

01-15-2016 LETTING ITEM 082

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

FAU ROUTE 9237 (IL 111)
SECTION 54,55RS-3

HALF SMART - IL 111 FROM 0.1 MI N OF
ST CLAIR TO STATE ST IN WASHINGTON PARK
ST CLAIR COUNTY

C-98-048-15

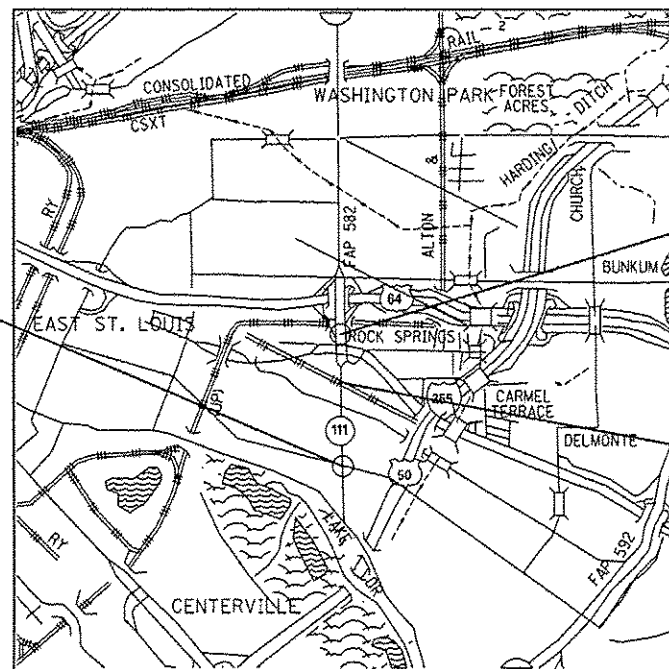
R9W

BEGIN PROJECT
STA. 71 + 35

T2N

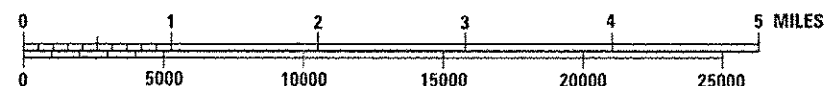
END PROJECT
STA. 118 + 08

METRO-LINK OMISSION
STA 102 + 50 TO
STA 102 + 93



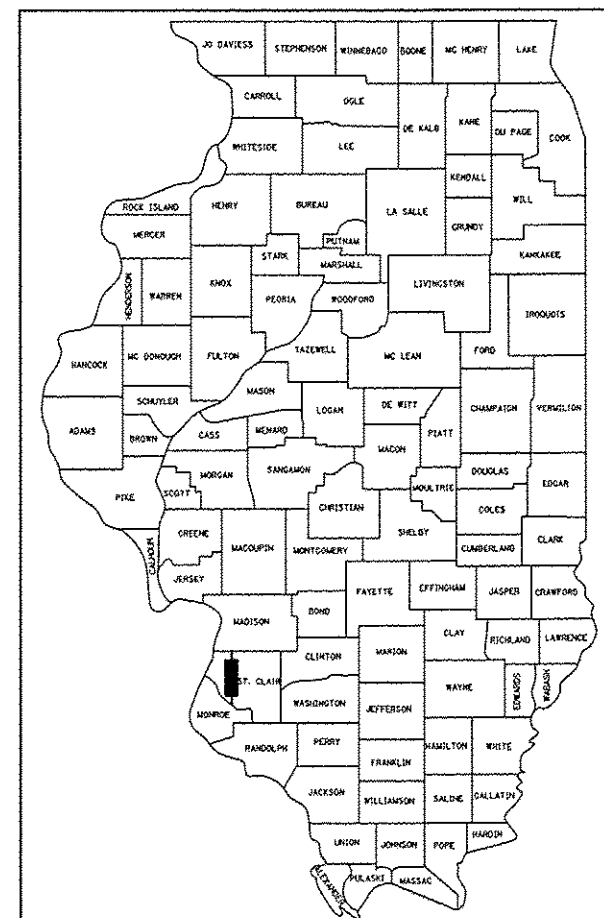
GROSS LENGTH = 4,673 FT. = 0.89 MILE
NET LENGTH = 4,598 FT. = 0.88 MILE

SCALE

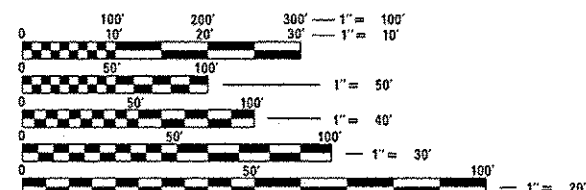


F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
9237	54,55RS-3	ST CLAIR	14	1
ILLINOIS CONTRACT NO. 76H98				

D-98-055-15



LOCATION OF SECTION INDICATED THUS: — ■ —



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

PROJECT ENGINEER: TIM PADGETT (618) 346-3325
PROJECT MANAGER: LIZ BURNSIDE (618) 346-3196

CONTRACT NO. 76H98

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED Oct 21 2015
Jeffrey Z. Kan
DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER

Dec 4 2015
John D. Baranelli
ENGINEER OF DESIGN AND ENVIRONMENT

Dec 4 2015
Omer Osman
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

1	COVER SHEET
2	INDEX OF SHEETS, HIGHWAY
	STANDARDS, COMMITMENTS
	AND GENERAL NOTES
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5-6	TYPICAL SECTIONS
7-8	SCHEDULE OF QUANTITIES
9	LOCATION MAP
10-12	ELECTRICAL PLANS
13-14	DETAILS

HIGHWAY STANDARDS

000001-06
001006
424001-08
424016-02
606001-06
701006-05
701301-04
701311-03
701427-03
701501-06
701601-09
701701-09
701801-05
701901-04
780001-05
781001-03
782001
886001-01
886006-01

COMMITMENTS

NONE

GENERAL NOTES

- ① ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE TO BE GIVEN TO UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

UTILITY	ABOVE GROUND	BELOW GROUND
•AMEREN ILLINOIS (GAS & ELECTRIC)	X	X
•AT&T ILLINOIS (COMMUNICATIONS)	X	X
•BUCKEYE PARTNERS LP - WOOD RIVER (PIPELINE)		X
•CITY OF EAST ST LOUIS (LIGHTING)	X	X
•JLLINOIS AMERICAN WATER COMPANY (WATER)		X
•MEDIACOM LLC CENTRAL (CABLE TV)	X	X
•METRO (COMMUNICATIONS)	X	X
•VILLAGE OF WASHINGTON PARK (SANITARY SEWER)		X

MEMBERS OF J.U.L.I.E. (800)-892-0123 OR 811 ARE INDICATED BY *. NON J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.

