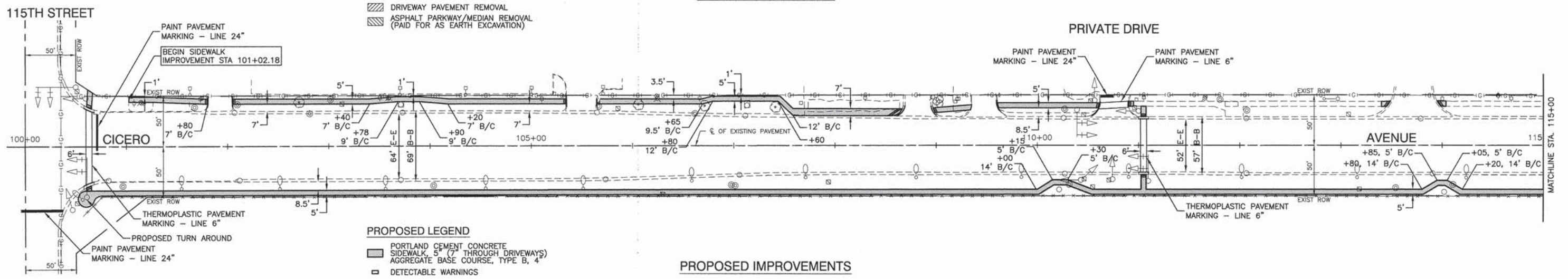
FILE NAME = 10372_02-PLPR-01 - IDOT P01	USER NAME =	DESIGNED = TRL	REVISED =	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIDEWALK CONSTRUCTION FAP 350 (CICERO AVENUE) PLAN & PROFILE		F.A.P. RITE = 350	SECTION = 10-00089-00-SW	COUNTY = COOK	TOTAL SHEETS = 38	SHEET NO. = 5	
	PLOT SCALE =	CHECKED = TRL	REVISED =		SCALE: H 1"=50' V 1"=5'	SHEET NO. 5 OF 38 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT M-9003(782)		
	PLOT DATE = 11-05-13	DRAWN = RG	REVISED =									
		CHECKED = AG	REVISED =									



EXISTING LEGEND

- TREE REMOVAL
- COMBINATION CONCRETE CURB & GUTTER
CONCRETE CURB REMOVAL & REPLACEMENT
- SIDEWALK REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- ASPHALT PARKWAY/MEDIAN REMOVAL
(PAID FOR AS EARTH EXCAVATION)

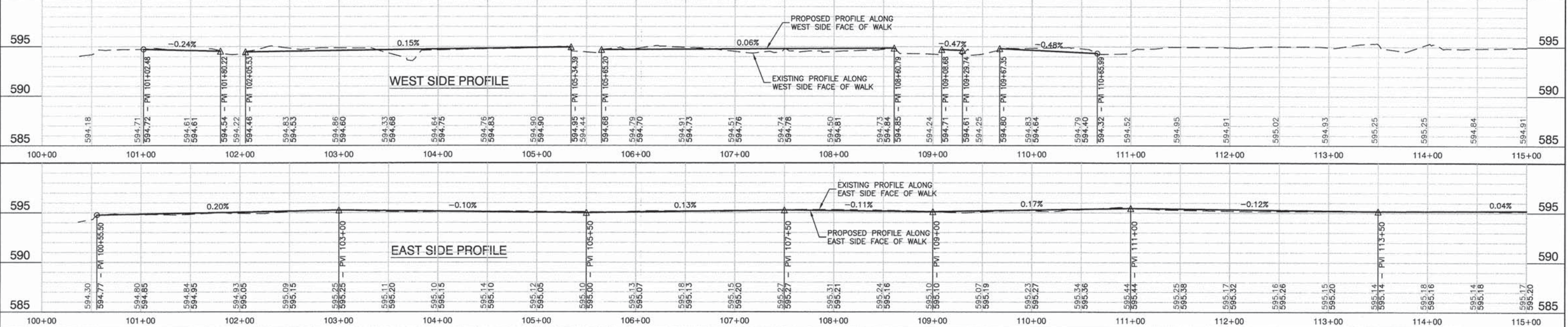
EXISTING CONDITIONS



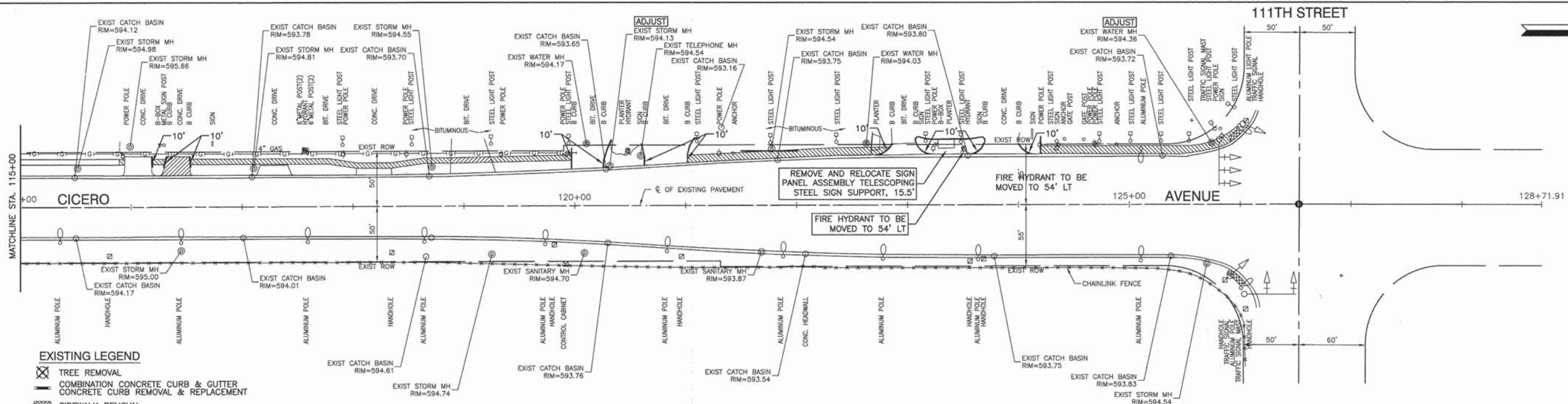
PROPOSED LEGEND

- PORTLAND CEMENT CONCRETE
SIDEWALK, 5" (7" THROUGH DRIVEWAYS)
- AGGREGATE BASE COURSE, TYPE B, 4"
- DETECTABLE WARNINGS

PROPOSED IMPROVEMENTS

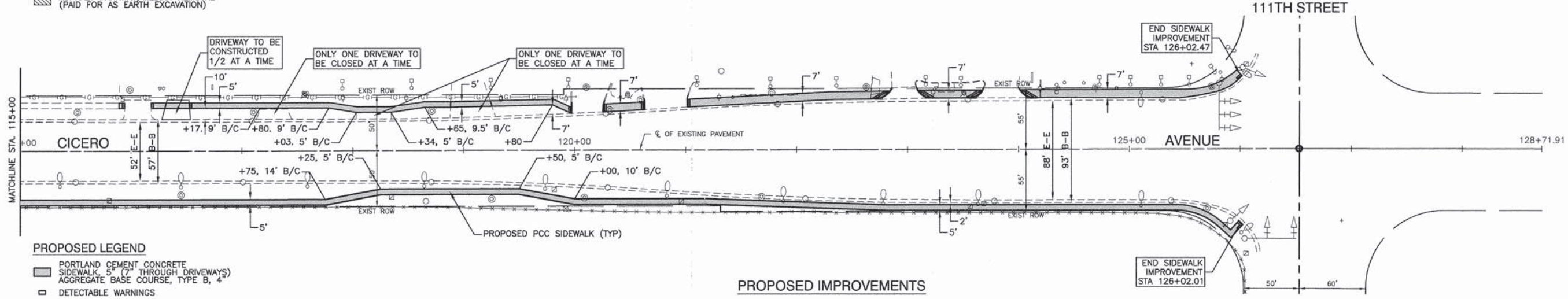


FILE NAME = 10372_02-PLPR01 - IDOT P02	USER NAME =	DESIGNED = TRL	REVISOR =	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SIDEWALK CONSTRUCTION FAP 350 (CICERO AVENUE) PLAN & PROFILE		F.A.P. RITE = 350	SECTION = 10-00089-00-SW	COUNTY = COOK	TOTAL SHEETS = 38	SHEET NO. = 6	
	CHECKED = TRL	REVISOR =			SCALE: H 1"=50' V 1"=5'	SHEET NO. 6 OF 38 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT M-9003(782)		
	PLOT SCALE =	DRAWN = RG	REVISOR =									
	PLOT DATE = 11-05-13	CHECKED = AG	REVISOR =									



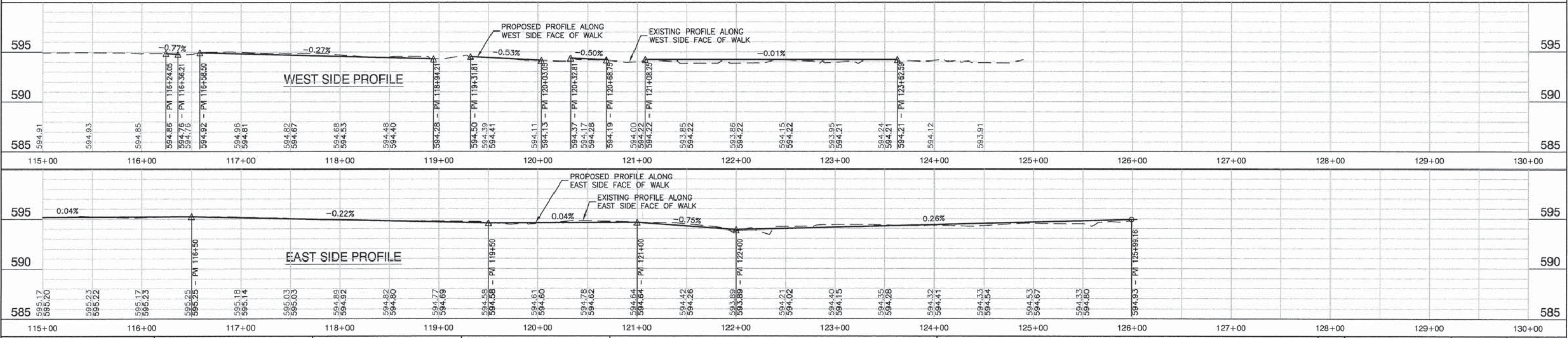
- EXISTING LEGEND**
- ☒ TREE REMOVAL
 - ▬ COMBINATION CONCRETE CURB & GUTTER
 - ▬ CONCRETE CURB REMOVAL & REPLACEMENT
 - ▨ SIDEWALK REMOVAL
 - ▨ DRIVEWAY PAVEMENT REMOVAL
 - ▨ ASPHALT PARKWAY/MEDIAN REMOVAL (PAID FOR AS EARTH EXCAVATION)

EXISTING CONDITIONS



- PROPOSED LEGEND**
- ▬ PORTLAND CEMENT CONCRETE SIDEWALK, 5" (7" THROUGH DRIVEWAYS)
 - ▬ AGGREGATE BASE COURSE, TYPE B, 4"
 - DETECTABLE WARNINGS

PROPOSED IMPROVEMENTS



FILE NAME = 10372_02-PLPR-01 - IDOT P03

USER NAME =	DESIGNED -- TRL	REVISED --
CHECKED -- TRL	REVISED --	
PLOT SCALE =	DRAWN -- RG	REVISED --
PLOT DATE = 11-05-13	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK CONSTRUCTION
FAP 350 (CICERO AVENUE)
PLAN & PROFILE

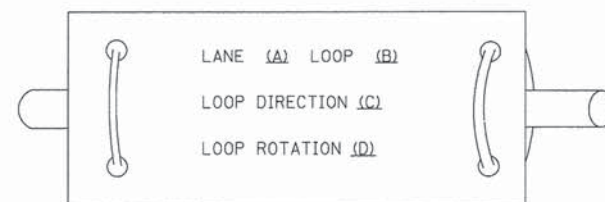
SCALE: H 1"=50' V 1"=5'
SHEET NO. 7 OF 38 SHEETS
STA. TO STA.

F.A.P. RTE. 350	SECTION 10-00089-00-SW	COUNTY COOK	TOTAL SHEETS 38	SHEET NO. 7
CONTRACT NO. 63890				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(782)				

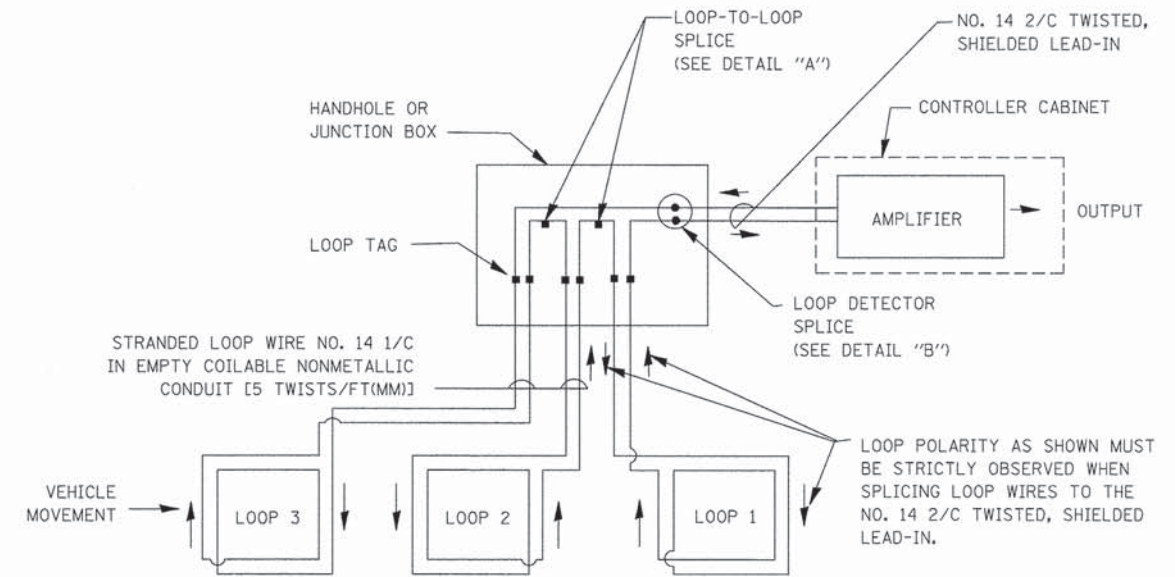
LOOP DETECTOR NOTES

- 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.
- PERFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PERFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

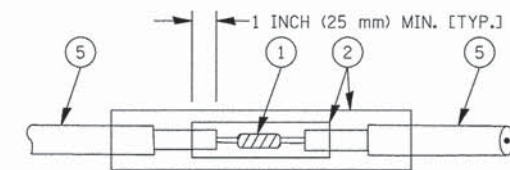


- LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

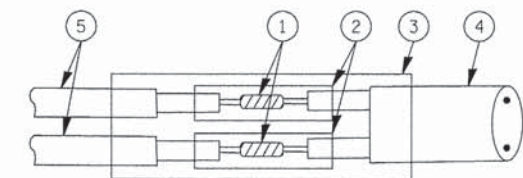


DETECTOR LOOP WIRING SCHEMATIC

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

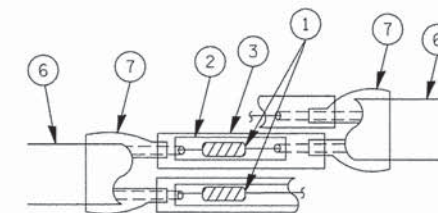


DETAIL "A"
LOOP-TO-LOOP SPLICE

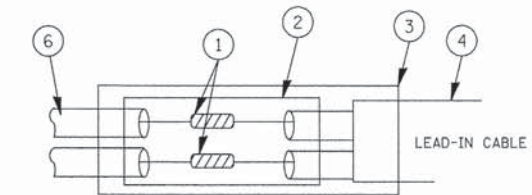


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

LOOP DETECTOR SPLICE

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

FILE NAME = 10372_02-TS05-01 - TS-05A

USER NAME = baue-dl	DESIGNED -- DAD	REVISED --
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PLOT SCALE = 50.0000' / IN.	DRAWN --	REVISED --
PLOT DATE = 11/4/2009	CHECKED -- 10-28-09	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

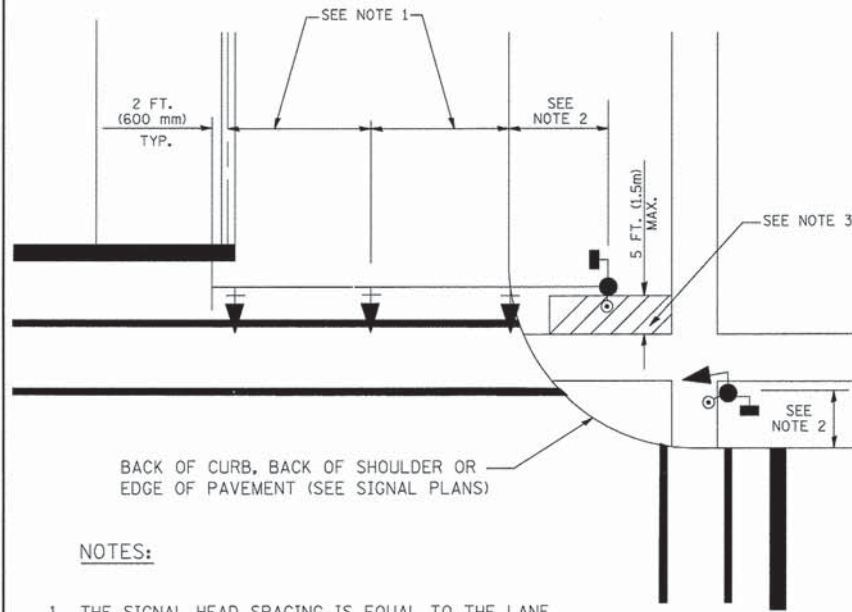
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: SHEET NO. 8 OF 38 SHEETS STA. TO STA.

F.A.P. RTE. 350	SECTION 10-00089-00-SW	COUNTY COOK	TOTAL SHEETS 38	SHEET NO. 8
TS-05		CONTRACT NO. 63890		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(782)				

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

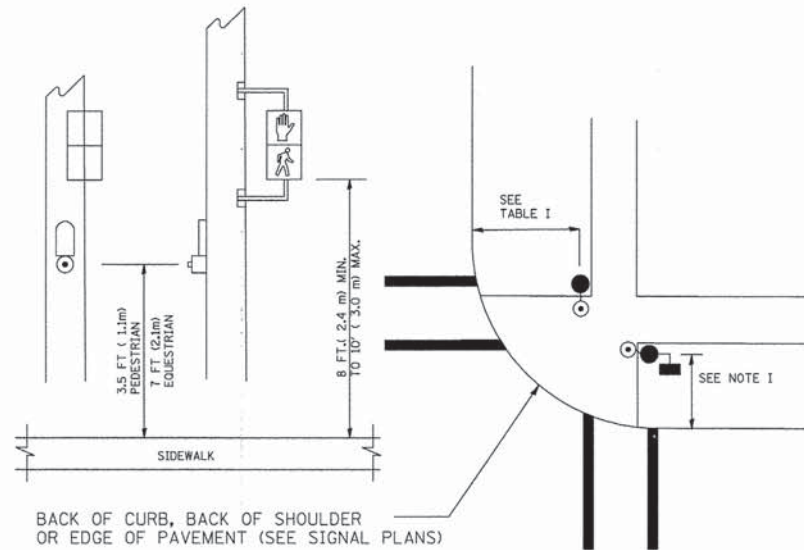
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



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."

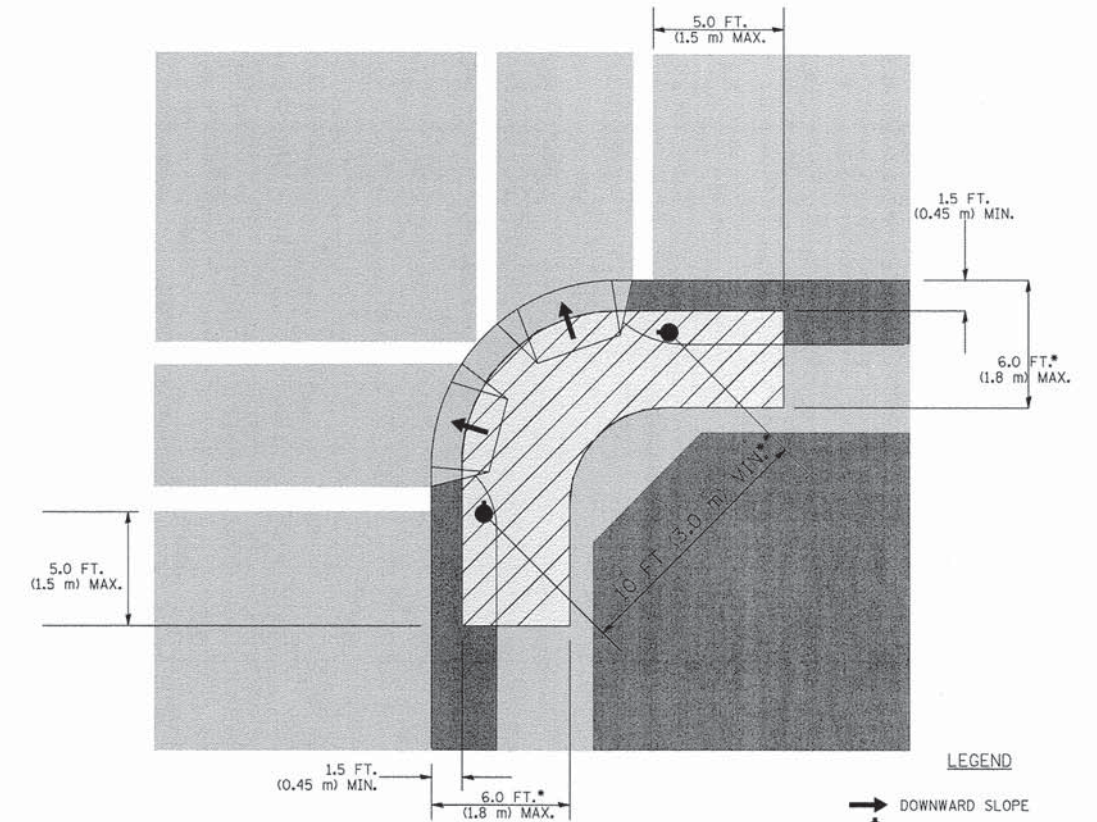
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



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.

