

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
375	2016-044RS	COOK	52	1
		ILLINOIS	CONTRACT NO. 62D13	

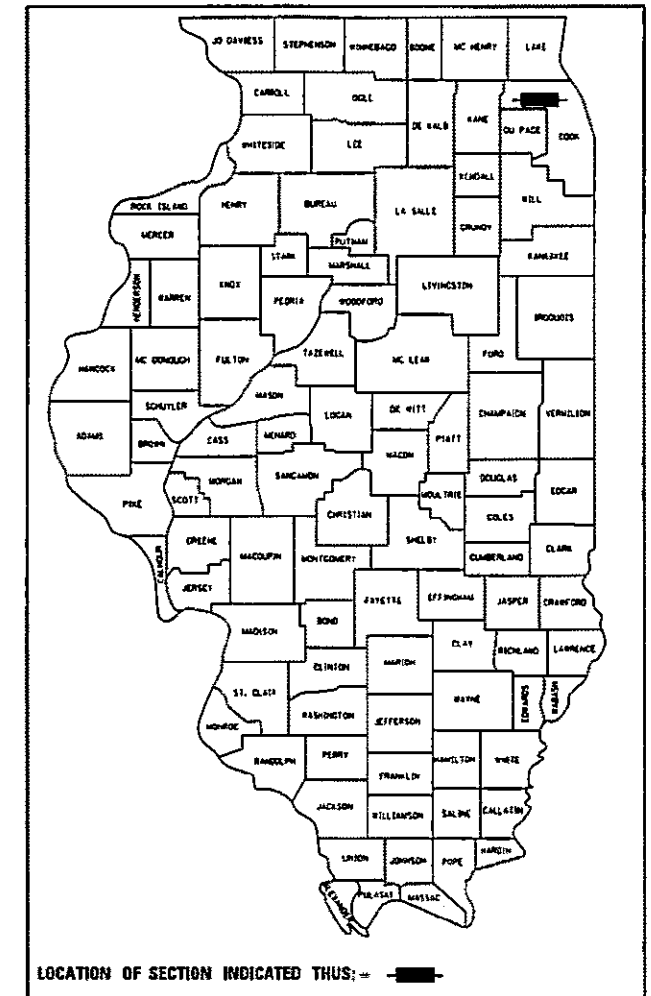
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 375: TOUHY AVENUE
VILLAGE CROSSING ENTRANCE TO IL 50 (CICERO AVENUE)
SECTION: 2016-044RS
PROJECT: NHPP - CONZ(370)
RESURFACING (3P) AND PEDESTRIAN RAMPS
COOK COUNTY

C-91-431-16

D-91-431-16



FOR INDEX OF SHEETS, SEE SHEET NO. 2

THIS PROJECT IS LOCATED IN THE VILLAGES OF NILES, SKOKIE AND LINCOLNWOOD

TRAFFIC DATA:

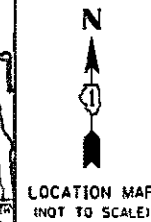
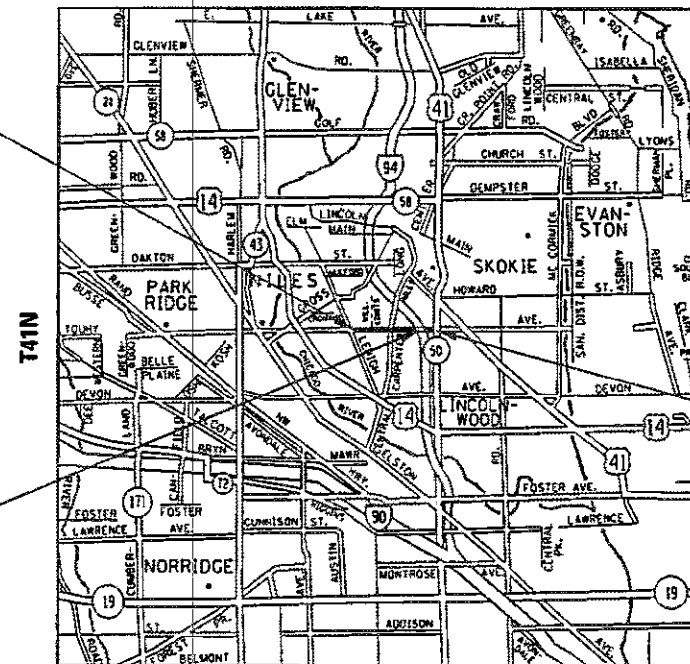
TOUHY AVE:

VILLAGE CROSSING ENTRANCE TO NILES-CENTER RD:
ADT (2014) = 39,000
SPEED LIMIT = 35 MPH

NILES-CENTER RD TO IL 50 (CICERO AVE):
ADT (2014) = 39,900
SPEED LIMIT = 35 MPH

PROJECT BEGINS
STA 8+08

OMISSION
STA 58+00
TO STA 61+90



PROJECT ENDS
STA 66+66

NILES TOWNSHIP

GROSS LENGTH = 5,858 FT. = 1.110 MILES
NET LENGTH = 5,468 FT. = 1.036 MILES



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
1-800-892-6123
OR 811

PROJECT ENGINEER: KARI SMITH (847) 705-4437
PROJECT MANAGER: FAWAD AQUEEL (847) 705-4247

CONTRACT NO. 62D13

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED January 30, 2018

Anthony J. Quigley REGIONAL ENGINEER
Mar 23, 2018

as ENGINEER OF DESIGN AND ENVIRONMENT
Mar 23, 2018

Paul J. [Signature]
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2-3	INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES
4-7	SUMMARY OF QUANTITIES
8-9	TYPICAL SECTIONS
10	SCHEDULE OF QUANTITIES
11-13	ROADWAY AND PAVEMENT MARKING PLANS
14-19	DETECTOR LOOP REPLACEMENT PLANS
20-36	PEDESTRIAN RAMP IMPROVEMENT PLANS
37	BD-01: DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB OR EDGE OF SHOULDER GREATER THAN OR EQUAL TO 15' (4.5 M)
38	BD-02: DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB IS LESS THAN 15' (4.5 M)
39	BD-08: DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING
40	BD-22: PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
41	BD-24: CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
42	BD-32: BUTT JOINT AND HMA TAPER DETAILS
43	TC-08: ENTRANCE AND EXIT RAMP CLOSURE DETAILS
44	TC-10: TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
45	TC-11: TYPICAL APPLICATIONS - RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
46	TC-13: DISTRICT ONE TYPICAL PAVEMENT MARKINGS
47	TC-14: TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
48	TC-16: PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
49	TC-17: TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES
50	TC-22: ARTERIAL ROAD INFORMATION SIGN
51	TS-05: DISTRICT ONE - STANDARD TRAFFIC SIGNAL DESIGN DETAILS (SHEET 2 OF 7)
52	TS-07: DISTRICT ONE - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING

STATE STANDARDS

STANDARD NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001-10	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-03	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-03	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424031-01	MEDIAN PEDESTRIAN CROSSINGS
442201-03	CLASS C AND D PATCHES
604001-04	FRAME AND LIDS, TYPE 1
604086-03	FRAME AND GRATE, TYPE 23
606001-07	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701427-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER. FOR SPEEDS ≤ 40 MPH
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701602-09	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-07	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS (STATE)
814001-03	HANDHOLES

GENERAL NOTES

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." (JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION) AT 800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOUR NOTIFICATION REQUIRED).
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT THE WRITTEN PERMISSION OF THE DEPARTMENT.
- THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGES OF NILES, SKOKIE, AND LINCOLNWOOD.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF ANY DETECTOR LOOPS DAMAGED DURING CONSTRUCTION.
- ANY PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKERS OBLITERATED BY MILLING AND RESURFACING OPERATIONS ON SIDE STREETS AND ENTRANCES SHALL BE REPLACED AND PAID FOR IN KIND.
- BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES (AND RAISED REFLECTIVE PAVEMENT MARKERS) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE RESIDENT ENGINEER.
- ALL PAVEMENT PATCHING, CURB AND GUTTER REMOVAL AND REPLACEMENT, AND DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER/TECHNICIAN.
- 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 THICKNESS OF THE HMA MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA MIXTURE IS PLACED.
- THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
- DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
- PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
- WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1/2 INCHES WHERE THE SPEED LIMIT IS 40 MPH OR LESS, AND 1 INCH. WHERE THE SPEED LIMIT IS OVER 40 MPH. WITH WRITTEN APPROVAL FROM THE RESIDENT ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM OF 1V:3H.
- BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- THE RESIDENT ENGINEER SHALL CONTACT CORY JUCIUS, ARTERIAL TRAFFIC FIELD ENGINEER VIA EMAIL AT CORY.JUCIUS@ILLINOIS.GOV A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- THE CONTRACTOR SHALL CONTACT DISTRICT ONE ARTERIAL TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 AND THE DISTRICT ONE EXPRESSWAY TRAFFIC CONTROL SUPERVISOR AT (847) 705-4155 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- FRAMES AND GRATES ADJUSTMENT OF PRIVATE UTILITIES WITHIN THE LIMITS OF THE IMPROVEMENTS SHALL BE DONE BY THEIR RESPECTIVE OWNERS AND ARE NOT PART OF THIS CONTRACT.
- EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS, UNLESS A SEPERATE PAY ITEM HAS BEEN PROVIDED.

SEE SHEET 3 FOR CONTINUATION

FILE NAME =	USER NAME = Valchikovv	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TOUHY AVE (VILLAGE CROSSING ENT TO IL 50/CICERO AVE) INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	Default	CHECKED -	REVISED -			375	2016-044RS	COOK	52	2	
		DATE -	REVISED -			SCALE: SHEET OF SHEETS STA. TO STA.		CONTRACT NO. 62D13			
								ILLINOIS FED. AID PROJECT			

GENERAL NOTES (CONTINUED)

19. ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OR RAISED REFLECTIVE PAVEMENT MARKERS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT NO ADDITIONAL COST TO THE DEPARTMENT.
20. WHEN EXISTING SIDEWALK IS TO BE REMOVED WITHOUT PROPOSED SIDEWALK REPLACEMENT, IT SHALL BE REPLACED WITH TOPSOIL AND SOD.
21. THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS THAT WILL NOT BE REMOVED INCLUDING PREVIOUSLY SEEDED AREAS. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S OWN EXPENSE TO THE SATISFACTION OF THE ENGINEER.
22. LANDSCAPED AREAS AFFECTED BY SIDEWALK CONSTRUCTION SHALL BE RESTORED WITH 18-INCH WIDE STRIP OF "SODDING, SALT TOLERANT" AND "TOPSOIL FURNISH AND PLACE, 4-INCH" INSTALLED FROM THE BACK OF THE SIDEWALK, OR AS DETERMINED BY THE RESIDENT ENGINEER/TECHNICIAN.
23. ANY LOOSE MATERIAL DEPOSITED IN THE FLOW LINE OF CURB OR DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER, SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPERATELY BUT SHALL BE CONSIDERED AS INCIDENTAL.
24. THE GENERAL CONTRACTOR IS REQUIRED TO HIRE AN ENVIRONMENT FIRM TO CONTINUOUSLY MONITOR FOR WORKER SAFETY AND SOIL CONTAMINATION AT SEVERAL LOCATIONS. SEE SPECIAL PROVISION AND SUPPLEMENTAL SPECIFICATIONS FOR DETAILS.
25. DOUBLE LANE MARKERS ARE TO BE USED AS SHOWN ON THE DISTRICT ONE DETAIL "TYPICAL APPLICATIONS - RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLow RESISTANT)" SHOWN IN THE PLANS.
26. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES DURING CONSTRUCTION.
27. CONTACT THE IDOT ROADSIDE DEVELOPMENT UNIT AT 847-705-4171 AT LEAST 2 WEEKS PRIOR TO BEGINNING FORESTRY WORK FOR LAYOUT.