- ② "ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE PLACED AT THE BEGINNING AND END OF THE PROJECT PLUS THE INTERSECTING SIDE ROADS AND REQUIRED RAMPS, AND WILL BE INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS. ALL CONSTRUCTION SIGNS SHALL BE FLUORESCENT ORANGE. (48"X48")
- ③ FLAGMEN SHALL BE PRESENT DURING ALL CLOSURE HOURS, INCLUDING LUNCH HOUR, AND NO ADDITIONAL COMPENSATION SHALL BE APPLIED.
- ④ THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- ⑤ NO OVERNIGHT LANE CLOSURES SHALL BE ALLOWED.
- ⑥ THE PROPOSED PAVEMENT MARKINGS SHALL BE PLACED IN THE SAME LOCATION AS EXISTING OR AS DIRECTED BY THE RESIDENT ENGINEER.
- ⑦ ALL AREAS DISTURBED DURING THE REMOVAL AND PLACEMENT OF SIDEWALK SHALL BE SEEDED AS DIRECTED BY THE ENGINEER. THE COST OF SEEDING, MUCH AND FERTILIZERS SHALL BE INCLUDED IN THE COST OF PORTLAND CEMENT SIDEWALK.
- ⑧ TWO LIFTS OF SHORT-TERM PAVEMENT MARKING HAVE BEEN ADDED TO THE CONTRACT. THE FINAL LIFT SHALL BE REMOVED AND PAID FOR AS (WORK ZONE PAVEMENT MARKING REMOVAL - SQ FT). A QUANTITY FOR TEMPORARY PAVEMENT MARKING EQUAL TO THE AMOUNT OF THERMOPLASTIC PAVEMENT MARKINGS HAS BEEN ADDED TO THE PLANS.
- ⑨ THE ILLINOIS DEPARTMENT OF TRANSPORTATION STRONGLY ENCOURAGES THE PRIME CONTRACTOR AND THEIR APPROVED SUB-CONTRACTORS TO HIRE MINORITY, WOMEN AND DISADVANTAGED INDIVIDUALS FROM ITS FEDERALLY FUNDED HIGHWAY CONSTRUCTION CAREERS TRAINING PROGRAM (HCCTP) TO HELP MEET WORKFORCE AND TRAINEE GOALS. THIS PROGRAM IS TRAINING MINORITIES, WOMEN AND DISADVANTAGED INDIVIDUALS IN HIGHWAY CONSTRUCTION-RELATED SKILLS, E.G., MATH FOR THE TRADES, JOB READINESS, TECHNICAL SKILLS COURSEWORK (CARPENTRY, CONCRETE FLATWORK, BLUEPRINT READING, SITE PLANS, SITE WORK, TOOLS USE, ETC.) AND OSHA 10 HOUR CERTIFICATION, TO PREPARE THEM FOR A CAREER IN THE HIGHWAY CONSTRUCTION TRADES. GRADUATES ARE WELL-TRAINED AND READY TO BECOME PRODUCTIVE ENTRY-LEVEL CONSTRUCTION WORKERS. PLEASE CONTACT THE DISTRICT 8 EEO OFFICE AT 618-346-3360 AND/OR THE HCCTP COORDINATOR AT 618-874-6528 TO LEARN MORE ABOUT THE PROGRAM AND FOR ASSISTANCE IN MEETING WORKFORCE AND TRAINEE GOALS.

- ⑩ ALL PATCHING ON THIS PROJECT SHALL BE COMPLETED PRIOR TO BITUMINOUS SURFACE REMOVAL.
- ⑪ THE GRADATION OF AGGREGATE USED FOR THE A-1 BITUMINOUS SURFACE TREATMENT SHALL BE CA20. IF UNAVAILABLE, FA4 (SPECIAL), FA22, OR CA15 MAY BE SUBSTITUTED.
- ⑫ THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE REQUIREMENTS		
ROUTE	ROUTE 9237 (IL 111)	
SECTION	54,55RS-3	
COUNTY	ST. CLAIR	
CONTRACT	76H98	
DESCRIPTION:	HALF SMART BITUMINOUS TREATMENT (PREVENTATIVE MAINTENANCE) ALONG IL 111 FROM 0.1 MILE N OF ST. CLAIR AVE TO STATE ST IN WASHINGTON PARK	
ADT (Construction Yr)	5200	
MU%:	2	
SU%:	7.3	
20 YR. ESAL'S:	1.12	
MIXTURE USE	LEVEL BINDER	PATCHING
AC/PG	PG64-22	PG64-22
RAP % (MAX)	SEE SPECS.	SEE SPECS.
DESIGN AIR VOIDS	4.0% @ NDES=70	4.0% @ NDES=30
MIX COMPOSITION (GRADATION MIXTURE)	IL 9.5FG	IL 9.5L
FRICTION AGG	MIXTURE "C"	MIXTURE "C"
QUALITY MGMT PROGRAM	QC/QA	QC/QA

- (13) THE CROSSWALK PAVEMENT MARKINGS AT ST. CLAIR AVE WILL BE REMOVED AS PART OF THIS PROJECT.

FILE NAME =	USER NAME = BurrasdeEM	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION										INDEX OF SHEETS, HIGHWAY STANDARDS, COMMITMENTS AND GENERAL NOTES					F.A.U. RT#	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\ILR8\BIOINTG\allinois.gov\PWIDOT\060ments\DOT Offices\District B\Projects\07H98\Case\BAGsheets\07GH98-sht-cover		REVISOR -	REVISION -											R237	54,5RS-3	MADISON	14	2					
PLOT SCALE = 100.0000' / in	CHECKED -	REVISED -																CONTRACT NO. 76H98					
PLOT DATE = 10/14/2015	DATE	REVISED -																					
				SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.														