FILE NAME = 10372_02-TS05-02 - TS-05B

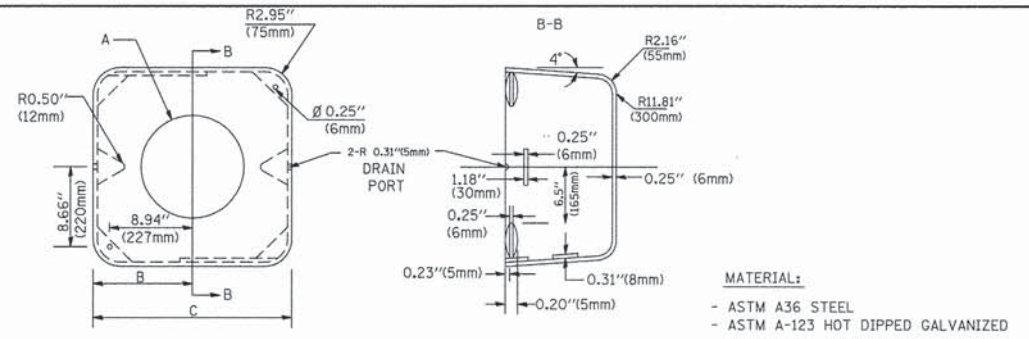
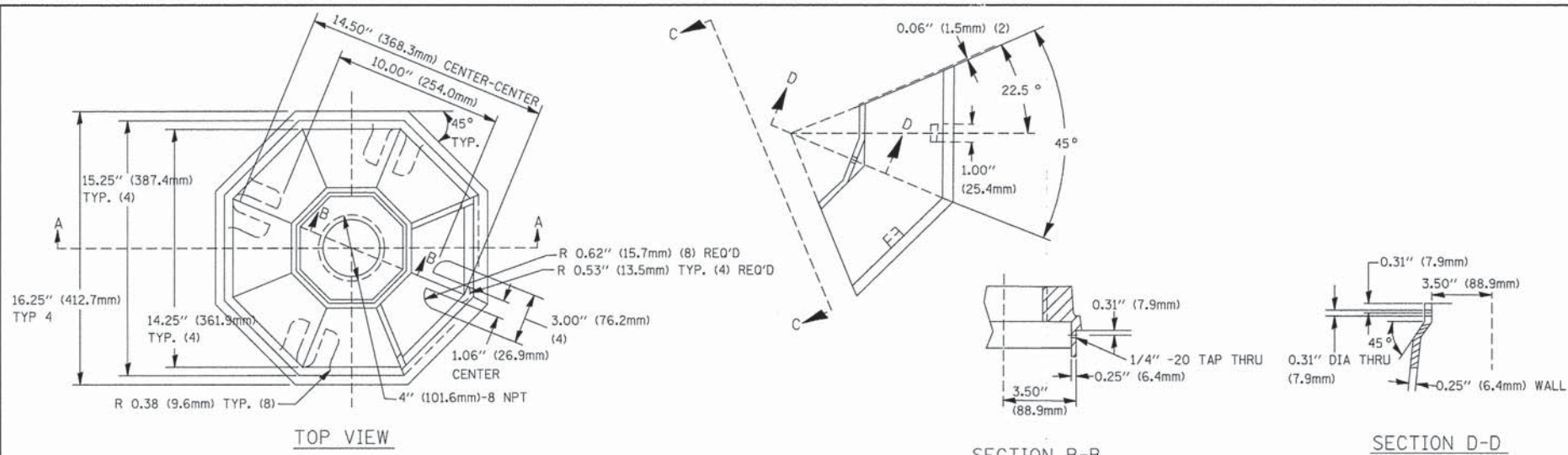
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PLOT DATE = 11/4/2009	CHECKED -- 10-28-09	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: SHEET NO. 9 OF 38 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	10-00089-00-SW	COOK	38	9
TS-05		CONTRACT NO. 63890		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(782)				

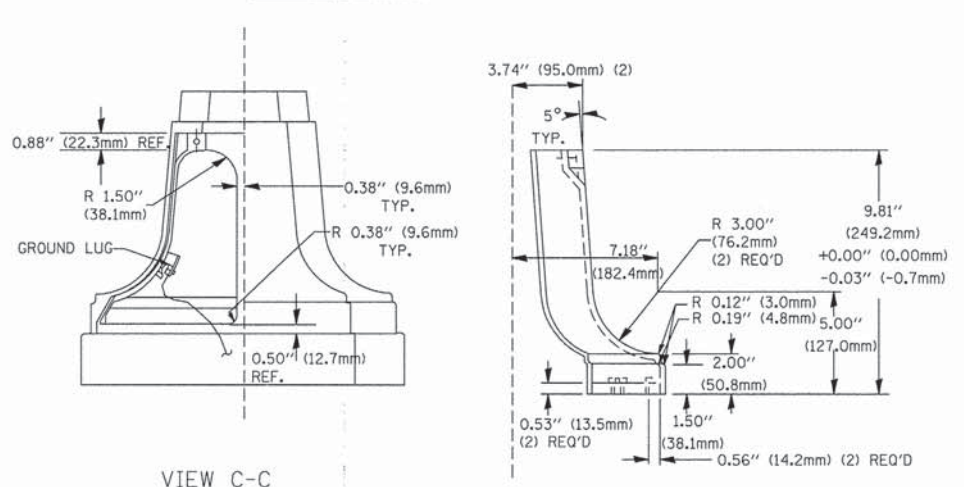
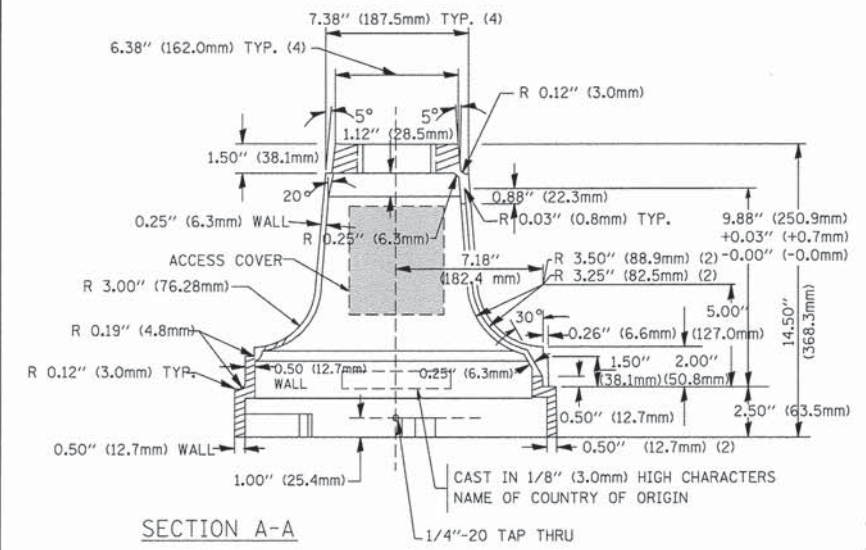


	A	B	C	HEIGHT	WEIGHT
	VARIABLES	9.5\"(241mm)	19\"(483mm)	7\"(178mm) - 12\"(300mm)	53 lbs (24kg)
	VARIABLES	10.75\"(273mm)	21.5\"(546mm)	7\"(178mm) - 12\"(300mm)	68 lbs (31 kg)
	VARIABLES	13.0\"(330mm)	26\"(660mm)	7\"(178mm) - 12\"(300mm)	81 lbs (37 kg)
	VARIABLES	18.5\"(470mm)	37\"(940mm)	7\"(178mm) -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

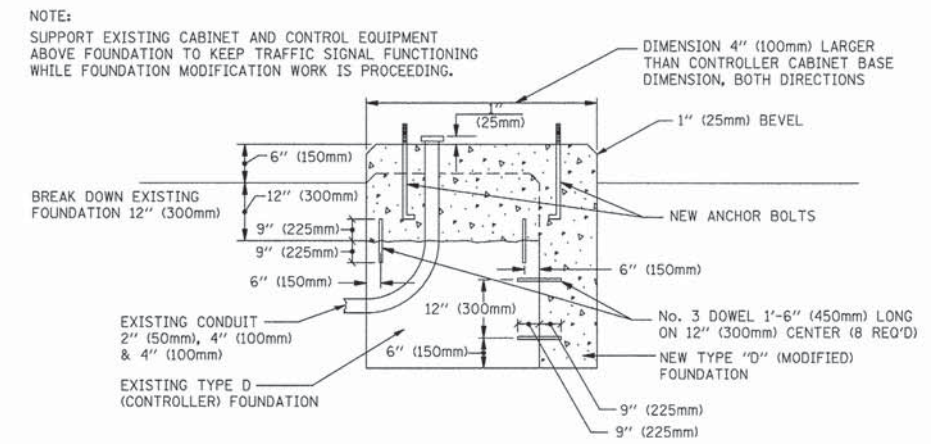
SHROUD

NOTES:

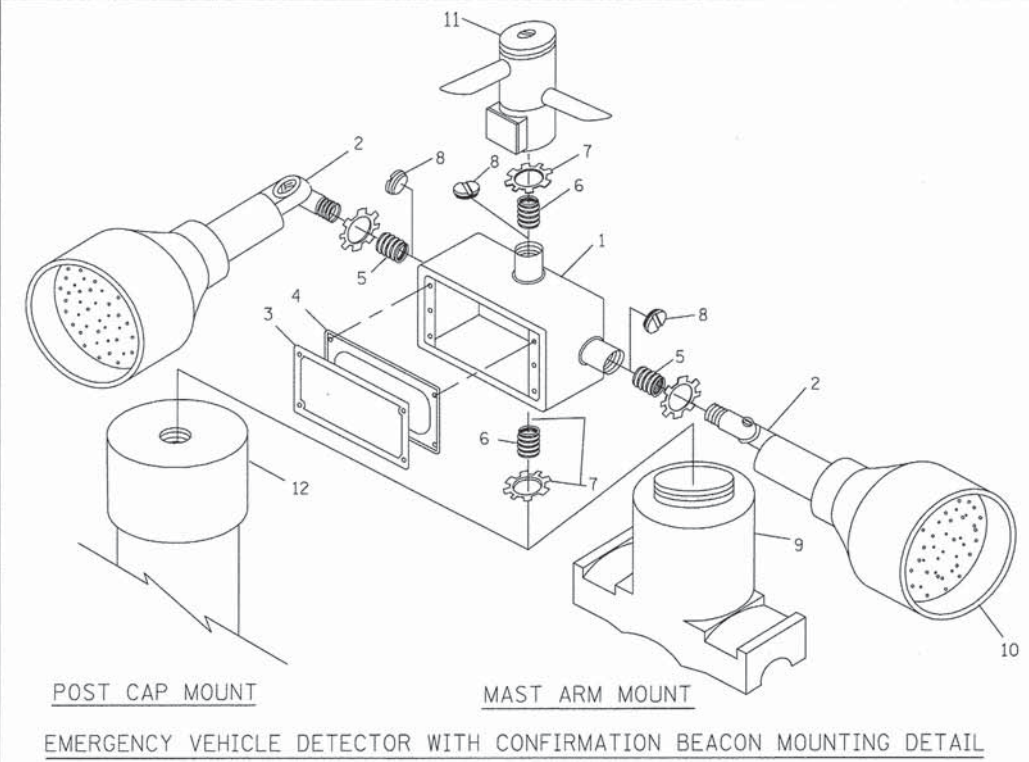
- DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
- THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
- THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.



TRAFFIC SIGNAL POST - MOUNTING BASE - TYPE A



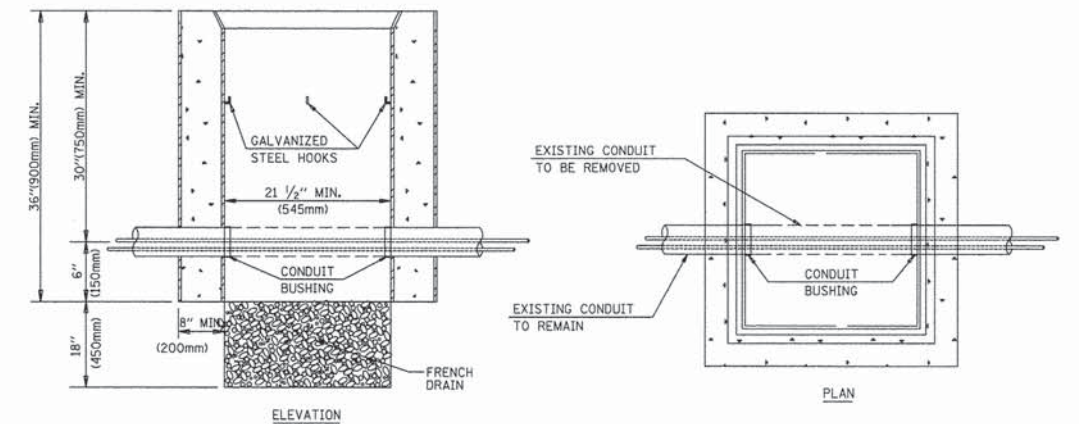
MODIFY EXISTING TYPE "D" FOUNDATION



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

NOTES:

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



NOTES:

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

HANDHOLE TO INTERCEPT EXISTING CONDUIT

FILE NAME = 10372_02-TS05-04 - TS-05D

USER NAME = baue-dl	DESIGNED - DAD	REVISED -
PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -
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	CHECKED - 10-28-09	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE	
STANDARD TRAFFIC SIGNAL DESIGN DETAILS	
SCALE:	SHEET NO. 11 OF 38 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	10-00089-00-SW	COOK	38	11
TS-05		CONTRACT NO. 63890		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(782)				

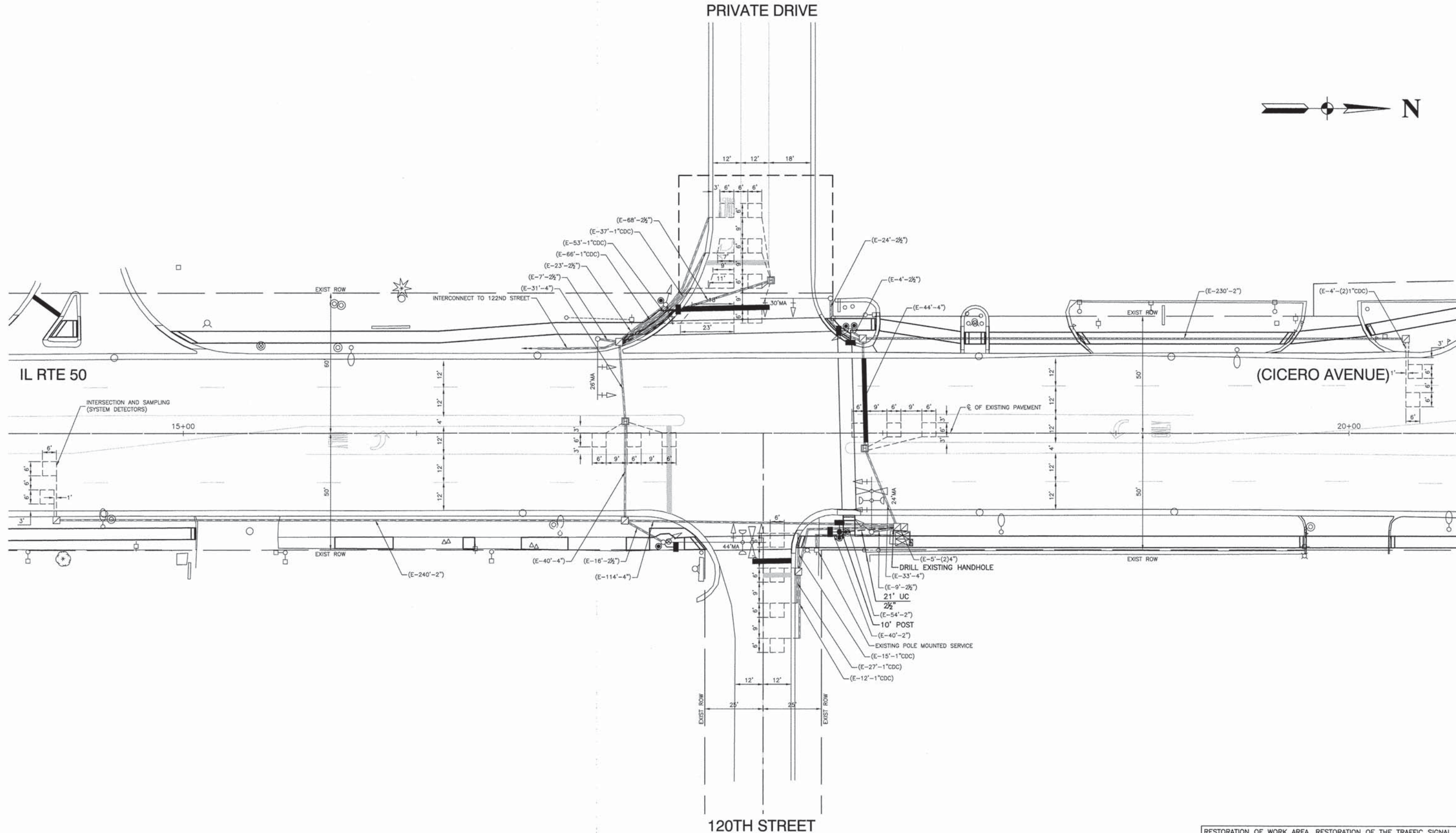
TRAFFIC SIGNAL LEGEND

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			
UNINTERRUPTIBLE POWER SUPPLY				JUNCTION BOX				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM12F			
SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT				GALVANIZED STEEL CONDUIT IN TRENCH (T) OR PUSHED (P)				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM12F			
TELEPHONE CONNECTION (P) POLE OR (G) GROUND MOUNT				TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE				FIBER OPTIC CABLE NO. 62.5/125, (NUMBER OF FIBERS & TYPE TO BE NOTED ON PLANS)			
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		S	S	STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH PTZ CAMERA				INTERSECTION ITEM		I	IP	ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED			
SIGNAL POST				REMOVE ITEM	R			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	RL			SIGNAL POST AND FOUNDATION TO BE REMOVED			
GUY WIRE				ABANDON ITEM	A			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				EXISTING INTERSECTION LOOP DETECTOR PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD WITH BACKPLATE				SIGNAL FACE				EXISTING PREFORMED INTERSECTION LOOP DETECTOR PROPOSED INTERSECTION AND SAMPLING (SYSTEM) 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)				12" (300mm) PEDESTRIAN SIGNAL HEAD WALK/DON'T WALK SYMBOL				PREFORMED SAMPLING (SYSTEM) DETECTOR			
PEDESTRIAN SIGNAL HEAD				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, OUTLINED							
PEDESTRIAN PUSHBUTTON DETECTOR				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, SOLID							
ACCESSIBLE PEDESTRIAN PUSHBUTTON DETECTOR				PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOL, WITH COUNTDOWN TIMER							
ILLUMINATED SIGN "NO LEFT TURN"				RADIO INTERCONNECT							
ILLUMINATED SIGN "NO RIGHT TURN"				RADIO REPEATER							
DETECTOR LOOP, TYPE I				DENOTES NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE, ALL DETECTOR LOOP CABLE TO BE SHIELDED							
PREFORMED DETECTOR LOOP				GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)							
MICROWAVE VEHICLE SENSOR											
VIDEO DETECTION CAMERA											
VIDEO DETECTION ZONE											
PAN, TILT, ZOOM CAMERA											
WIRELESS DETECTOR SENSOR											
WIRELESS ACCESS POINT											

RAILROAD SYMBOLS

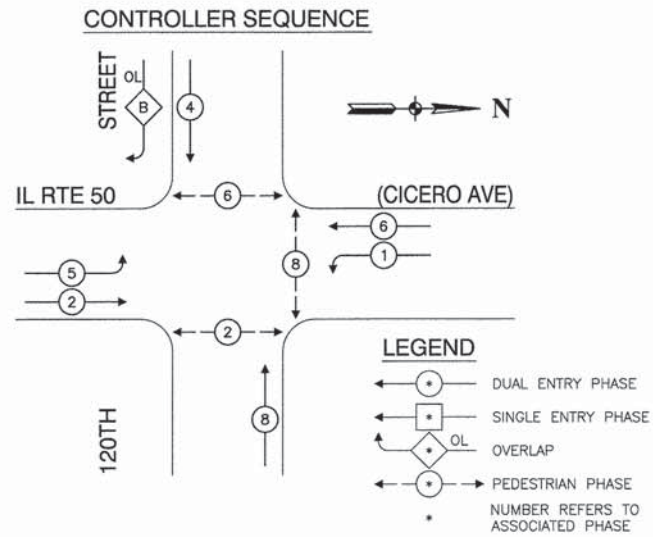
	EXISTING	PROPOSED
RAILROAD CONTROL CABINET		
RAILROAD CANTILEVER MAST ARM		
FLASHING SIGNAL		
CROSSING GATE		
CROSSBUCK		

PRIVATE DRIVE

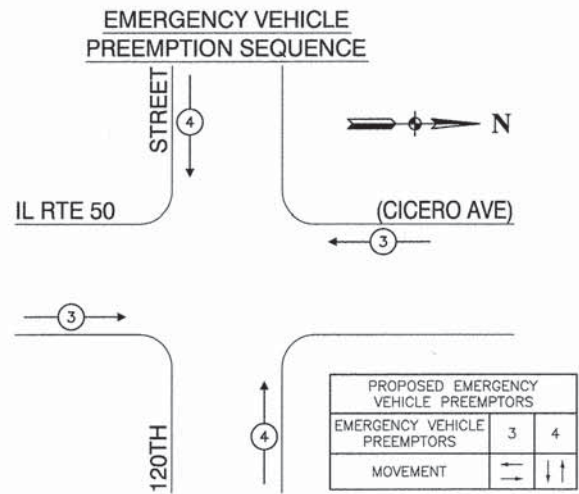


RESTORATION OF WORK AREA, RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC.. AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC.. SHALL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

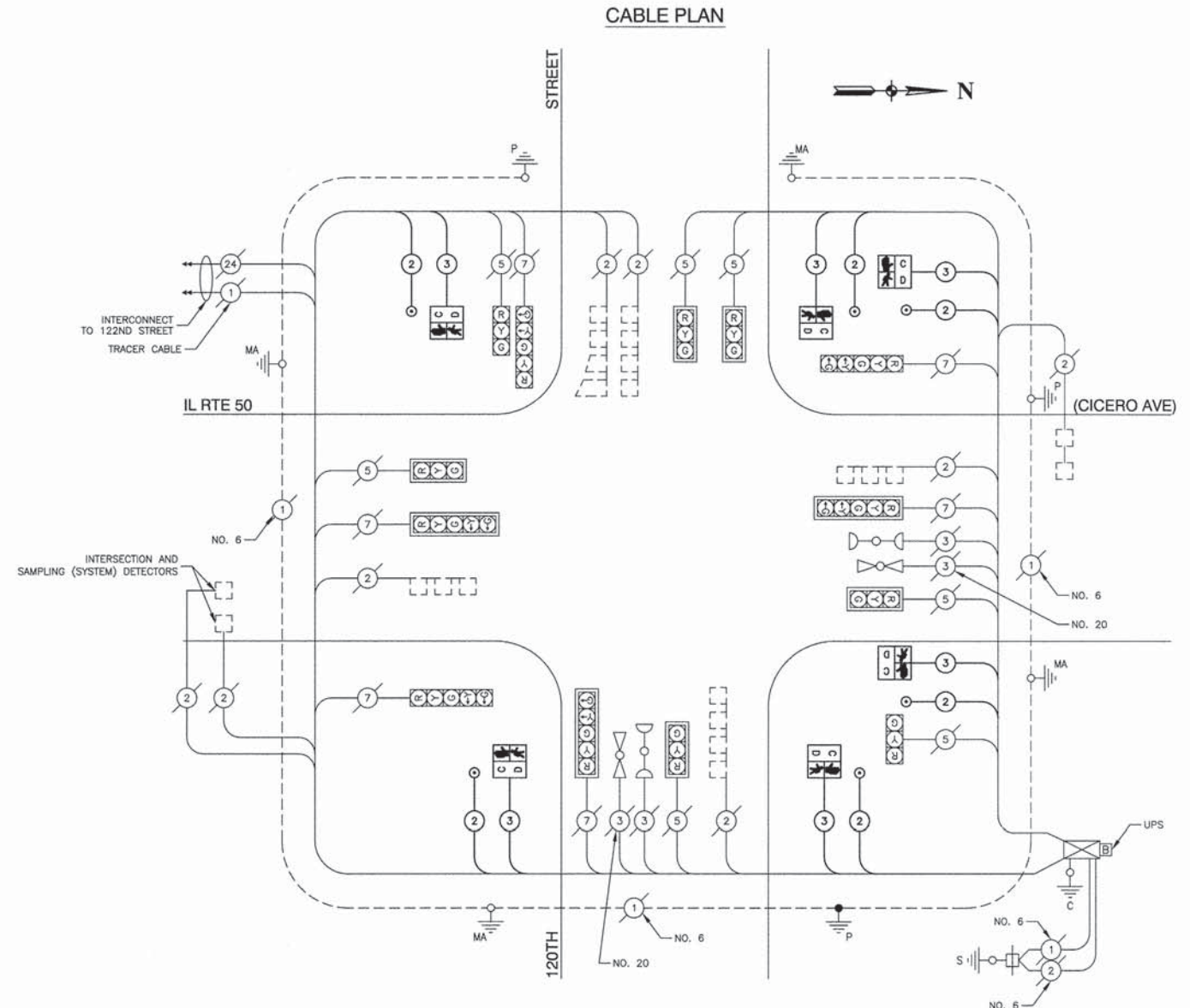
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	PLOT SCALE =	DRAWN -- PS	REVISED --		SCALE: 1"=20'	SHEET NO. 14 OF 38 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT M-9003(782)	
PLotted BY: MICHAEL BERNARDI ON 11/2013	PLOT DATE = 11-05-13	CHECKED -- AG	REVISED --								