FILE NAME =	USER NAME = Velchikovv	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TOUHY AVE (VILLAGE CROSSING ENT TO IL 50/CICERO AVE) INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
p:\N\1804EBID\INTEG\Illinois.gov\IDOT\Documents\IDOT Offices\District 1\Projects\DI43\BRAND\Design\DI43116-02-shl-gennote.dgn		CHECKED -	REVISED -			375	2016-044RS	COOK	52	3	
Default	PLOT SCALE = 100.0000' / 1" / 1" / 1"	DATE -	REVISED -			SCALE: SHEET OF SHEETS STA. TO STA.		CONTRACT NO. 62D13			
	PLOT DATE = 2/1/2018					[ILLINOIS] FED. AID PROJECT					

URBAN

URBAN

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005 80% FED 20% STATE			
20200100	EARTH EXCAVATION	CU YD	50	50			
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	301	301			
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	4	4			
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	4	4			
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	4	4			
25200110	SODDING, SALT TOLERANT	SO YD	331	331			
25200200	SUPPLEMENTAL WATERING	UNIT	16	16			
35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SO YD	10	10			
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SO YD	2	2			
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	30550	30550			
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	68	68			

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005 80% FED 20% STATE			
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	1860	1860			
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	428	428			
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	29	29			
42001300	PROTECTIVE COAT	SO YD	815	815			
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SO YD	3	3			
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SO YD	13	13			
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SO FT	5074	5074			
42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SO FT	38	38			
42400800	DETECTABLE WARNINGS	SO FT	441	441			
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SO YD	45260	45260			
44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	28	28			
44000600	SIDEWALK REMOVAL	SO FT	4706	4706			* = SPECIALTY ITEMS

FILE NAME =	USER NAME = Vellokav	DESIGNED -	REVISED -
OFFICE =	PROJECT =	CHECKED -	REVISED -
SCALE = 100,000' / 1"		DATE -	REVISED -
DATE = 2/1/2018			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
TOUHY AVE - VILLAGE CROSSING ENT TO ILL RTE 50 (CICERO AVE)			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
375	2016-044RS	COOK	52	4
CONTRACT NO. 62D13				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

15

12

LEV

URBAN

URBAN

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE	
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005 80% FED 20% STATE
44201785	CLASS D PATCHES, TYPE I, 12 INCH	SO YD	34	34
44201789	CLASS D PATCHES, TYPE II, 12 INCH	SO YD	287	287
44201794	CLASS D PATCHES, TYPE III, 12 INCH	SO YD	102	102
44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SO YD	490	490
44201823	CLASS D PATCHES, TYPE I, 15 INCH	SO YD	66	66
44201827	CLASS D PATCHES, TYPE II, 15 INCH	SO YD	574	574
44201831	CLASS D PATCHES, TYPE III, 15 INCH	SO YD	204	204
44201833	CLASS D PATCHES, TYPE IV, 15 INCH	SO YD	980	980
60250200	CATCH BASINS TO BE ADJUSTED	EACH	3	3
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	2	2
60255500	MANHOLES TO BE ADJUSTED	EACH	2	2
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	2	2
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	25	25
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	12	12
60404940	FRAMES AND GRATES, TYPE 23	EACH	4	4
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	24	24

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE	
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005 80% FED 20% STATE
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	41	41
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	50	50
* 66900450	SPECIAL WASTE PLANS AND REPORTS	LSUM	1	1
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	3	3
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	4	4
67100100	MOBILIZATION	LSUM	1	1
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	LSUM	1	1
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	LSUM	1	1
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	LSUM	1	1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	LSUM	1	1
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	LSUM	1	1
70200100	NIGHTTIME WORK ZONE LIGHTING	LSUM	1	1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	15210	15210

* = SPECIALTY ITEMS

13

16

FILE NAME =	USER NAME = Valtorow	DESIGNED -	REVISED -
path: \\D:\BIB\BIB\TEG\Illinois\gov\WIDOT\Documents\NDOT	GT\ass\US\str\c\NPro\res\04316\CA\Draw\Design\04316	OBRA\ND\dpn	REVISED -
	PLOT SCALE = 100,000' / 1"	CHECKED -	REVISED -
	PLOT DATE = 2/1/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES			
TOUHY AVE - VILLAGE CROSSING ENT TO ILL RTE 50 (CICERO AVE)		SCALE:	SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
375	2016-044RS	COOK	52	5
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

CONTRACT NO. 62D13

SUMMARY OF QUANTITIES					CONSTRUCTION TYPE CODE					SUMMARY OF QUANTITIES					CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	0005 80% FED 20% STATE						CODE NO	ITEM	UNIT	TOTAL QUANTITIES						
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	5070	5070						* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1020	1020					
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SO FT	1410	1410						* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	710	710					
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	17400	17400						* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	638	638					
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	7790	7790						78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	574	574					
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	1930	1930						* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	3	3					
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	1020	1020						* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	3344	3344					
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	710	710						* 89500400	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	EACH	15	15					
70300510	PAVEMENT MARKING TAPE, TYPE III - LETTERS AND SYMBOLS	SO FT	1420	1420						* 89502376	REBUILD EXISTING HANDHOLE	EACH	3	3					
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	3380	3380						* 89502378	REBUILD EXISTING HANDHOLE TO HEAVY-DUTY HANDHOLE	EACH	4	4					
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	1410	1410						X0320050	CONSTRUCTION LAYOUT (SPECIAL)	LSUM	1	1					
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	17400	17400						X0327611	REMOVE AND REINSTALL BRICK PAVER	SO FT	30	30					
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	7790	7790						X4060004	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, N80	TON	4417	4417					
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	1930	1930															

URBAN

URBAN

* = SPECIALTY ITEMS

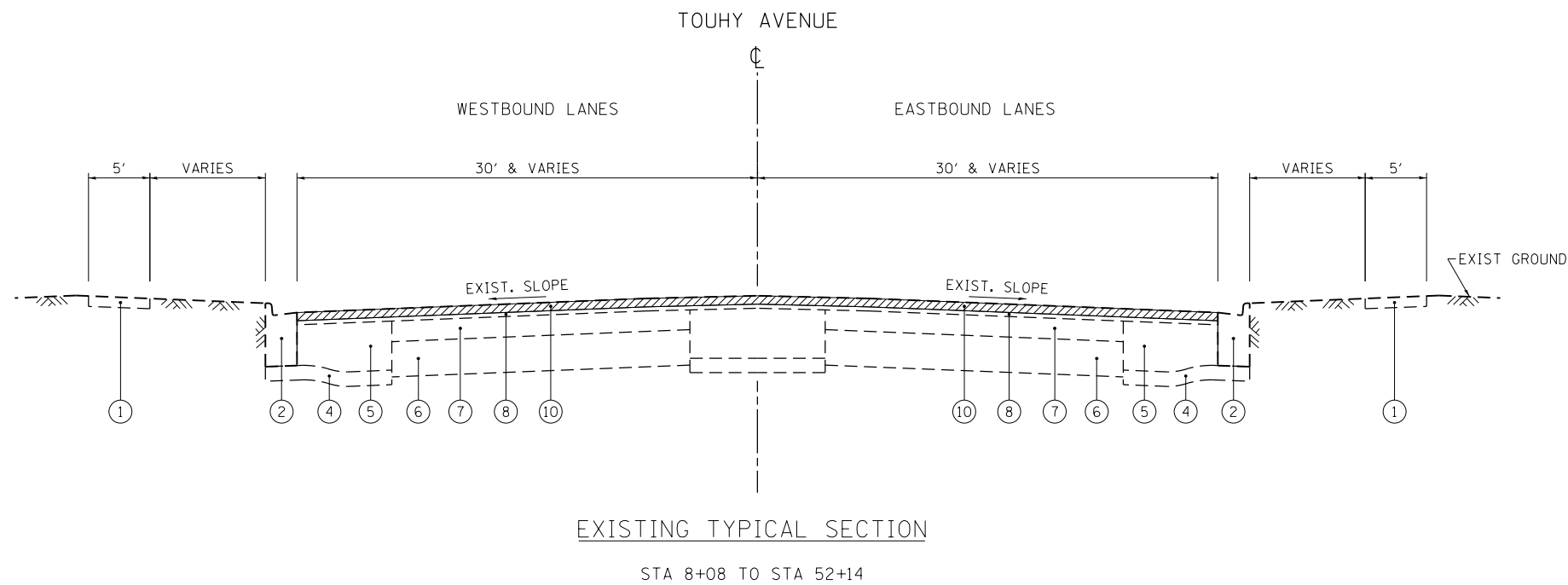
FILE NAME =	USER NAME = veltokov	DESIGNED -	REVISED -
pw\NLD\BIB\BID\EC\Illinois.gov\PI\DOT\Documents\ND\	OFFices\Director\Projects\DM3\B\CAD\Draw\Design\DM3\B\	CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
TOUHY AVE - VILLAGE CROSSING ENT TO ILL RTE 50 (CICERO AVE)

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
375	2016-044RS	COOK	52	6
CONTRACT NO. 62D13				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

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

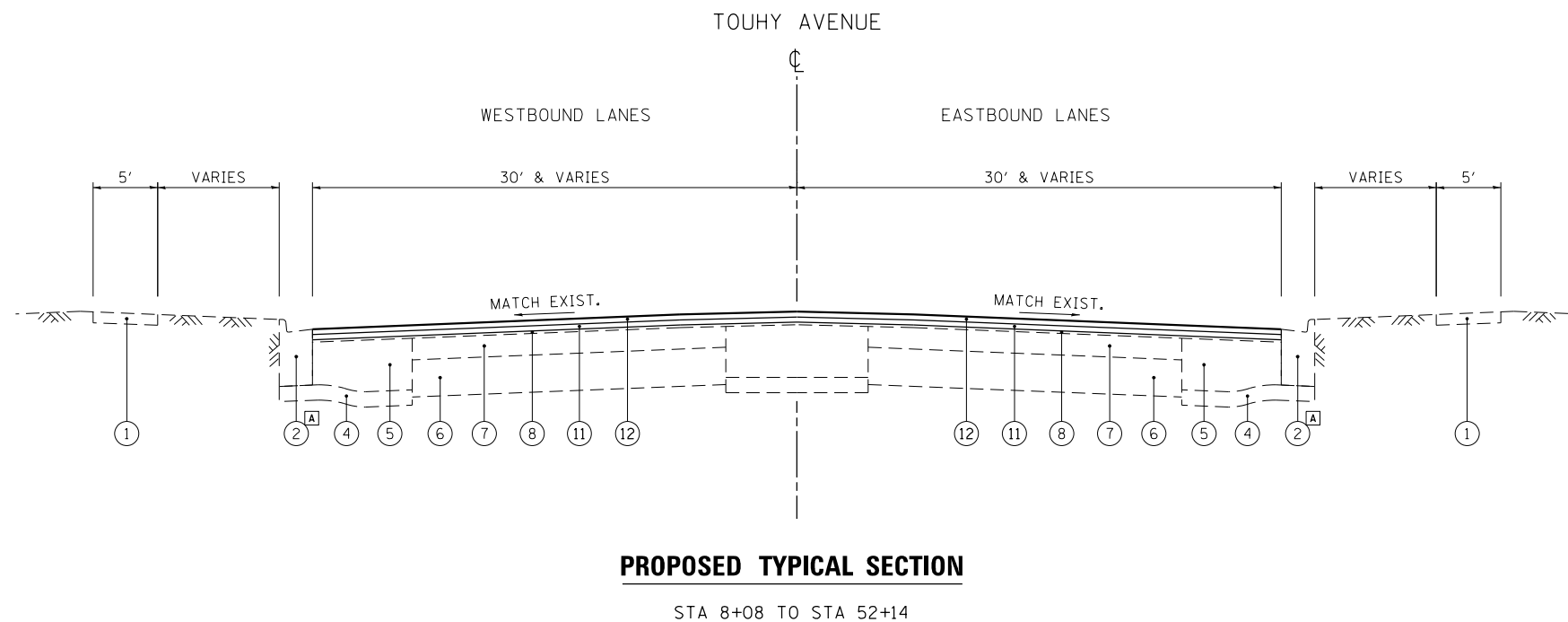


LEGEND

- ① EXISTING P.C.C. SIDEWALK
 - ② EXISTING COMBINATION CONC. C&G TYPE B-6.12 (MODIFIED)
 - ③ EXISTING COMBINATION CONC. C&G TYPE M-2.12
 - ④ EXISTING SUB-BASE GRANULAR MATERIAL TYPE B, 6"
 - ⑤ EXISTING HOT-MIX ASPHALT BASE COURSE, 1 3/4"
 - ⑥ EXISTING P.C.C. PAVEMENT, 9" AND VARIES
 - ⑦ EXISTING HOT-MIX ASPHALT, 3 1/2" AND VARIES
 - ⑧ EXISTING HOT-MIX ASPHALT SURFACE AFTER MILLING - 2" AND VARIES
 - ⑨ EXISTING MEDIAN
 - ⑩ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
 - ⑪ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
 - ⑫ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, N80, 1 3/4"
 - ⑬ EXISTING COMBINATION CONC. C&G TYPE B-6.24
- PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"