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES				CONSTR. CODE
				100% STATE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY
				0005 URBAN
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	10057	10057
40600637	LEVELING BINDER (MACHINE METHOD), 1L-9.5FG, N70	TON	762	762
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	247	247
42400800	DETECTABLE WARNINGS	SQ FT	16	16
44000152	HOT-MIX ASPHALT SURFACE REMOVAL, 3/4"	SQ YD	18148	18148
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	28	28
44000600	SIDEWALK REMOVAL	SQ FT	150	150
44200152	PAVEMENT PATCHING, TYPE I, 13 INCH	SQ YD	7	7
44200156	PAVEMENT PATCHING, TYPE II, 13 INCH	SQ YD	76	76
44200160	PAVEMENT PATCHING, TYPE III, 13 INCH	SQ YD	100	100
44200162	PAVEMENT PATCHING, TYPE IV, 13 INCH	SQ YD	534	534
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	28	28
67100100	MOBILIZATION	LSUM	1	1
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	LSUM	1	1

SUMMARY OF QUANTITIES				CONSTR. CODE
				100 % STATE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY
				0005
				URBAN
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	LSUM	1	1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	LSUM	1	1
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	LSUM	1	1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	4547	4547
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	348.2	348.2
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	20193	20193
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	426	426
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	547	547
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	301	301
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	758	758
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	348.2	348.2
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	20193	20193
78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	426	426
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	547	547
	* SPECIALTY ITEM			

[illegible]

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES				CONSTR. CODE
				100 % STATE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0005 URBAN
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	301	301
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	158	158
* 78200300	PRISMATIC CURB REFLECTOR	EACH	95	95
78300100	PAVEMENT MARKING REMOVAL	SO FT	43	43
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	253	253
* 80300100	LOCATING UNDERGROUND CABLE	FOOT	348	348
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	2112	2112
X0326216	BITUMINOUS SURFACE TREATMENT, (PREVENTIVE MAINTENANCE)	SO YD	18148	18148
X4405020	LONGITUDINAL PARTIAL DEPTH REMOVAL 2"	FOOT	2788	2788
X4420900	LONGITUDINAL PARTIAL DEPTH PATCHING	TON	69.4	69.4
X7810400	TEMPORARY RAISED PAVEMENT MARKER	EACH	158	158
0 Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	Hour	500	500
Z0036200	PAINT CURB	FOOT	288	288

* SPECIALTY ITEM
Ø 0042

FILE NAME =	USER NAME = BurnsideEM	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\ILB84EB\01\INTEG.allinois.gov\PIDOT\Documents\1007\Offices\District 8\Projects\0875\08750000\State\EA0\sheet\0875GH98-shr-cover		REVISOR -	REVISOR -						9237	54.55RS-3	ST. CLAIR	14	4
PLOT SCALE = 100.0000 / in.	CHECKED -	REVISED -	CONTRACT NO. 76H98										
PLOT DATE = 10/14/2015	DATE -	REVISED -											
SCALE:				SHEET OF SHEETS STA. TO STA.				ILLINOIS FED. AID PROJECT					

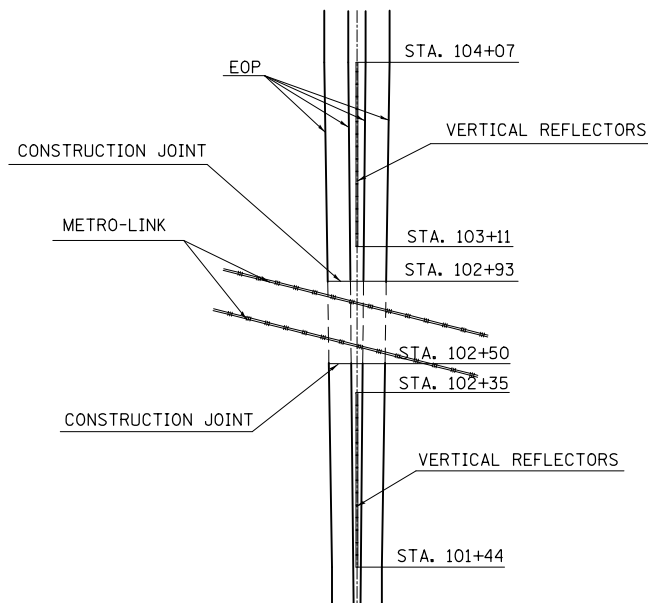
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px\\IL084EBIDINTEG.Illinois.gov\PIDOT\Documents\IDOT Offices\District 8\Projects\0876H98\Drawings\0876H98-1\0876H98-1.sht	PROJECT = 0876H98-1	DRAWN -	REVISIONS -						9237	54,55RS-3	ST. CLAIR	14	5
PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -	DATE = 10/14/2015		SCALE: SHEET NO. OF SHEETS STA. TO STA.				CONTRACT NO. 76H98				
									FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FILE NAME =	USER NAME = BurnsideEM	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pwt\NL084EBID\INTEG\Illinois.gov\PWIDOT\Documents\IDOT Offices\District 8\Projects\D876\DRAWING\DATA\GAD\Sheets\D876H98-sht-cover.dwg	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -						9237	54,55RS-3	ST. CLAIR	14	6
	PLOT DATE = 10/14/2015	DATE -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
					CONTRACT NO. 76H98								

PAVEMENT MARKING SCHEDULE														
LOCATION			THERMOPLASTIC AND TEMPORARY PAVEMENT MARKING							PAINT CURB (YELLOW)	PAVEMENT MARKING REMOVAL SQ FT	SHORT-TERM PAVE MARKING WHITE (2 LIFTS) FOOT	SHORT-TERM PAVE MARKING YELLOW (2 LIFTS) FOOT	WORKZONE PAVE MARKING REMOVAL (1 LIFT) SQ FT
			4" SOLID (WHITE) FOOT	4" SOLID (YELLOW) FOOT	4" SKIP DASH (WHITE) FOOT	8" SOLID (WHITE) FOOT	12" SOLID (WHITE) FOOT	24" SOLID (WHITE) FOOT	LETTERS/SYMBOLS (WHITE) SQ FT					
STA	TO	STA												
IL 111														
71+30	TO	75+52	974	1418			37	24	31.2			233	258	82
75+52	TO	87+50	2196	1335			40					169	243	69
87+50	TO	90+00	500	1000			64					38	182	37
90+00	TO	96+00	1075	1610			92	92	85.4			621	293	152
96+00	TO	100+50	900	1800			147	24	61.2			288	327	102
100+50	TO	102+50	300	300					61.2			145	55	33
102+93	TO	105+10	560	790			47	24				139	144	47
105+10	TO	109+75	815	945	52			24	31.2	108		221	172	65
109+75	TO	118+08	1760	1516	347	426	120	113	78.0	180	43	743	276	170
SUBTOTAL			9080	10714	399	426	547	301	348.2	288	43	2599	1948	758
TOTAL			20193			426	547	301	348.2	288	43	4547		758