PHASE DESIGNATION DIAGRAM



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



I.D.O.T.
TRAFFIC SIGNAL INSTALLATION
ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE INCAND.	LED	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	13	135	17	0.50	110.5
(YELLOW)	13	135	25	0.25	81.25
(GREEN)	13	135	15	0.25	48.75
ARROW	12	135	12	0.10	14.4
PED. SIGNAL	4	90	25	1.00	100.0
CONTROLLER	1	100	100	1.00	100.0
ILLUM. SIGN		84		0.05	
FLASHER				0.50	
TOTAL =					454.9

ENERGY COSTS TO:
VILLAGE OF ALSIP
4500 WEST 123RD STREET
ALSIP, ILLINOIS 60803

ENERGY SUPPLY CONTACT:
PHONE:
COMPANY: COM ED

FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL	FT. (m)
TYPE A - POST	4 (1.2)	HANDHOLE	6.5 (2.0)	ALL FOUNDATIONS	3.5 (1.0)
D - CONTROLLER	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	MAST ARM (L) POLE	20'+L-2=
E - M. ARM POLE		SIGNAL POST	2 (1.0)	(6m+L-0.6m)=	
24" (600mm)	10 (3.0)	CONTROLLER CAB.	1 (0.5)	BRACKET MOUNTED	13 (4.0)
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	PED. PUSHBUTTON	4 (1.2)
		ELECTRIC SERVICE	1 (0.5)	ELECTRIC SERVICE	13.5 (4.1)
		GROUND CABLE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)
				POST MOUNTED	6 (1.8)

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUAN
DRILL EXISTING HANDHOLE	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2C	FOOT	883
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3C	FOOT	883
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	2
CONCRETE FOUNDATION, TYPE A	FOOT	8
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	4
PEDESTRIAN PUSH-BUTTON	EACH	6
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
MODIFY EXISTING CONTROLLER CABINET	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	21
PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	1
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

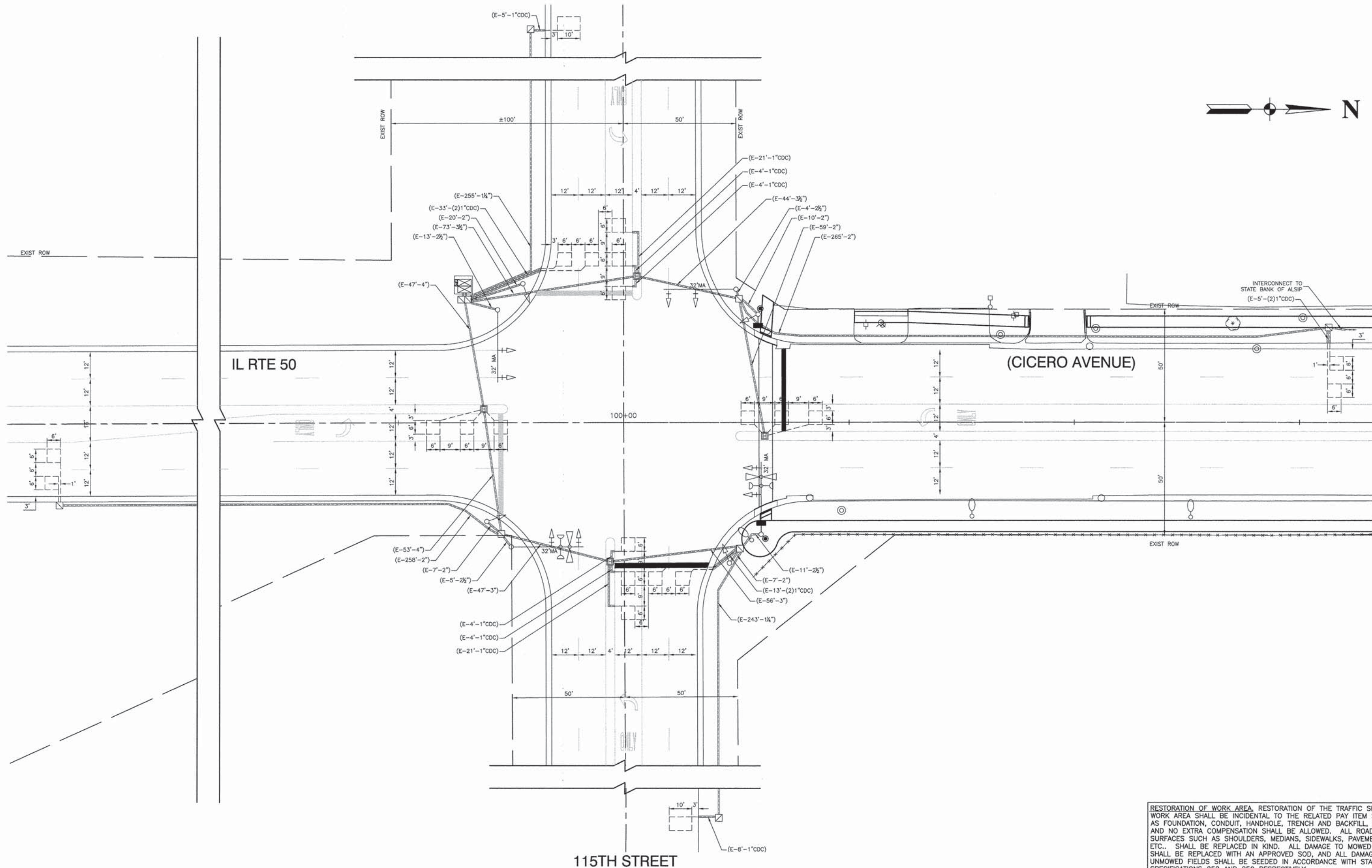
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		CHECKED -- AG	REVISED --
	PLOT SCALE =		
	PLOT DATE = 11-05-13		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK CONSTRUCTION
FAP 350 (CICERO AVENUE) & 120TH STREET
CABLE PLAN, PHASE DESIGNATION DIAGRAM, EVP SEQUENCE & SCHEDULE OF QUANTITIES

F.A.P. RTE. 350	SECTION 10-00089-00-SW	COUNTY COOK	TOTAL SHEETS 38	SHEET NO. 15
CONTRACT NO. 63890				
SCALE: NONE SHEET NO. 15 OF 38 SHEETS STA. TO STA. FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(782)				

115TH STREET



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.

115TH STREET

FILE NAME = 10372_02-SGHL-01 - IDOT P02

USER NAME =	DESIGNED --	TRL	REVISED --
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PLOT SCALE =	DRAWN --	PS	REVISED --
PLOT DATE =	CHECKED --	AG	REVISED --

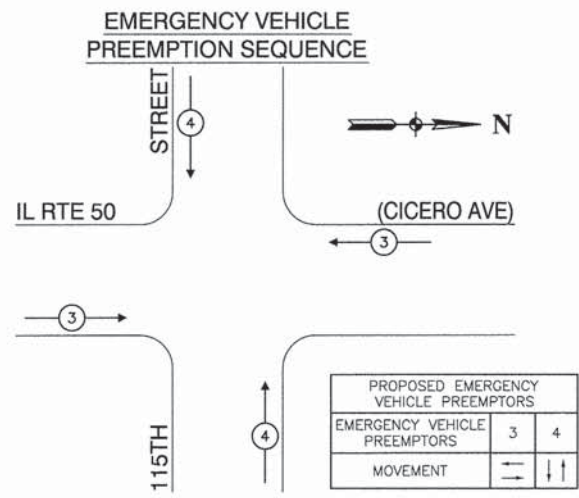
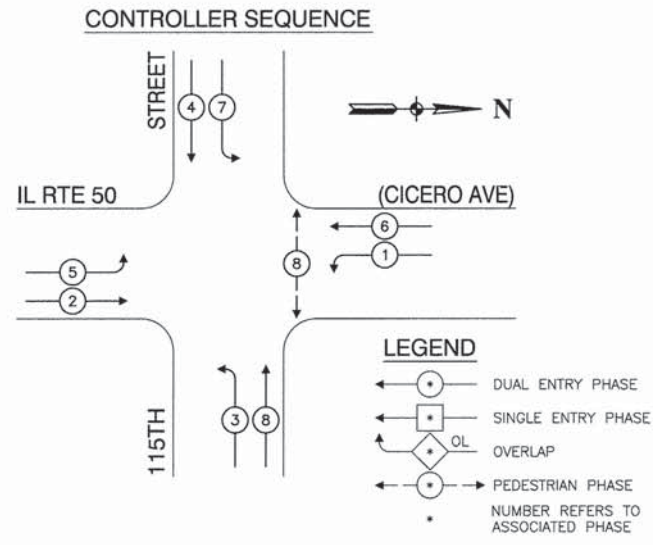
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK CONSTRUCTION
FAP 350 (CICERO AVENUE) & 115TH STREET
TRAFFIC SIGNAL MODERNIZATION PLAN

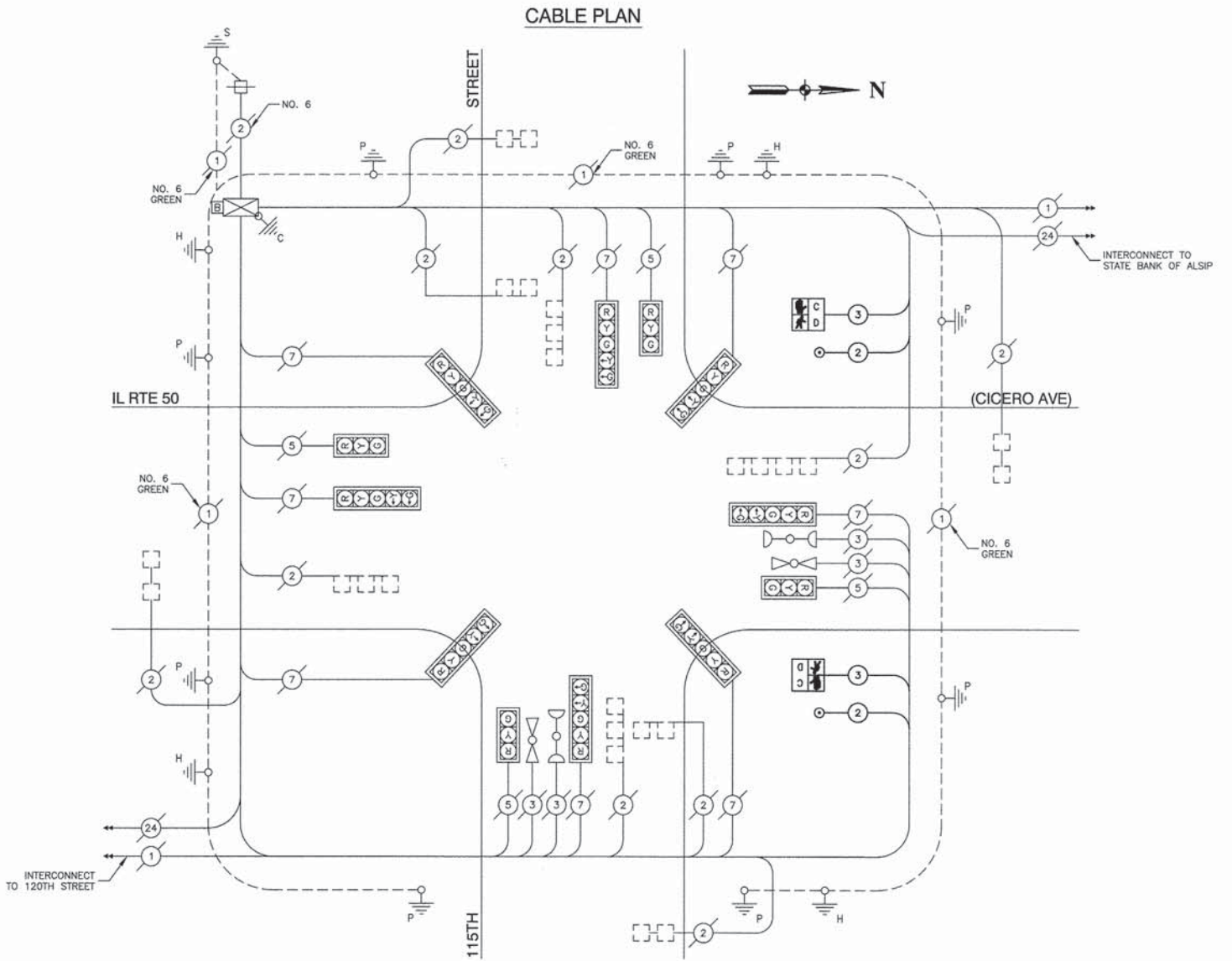
SCALE: 1"=20'

SHEET NO. 16 OF 38 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	10-00089-00-SW	COOK	38	16
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63890	
FED. AID PROJECT M-9003(782)				



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



I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE INCAND.	LED	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	135	17	0.50	102
(YELLOW)	12	135	25	0.25	75
(GREEN)	12	135	15	0.25	45
ARROW	16	135	12	0.10	19.2
PED. SIGNAL	2	90	25	1.00	50
CONTROLLER	1	100	100	1.00	100.0
ILLUM. SIGN		84		0.05	
FLASHER				0.50	
ENERGY COSTS TO:					TOTAL = 391.2
IDOT DISTRICT 1					
201 WEST CENTER COURT					
SCHALMBURG, ILLINOIS 60196-1096					
ENERGY SUPPLY CONTACT:					
PHONE:					
COMPANY: COM ED					

FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL	FT. (m)
TYPE A - POST	4 (1.2)	HANDHOLE	6.5 (2.0)	ALL FOUNDATIONS	3.5 (1.0)
D - CONTROLLER	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	MAST ARM (L) POLE	20'+L-2=
E - M. ARM POLE		SIGNAL POST	2 (1.0)	(8m+L-0.6m)=	
24" (600mm)	10 (3.0)	CONTROLLER CAB.	1 (0.5)	BRACKET MOUNTED	13 (4.0)
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	PED. PUSHBUTTON	4 (1.2)
		ELECTRIC SERVICE	1 (0.5)	ELECTRIC SERVICE	13.5 (4.1)
		GROUND CABLE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)
				POST MOUNTED	6 (1.8)

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUAN
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2C	FOOT	464
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3C	FOOT	464
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
PEDESTRIAN PUSH-BUTTON	EACH	2
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
MODIFY EXISTING CONTROLLER CABINET	EACH	1
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

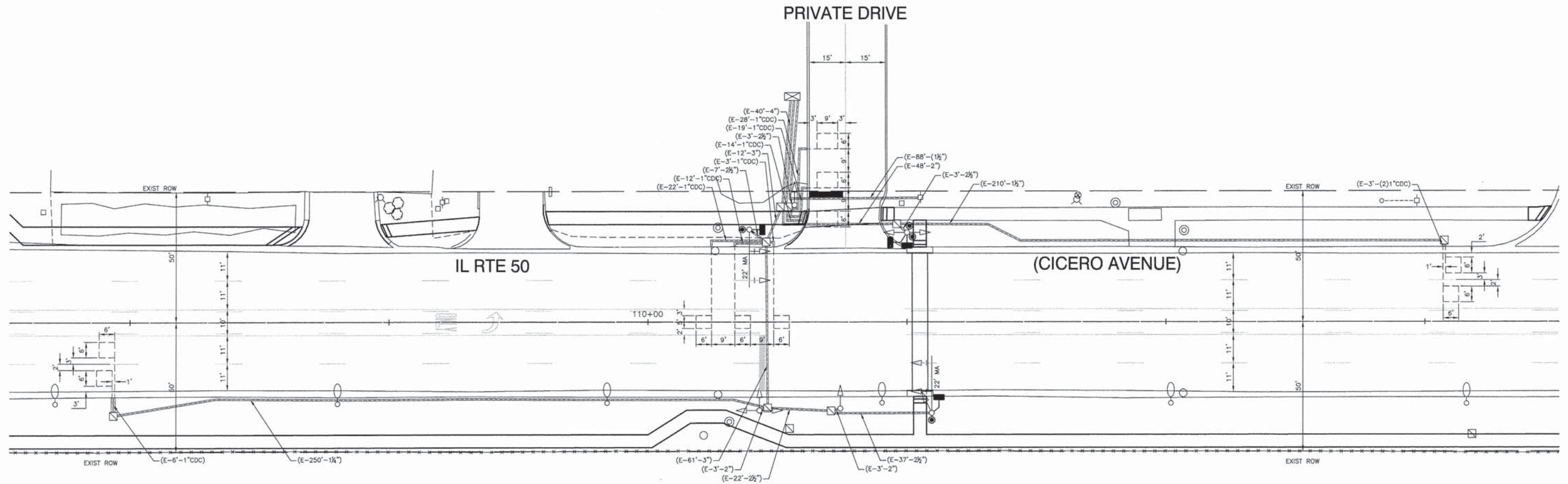
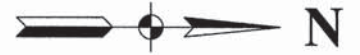
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USER NAME =	DESIGNED -- TRL	REVISED --
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PLOT SCALE =	DRAWN -- RG	REVISED --
PLOT DATE = 11-05-13	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDWALK CONSTRUCTION
FAP 350 (CICERO AVENUE) & 115TH STREET
CABLE PLAN, PHASE DESIGNATION DIAGRAM, EVP SEQUENCE & SCHEDULE OF QUANTITIES

F.A.P. RTE. 350	SECTION 10-00089-00-SW	COUNTY COOK	TOTAL SHEETS 38	SHEET NO. 17
SCALE: NONE		SHEET NO. 17 OF 38 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS
			FED. AID PROJECT M-9003(782)	CONTRACT NO. 63890



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.

FILE NAME = 10372_02-SGNL-01 - IDOT P03

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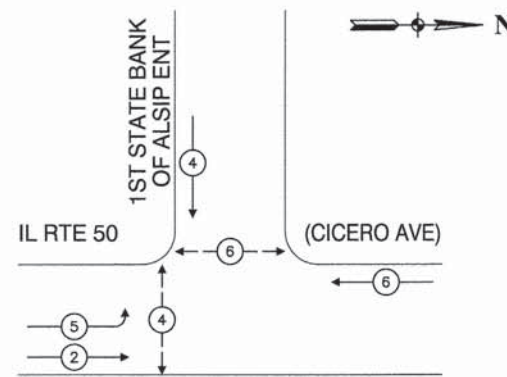
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDEWALK CONSTRUCTION
FAP 350 (CICERO AVENUE) & STATE BANK OF ALSIP
TRAFFIC SIGNAL MODERNIZATION PLAN

SCALE: 1"=20' SHEET NO. 18 OF 38 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	10-00089-00-SW	COOK	38	18
CONTRACT NO. 63890				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(782)				

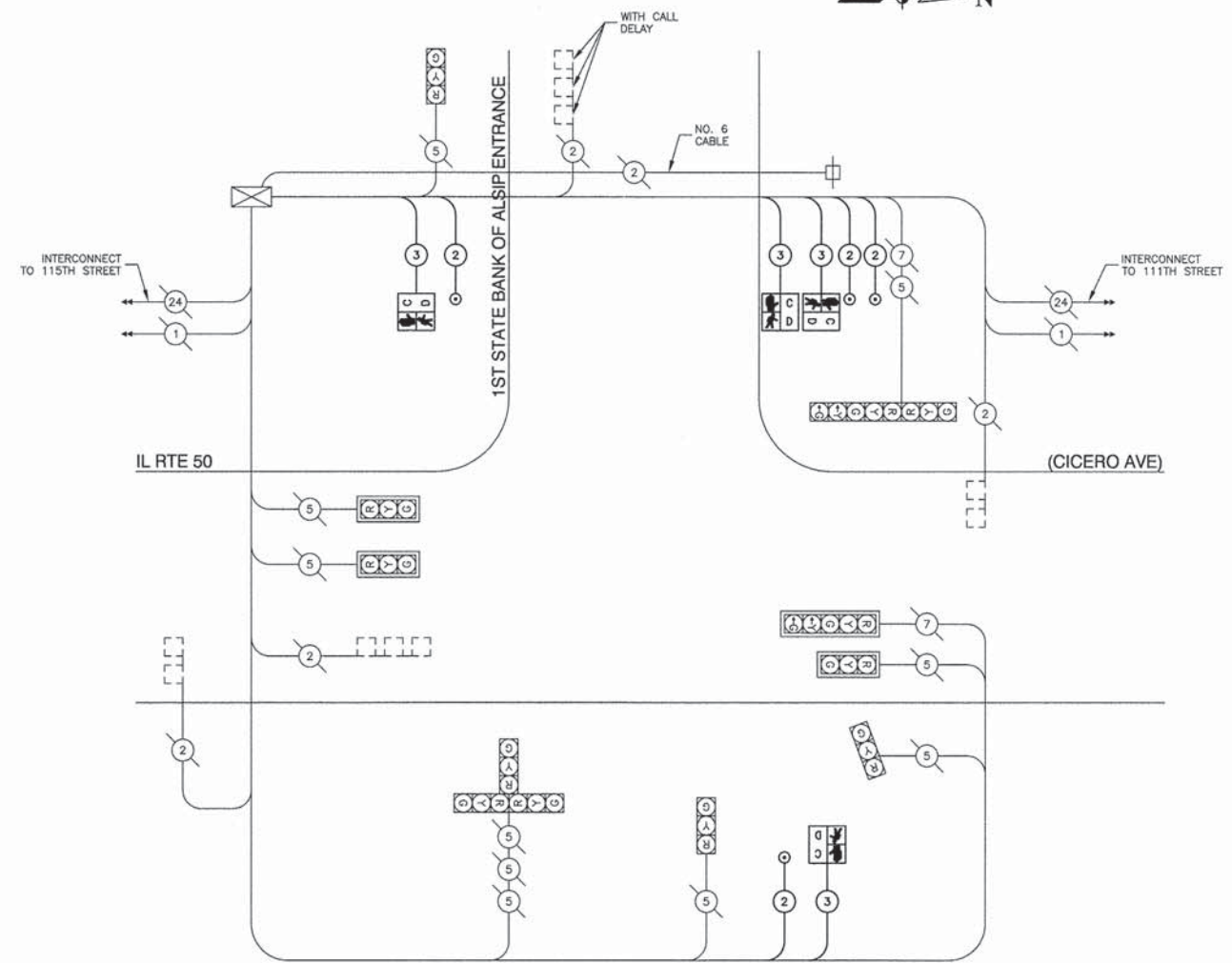
CONTROLLER SEQUENCE



LEGEND

- ◉ DUAL ENTRY PHASE
- ◻ SINGLE ENTRY PHASE
- OL OVERLAP
- ◉ PEDESTRIAN PHASE
- * NUMBER REFERS TO ASSOCIATED PHASE

CABLE PLAN



SCHEDULE OF QUANTITIES

ITEM	UNIT	QUAN
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 2C	FOOT	340
ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 3C	FOOT	340
PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2
PEDESTRIAN PUSH-BUTTON	EACH	4
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1
MODIFY EXISTING CONTROLLER CABINET	EACH	1
PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	1
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1