NOTES:

THE CONTRACTOR SHALL MILL FIRST BEFORE PATCHING



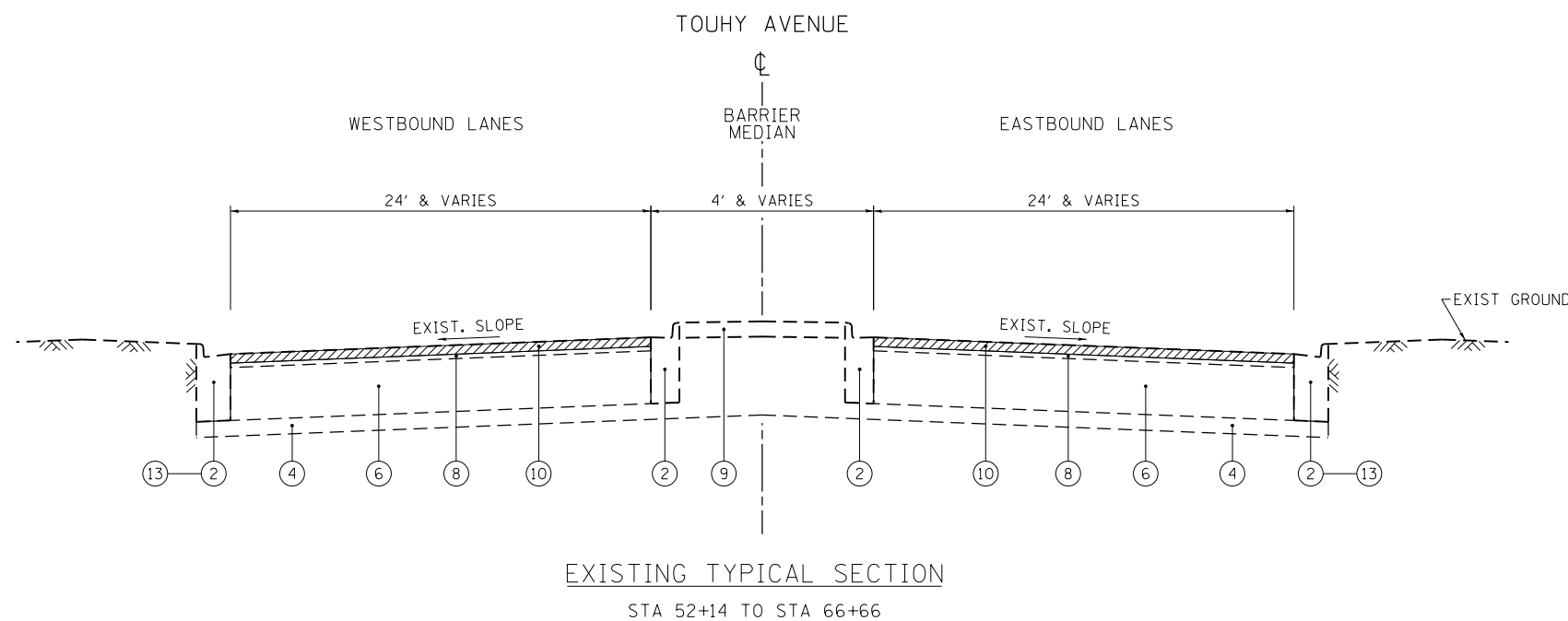
PROPOSED TYPICAL SECTION

STA 8+08 TO STA 52+14

[A] = COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT TO BE DETERMINED IN THE FIELD BY RESIDENT ENGINEER/RESIDENT TECHNICIAN.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE TYPE	AIR VOIDS @ Ndes	
PAVEMENT RESURFACING		
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, N80	3.5% AT 80 GYR.	QCP
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	3.5% AT 50 GYR.	QCP
HMA MEDIAN (MOUNTABLE)		
HMA SURFACE COURSE, MIX D, N 50 (IL 9.5 mm); 2 1/2"	4% AT 50 GYR.	QC/OA
DRIVEWAYS		
HMA SURFACE COURSE, MIX D, N 50 (IL 9.5 mm); 2"	4% AT 50 GYR.	QC/OA
HMA BASE COURSE (HMA BINDER IL-19 mm); PE - 6", CE - 8"	4% AT 50 GYR.	QC/OA
PATCHING		
CLASS D PATCHES (HMA BINDER IL-19 mm)	4% AT 70 GYR.	QC/OA
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE (QC/OA); QUALITY CONTROL FOR PERFORMANCE (QFP); PAY FOR PERFORMANCE (PFP)		

- NOTE 1: THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
- NOTE 2: THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.
- NOTE 3: QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE.



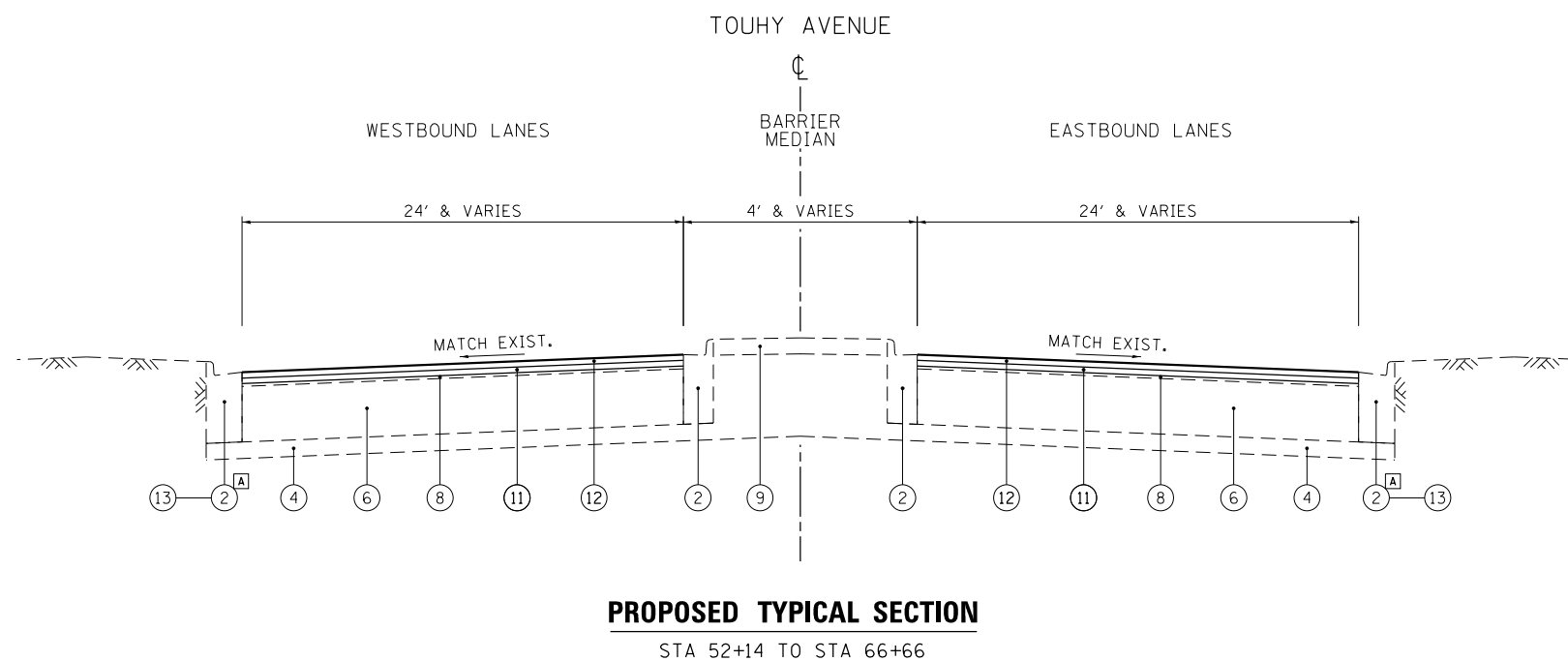
LEGEND

- ① EXISTING P.C.C. SIDEWALK
- ② EXISTING COMBINATION CONC. C&G TYPE B-6.12 (MODIFIED)
- ③ EXISTING COMBINATION CONC. C&G TYPE M-2.12
- ④ EXISTING SUB-BASE GRANULAR MATERIAL TYPE B, 6"
- ⑤ EXISTING HOT-MIX ASPHALT BASE COURSE, 11¾"
- ⑥ EXISTING P.C.C. PAVEMENT, 10" AND VARIES
- ⑦ NOT USED ON THIS CROSS SECTION
- ⑧ EXISTING HOT-MIX ASPHALT SURFACE AFTER MILLING - 1½" AND VARIES
- ⑨ EXISTING MEDIAN
- ⑩ PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2½"
- ⑪ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, ¾"
- ⑫ PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, N80, 1¾"
- ⑬ EXISTING COMBINATION CONC. C&G TYPE B-6.24

PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 2½"

NOTES:

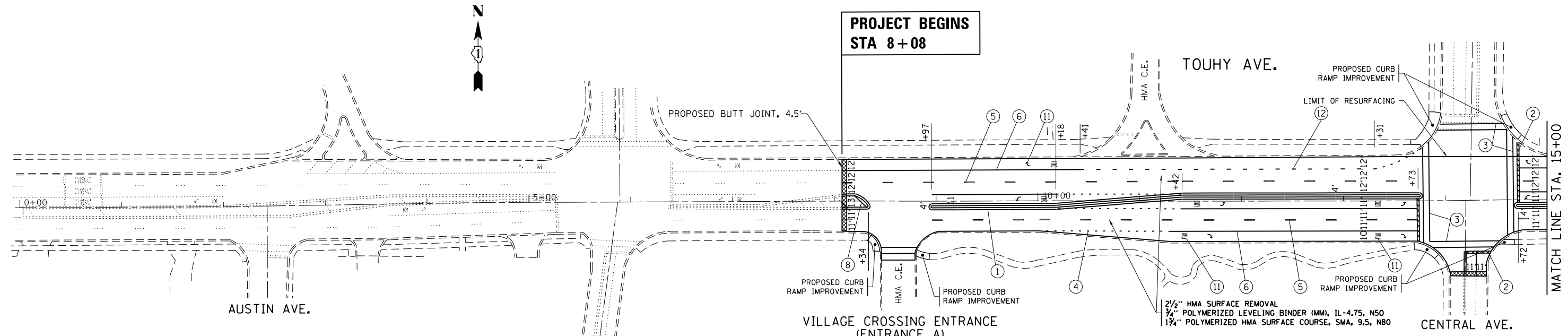
THE CONTRACTOR SHALL MILL FIRST BEFORE PATCHING



A = COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT TO BE DETERMINED IN THE FIELD BY RESIDENT ENGINEER/RESIDENT TECHNICIAN.

FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TOUHY AVE (VILLAGE CROSSING ENTRANCE TO IL 50 /CICERO AVE) TYPICAL SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN -								375			2016-044RS	COOK
PLOT SCALE = 100.0000' / in.					CHECKED -			CONTRACT NO. 62D13				
DATE -					REVISED -			ILLINOIS FED. AID PROJECT				
PLOT DATE = 2/1/2018				DATE -			SCALE:	SHEET	OF	SHEETS	STA.	TO STA.

LOCATION		20200100	21101615	25000400	25000500	25000600	25200110	25200200	42001300	42400200	42400300	42400800	44000600	60250200	60255500	60260100	85000200	89500400	89502376	X0327611	Z0004562
CROSS STREET	CORNER	EARTH EXCAVATION	TOPSOIL FURNISH AND PLACE, 4"	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	SODDING, SALT TOLERANT	SUPPLEMENTAL WATERING	PROTECTIVE COAT	PORTLAND CEMENT CONCRETE, SIDEWALK 5"	PORTLAND CEMENT CONCRETE, SIDEWALK 6"	DETECTABLE WARNINGS	SIDEWALK REMOVAL	CATCH BASINS TO BE ADJUSTED	MANHOLES TO BE ADJUSTED	INLETS TO BE ADJUSTED	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON	REBUILD EXISTING HANDHOLE	REMOVE AND REINSTALL BRICK PAVEMENT	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT
		CU YD	SO YD	POUND	POUND	POUND	SO YD	UNIT	SO YD	SO FT	SO FT	SO FT	SO FT	EACH	EACH	EACH	EACH	EACH	EACH	SO FT	FOOT
VILLAGE CROSSING ENTRANCE (ENTR A)	SW	1.4	2.9	0.1	0.1	0.1	3.2	0.2	18	145	0	12	130	0	0	0	0	0	0	0	12
VILLAGE CROSSING ENTRANCE (ENTR A)	SE	2.0	22.4	0.5	0.5	0.5	24.6	1.3	24	197	0	12	184	1	0	0	0	0	0	0	14
CENTRAL AVE	NW	6.1	12.3	0.3	0.3	0.3	13.5	0.7	74	607	0	22	585	0	0	0	0	0	0	30	38
CENTRAL AVE	SW	2.7	6.6	0.1	0.1	0.1	7.2	0.4	33	273	0	16	246	0	0	0	0	0	0	0	15
CENTRAL AVE	NE	3.0	9.2	0.2	0.2	0.2	10.2	0.5	37	300	0	27	285	1	0	0	0	0	0	0	19
CENTRAL AVE	SE	2.4	13.3	0.3	0.3	0.3	14.6	0.7	31	237	0	20	155	0	0	0	0	0	0	0	25
VILLAGE CROSSING ENTRANCE (ENTR B)	NW	2.0	11.3	0.2	0.2	0.2	12.5	0.6	24	204	0	10	185	0	0	0	0	0	0	0	9
VILLAGE CROSSING ENTRANCE (ENTR B)	SW	2.2	9.5	0.2	0.2	0.2	10.5	0.5	29	223	0	14	180	0	0	0	0	0	0	0	22
VILLAGE CROSSING ENTRANCE (ENTR B)	SE	1.9	9.3	0.2	0.2	0.2	10.2	0.5	23	187	0	15	130	0	0	0	0	0	0	0	13
CARPENTER RD / NILES CENTER RD	NW	2.4	11.3	0.2	0.2	0.2	12.5	0.6	30	235	0	20	212	1	0	0	0	0	0	0	22
CARPENTER RD / NILES CENTER RD	SW	3.3	22.7	0.5	0.5	0.5	24.9	1.3	42	326	0	29	413	0	0	0	0	0	0	1	34
CARPENTER RD / NILES CENTER RD	NE	2.1	6.8	0.1	0.1	0.1	7.5	0.4	29	205	0	33	192	0	0	0	0	0	0	0	33
CARPENTER RD / NILES CENTER RD	SE	1.6	0.0	0.0	0.0	0.0	0.0	0.0	23	158	0	33	141	0	0	0	0	0	0	0	33
LARAMIE AVE	NW	2.4	11.8	0.2	0.2	0.2	13.0	0.7	30	240	0	20	213	0	0	0	0	0	0	0	20
LARAMIE AVE	NE	1.8	8.5	0.2	0.2	0.2	9.4	0.5	23	178	0	26	163	0	0	0	0	0	0	0	19
LARAMIE AVE	SE	2.9	11.4	0.2	0.2	0.2	12.5	0.6	37	290	0	37	281	0	0	0	0	0	0	0	25
LECLAIRE AVE	NW	2.5	0.0	0.0	0.0	0.0	0.0	0.0	34	250	0	27	219	0	0	0	0	0	0	0	37
LECLAIRE AVE	SW	2.6	11.5	0.2	0.2	0.2	12.7	0.6	34	261	0	27	235	0	0	0	0	0	0	0	27
LECLAIRE AVE	NE	2.0	8.3	0.2	0.2	0.2	9.2	0.5	27	204	0	17	179	0	2	0	0	0	0	0	26
LECLAIRE AVE	SW	2.0	0.0	0.0	0.0	0.0	0.0	0.0	31	204	38	24	227	0	0	0	0	0	1	0	21
TOTAL =		50	189	4	4	4	208	11	633	4,924	38	441	4,555	3	2	1	3	15	4	30	464

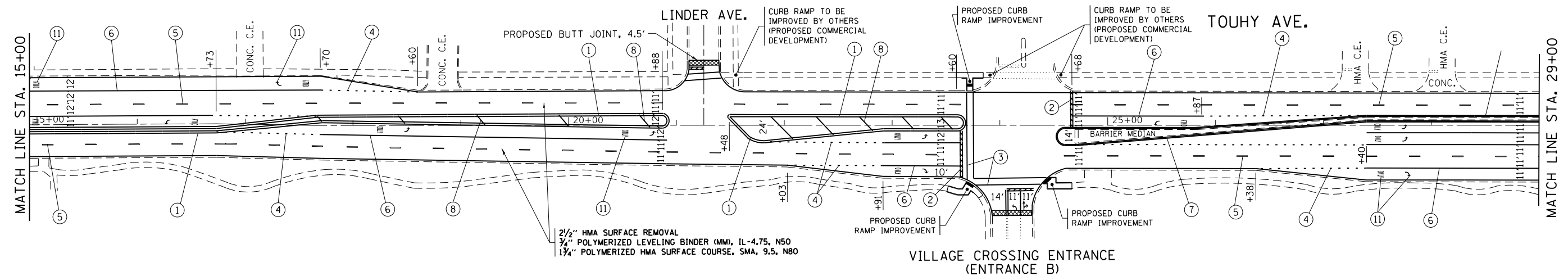


PROPOSED PAVEMENT MARKING LEGEND:

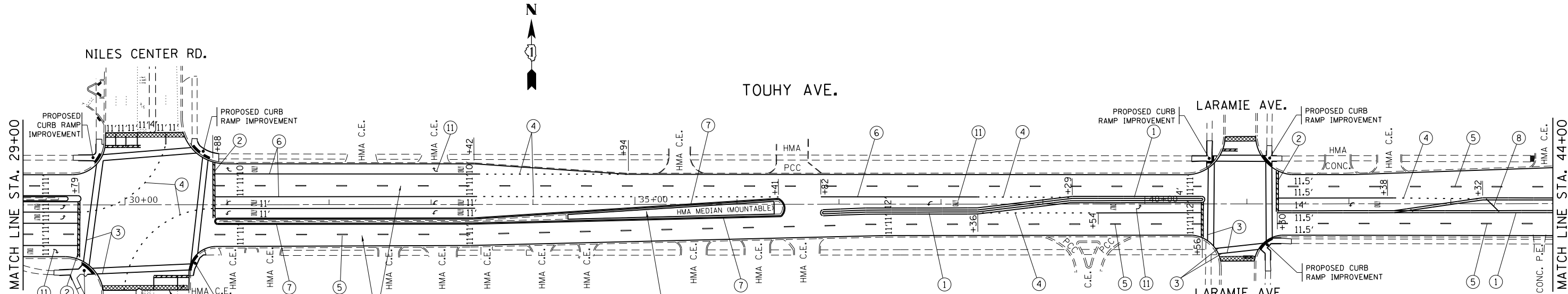
- ① CENTERLINE, 4" DOUBLE SOLID YELLOW, 11" C-C
- ② STOP BAR, 24" WHITE SOLID
- ③ CROSSWALK, 6" WHITE SOLID, 6' C-C
- ④ SKIP DASH, 6" WHITE SOLID, 2' DASH - 6' SKIP
- ⑤ SKIP DASH, 4" WHITE SOLID, 10' DASH - 30' SKIP
- ⑥ LANE LINE, 6" WHITE SOLID
- ⑦ MEDIAN EDGE LINE, 4" SOLID YELLOW
- ⑧ DIAGONALS, 12" SOLID YELLOW, 45°, SEE TC-13 FOR SPACING
- ⑨ GORE MARKING AND CHANNELIZING LINES, 8" WHITE SOLID
- ⑩ GORE MARKING AND CHANNELIZING LINES, 12" WHITE SOLID, 45° SEE TC-13 FOR DETAILS
- ⑪ LETTERS AND SYMBOLS, WHITE SOLID, SEE TC-13 FOR DETAILS
- ⑫ SKIP DASH, 6" WHITE SOLID, 3' DASH - 9' SKIP

NOTES:

- 1) LIMIT OF RESURFACING ON THE SIDE STREETS THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER/ TECHNICIAN.
- 2) ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE).
- 3) ALL FINAL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH TC-13 "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" STANDARD DETAIL.
- 4) ALL RAISED REFLECTIVE MARKERS SHALL BE PLACED IN ACCORDANCE WITH TC-11 "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT)" STANDARD DETAIL.



FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TOUHY AVE (VILLAGE CROSSING ENTRANCE TO IL 50 / CICERO AVE) ROADWAY AND PAVEMENT MARKING PLAN	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pwz\VL084EBIDINTEG.illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\D143116\CADDData\Desig\DRAWN 6-06-sht-plan.dgn		CHECKED -	REVISED -			375	2016-044RS	COOK	52	11	
PLOT SCALE = 100,0000' / in.		DATE -	REVISED -			CONTRACT NO. 62D13					
Default						ILLINOIS FED. AID PROJECT					



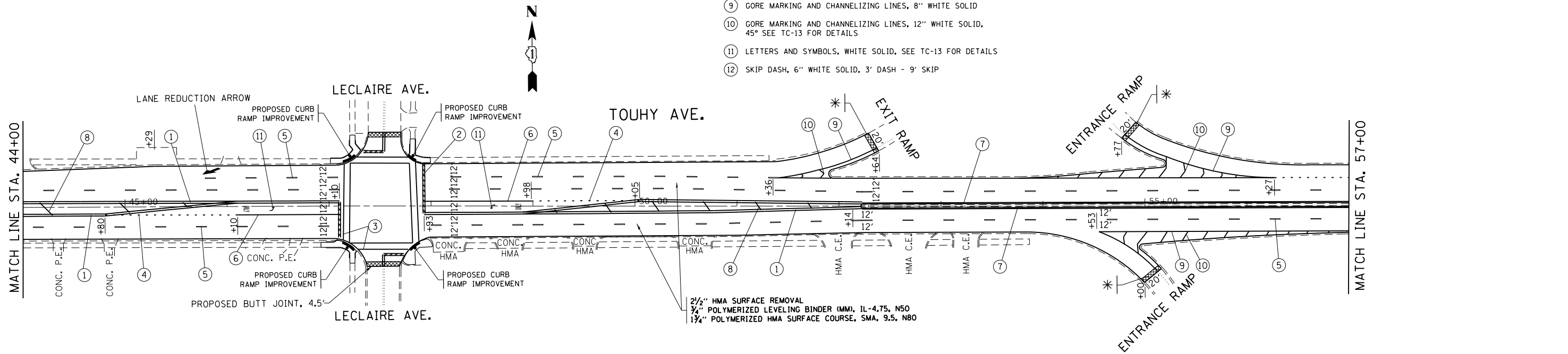
EX HMA MEDIAN TO BE MILLED AND RESURFACED, PAID AS:
 2 1/2" HMA SURFACE REMOVAL
 2 1/2" HMA SURFACE COURSE, MIX "D", N50

PROPOSED PAVEMENT MARKING LEGEND:

- ① CENTERLINE, 4" DOUBLE SOLID YELLOW, 11" C-C
- ② STOP BAR, 24" WHITE SOLID
- ③ CROSSWALK, 6" WHITE SOLID, 6' C-C
- ④ SKIP DASH, 6" WHITE SOLID, 2' DASH - 6' SKIP
- ⑤ SKIP DASH, 4" WHITE SOLID, 10' DASH - 30' SKIP
- ⑥ LANE LINE, 6" WHITE SOLID
- ⑦ MEDIAN EDGE LINE, 4" SOLID YELLOW
- ⑧ DIAGONALS, 12" SOLID YELLOW, 45°, SEE TC-13 FOR SPACING
- ⑨ GORE MARKING AND CHANNELIZING LINES, 8" WHITE SOLID
- ⑩ GORE MARKING AND CHANNELIZING LINES, 12" WHITE SOLID, 45° SEE TC-13 FOR DETAILS
- ⑪ LETTERS AND SYMBOLS, WHITE SOLID, SEE TC-13 FOR DETAILS
- ⑫ SKIP DASH, 6" WHITE SOLID, 3' DASH - 9' SKIP

NOTES:

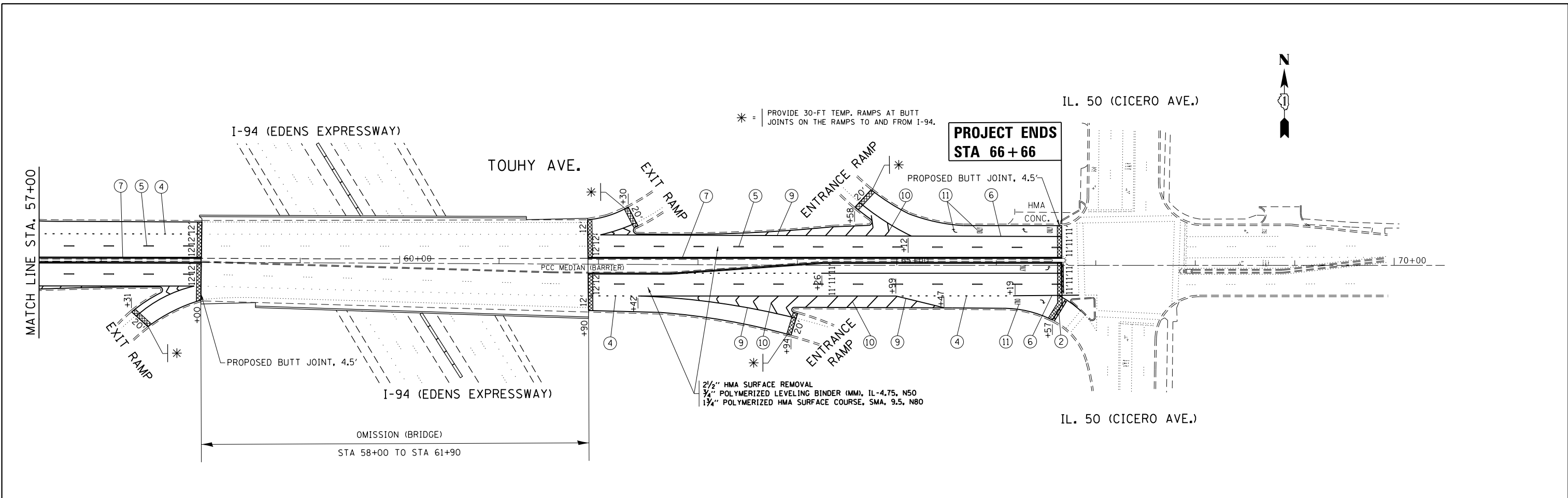
- 1) LIMIT OF RESURFACING ON THE SIDE STREETS THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER/ TECHNICIAN.
- 2) ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE).
- 3) ALL FINAL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH TC-13 "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" STANDARD DETAIL.
- 4) ALL RAISED REFLECTIVE MARKERS SHALL BE PLACED IN ACCORDANCE WITH TC-11 "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT)" STANDARD DETAIL.



2 1/2" HMA SURFACE REMOVAL
 3/4" POLYMERIZED LEVELING BINDER (MM), IL-4.75, N50
 1 3/4" POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, N80

* = PROVIDE 30-FT TEMP. RAMPS AT BUTT JOINTS ON THE RAMPS TO AND FROM I-94.

FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TOUHY AVE (VILLAGE CROSSING ENTRANCE TO IL 50 / CICERO AVE) ROADWAY AND PAVEMENT MARKING PLAN	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pwz\VL084EBIDINTEG.illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\D143116\CADDData\Design\DRAWN 6-06-sht-plan.dgn	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			375	2016-044RS	COOK	52	12	
Default	PLOT DATE = 2/1/2018	DATE -	REVISED -			CONTRACT NO. 62D13					
						ILLINOIS FED. AID PROJECT					



PROPOSED PAVEMENT MARKING LEGEND:

- ① CENTERLINE, 4" DOUBLE SOLID YELLOW, 11" C-C
- ② STOP BAR, 24" WHITE SOLID
- ③ CROSSWALK, 6" WHITE SOLID, 6' C-C
- ④ SKIP DASH, 6" WHITE SOLID, 2' DASH - 6' SKIP
- ⑤ SKIP DASH, 4" WHITE SOLID, 10' DASH - 30' SKIP
- ⑥ LANE LINE, 6" WHITE SOLID
- ⑦ MEDIAN EDGE LINE, 4" SOLID YELLOW
- ⑧ DIAGONALS, 12" SOLID YELLOW, 45°, SEE TC-13 FOR SPACING
- ⑨ GORE MARKING AND CHANNELIZING LINES, 8" WHITE SOLID
- ⑩ GORE MARKING AND CHANNELIZING LINES, 12" WHITE SOLID, 45° SEE TC-13 FOR DETAILS
- ⑪ LETTERS AND SYMBOLS, WHITE SOLID, SEE TC-13 FOR DETAILS
- ⑫ SKIP DASH, 6" WHITE SOLID, 3' DASH - 9' SKIP

NOTES:

- 1) LIMIT OF RESURFACING ON THE SIDE STREETS THROUGHOUT THE PROJECT SHALL BE TO THE RADIUS RETURN, UNLESS OTHERWISE SHOWN ON THE PLANS OR AS DIRECTED BY THE RESIDENT ENGINEER/ TECHNICIAN.
- 2) ALL FINAL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC PAVEMENT MARKINGS (OF THE EXTRUDED TYPE).
- 3) ALL FINAL PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH TC-13 "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" STANDARD DETAIL.
- 4) ALL RAISED REFLECTIVE MARKERS SHALL BE PLACED IN ACCORDANCE WITH TC-11 "TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT)" STANDARD DETAIL.

FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED -
pwz\l084EBIDINTEG.illinois.gov:PWIDOT\Documents\IDOT Offices\District 1\Projects\D143116\CADDData\Design\DRAWN 6-06-sht-plan.dgn		REVISOR -	REVISOR -
	PLOT SCALE = 100,0000' / in.	CHECKED -	REVISOR -
Default	PLOT DATE = 2/1/2018	DATE -	REVISOR -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TOUHY AVE (VILLAGE CROSSING ENTRANCE TO IL 50 / CICERO AVE)
ROADWAY AND PAVEMENT MARKING PLAN**

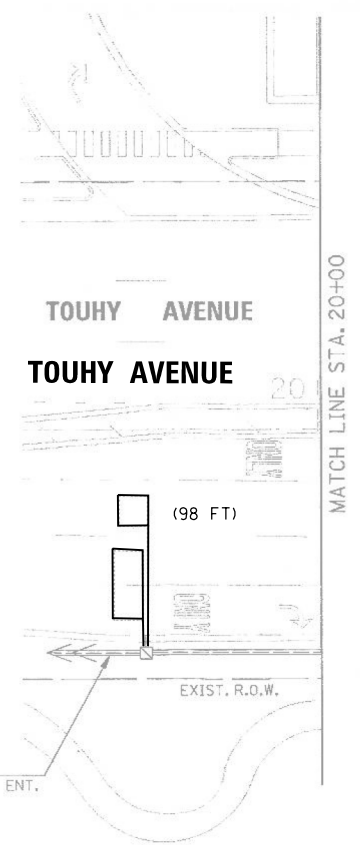
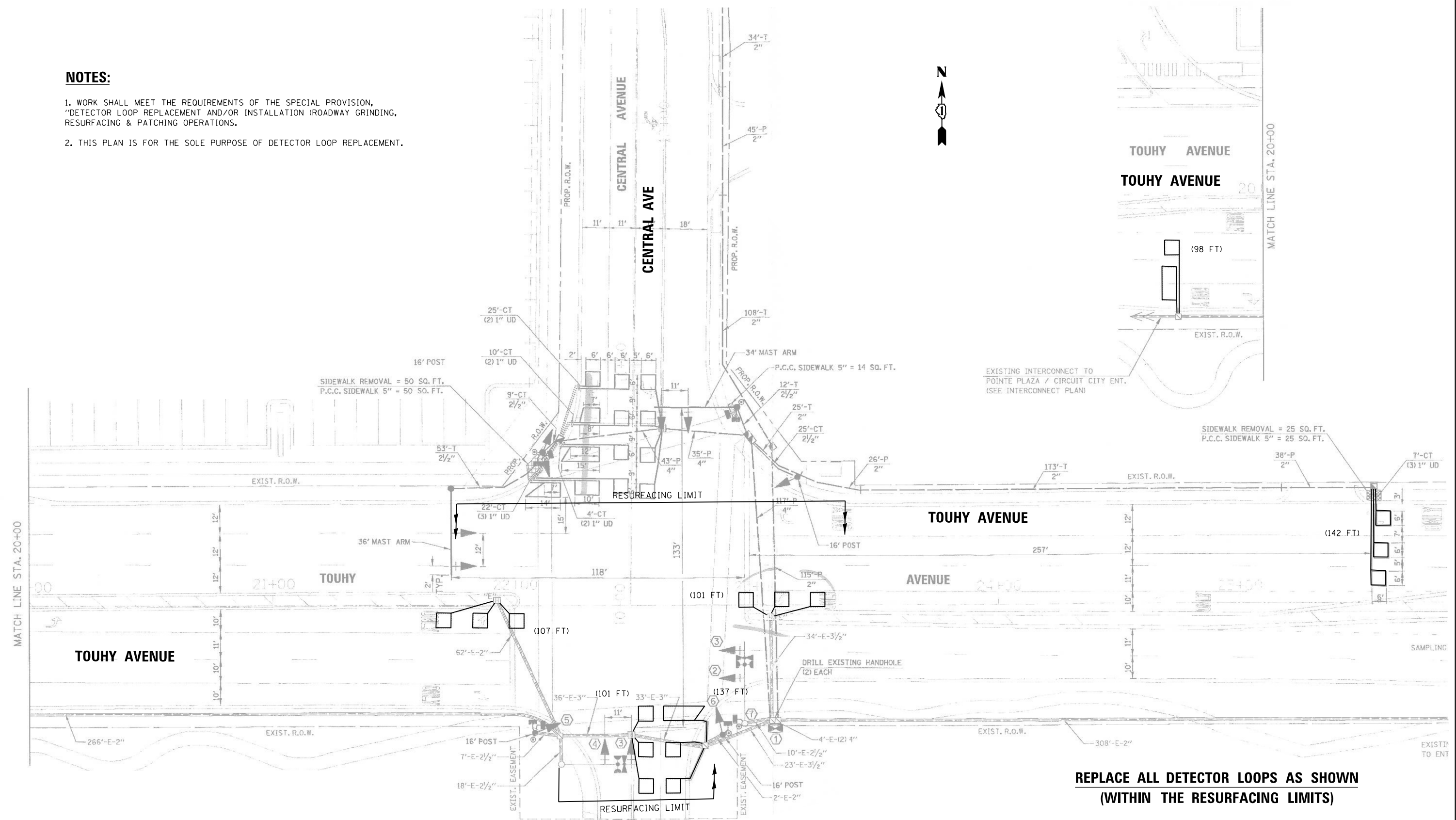
SCALE: 1"=50'

SHEET OF SHEETS STA. 57+00 TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
375	2016-044RS	COOK	52	13
CONTRACT NO. 62D13				
ILLINOIS FED. AID PROJECT				

NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.