RAISED REFLECTIVE PAVEMENT MARKERS								
LOCATION			ONE-WAY CRYSTAL	ONE-WAY AMBER	TWO-WAY AMBER	RRPM REMOVAL	PRISMATIC CURB REFLECTOR AMBER	TEMPORARY RAISED PAVEMENT MARKER
STA	TO	STA	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)	(EACH)
IL 111								
71+30	TO	75+52	4	14	4	22		22
75+52	TO	87+50			15	15		15
87+50	TO	90+00		14		14		14
90+00	TO	96+00	7	12	7	26		26
96+00	TO	100+50		24		24		24
100+50	TO	102+50			5	5		5
102+93	TO	105+10		5		5		5
105+10	TO	109+75	11	8		37	18	19
109+75	TO	118+08	29			106	77	29
SUBTOTAL			51	76	31	253	95	158
TOTAL			158			253	95	158

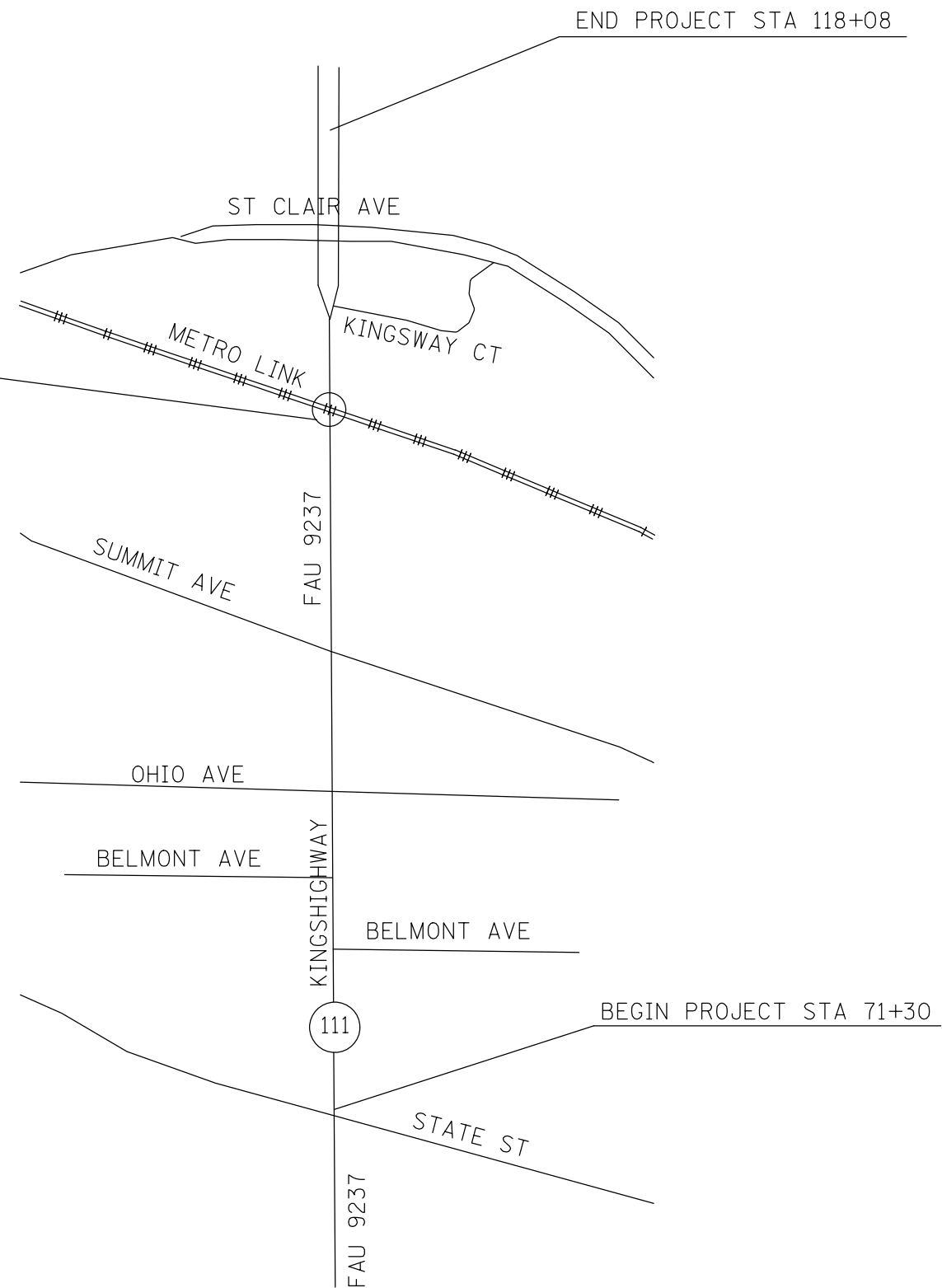
SIDEWALK SCHEDULE						
STATION	LOCATION	SIDEWALK REMOVAL	COMBINATION CURB & GUTTER REMOVAL	PORTLAND CEMENT CONCRETE SIDEWALK	DETECTABLE WARNINGS	COMB CONCRETE CURB & GUTTER TYPE B-6. 24
IL 111		(SQ FT)	(FOOT)	(SQ FT)	(SQ FT)	(SQ FT)
75+75	RIGHT	86	14	175	8	14
75+75	LEFT	64	14	72	8	14
TOTAL		150	28	247	16	28



DETAIL A
METRO-LINK OMISSION
STA 102+50 TO STA 102+93

NOTE:
OMISSION AT THE METRO-LINK CROSSING
FROM STA 102+50 TO STA 102+93 IS FROM THE
PAVEMENT JOINT ON THE SOUTH SIDE OF
THE RAILROAD TRACKS TO THE PAVEMENT
JOINT ON THE NORTH SIDE OF THE RAILROAD
TRACKS.
THERE ARE VERTICLE PANELS FOR THE METRO-
LINK CROSSING. THESE ARE NOT TO BE
DISTURBED DURING CONSTRUCION.