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	102
(YELLOW)	12	135	25	0.25	75
(GREEN)	12	135	15	0.25	45
ARROW	4	135	12	0.10	4.8
PED. SIGNAL	4	90	25	1.00	100.0
CONTROLLER	1	100	100	1.00	100.0
ILLUM. SIGN		84		0.05	

FLASHER	0.50	FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL	FT. (m)
TYPE A - POST	4 (1.2)	HANDHOLE	6.5 (2.0)	ALL FOUNDATIONS	3.5 (1.0)		
D - CONTROLLER	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	MAST ARM (L) POLE	20'+L-2=		
E - M. ARM POLE		SIGNAL POST	2 (1.0)	(8m+L-0.6m)=			
24" (600mm)	10 (3.0)	CONTROLLER CAB.	1 (0.5)	BRACKET MOUNTED	13 (4.0)		
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	PED. PUSHBUTTON	4 (1.2)		
		ELECTRIC SERVICE	1 (0.5)	ELECTRIC SERVICE	13.5 (4.1)		
		GROUND CABLE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)		
				POST MOUNTED	6 (1.8)		

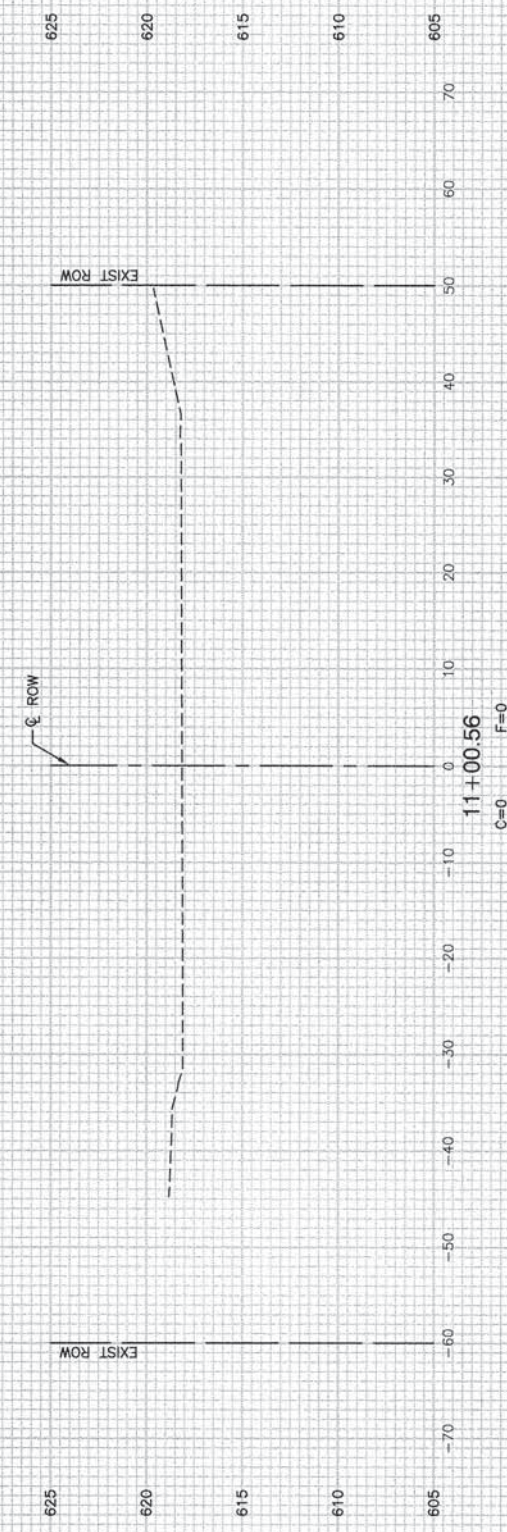
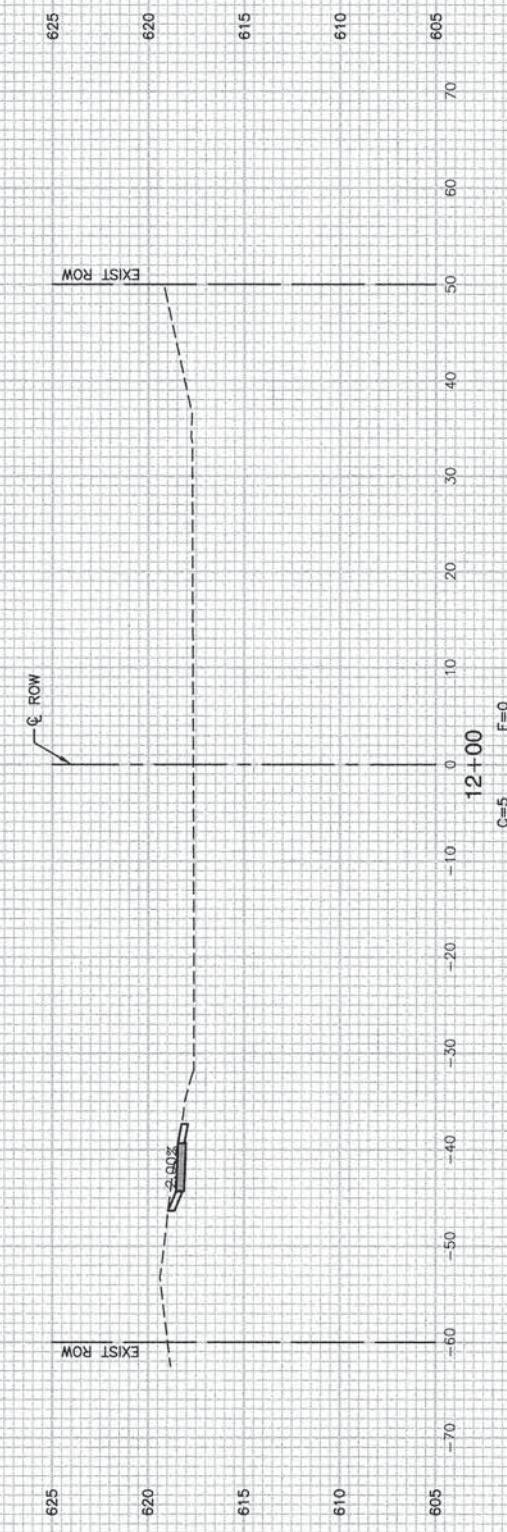
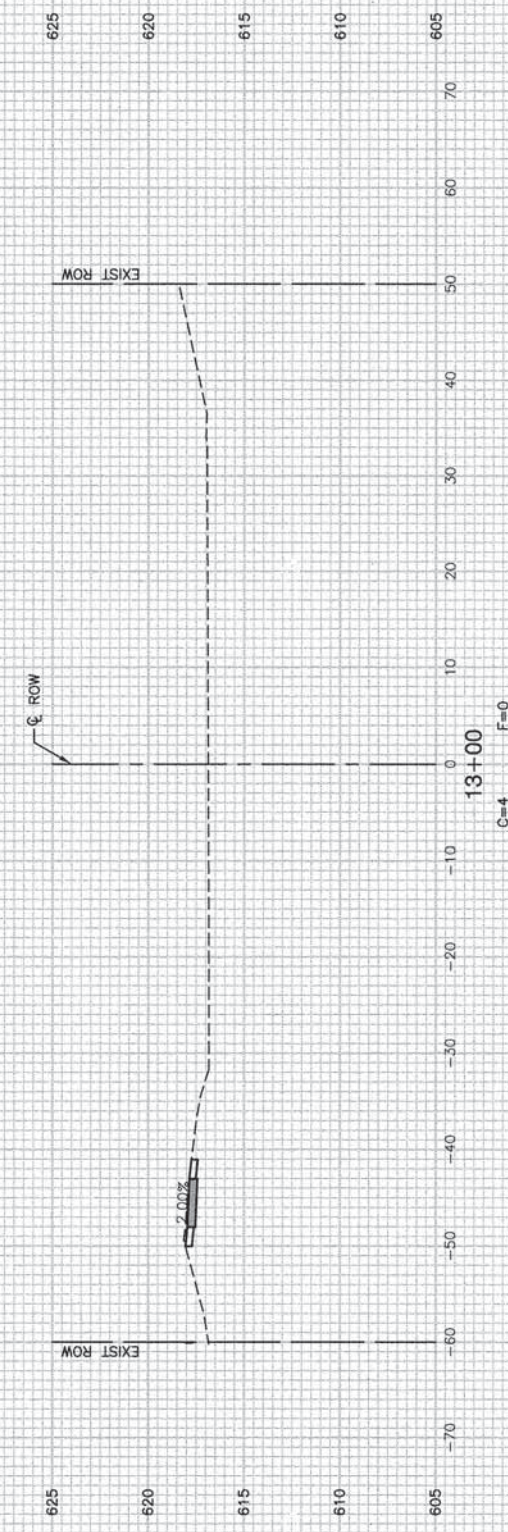
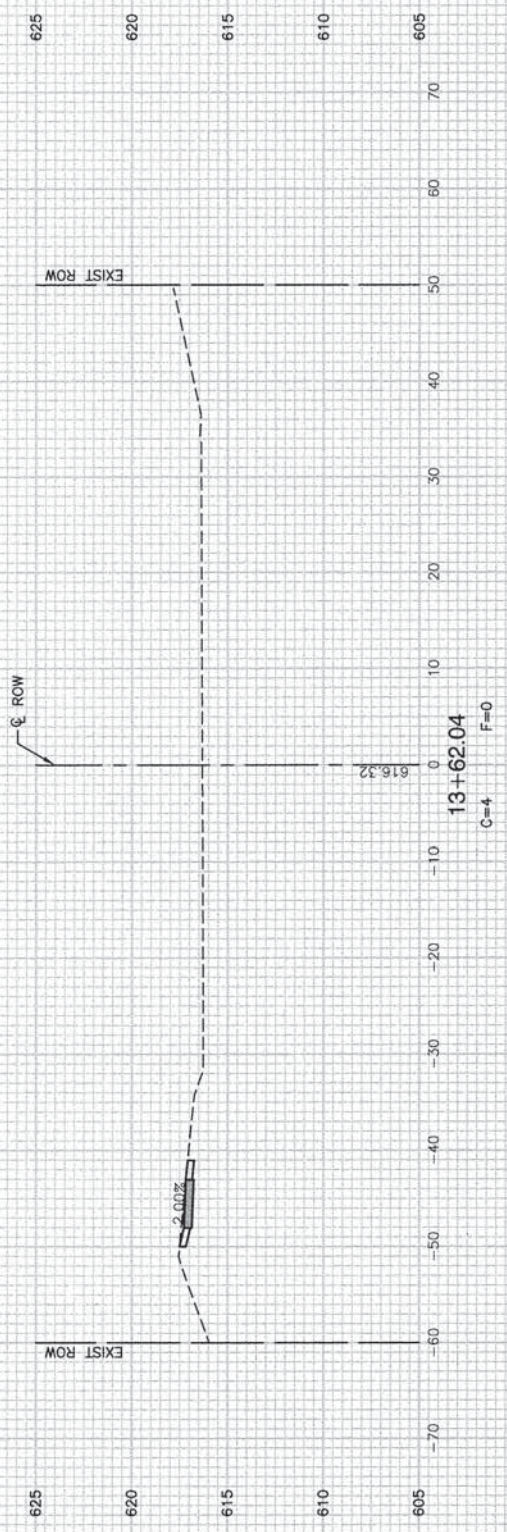
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		CHECKED -- AG	REVISED --

ENERGY COSTS TO:	TOTAL =	426.8
IDOT DISTRICT 1		
201 WEST CENTER COURT		
SCHAUMBURG, ILLINOIS 60196-1096		
ENERGY SUPPLY CONTACT:		
PHONE:		
COMPANY: COM ED		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SIDWALK CONSTRUCTION
FAP 350 (CICERO AVENUE) & STATE BANK OF ALSIP
CABLE PLAN, PHASE DESIGNATION DIAGRAM, EVP SEQUENCE & SCHEDULE OF QUANTITIES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	10-00089-00-SW	COOK	38	19
CONTRACT NO. 63890				
SCALE: NONE SHEET NO. 19 OF 38 SHEETS STA. TO STA.				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(782)				



FILE NAME = 10372_02-XSECT-01 - IDOT P(1)

USER NAME =
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DESIGNED -- TRL
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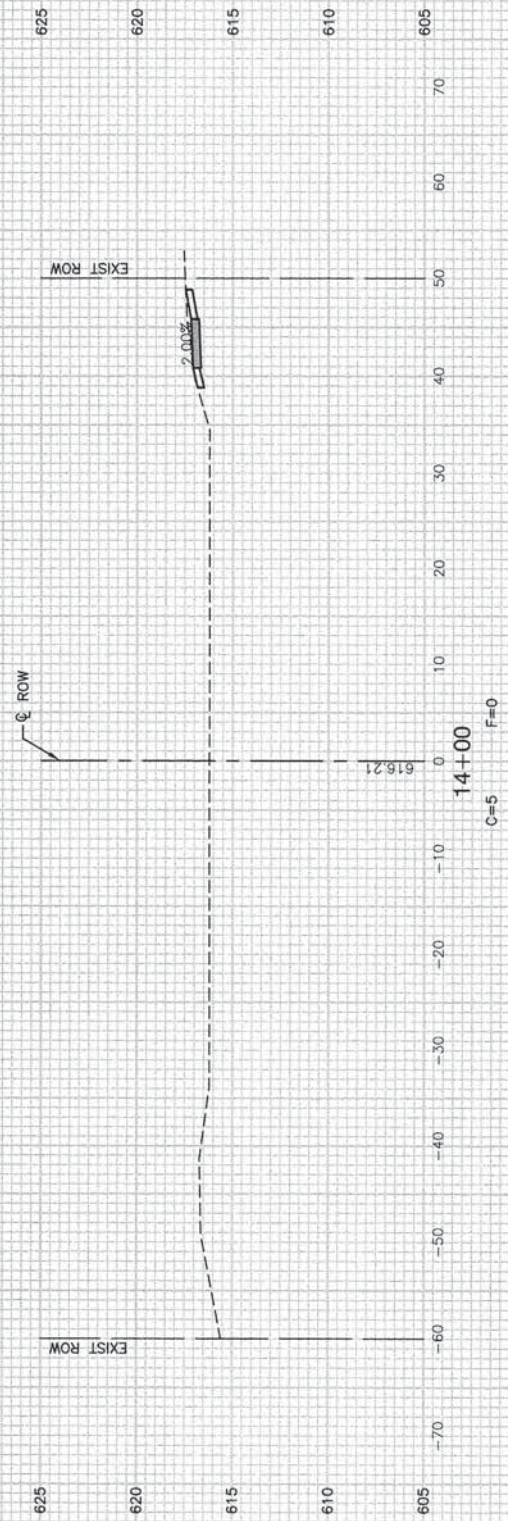
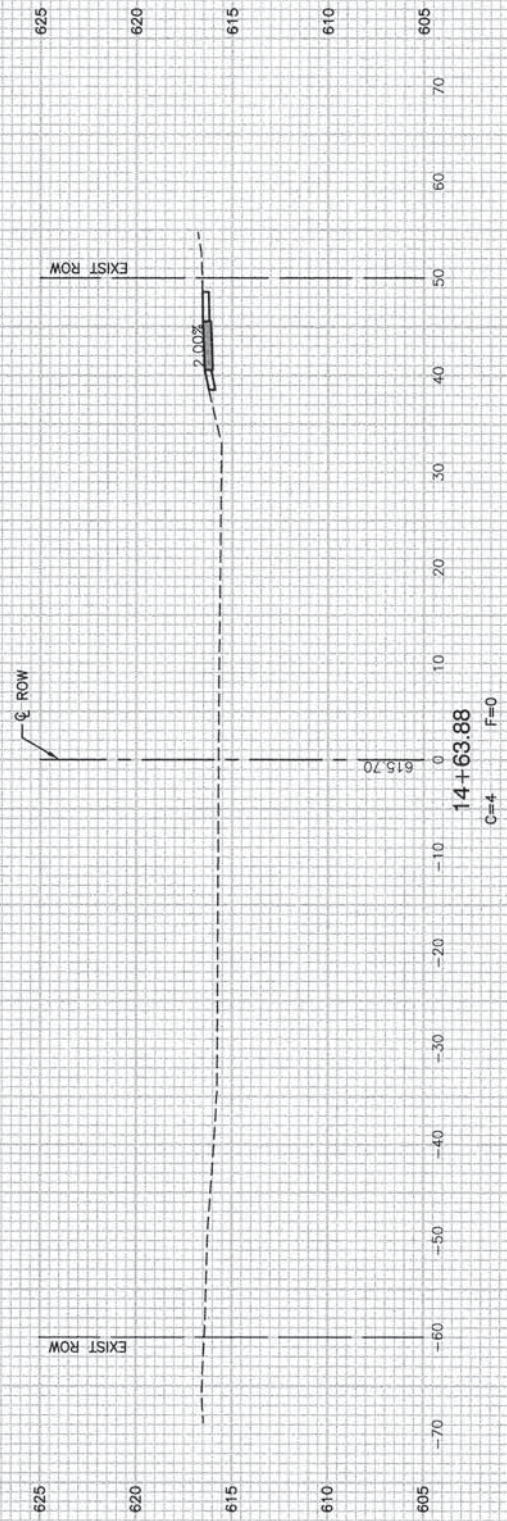
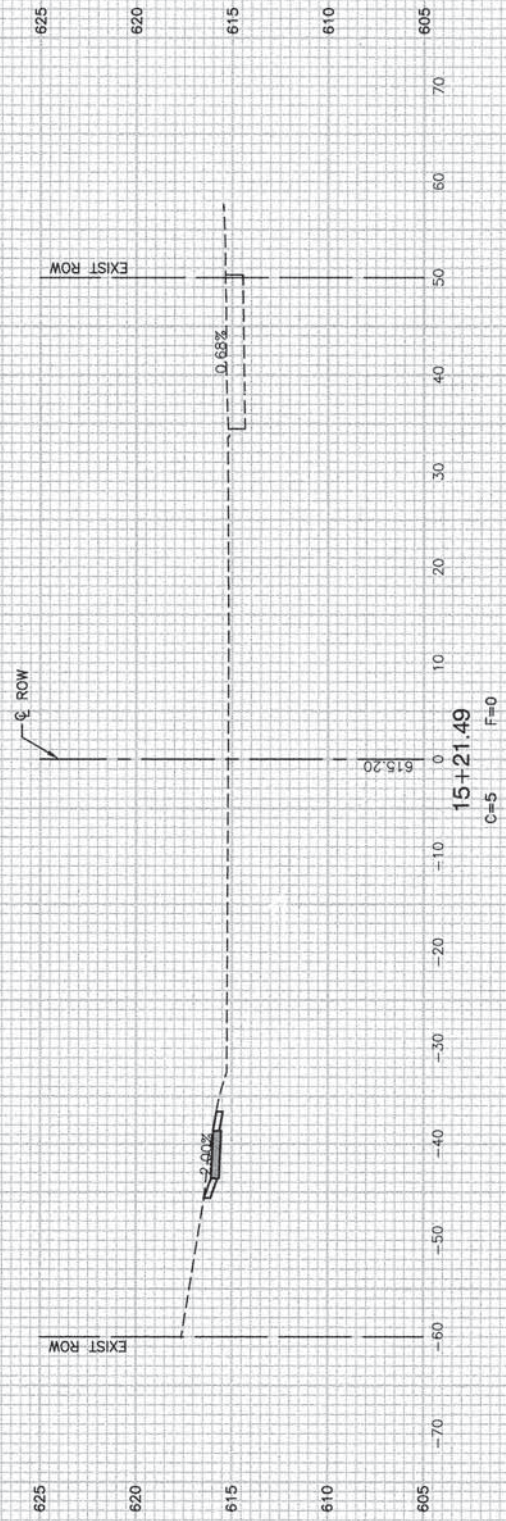
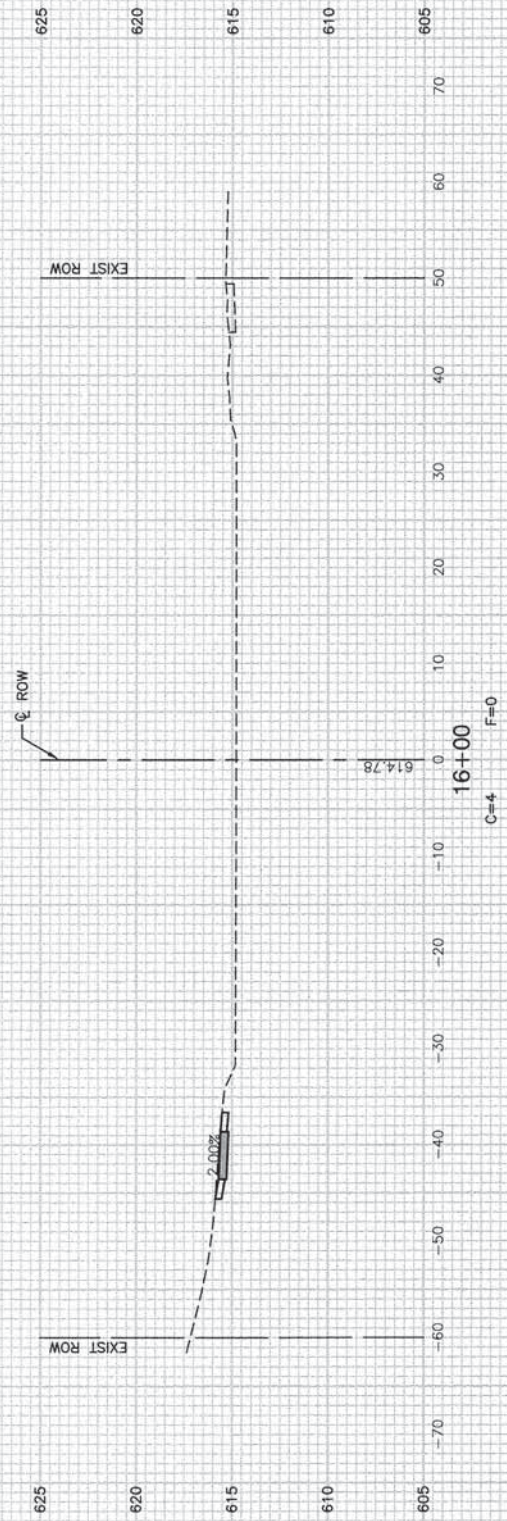
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