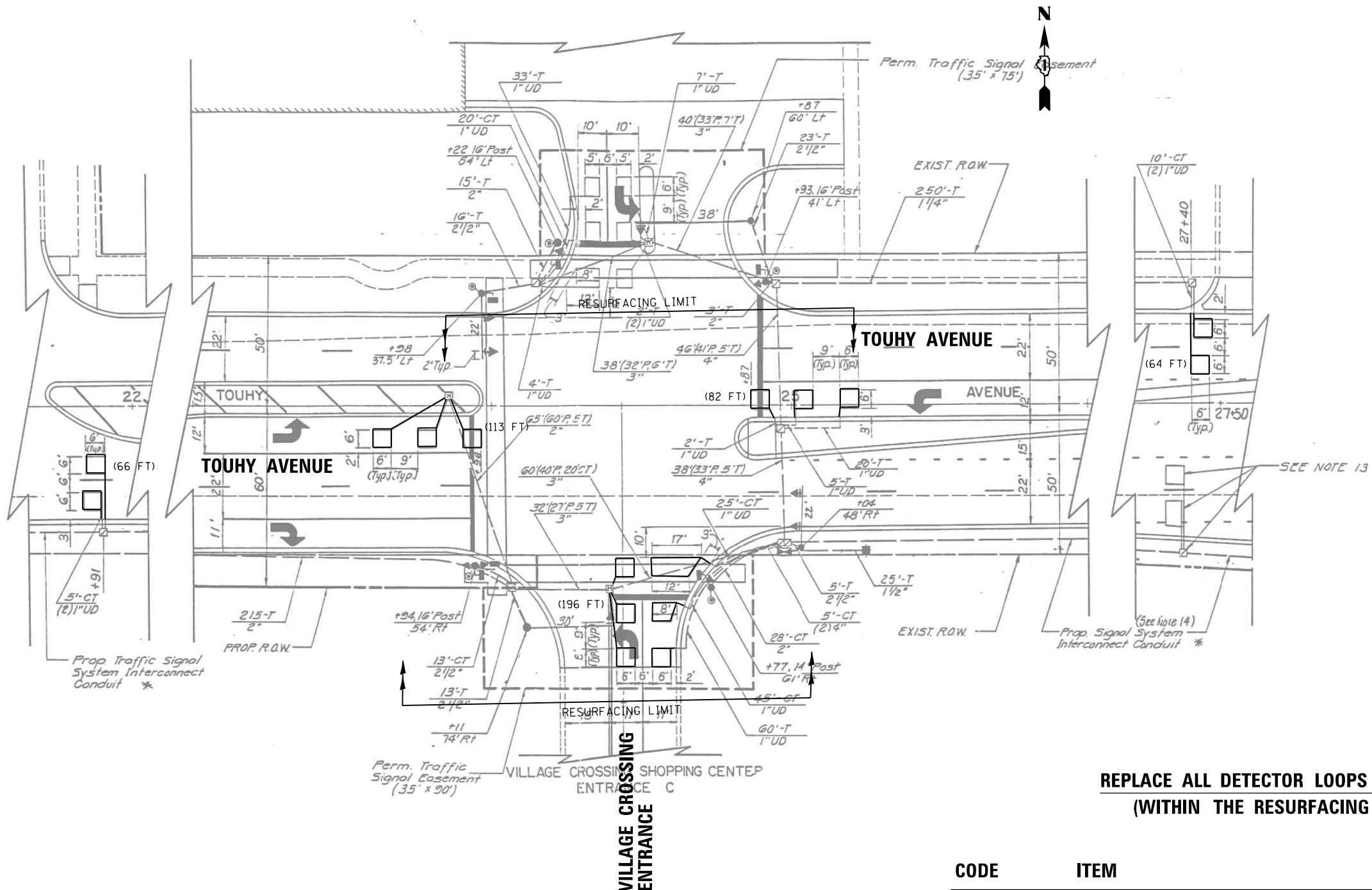
**REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)**

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	686	FOOT

FILE NAME = TS 11250 TOUHY AVE & CENTRAL AVE.06272017.dgn	USER NAME = SNOWBA	DESIGNED - BAS	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN TOUHY AVENUE AT CENTRAL AVE	F.A.P. RTE. = 375	SECTION = 2016-044RS	COUNTY = COOK	TOTAL SHEETS = 52	SHEET NO. = 14	
PLOT SCALE = 3/8" = 1' - 0"	CHECKED - LP	DATE - 06/27/2017	REVISED -			CONTRACT NO. 62D13					
PLOT DATE = 6/27/2017						ILLINOIS FED. AID PROJECT					
Default						SCALE:	SHEET	OF	SHEETS	STA.	TO

NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.



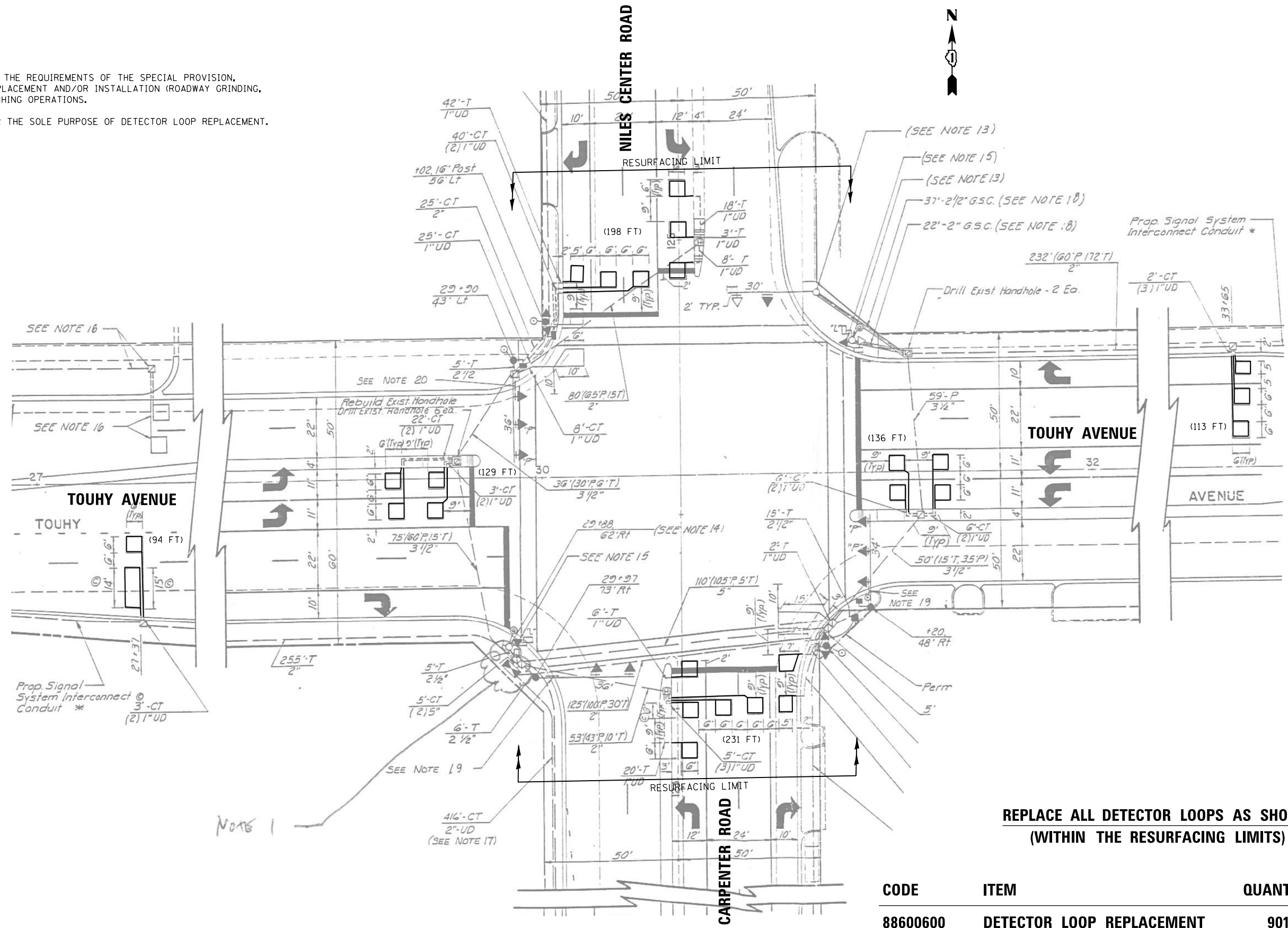
**REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)**

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	521	FOOT

FILE NAME = TS 20935 TOUHY AVE & VILLAGE CROSSING	USER NAME = SNOWBA	DESIGNED - ZGJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN TOUHY AVENUE AT VILLAGE CROSSING ENTRANCE	F.A.P. RTE. = 375	SECTION = 2016-044RS	COUNTY = COOK	TOTAL SHEETS = 52	SHEET NO. = 15	
Default	ENTRANCE_02222017.dgn	DRAWN - ZGJ	REVISED -			SCALE:	SHEET OF SHEETS	STA. TO STA.	CONTRACT NO. 62D13		
	PLOT SCALE = 39.9994' / in.	CHECKED - LP	REVISED -						ILLINOIS FED. AID PROJECT		
	PLOT DATE = 6/27/2017	DATE - 02/22/2017	REVISED -								

NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.



CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	901	FOOT

FILE NAME = TS 14835 TOUHY AVE & NILES CENTER ROAD	USER NAME = SNOWBA	DESIGNED - ZGJ	REVISED -
	02222017.dgn	DRAWN - ZGJ	REVISED -
	PLOT SCALE = 39.9992' / in.	CHECKED - LP	REVISED -
Default	PLOT DATE = 6/27/2017	DATE - 02/22/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

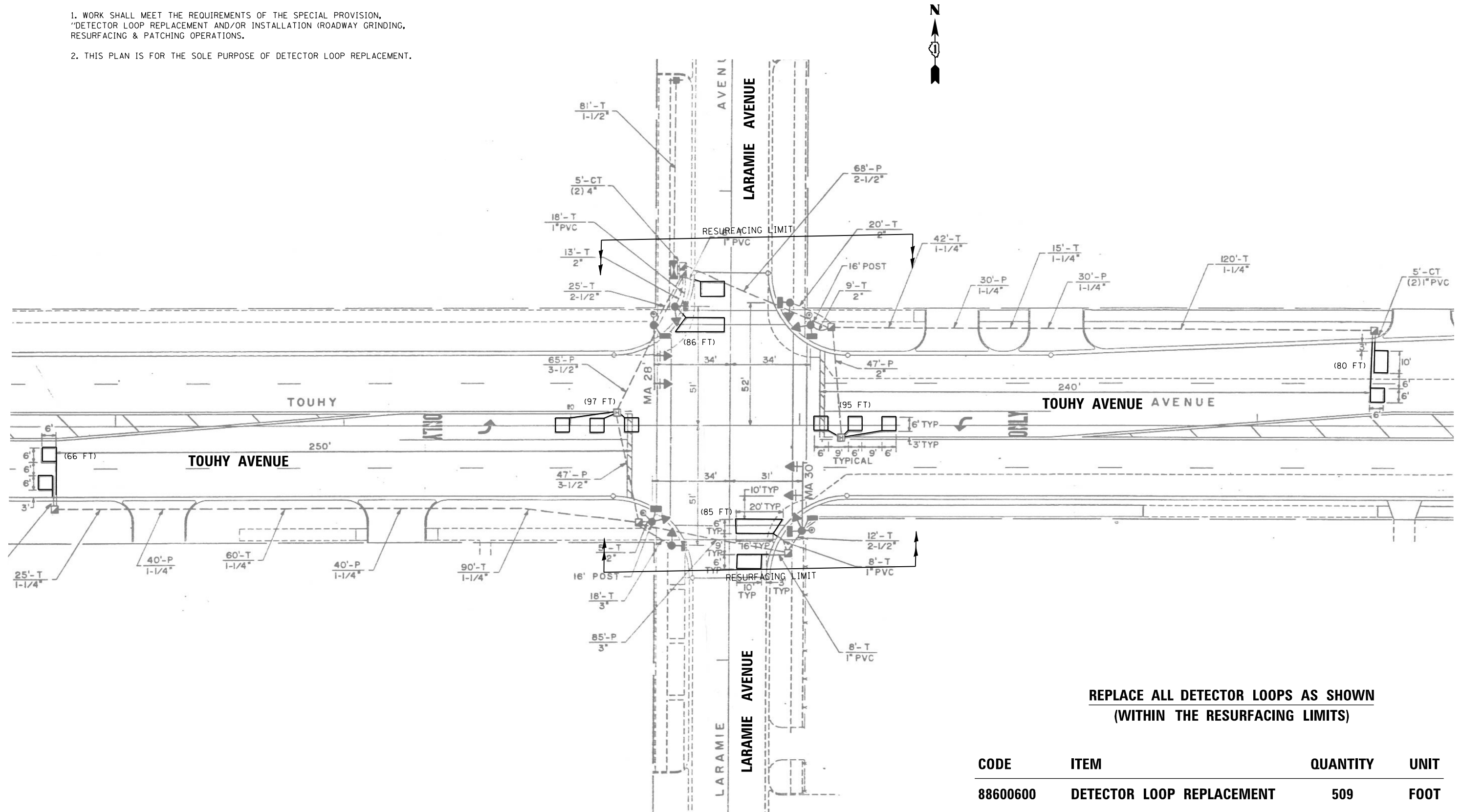
DETECTOR LOOP REPLACEMENT PLAN
TOUHY AVENUE AT NILES CENTER ROAD /CARPENTER ROAD

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
375	2016-044RS	COOK	52	16
CONTRACT NO. 62D13				
ILLINOIS FED. AID PROJECT				

NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.



**REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)**

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	509	FOOT

FILE NAME = TS 14840 TOUHY AVE & LARAMIE AVE_02222017.dgn	USER NAME = SNOWBA	DESIGNED - ZGJ	REVISED -
		DRAWN - ZGJ	REVISED -
	PLOT SCALE = 40.0017'' / in.	CHECKED - LP	REVISED -
Default	PLOT DATE = 6/27/2017	DATE - 02/22/2017	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

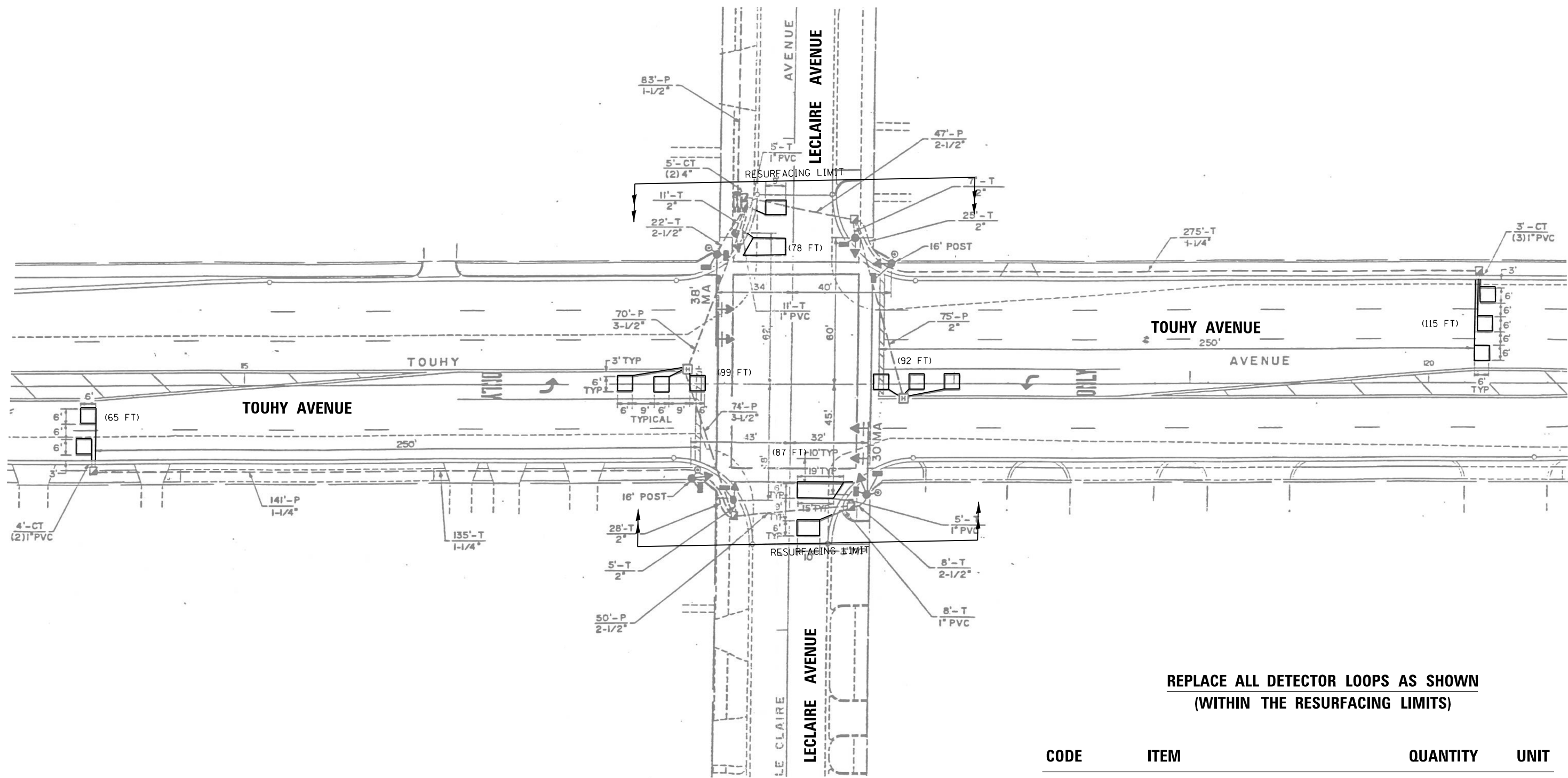
**DETECTOR LOOP REPLACEMENT PLAN
TOUHY AVENUE AT LARAMIE AVENUE**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 375	SECTION 2016-044RS	COUNTY COOK	TOTAL SHEETS 52	SHEET NO. 17
CONTRACT NO. 62D13				ILLINOIS FED. AID PROJECT

NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.



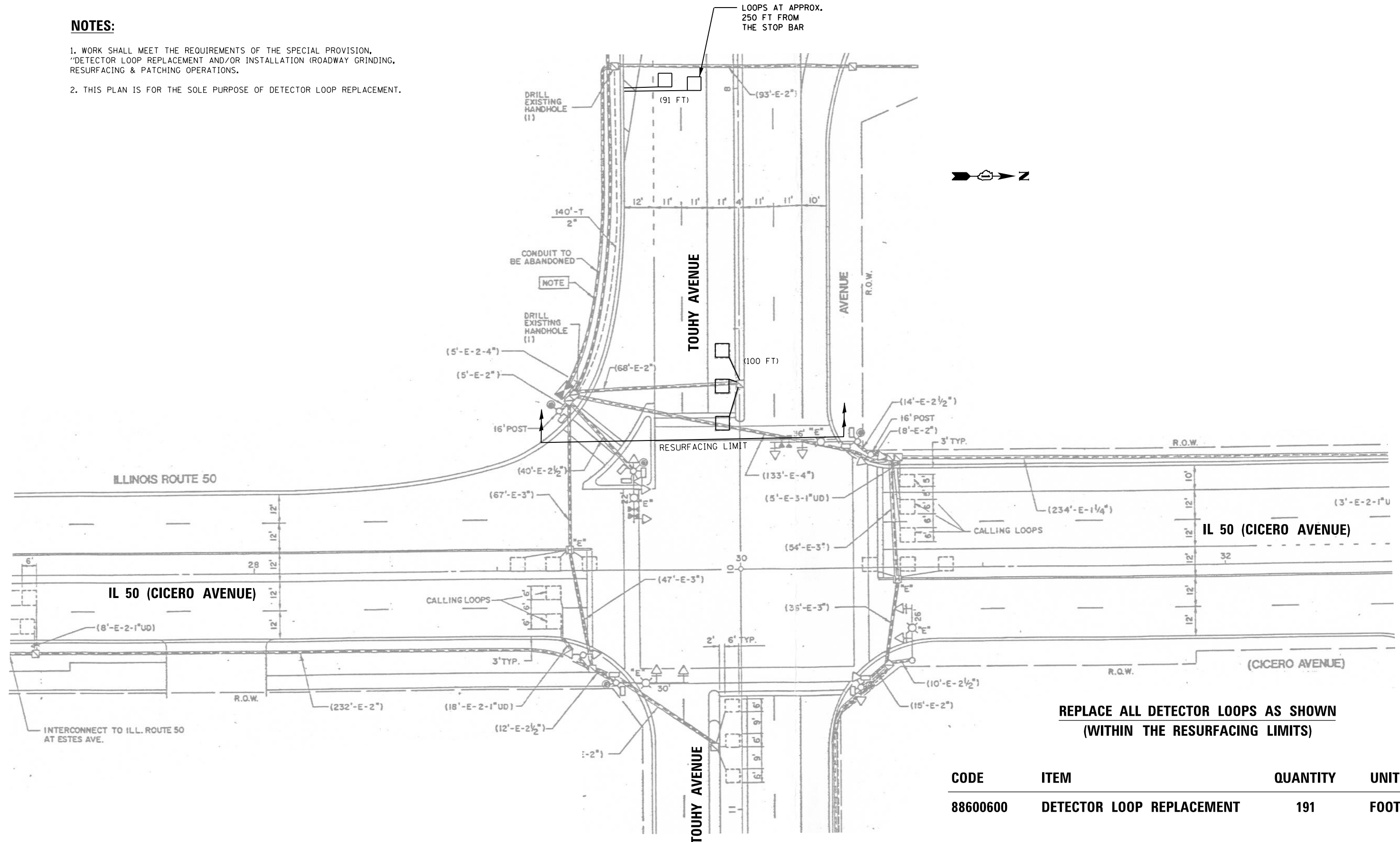
**REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN THE RESURFACING LIMITS)**

CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	536	FOOT

FILE NAME = TS 14845 TOUHY AVE & LECLAIRE AVE.02222017.dgn	USER NAME = SNOWBA	DESIGNED - ZGJ	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETECTOR LOOP REPLACEMENT PLAN TOUHY AVENUE AT LECLAIRE AVENUE	F.A.P. RTE. = 375	SECTION = 2016-044RS	COUNTY = COOK	TOTAL SHEETS = 52	SHEET NO. = 18	
Default	PLOT SCALE = 40.0043' / in.	CHECKED - LP	REVISED -			CONTRACT NO. 62D13					
	PLOT DATE = 6/27/2017	DATE = 02/22/2017	REVISED -			ILLINOIS FED. AID PROJECT					
						SCALE:	SHEET	OF	SHEETS	STA.	TO

NOTES:

1. WORK SHALL MEET THE REQUIREMENTS OF THE SPECIAL PROVISION, "DETECTOR LOOP REPLACEMENT AND/OR INSTALLATION (ROADWAY GRINDING, RESURFACING & PATCHING OPERATIONS).
2. THIS PLAN IS FOR THE SOLE PURPOSE OF DETECTOR LOOP REPLACEMENT.