OMISSION STA 102+50
TO STA 102+93
(SEE DETAIL A)



NOT TO SCALE

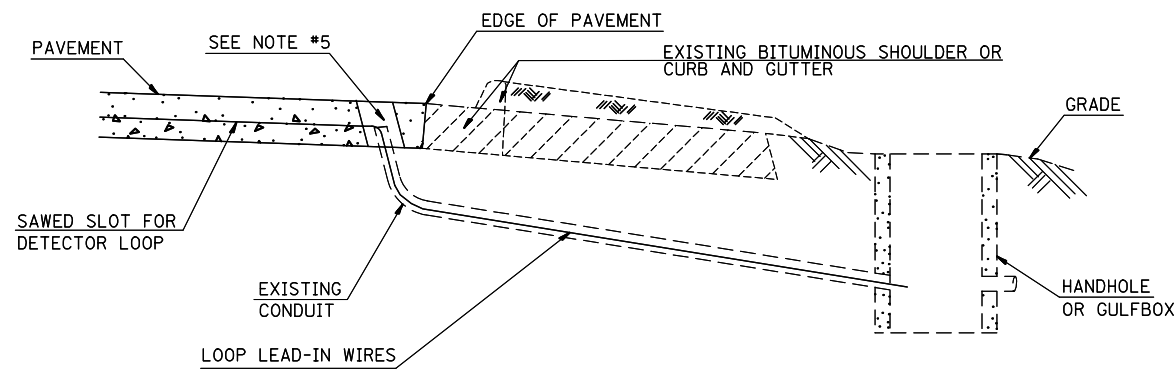
FILE NAME = p:\11\084EBID\INTEG\Illinois.gov\PWIDOT\Documents\IDOT Offices\District 8\Projects\0876H98\Drawings\084EBID\084EBID-01-01.dwg	USER NAME = BurnsidesEM	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION MAP				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -						9237	54,55RS-3	ST. CLAIR	14	9
	PLOT DATE = 10/14/2015	DATE -	REVISED -						CONTRACT NO. 76H98				

NOTES:

SEE TABLE "DETECTOR LOOP REQUIREMENTS AND CALCULATIONS"
FOR LOOP SIZE AND CALCULATED NUMBER OF TURNS.

SEE "DETAIL A" FOR INSTALLING DETECTOR LOOP WIRES
IN EXISTING CONDUITS.

SCHEDULE OF QUANTITIES			TOTAL QUANTITIES	IL 111 & SUMMIT AVE.	IL 111 & ST. CLAIR AVE.
CODE NO	ITEM	UNIT			
80300100	LOCATING UNDERGROUND CABLE	FOOT	348	167	18
88600600	DETECTOR LOOP REPLACEMENT	FOOT	2112	863	124



DETAIL A
(NO SCALE)

INSTALLING DETECTOR LOOP WIRES IN EXISTING CONDUIT

1. DRILL OUT PAVEMENT SEALANT AND CLEAN EXISTING CONDUIT.
2. REMOVE EXISTING DETECTOR LOOP WIRES TO HANDHOLE OR GULFBOX.
3. INSTALL NEW LOOP LEAD-IN WIRES IN EXISTING CONDUIT.
4. SPLICE NEW DETECTOR LOOP WIRES TO EXISTING LOOP LEAD-IN CABLE IN HANDHOLE OR GULFBOX.
5. FILL HOLE WITH APPROVED SEALER. PREVENT SEALER FROM ENTERING INTO CONDUIT.
6. LOCATING UNDERGROUND CABLE WILL BE PAID FOR SEPARATELY.

NOT A PAY ITEM. THE COST OF THIS WORK SHALL BE INCLUDED IN THE PAY ITEM "DETECTOR LOOP REPLACEMENT"