FAP 350 (CICERO AVENUE)
 SIDEWALK CONSTRUCTION
 CROSS SECTIONS

SCALE: H 1"=10' V 1"=5' SHEET NO. 20 OF 38 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	10-00089-00-SW	COOK	38	20
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(782)			CONTRACT NO. 63890	



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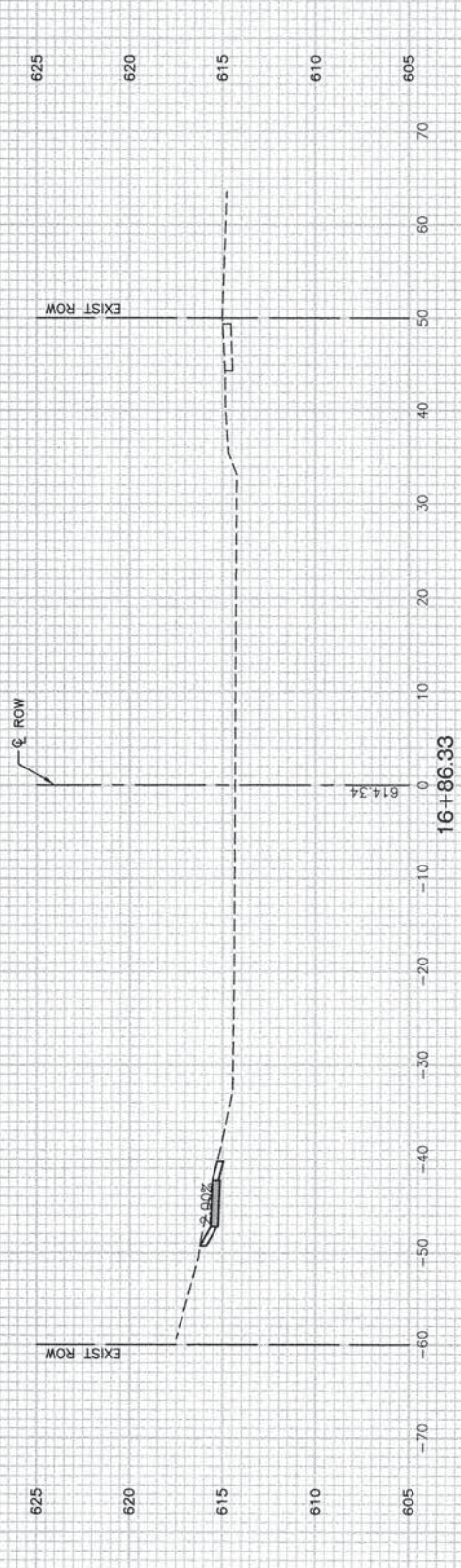
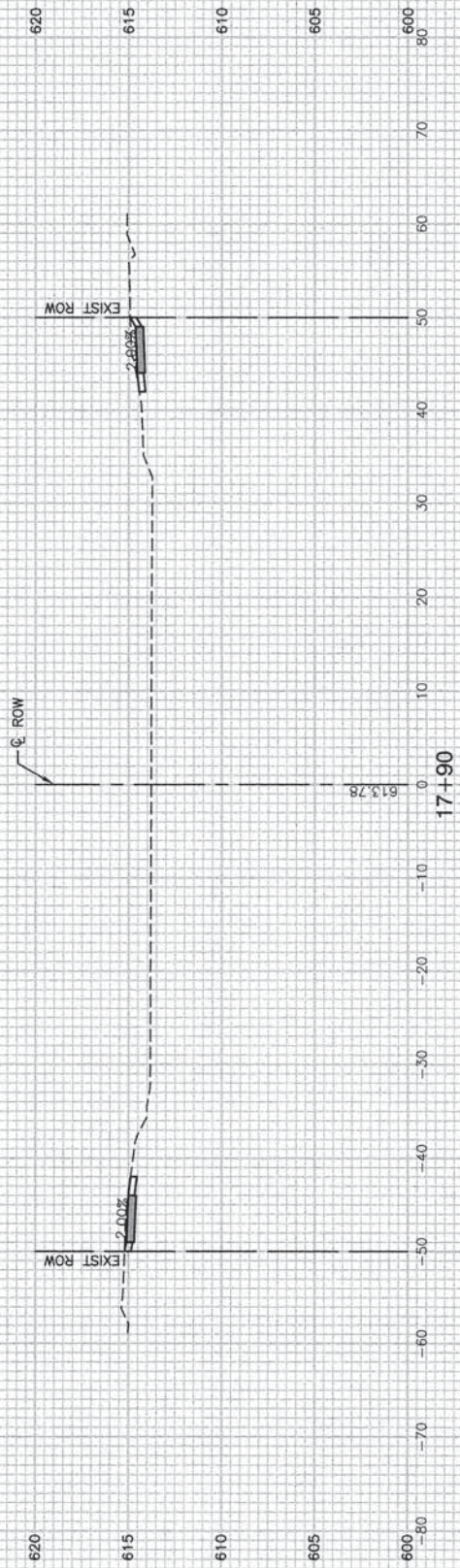
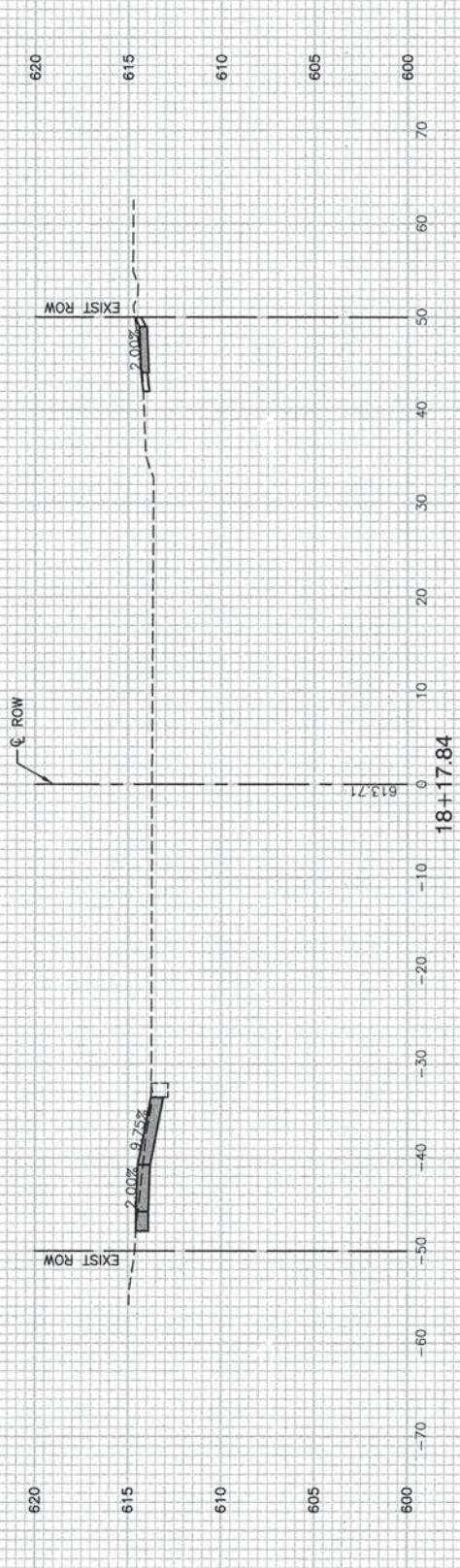
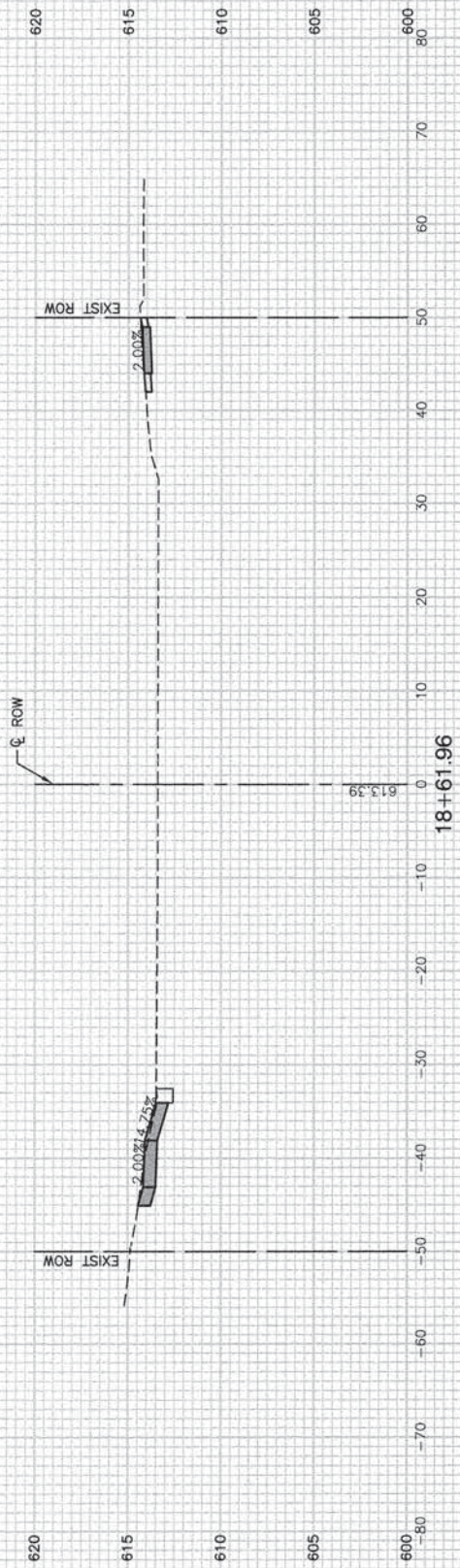
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	CHECKED - TRL	REVISED -
PLOT SCALE =	DRAWN - ACAD	REVISED -
PLOT DATE = 11-05-13	CHECKED - ACAD	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 350 (CICERO AVENUE)
SIDEWALK CONSTRUCTION
CROSS SECTIONS

SCALE: H 1"=10' V1"=5' SHEET NO. 21 OF 38 SHEETS STA. TO STA.

F.A.P. RTE 350	SECTION 10-00089-00-SW	COUNTY COOK	TOTAL SHEETS 38	SHEET NO. 21
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT M-9003(782)		



FILE NAME = 10372_02.XSECT-01 - IDOT P(3)

USER NAME =
 PLOT SCALE =
 PLOT DATE = 11-05-13

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 CHECKED -- TRL
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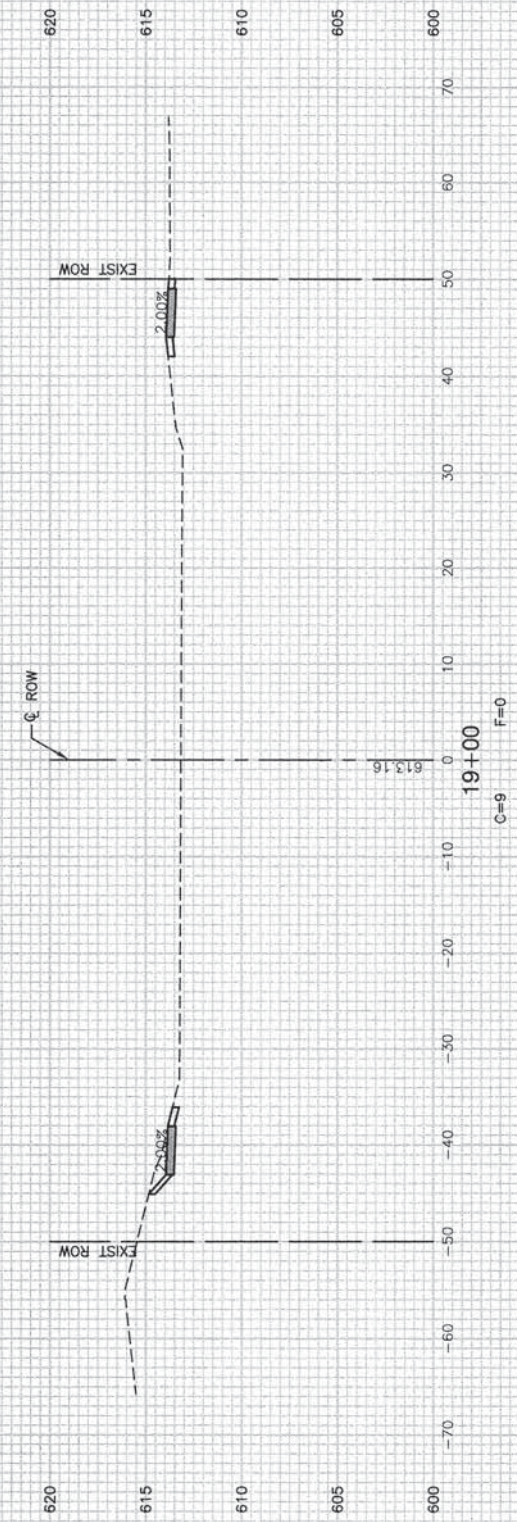
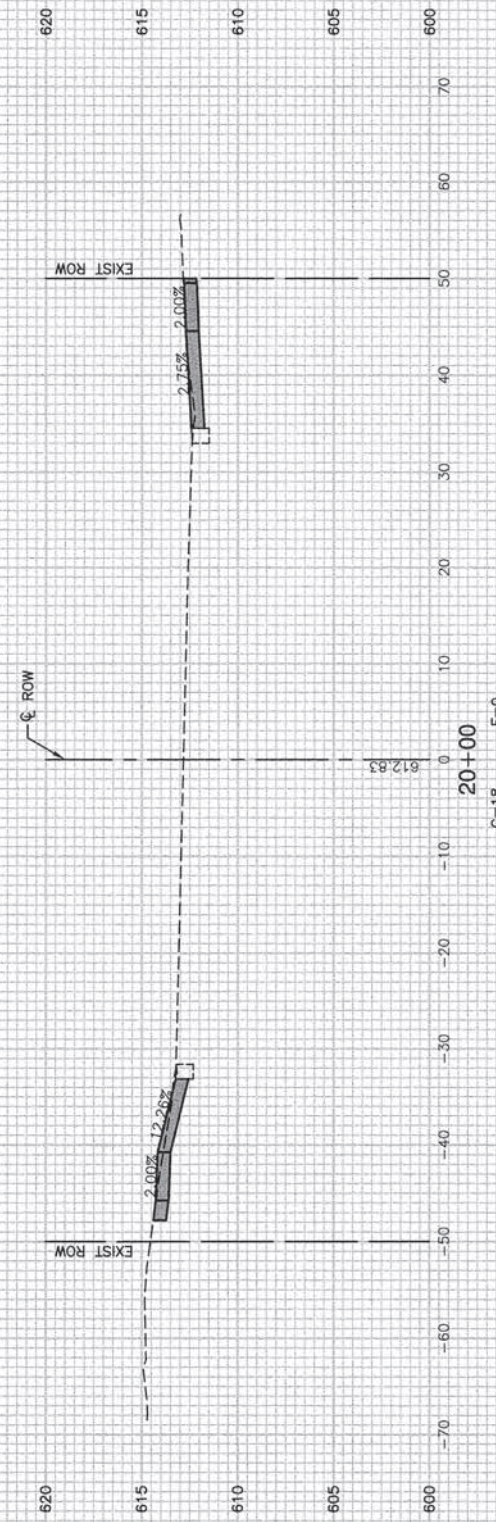
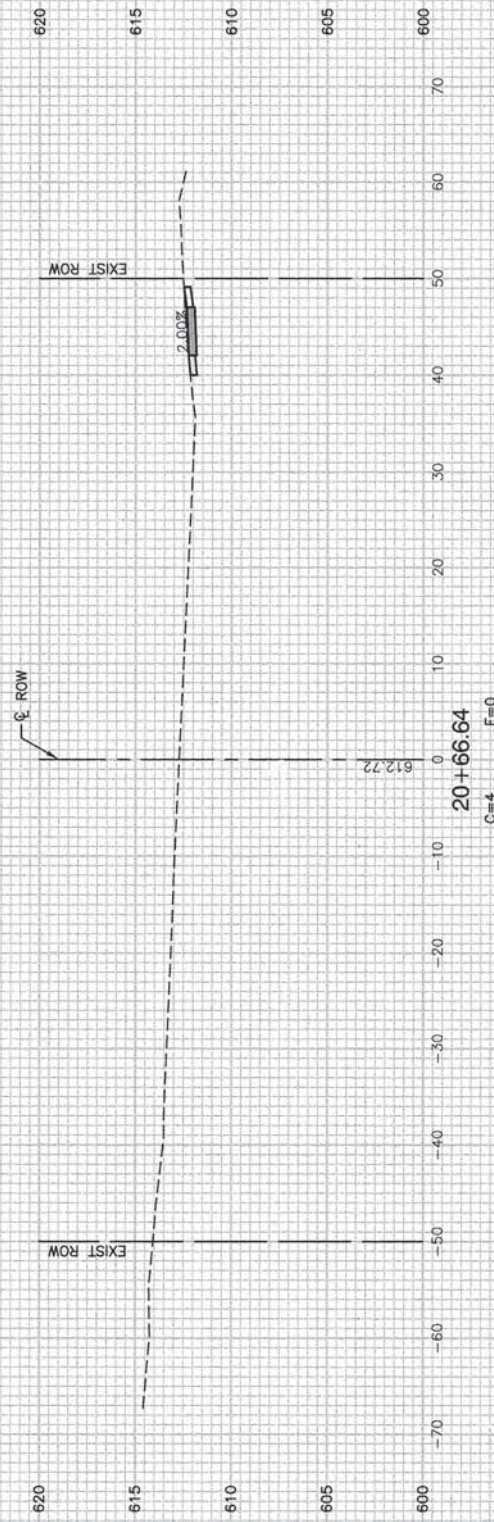
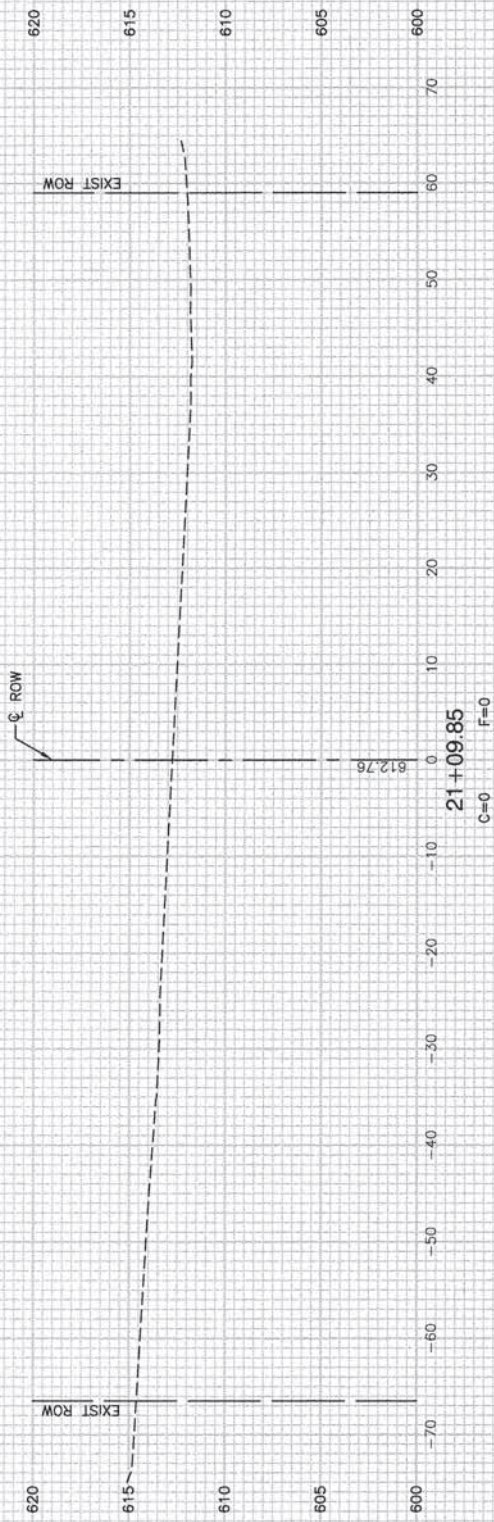
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

FAP 350 (CICERO AVENUE)
 SIDEWALK CONSTRUCTION
 CROSS SECTIONS

F.A.P. RTE. 350	SECTION 10-00089-00-SW	COUNTY COOK	TOTAL SHEETS 38	SHEET NO. 22
FED. ROAD DIST. NO. 1 ILLINOIS			FED. AID PROJECT M-9003(782)	

SCALE: H 1"=10' V 1"=5'
 SHEET NO. 22 OF 38 SHEETS
 STA. TO STA.



FILE NAME = 10372_02-XSECT-01 - IDOT P(4)

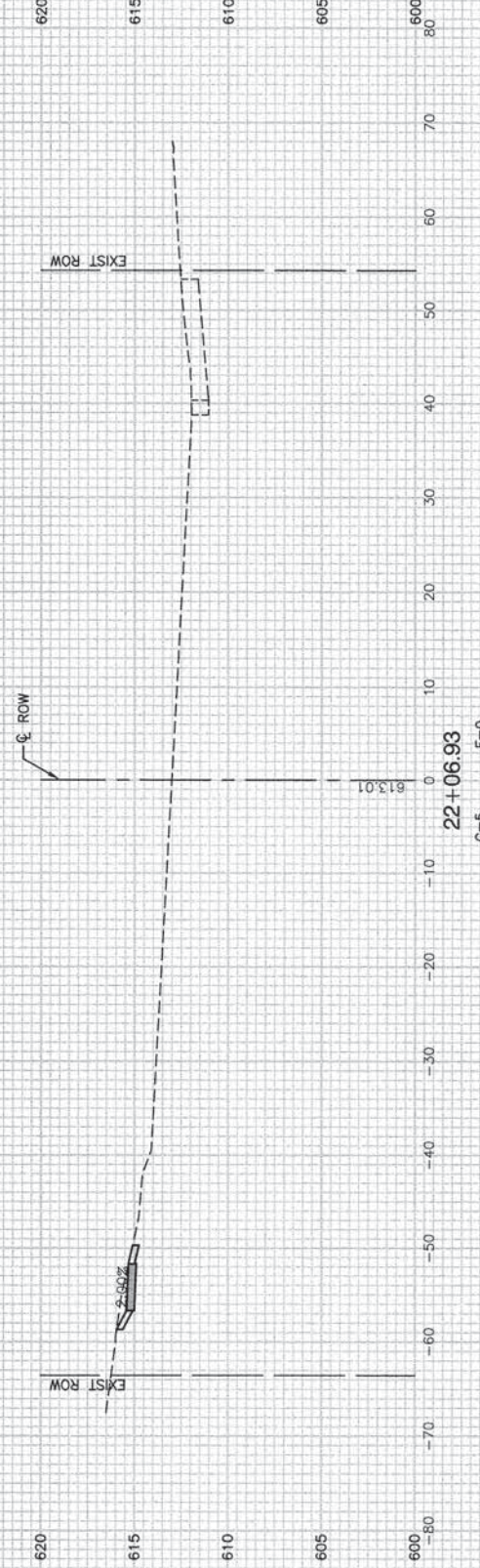
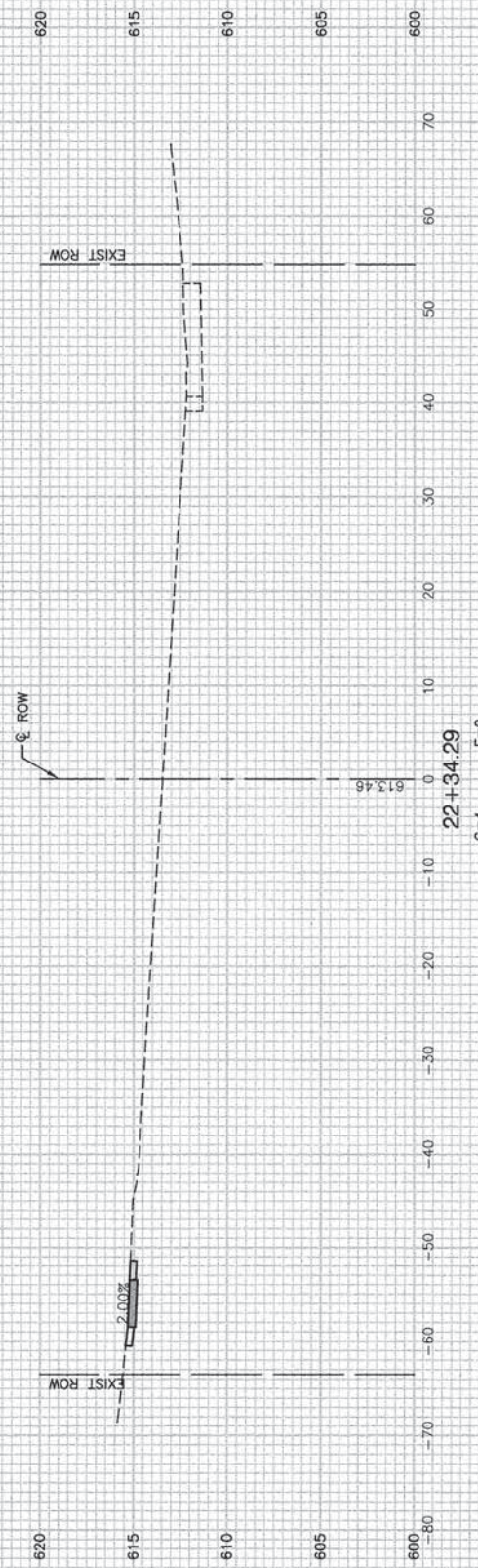
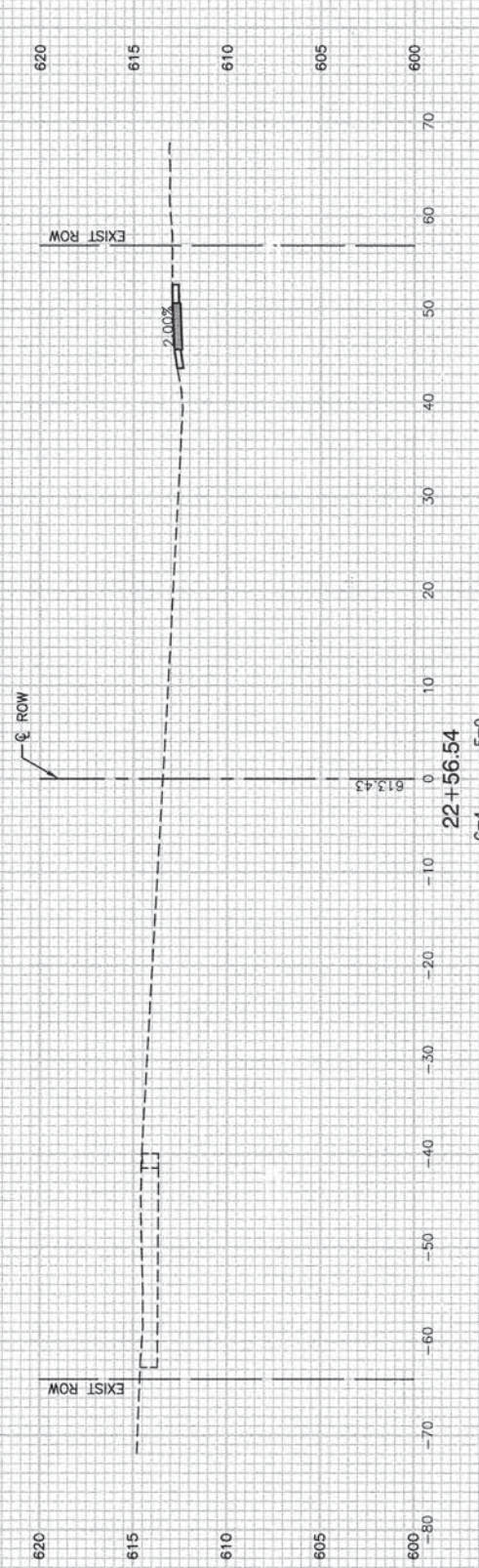
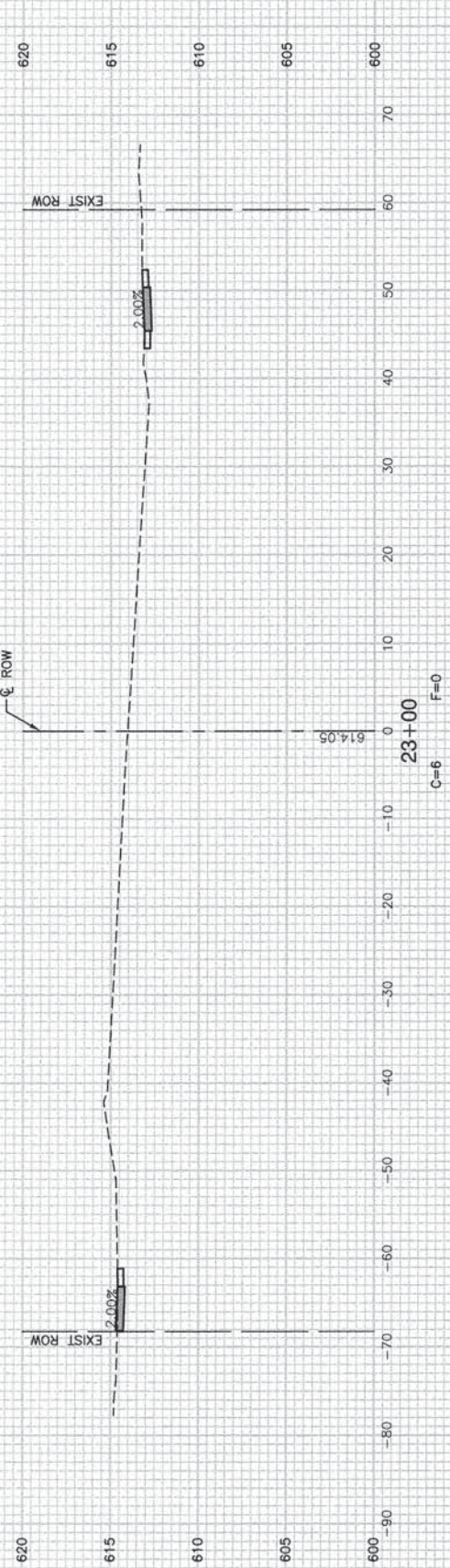
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	CHECKED -- TRL	REVISED --
PLOT SCALE =	DRAWN -- ACAD	REVISED --
PLOT DATE = 11-05-13	CHECKED -- ACAD	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 350 (CICERO AVENUE)
SIDEWALK CONSTRUCTION
CROSS SECTIONS

SCALE: H 1"=10' V 1"=5' SHEET NO. 23 OF 38 SHEETS STA. TO STA.

F.A.P. RTE. 350	SECTION 10-00089-00-SW	COUNTY COOK	TOTAL SHEETS 38	SHEET NO. 23
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT M-9003(782)		



FILE NAME = 10372_02-XSECT-01 - IDOT P(5)

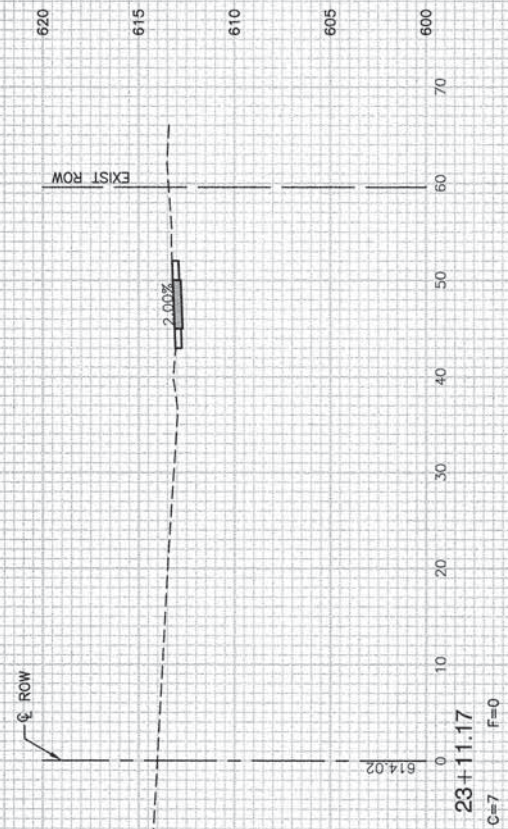
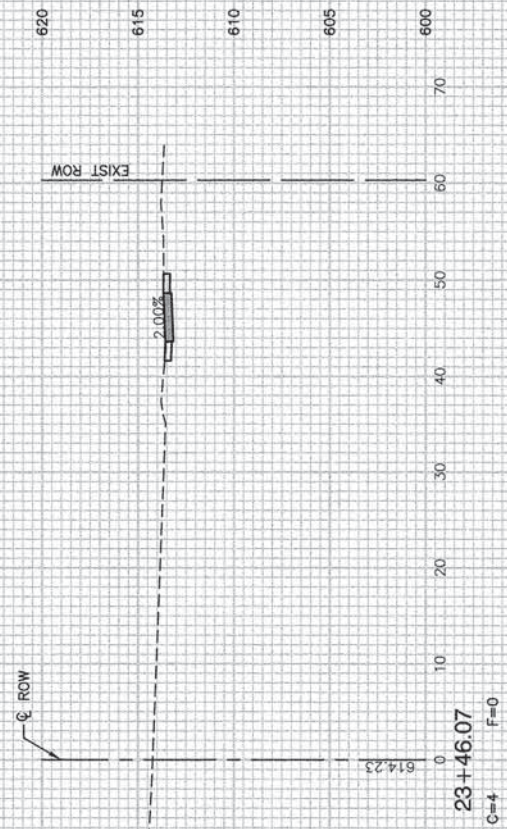
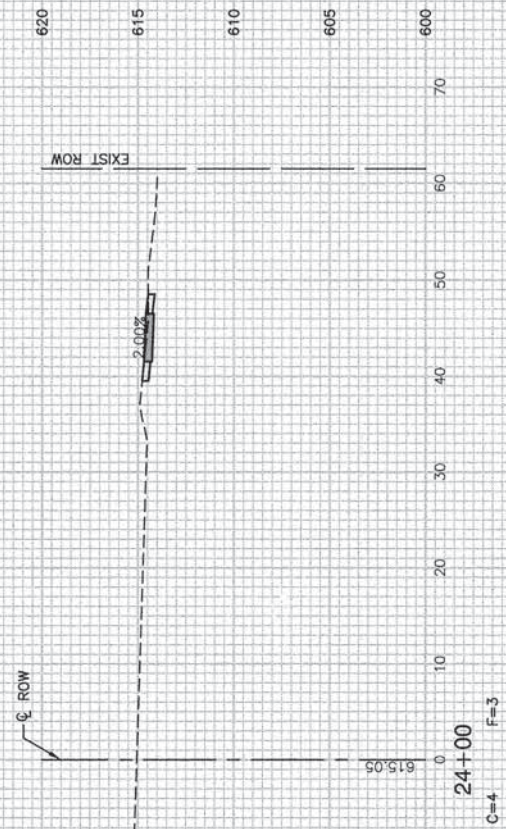
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	CHECKED -	TRL	REVISED -
PLOT SCALE =	DRAWN -	ACAD	REVISED -
PLOT DATE = 11-05-13	CHECKED -	ACAD	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 350 (CICERO AVENUE)
SIDEWALK CONSTRUCTION
CROSS SECTIONS

SCALE: H 1"=10' V1"=5' SHEET NO. 24 OF 38 SHEETS STA. TO STA.

F.A.P. RTE. 350	SECTION 10-00089-00-SW	COUNTY COOK	TOTAL SHEETS 38	SHEET NO. 24
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT M-9003(782)		
CONTRACT NO. 63890				



FILE NAME = 10372_02-XSECT-01 - IDOT P(6)

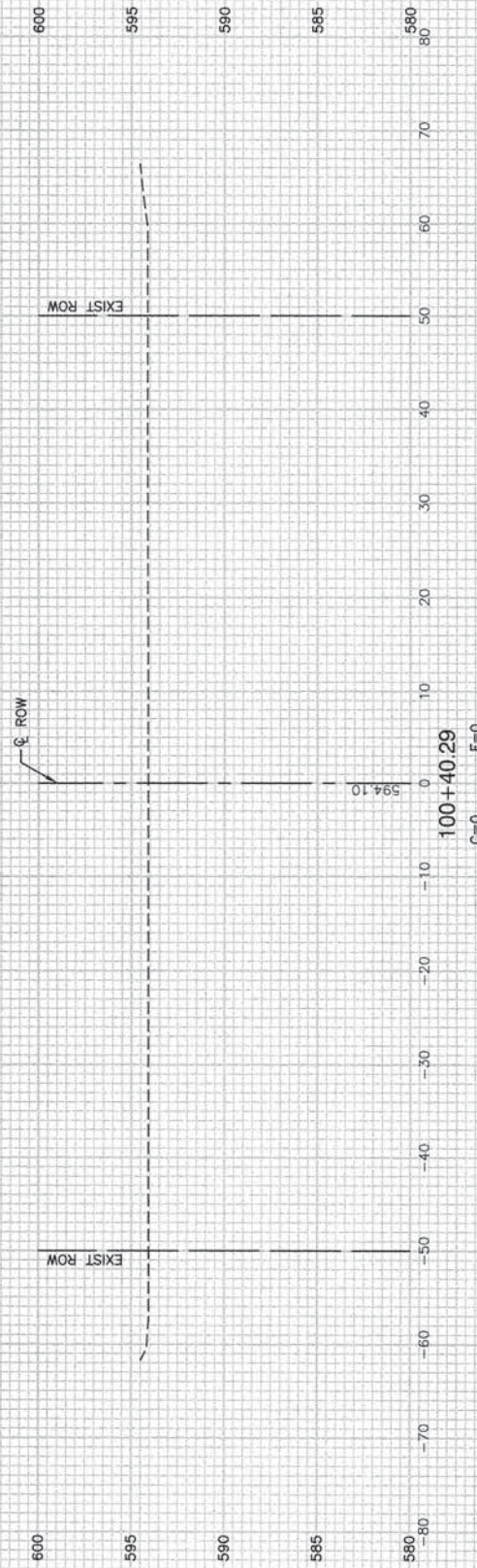
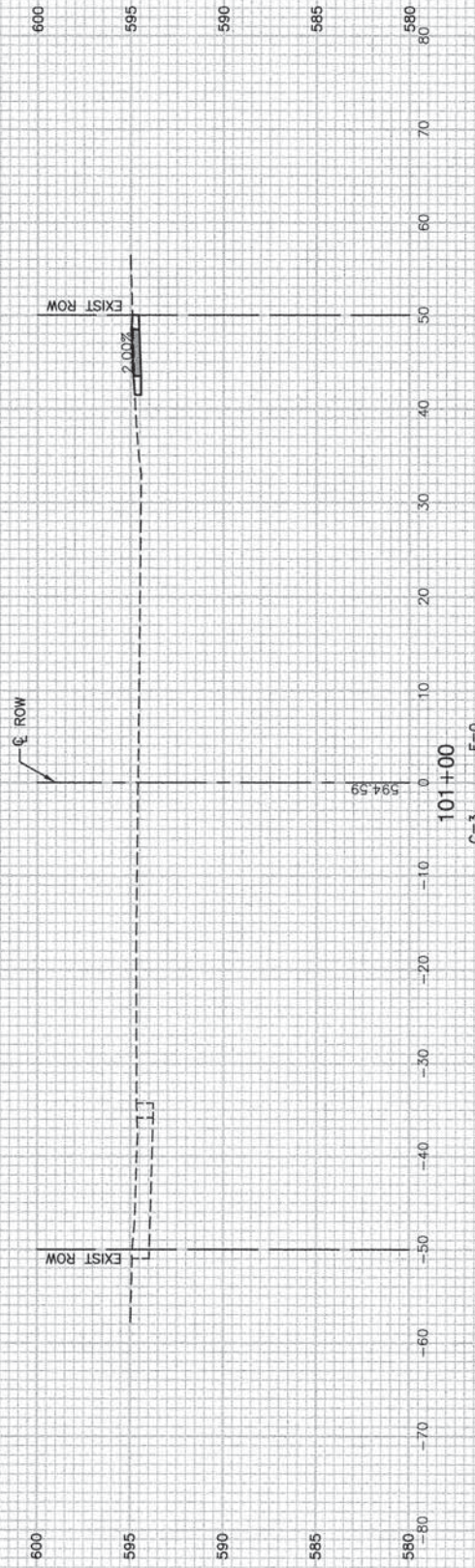
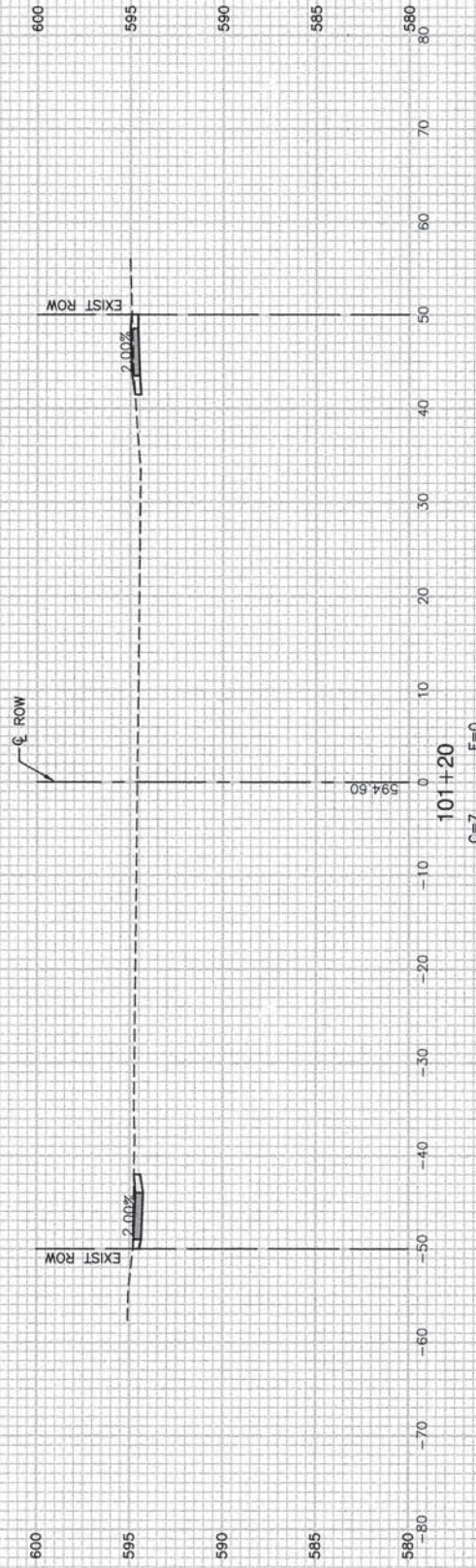
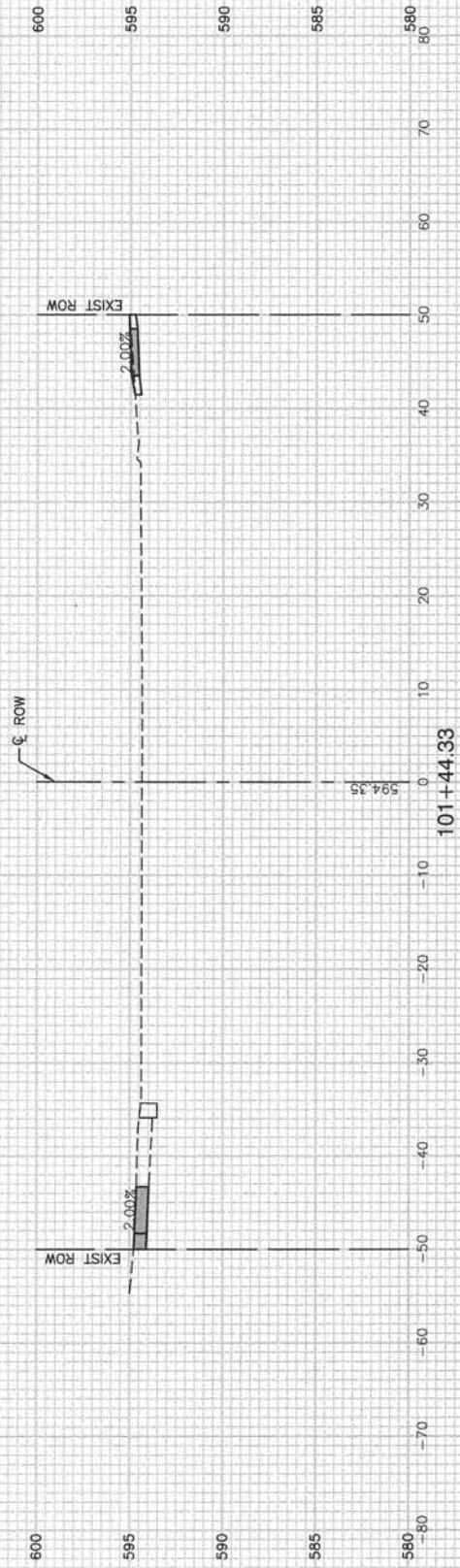
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	CHECKED -- TRL	REVISED --
PLOT SCALE =	DRAWN -- ACAD	REVISED --
PLOT DATE = 11-05-13	CHECKED -- ACAD	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 350 (CICERO AVENUE)
SIDEWALK CONSTRUCTION
CROSS SECTIONS

SCALE: H 1"=10' V 1"=5' SHEET NO. 25 OF 38 SHEETS STA. TO STA.

F.A.P. RTE. 350	SECTION 10-00089-00-SW	COUNTY COOK	TOTAL SHEETS 38	SHEET NO. 25
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT M-9003(782)	
CONTRACT NO. 63890				



FILE NAME = 10372_02-XSECT-01 - IDOT P(8)

USER NAME =	DESIGNED -- TRL	REVISED --
PLOT SCALE =	CHECKED -- TRL	REVISED --
PLOT DATE = 11-05-13	DRAWN -- ACAD	REVISED --
	CHECKED -- ACAD	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 350 (CICERO AVENUE)
SIDEWALK CONSTRUCTION
CROSS SECTIONS

SCALE: H 1"=10' V 1"=5'
SHEET NO. 26 OF 38 SHEETS
STA. TO STA.