DETECTOR LOOP REPLACEMENT LEGEND

-  EX. HANDHOLE
 EX. DETECTOR LOOP
 EX. TRAFFIC SIGNAL CONTROLLER
 EXISTING CONDUIT
 PROPOSED DETECTOR LOOP

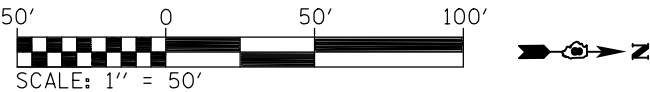
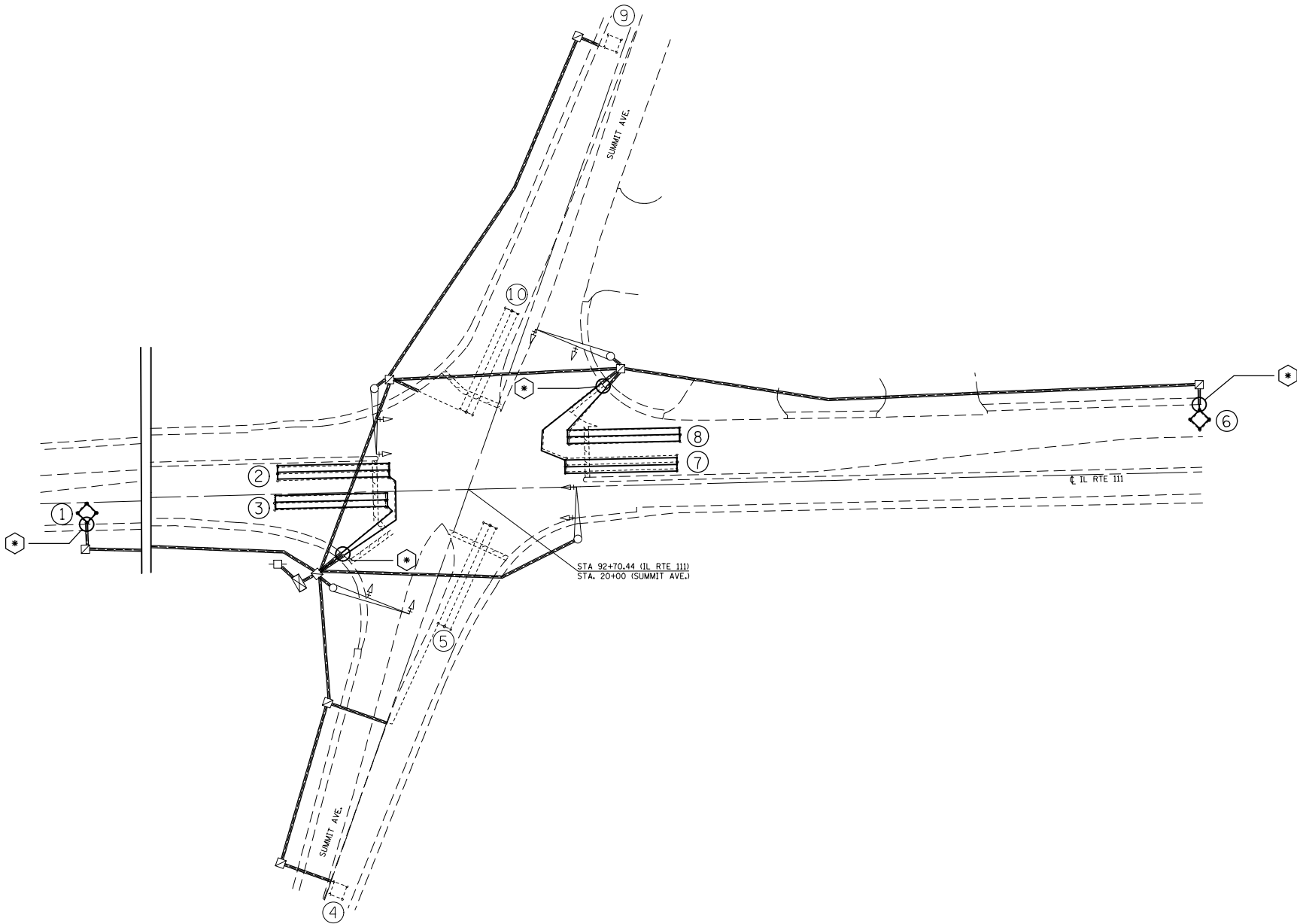
FILE NAME =	USER NAME = BurnsideEM	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN GENERAL NOTES, SCHEDULE OF QUANTITIES, DETAIL AND LEGEND				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pwt\NL084EBIDINTEGallinois.gov\PWIDOT Documents\DOT Offices\District 8\Projects\D876H98\DATA\BURN\DWG Data\EAD\sheets\D876H98-shr-tspl.dwg		BY DATE	REVISION		9237	54,55RS-3	ST. CLAIR	14	10				
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -	CONTRACT NO. 76H98										
PLOT DATE = 10/14/2015	DATE	REVISED -											
					SCALE:	SHEET NO. 1 OF 2 SHEETS	STA.	TO STA.		FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		

LOOP#	PHASE #	LOOP SIZE (FT. X FT.)	REQUIRED # OF TURNS	CALCULATED INDUCTANCE MICROHENRIES	CALCULATED RESISTANCE OHMS
1. NB CCO	6	6 x 6	6	303.1	1.5
2. NB LT CD	1	6 x 50(Q)	3-6-3	804.9	2.0
3. NB THRU CD	6	6 x 50(Q)	3-6-3	801.8	1.9
4. WB CCO	8	6 x 6	6	285.2	1.1
5. WB THRU CD	8	6 x 50(Q)	3-6-3	821.9	2.4
6. SB CCO	2	6 x 50(Q)	3-6-3	895.8	4.1
7. SB LT CD	5	6 x 6	6	318.5	1.8
8. SB THRU CD	2	6 x 50(Q)	3-6-3	843.4	2.9
9. EB CCO	4	6 x 6	6	323.1	1.9
10. EB THRU CD	1	6 x 50(Q)	3-6-3	819.4	2.4

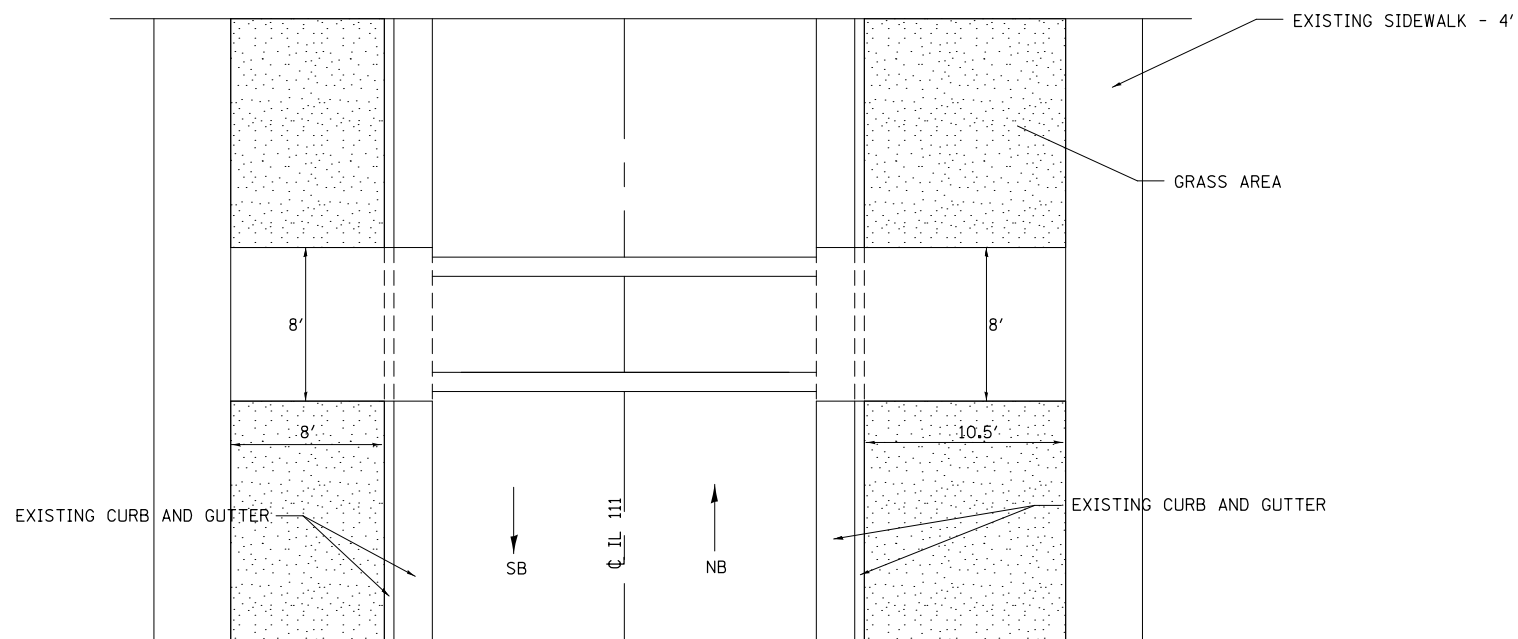
THE ABOVE VALUES ARE CALCULATED OF COMBINED LOOP AND LEAD-IN INDUCTANCE AND RESISTANCE. ACTUAL MEASURED VALUES SHOULD BE WITHIN +/- 20% OF THESE VALUES.

Q=QUADRAPOLE

=SEE DETAIL "A"

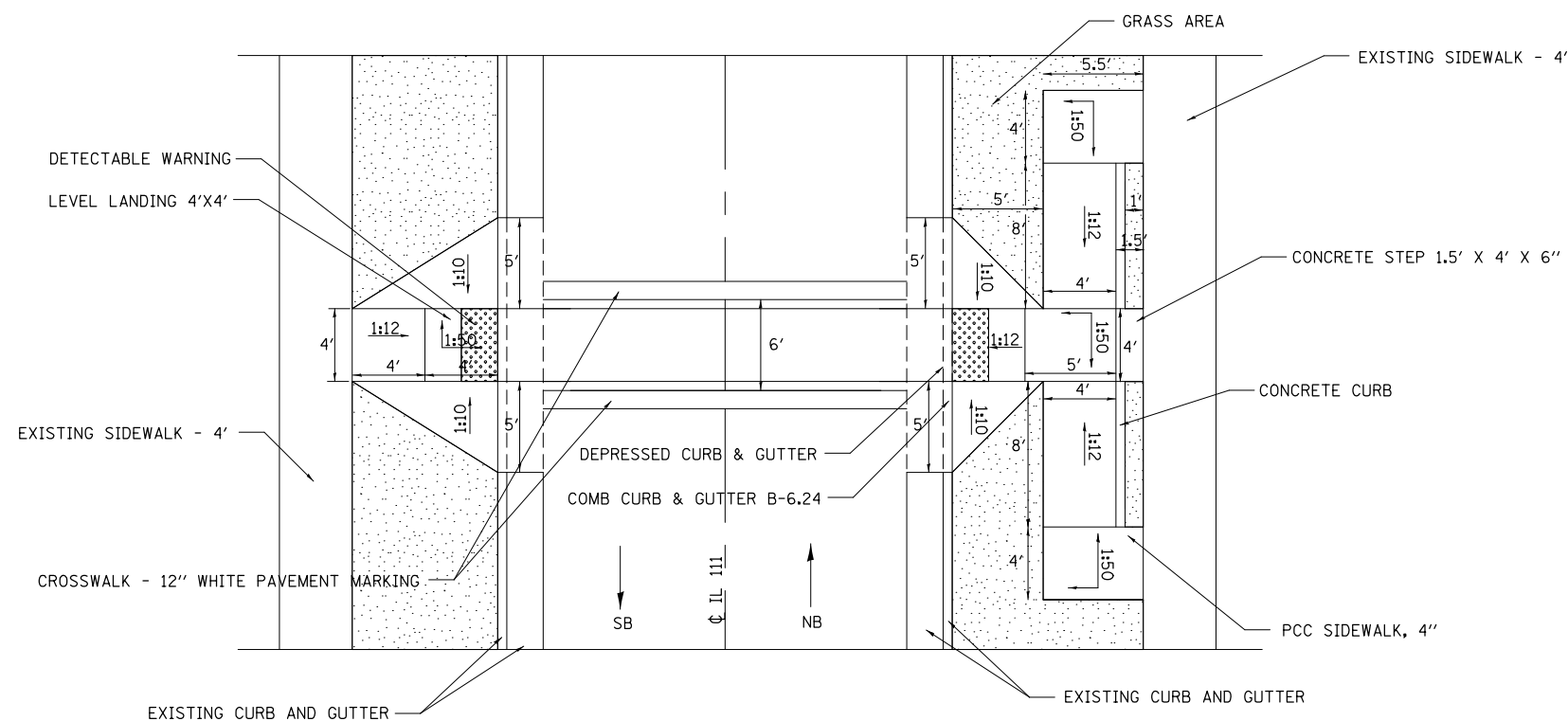


FILE NAME = p:\111\084EBID\INTEG\Illinois.gov\PWIDOT\Documents\IDOT Offices\District 8\Projects\D876H98\Drawings\6A0\6A0.sht	USER NAME = BurnsideEM	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN IL 111 & SUMMIT AVE.			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 64.5383 ' / in.	CHECKED -	REVISED -					9237	54,55RS-3	ST. CLAIR	14	11
	PLOT DATE = 10/14/2015	DATE -	REVISED -					CONTRACT NO. 76H98				
								FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
					SCALE:	SHEET NO. 2 OF 4 SHEETS	STA.	TO STA.				