F.A.P. RTE. 350	SECTION 10-00089-00-SW	COUNTY COOK	TOTAL SHEETS 38	SHEET NO. 26
FED. ROAD DIST. NO. 1		ILLINOIS	CONTRACT NO. 63890	
FED. AID PROJECT M-9003(782)				

600
595
590
585
580

80
70
60
50
40
30
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80

EXIST ROW

EXIST ROW

2.00%

EXIST ROW

2.00%

600
595
590
585
580

80
70
60
50
40
30
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80

EXIST ROW

2.00%

105+00
C=7
F=0

594.51

600
595
590
585
580

80
70
60
50
40
30
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80

EXIST ROW

EXIST ROW

2.00%

EXIST ROW

2.00%

600
595
590
585
580

80
70
60
50
40
30
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80

EXIST ROW

2.00%

104+00
C=6
F=0

594.29

600
595
590
585
580

80
70
60
50
40
30
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80

EXIST ROW

EXIST ROW

2.00%

EXIST ROW

2.00%

600
595
590
585
580

80
70
60
50
40
30
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80

EXIST ROW

2.00%

103+00
C=7
F=0

594.39

600
595
590
585
580

80
70
60
50
40
30
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80

EXIST ROW

EXIST ROW

2.00%

EXIST ROW

2.00%

600
595
590
585
580

80
70
60
50
40
30
20
10
0
-10
-20
-30
-40
-50
-60
-70
-80

EXIST ROW

2.00%

102+00
C=4
F=0

594.25

FILE NAME = 10372_02-XSECT-01 - IDOT P(9)

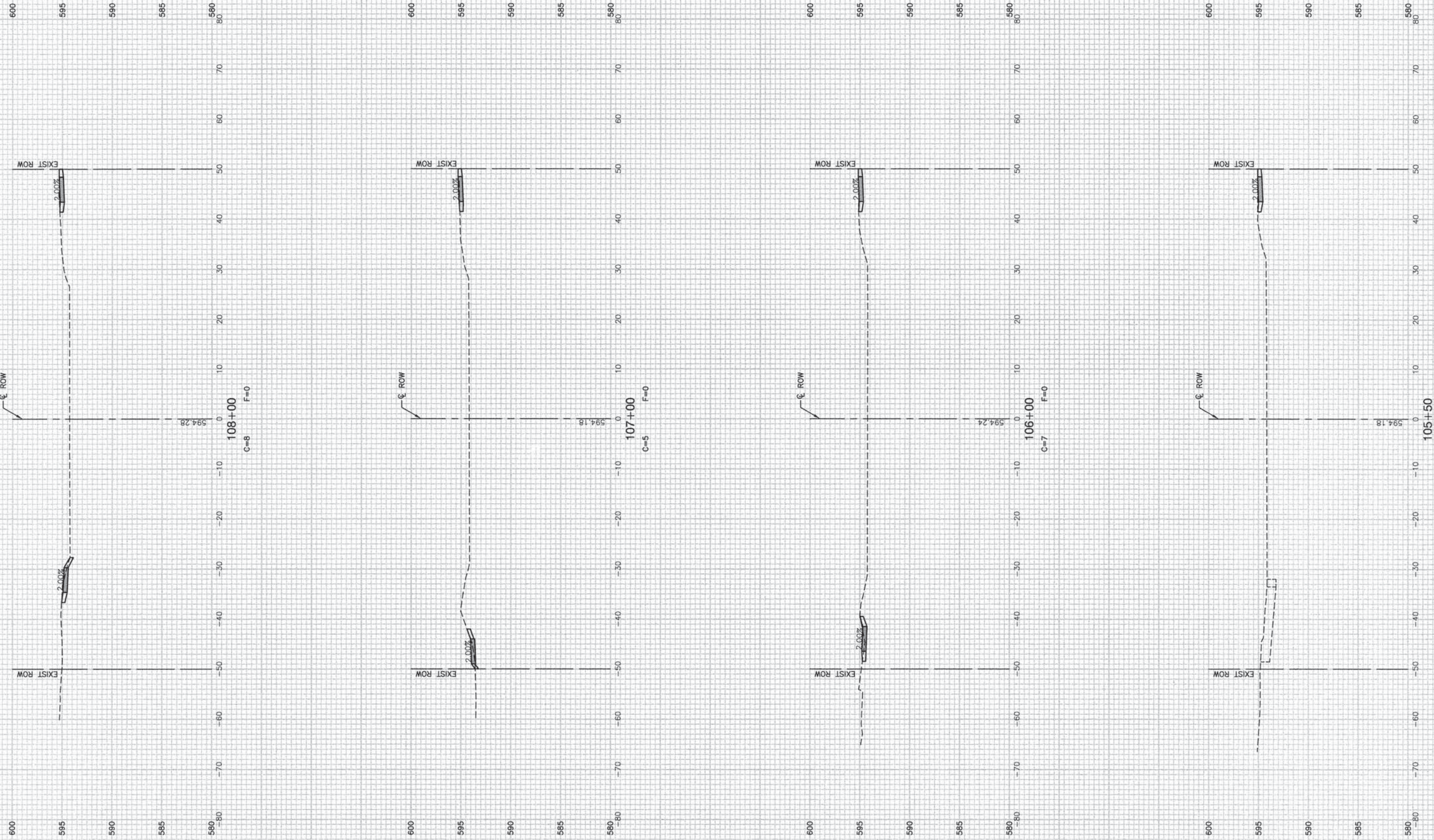
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PLOT SCALE =	DRAWN -- ACAD	REVISED --
PLOT DATE = 11-05-13	CHECKED -- ACAD	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 350 (CICERO AVENUE)
SIDEWALK CONSTRUCTION
CROSS SECTIONS

SCALE: H 1"=10' V 1"=5' SHEET NO. 27 OF 38 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	10-00089-00-SW	COOK	38	27
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(782)			CONTRACT NO. 63890	



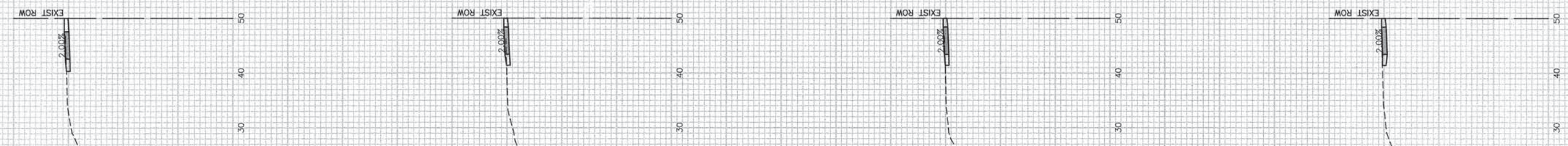
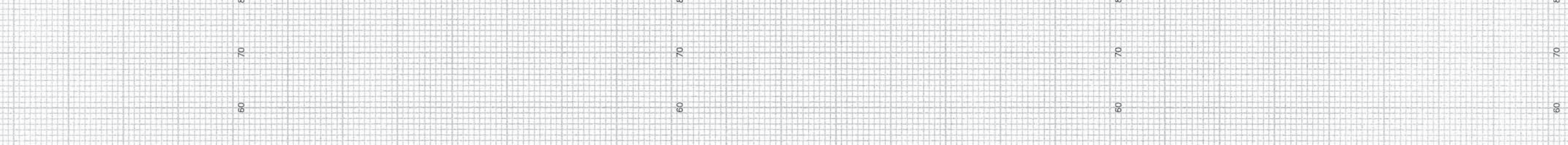
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	CHECKED -- TRL	REVISED --
PLOT SCALE =	DRAWN -- ACAD	REVISED --
PLOT DATE = 11-05-13	CHECKED -- ACAD	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 350 (CICERO AVENUE) SIDEWALK CONSTRUCTION CROSS SECTIONS		F.A.P. RTE. 350	SECTION 10-00089-00-SW	COUNTY COOK	TOTAL SHEETS 38	SHEET NO. 28
SCALE: H 1"=10' V 1"=5'		SHEET NO. 28 OF 38 SHEETS		STA. TO STA.	CONTRACT NO. 63890	
		FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT M-9003(782)		

600 595 590 585 580 80 70 60 50 40 30 20 10 0 -10 -20 -30 -40 -50 -60 -70 -80



FILE NAME = 10372_02-XSECT-01 - IDOT P(11)

USER NAME =	DESIGNED - TRL	REVISED -
	CHECKED - TRL	REVISED -
PLOT SCALE =	DRAWN - ACAD	REVISED -
PLOT DATE = 11-05-13	CHECKED - ACAD	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 350 (CICERO AVENUE)
SIDEWALK CONSTRUCTION
CROSS SECTIONS

SCALE: H 1"=10' V1"=5' SHEET NO. 29 OF 38 SHEETS STA. TO STA.

F.A.P. RTE 350	SECTION 10-00089-00-SW	COUNTY COOK	TOTAL SHEETS 38	SHEET NO. 29
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT M-9003(782)		

600
595
590
585
580

80
70
60
50

EXIST ROW

2.00%

EXIST ROW

℄ ROW

594.43
113+00
C=3
F=0

-10
-20
-30
-40
-50

EXIST ROW

600
595
590
585
580

80
70
60
50

600
595
590
585
580

80
70
60
50

EXIST ROW

2.00%

EXIST ROW

℄ ROW

594.45
112+00
C=2
F=0

-10
-20
-30
-40
-50

EXIST ROW

600
595
590
585
580

80
70
60
50

600
595
590
585
580

80
70
60
50

EXIST ROW

2.00%

EXIST ROW

℄ ROW

594.46
111+00
C=4
F=0

-10
-20
-30
-40
-50

EXIST ROW

600
595
590
585
580

80
70
60
50

600
595
590
585
580

80
70
60
50

EXIST ROW

2.00%

EXIST ROW

℄ ROW

594.17
110+77.60
C=4
F=0

-10
-20
-30
-40
-50

EXIST ROW

600
595
590
585
580

80
70
60
50

FILE NAME = 10372_02.XSECT-01 - IDOT P(12)

USER NAME =
PLOT SCALE =
PLOT DATE = 11-05-13

DESIGNED -- TRL
CHECKED -- TRL
DRAWN -- ACAD
CHECKED -- ACAD

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 350 (CICERO AVENUE)
SIDEWALK CONSTRUCTION
CROSS SECTIONS

SCALE: H 1"=10' V 1"=5'
SHEET NO. 30 OF 38 SHEETS
STA. TO STA.

F.A.P. RTE. 350	SECTION 10-00089-00-SW	COUNTY COOK	TOTAL SHEETS 38	SHEET NO. 30
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63890	
FED. AID PROJECT M-9003(762)				

600
595
590
585
580

80
70
60
50

EXIST ROW

2.00%

℄ ROW

594.47

116+00
C=3
F=0

-10
-20
-30
-40
-50
-60
-70
-80

EXIST ROW

600
595
590
585
580

600
595
590
585
580

80
70
60
50

EXIST ROW

2.00%

℄ ROW

594.28

115+00
C=4
F=0

-10
-20
-30
-40
-50
-60
-70
-80

EXIST ROW

600
595
590
585
580

600
595
590
585
580

80
70
60
50

EXIST ROW

2.00%

℄ ROW

594.17

114+21.48
C=4
F=0

-10
-20
-30
-40
-50
-60
-70
-80

EXIST ROW

600
595
590
585
580

600
595
590
585
580

80
70
60
50

EXIST ROW

2.00%

℄ ROW

594.15

113+72.82
C=4
F=0

-10
-20
-30
-40
-50
-60
-70
-80

EXIST ROW

600
595
590
585
580

FILE NAME = 10372_02-XSECT-01 - IDOT P(13)

USER NAME =
PLOT SCALE =
PLOT DATE = 11-05-13

DESIGNED -- TRL
CHECKED -- TRL
DRAWN -- ACAD
CHECKED -- ACAD

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

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: H 1"=10' V 1"=5'
SHEET NO. 31 OF 38 SHEETS
STA. TO STA.

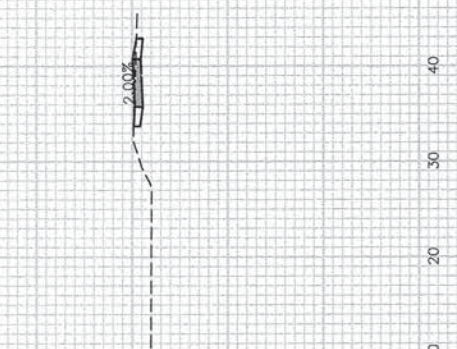
FAP 350 (CICERO AVENUE)
SIDEWALK CONSTRUCTION
CROSS SECTIONS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	10-00089-00-SW	COOK	38	31
FED. ROAD DIST. NO. 1 ILLINOIS			FED. AID PROJECT M-9003(782)	
			CONTRACT NO. 63890	

600
595
590
585
580

80
70
60
50

EXIST ROW



118+18.08
C=9
F=0

594.04

0

EXIST ROW

EXIST ROW

EXIST ROW

EXIST ROW

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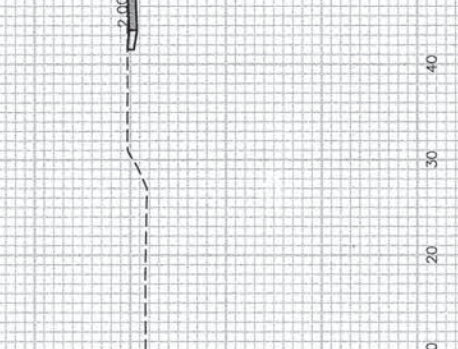
EXIST ROW

EXIST ROW

600
595
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585
580

80
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EXIST ROW



117+28.54
C=8
F=0

594.17

0

EXIST ROW

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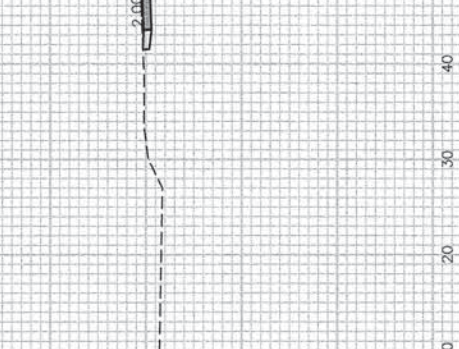
EXIST ROW

EXIST ROW

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EXIST ROW



117+00
C=8
F=0

594.37

0

EXIST ROW

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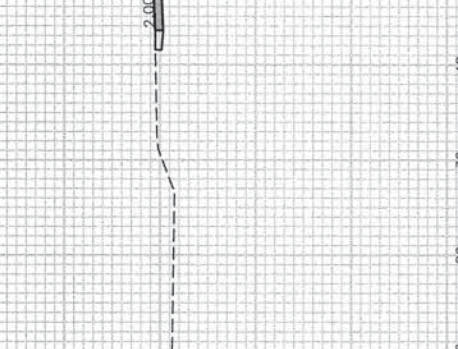
EXIST ROW

EXIST ROW

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EXIST ROW



116+42.93
C=14
F=0

594.40

0

EXIST ROW

EXIST ROW

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FILE NAME = 10372_02-XSECT-01 - IDOT P(14)

USER NAME =	DESIGNED -- TRL	REVISED --
PLOT SCALE =	CHECKED -- TRL	REVISED --
PLOT DATE = 11-05-13	DRAWN -- ACAD	REVISED --
	CHECKED -- ACAD	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 350 (CICERO AVENUE)
SIDEWALK CONSTRUCTION
CROSS SECTIONS

SCALE: H 1"=10' V 1"=5' SHEET NO. 32 OF 38 SHEETS STA. TO STA.

F A P	SECTION	COUNTY	TOTAL	SHEET
RTE.	10-00089-00-SW	COOK	SHEETS	NO.
350			38	32
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(782)			CONTRACT NO. 63890	

600
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590
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FILE NAME = 10372_02-XSECT-01 - IDOT P(15)

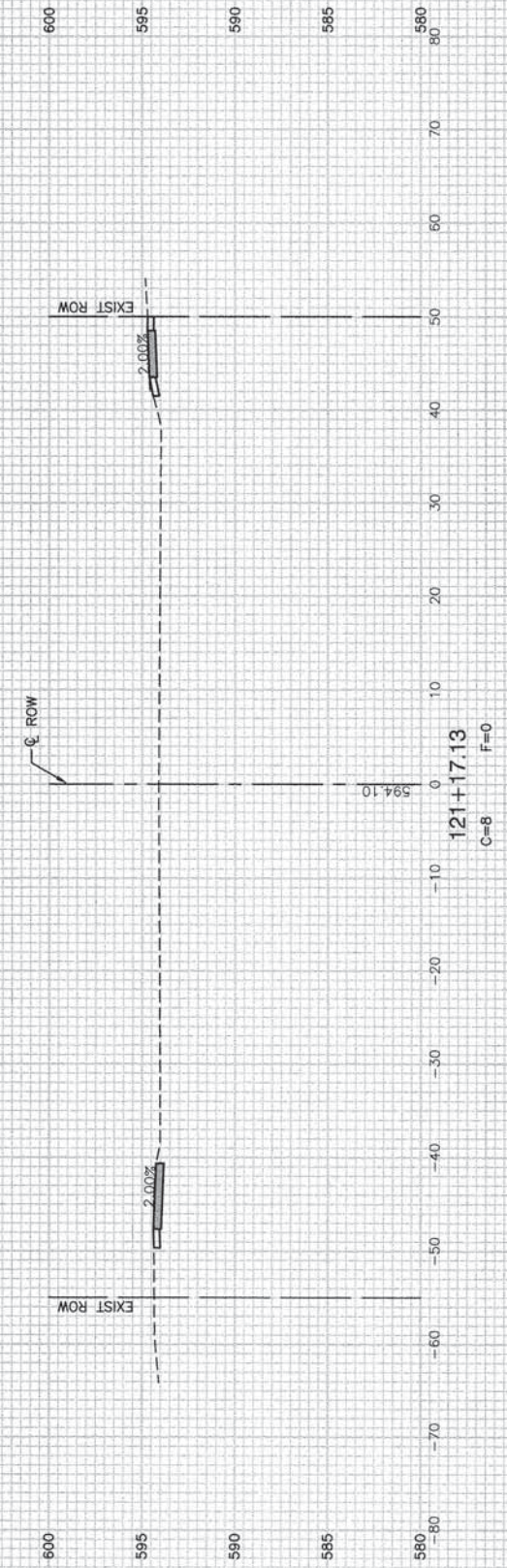
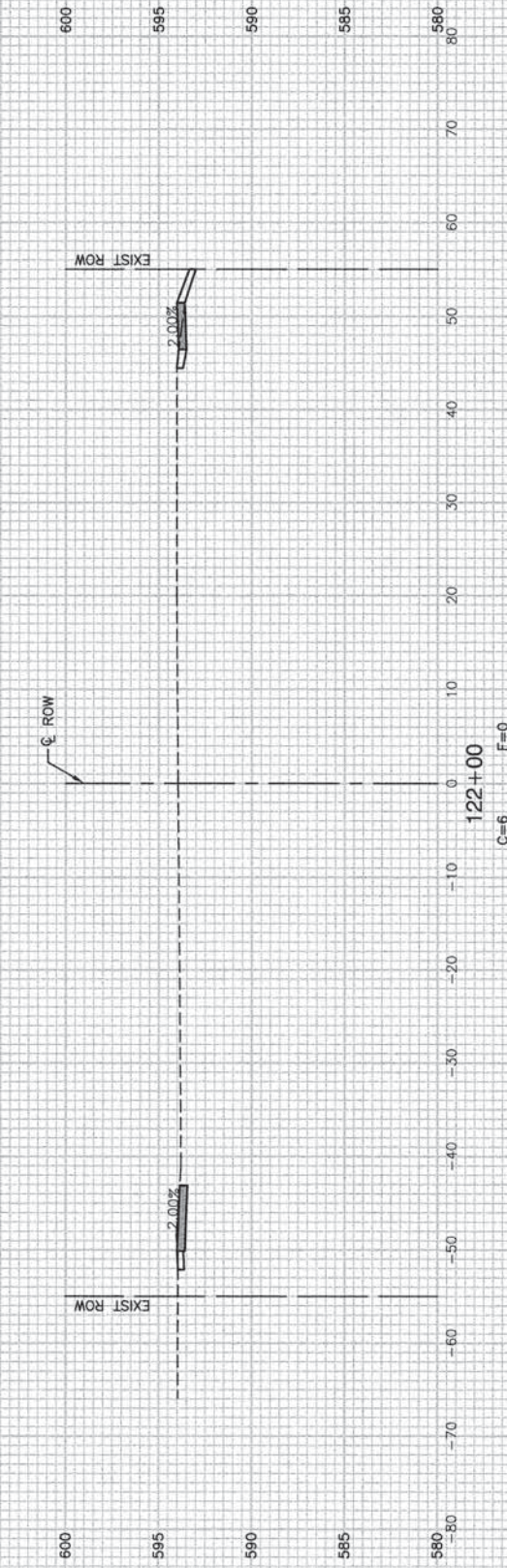
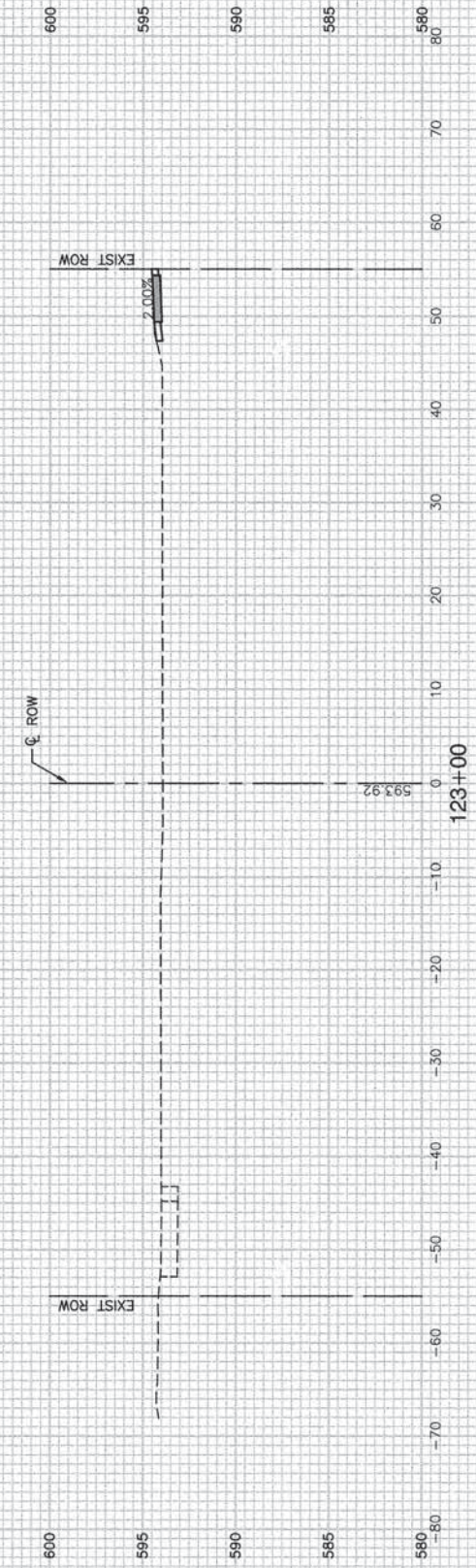
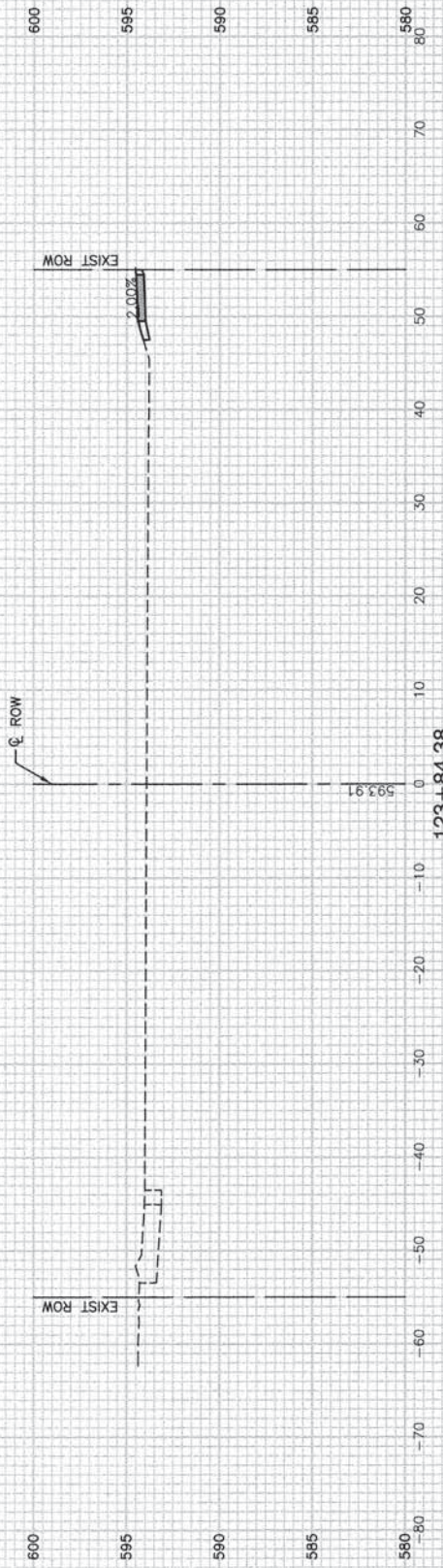
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PLOT DATE = 11-05-13	CHECKED -- ACAD	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 350 (CICERO AVENUE)
SIDEWALK CONSTRUCTION
CROSS SECTIONS

SCALE: H 1"=10' V1"=5' SHEET NO. 33 OF 38 SHEETS STA. TO STA.