GRASS AREA

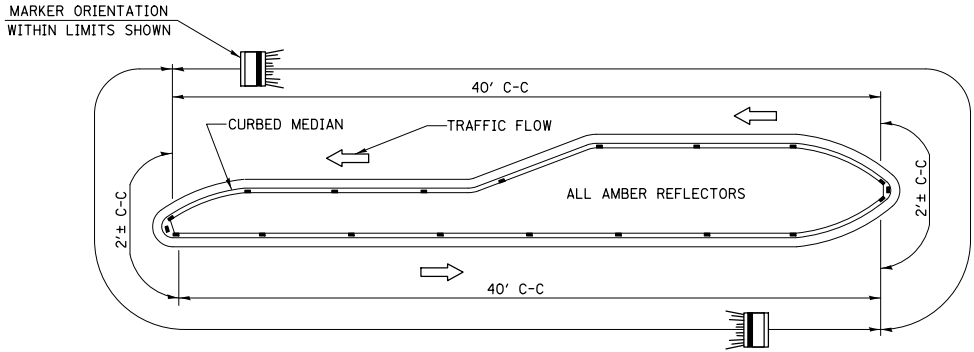
EXISTING CROSSWALK/ SIDEWALK STA 75+73



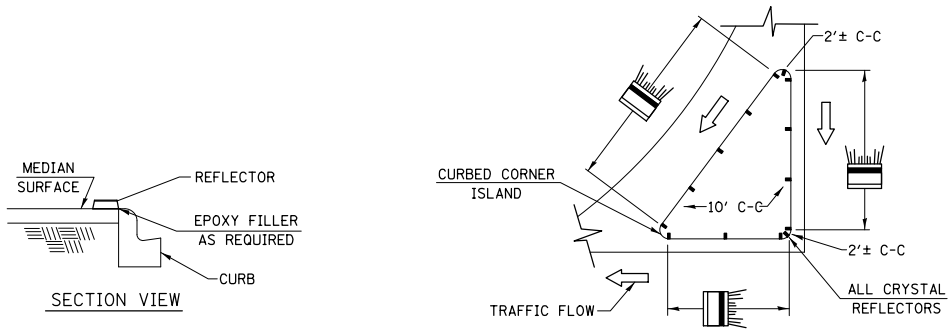
PROPOSED CROSSWALK/ SIDEWALK STA 75+73

SEE STANDARD 424001 & 606001

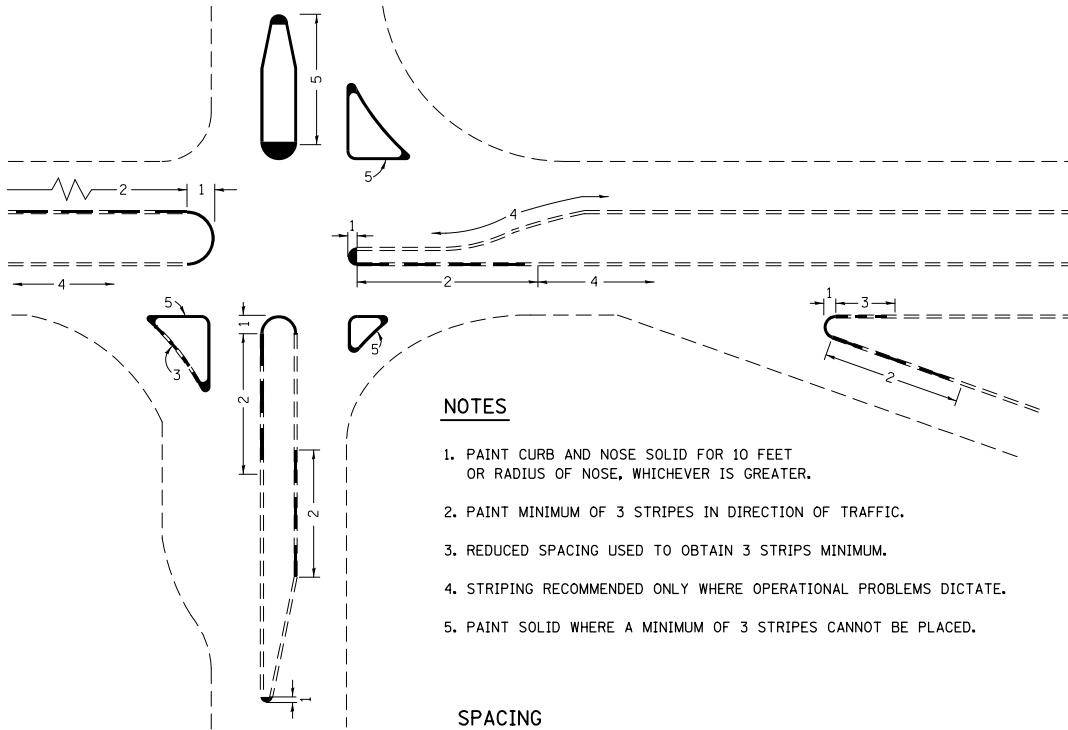
FILE NAME =	USER NAME = BurnsideEM	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pwt\NL084EBIDINTEGallinois.gov\PIDOT\Documents\IDOT Offices\District 8\Projects\D876H98\DATA\GAD\Sheets\D876H98-sht-cover	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			9237	54.55RS-3	ST. CLAIR	14	13
PLOT DATE = 10/14/2015	DATE -	REVISED -	REVISED -			CONTRACT NO. 76H98				
SCALE:				SHEET NO.	OF SHEETS	STA.	TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	



- NOTES**
1. PRISMATIC REFLECTORS SHALL BE MONO-DIRECTIONAL AND POSITIONED SO THAT THE REFLECTIVE FACE IS FACING THE APPROACHING TRAFFIC.
 2. PRISMATIC REFLECTORS SHALL BE SECURED IN PLACE WITH AN EPOXY ADHESIVE.
 3. PRISMATIC REFLECTORS SHALL BE EITHER AMBER OR CRYSTAL IN COLOR.



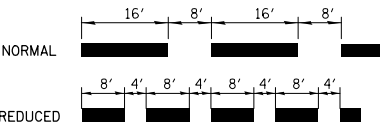
TYPICAL PLACEMENT OF PRISMATIC REFLECTORS ON CURBS
(NO SCALE)



NOTES

1. PAINT CURB AND NOSE SOLID FOR 10 FEET OR RADIUS OF NOSE, WHICHEVER IS GREATER.
2. PAINT MINIMUM OF 3 STRIPES IN DIRECTION OF TRAFFIC.
3. REDUCED SPACING USED TO OBTAIN 3 STRIPS MINIMUM.
4. STRIPING RECOMMENDED ONLY WHERE OPERATIONAL PROBLEMS DICTATE.
5. PAINT SOLID WHERE A MINIMUM OF 3 STRIPES CANNOT BE PLACED.

SPACING



CURB MARKING

FILE NAME =	USER NAME = BurnsideEM	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS				F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 10/14/2015	DATE -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		