F.A.P. RTE. 350	SECTION 10-00089-00-SW	COUNTY COOK	TOTAL SHEETS 38	SHEET NO. 33
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(782)			CONTRACT NO. 63890	



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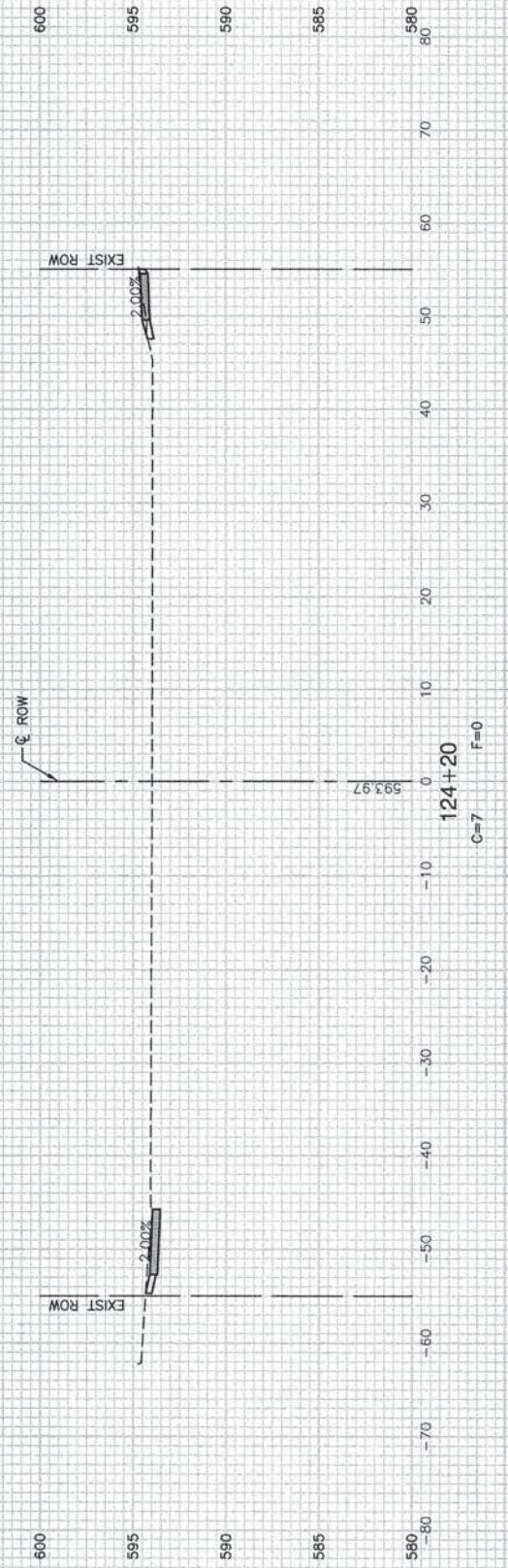
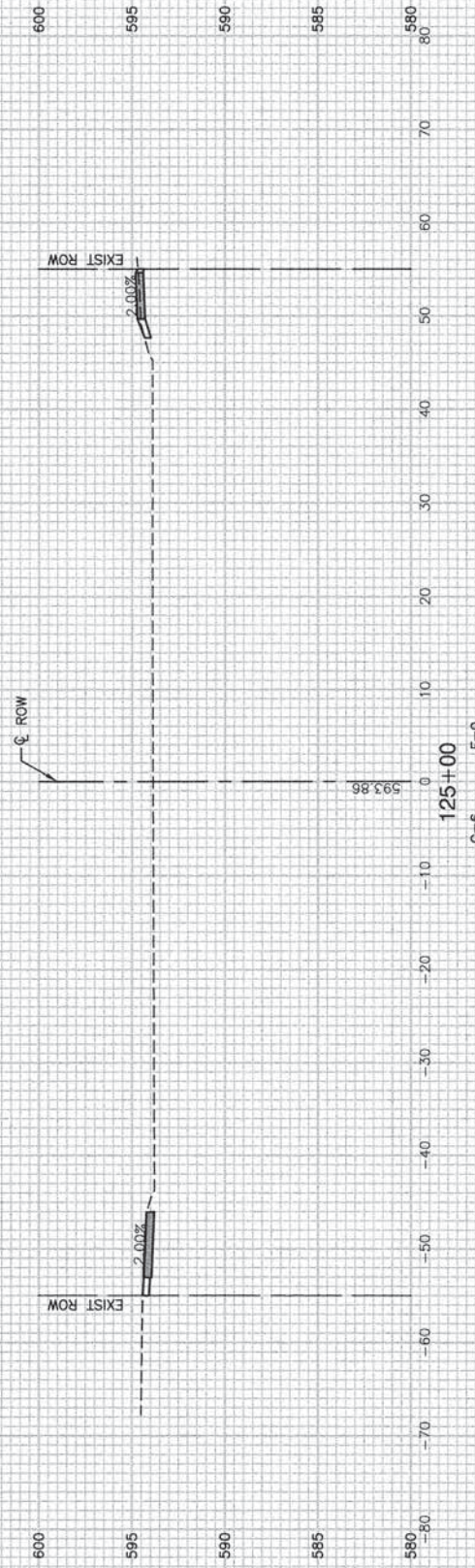
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PLOT SCALE =	DRAWN -- ACAD	REVISED --
PLOT DATE = 11-05-13	CHECKED -- ACAD	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 350 (CICERO AVENUE)
SIDEWALK CONSTRUCTION
CROSS SECTIONS

SCALE: H 1"=10' V 1"=5' SHEET NO. 34 OF 38 SHEETS STA. TO STA.

F.A.P. RTE. 350	SECTION 10-00089-00-SW	COUNTY COOK	TOTAL SHEETS 39	SHEET NO. 34
FED. ROAD DIST. NO. 1		ILLINOIS	CONTRACT NO. 63890	
		FED. AID PROJECT	M-9003(782)	



FILE NAME = 10372_02-XSECT-01 - IDOT P(17)

USER NAME =	DESIGNED -- TRL	REVISED --
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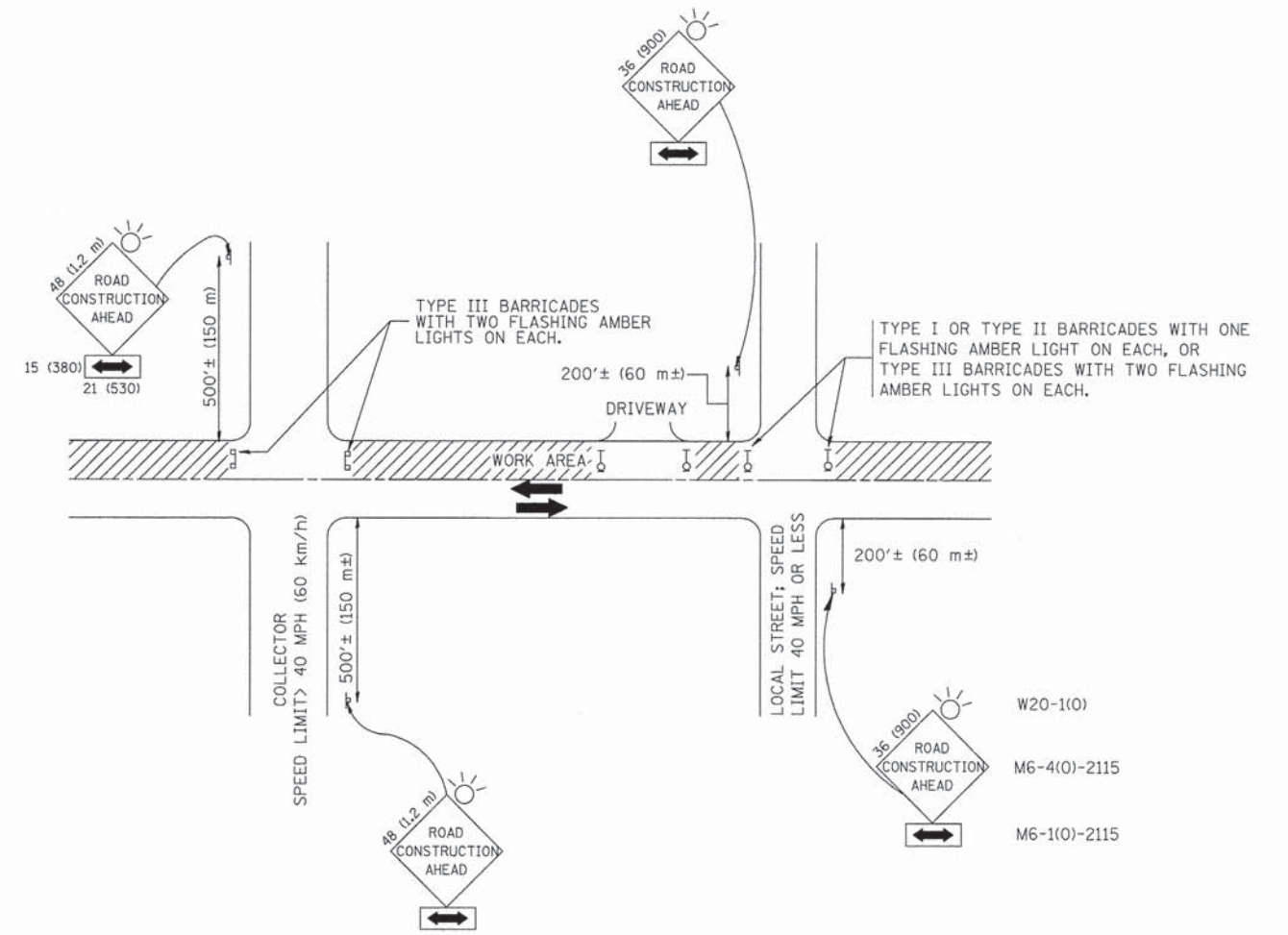
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP 350 (CICERO AVENUE)
SIDEWALK CONSTRUCTION
CROSS SECTIONS

SCALE: H 1"=10' V 1"=5' SHEET NO. 35 OF 38 SHEETS STA. TO STA.

F.A.P. RTE. 350	SECTION 10-00089-00-SW	COUNTY COOK	TOTAL SHEETS 38	SHEET NO. 35
FED. ROAD DIST. NO. 1 ILLINOIS			FED. AID PROJECT M-9003(782)	

CONTRACT NO. 63890



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

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
- 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:
 - 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.
 - 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.
 - SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - 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.
 - 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.
 - 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.

FILE NAME =	USER NAME = gaglianob	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95
W:\diststd\22x34\tcl8.dgn		DRAWN -	REVISED - A. HOUSEH 03-06-96
		CHECKED -	REVISED - A. HOUSEH 10-15-96
		DATE - 06-89	REVISED - T. RAMMACHER 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SCALE: NONE SHEET NO. 36 OF 38 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	10-00089-00-SW	COOK	38	36
TC-10			CONTRACT NO. 63890	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(782)				

VARIABLE - TO MEET EXISTING DIMENSIONS AND FIELD CONDITIONS (SEE NOTE ②)

PROP. CONC. CURB OR CURB AND GUTTER REPLACEMENT IN ACCORDANCE WITH STATE STANDARD 606001. (SEE NOTE ②)

SAW CUT FULL DEPTH - INCLUDED IN THE COST OF SIDEWALK, DRIVEWAY OR MEDIAN SURFACE REMOVAL PAY ITEM.

SEE STATE STANDARD 606001
EXISTING OR PROPOSED HMA SURFACE (IF APPLICABLE)

18" (450) MAX.

1/4" (5) **

EXISTING SIDEWALK, DRIVEWAY, MEDIAN SURFACE, SOD OR GROUND.

PROPOSED SIDEWALK, DRIVEWAY PAVEMENT, MEDIAN SURFACE OR SODDING SALT TOLERANT WITH TOP SOIL, 4" (100) SOD RESTORATION (SEE NOTE ①).

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

3" (75) MIN.

SUITABLE BACKFILL MATERIAL (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT)

PROPOSED 3/4" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)

* 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.

UNSUITABLE 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.

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.

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 USUABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

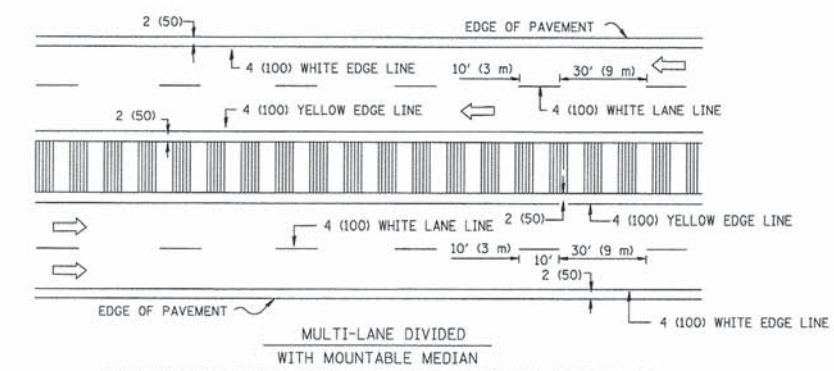
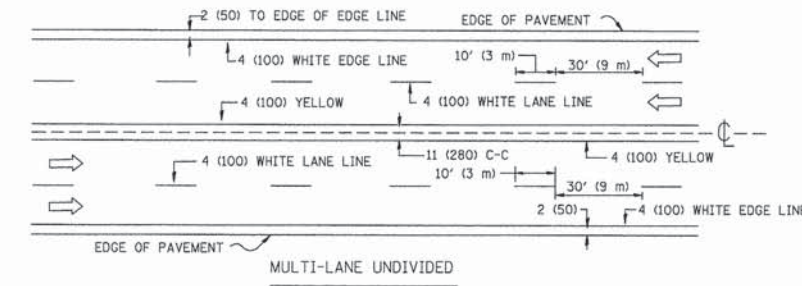
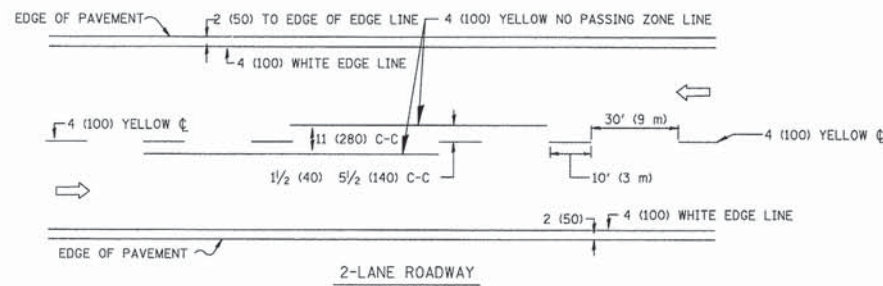
BASIS OF PAYMENT:

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".

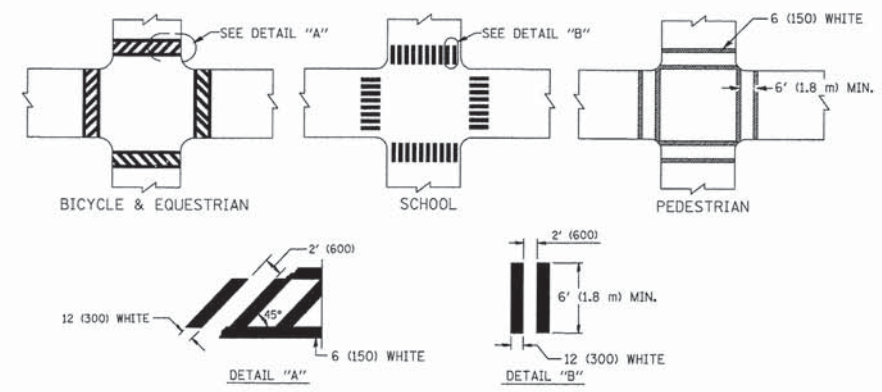
CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

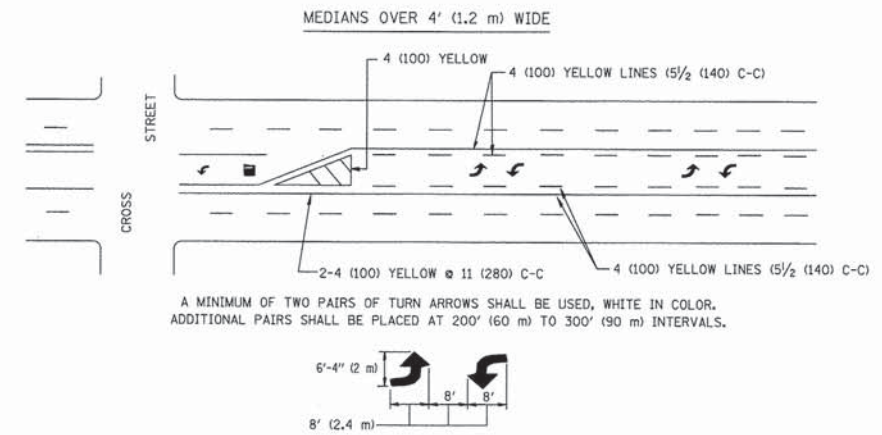
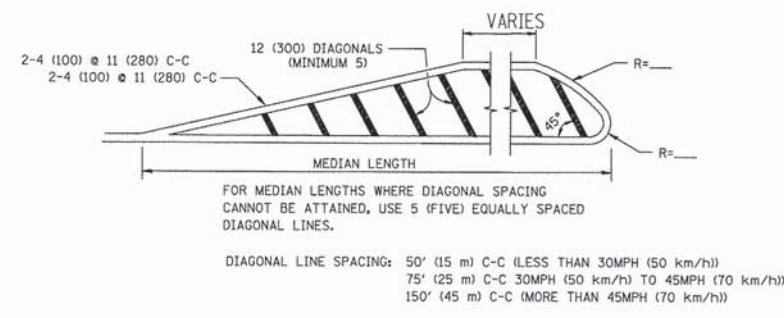
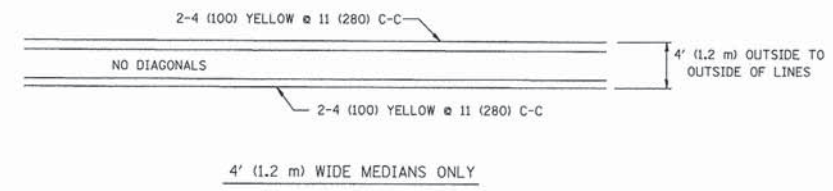
FILE NAME =	USER NAME = drivakosgn	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
os:\pw\work\pwsdot\drivakosgn\d2128315\bd24.dgn	DRAWN -	REVISED - A. ABBAS 03-21-97	350			10-00089-00-SW	COOK	38	37	
PLOT SCALE = 50.000' / IN.	CHECKED -	REVISED - M. GOMEZ 01-22-01	BD600-06 (BD-24)			CONTRACT NO. 63890				
PLOT DATE = 12/15/2009	DATE - 03-11-94	REVISED - R. BORO 12-15-09	FED. ROAD DIST. NO. 1			ILLINOIS	FED. AID PROJECT M-9003(782)			
					SCALE: NONE	SHEET NO. 37 OF 38 SHEETS	STA.	TO STA.		



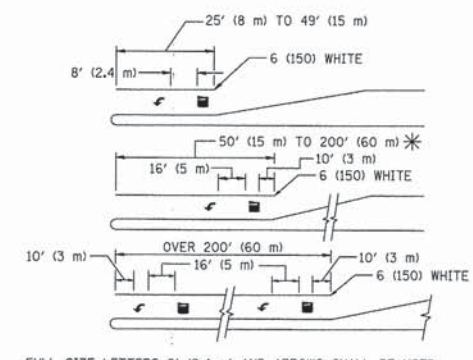
TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING



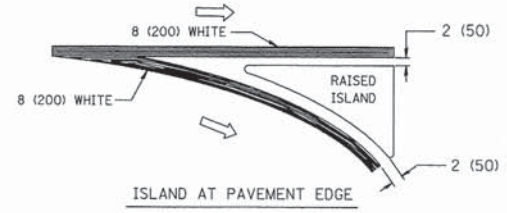
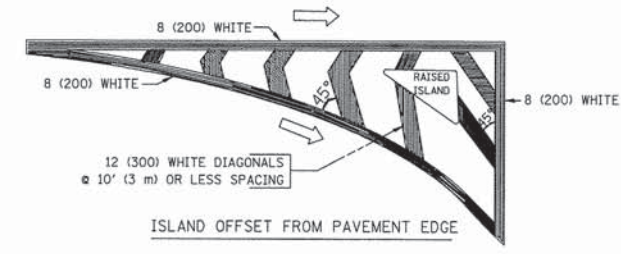
TYPICAL PAINTED MEDIAN MARKING



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 1/2 (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 1/2 (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; 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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ci:\pw\work\p\dot\drvakosgn\d0108315\to3.dgn		DRAWN -	REVISED - C. JUCIUS 09-09-09
	PLOT SCALE = 58.8000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 9/9/2009	DATE - 03-19-90	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

SCALE: NONE SHEET NO. 38 OF 38 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
350	10-00089-00-SW	COOK	38	38
TC-13		CONTRACT NO. 63890		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT M-9003(782)		