CODE	ITEM	QUANTITY	UNIT
88600600	DETECTOR LOOP REPLACEMENT	191	FOOT

FILE NAME = TS 2625 TOUHY AVE & IL 50.02252017.dgn	USER NAME = SNOWBA	DESIGNED - ZGJ	REVISED -
		DRAWN - ZGJ	REVISED -
	PLOT SCALE = 40.0025' / in.	CHECKED - LP	REVISED -
Default	PLOT DATE = 6/27/2017	DATE - 02/22/2017	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

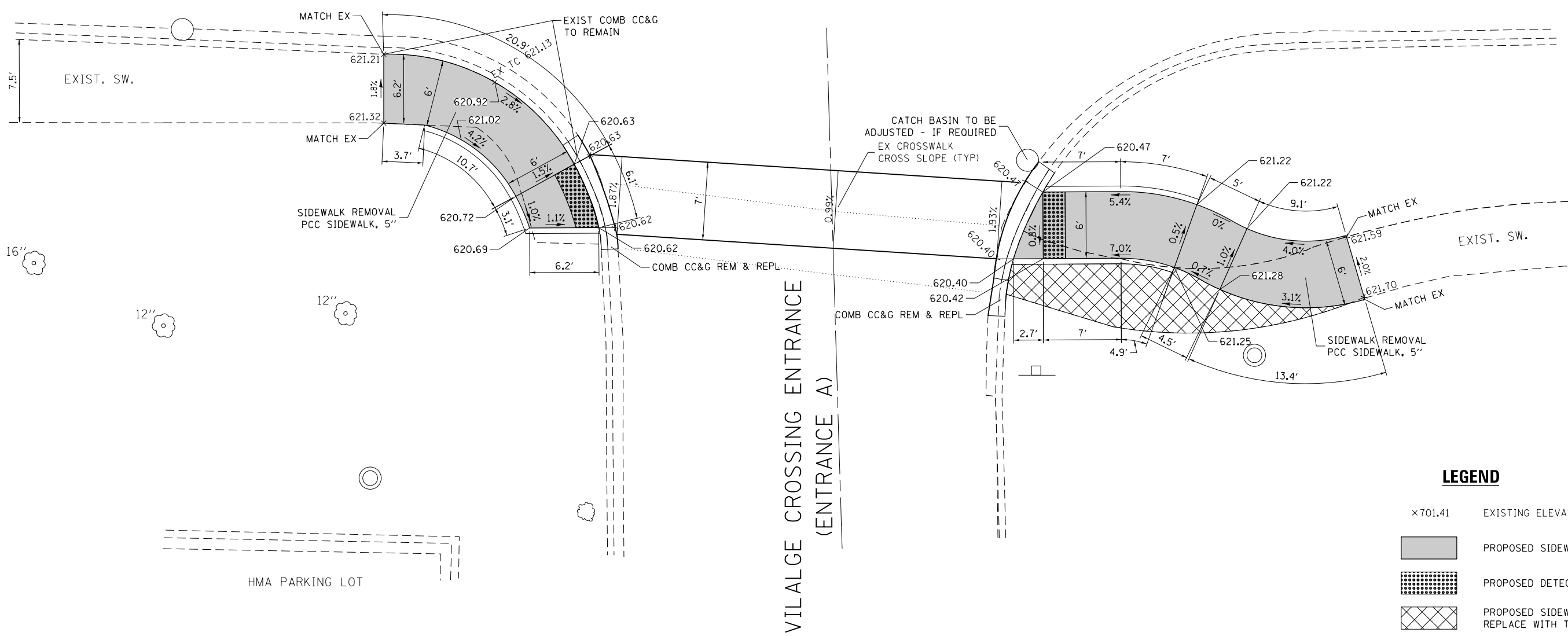
DETECTOR LOOP REPLACEMENT PLAN
TOUHY AVENUE AT IL 50 (CICERO AVENUE)

SCALE: SHEET OF SHEETS STA. TO STA.





F.A.P. RTE. 375	SECTION 2016-044RS	COUNTY COOK	TOTAL SHEETS 52	SHEET NO. 19
CONTRACT NO. 62D13				
ILLINOIS FED. AID PROJECT				

TOUHY AVE.

SITE BENCHMARK:
CHISLED SQUARE AT THE
NORTHWEST CORNER OF
TRAFFIC SIGNAL HANDHOLE,
LOCATED IN THE NORTH
PARKWAY.
ELEVATION = 621.641
VERT DATUM: NAVD 88



LEGEND

- × 701.41 EXISTING ELEVATION
-  PROPOSED SIDEWALK
-  PROPOSED DETECTABLE WARNING
-  PROPOSED SIDEWALK REMOVAL
REPLACE WITH TOPSOIL & SOD
-  PROPOSED SIDE CURB
- 799.38 PROPOSED ELEVATION

MODEL: Default
FILE: \\nas101\pub\B&E\BID\NTEC\Illinois\gov\FWIDOT\Documents\DOT_Offices\Director\Projects\ID143116\CADD\Drawings\ID143116-07-sht-details.dgn

USER NAME = Velichkovv	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/1/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB RAMP DETAILS
TOUHY AVENUE AT VILALGE CROSSING SERVICE ENTRANCE

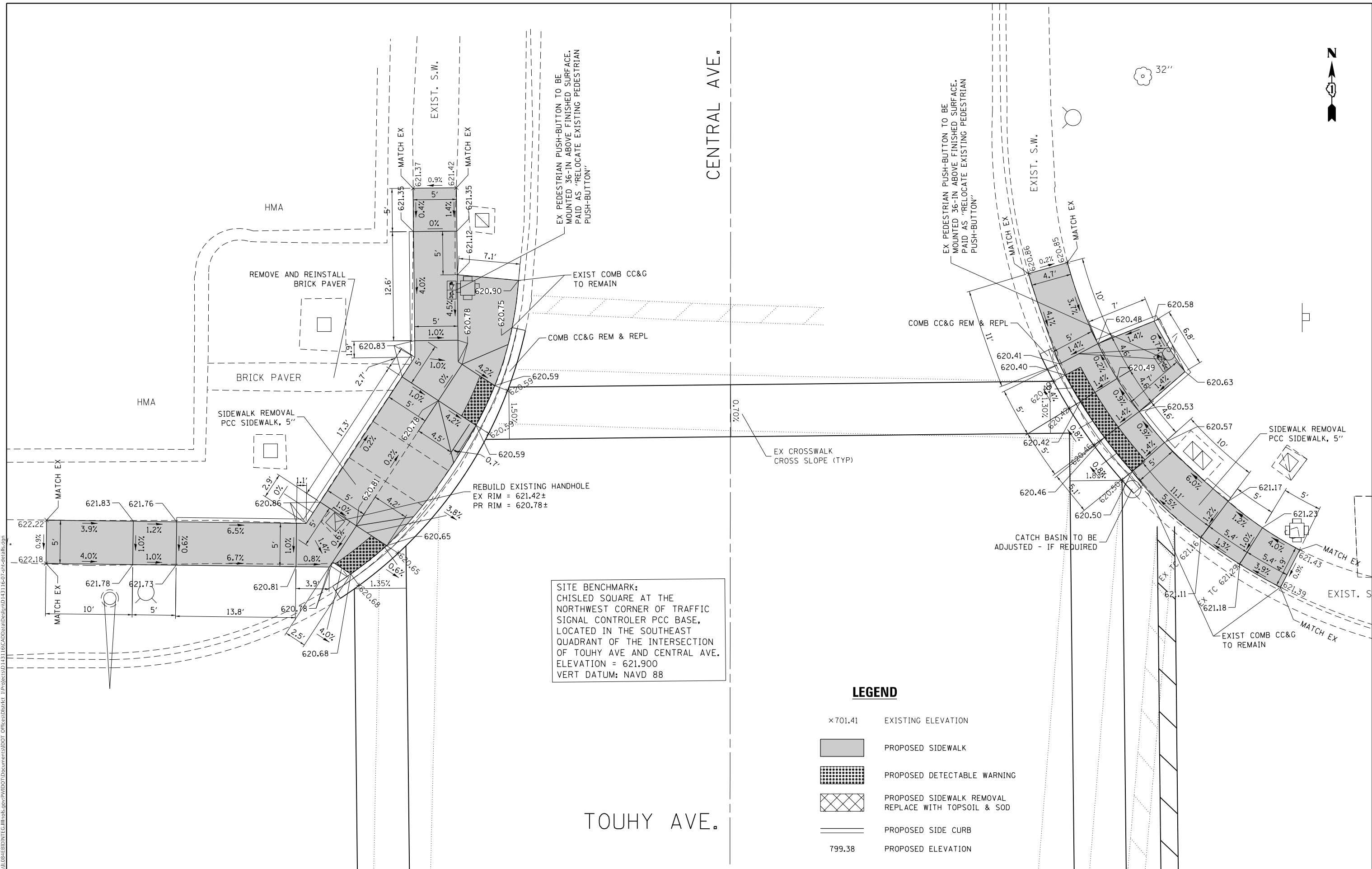
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
375	2016-044RS	COOK	52	20
CONTRACT NO. 62D13				
ILLINOIS FED. AID PROJECT				







CENTRAL AVE.

TOUHY AVE.



SITE BENCHMARK:
CHISLED SQUARE AT THE
NORTHWEST CORNER OF TRAFFIC
SIGNAL CONTROLLER PCC BASE,
LOCATED IN THE SOUTHEAST
QUADRANT OF THE INTERSECTION
OF TOUHY AVE AND CENTRAL AVE.
ELEVATION = 621.900
VERT DATUM: NAVD 88

LEGEND

- × 701.41 EXISTING ELEVATION
-  PROPOSED SIDEWALK
-  PROPOSED DETECTABLE WARNING
-  PROPOSED SIDEWALK REMOVAL
REPLACE WITH TOPSOIL & SOD
-  PROPOSED SIDE CURB
- 799.38 PROPOSED ELEVATION

MODEL: Default
FILE NAME: p:\illinois\B&E\BID\ITEC\Illinois\pov\p\WID\DOT\Documents\BID\DOT_Offices\BID\refct_1\proj\cscs\143116\CADD\B&E\Drawings\143116-07-sht-detailed.dwg

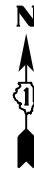
USER NAME = Velichkovv	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 2/1/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CURB RAMP DETAILS
TOUHY AVENUE AT CENTRAL AVENUE**

SCALE: SHEET OF SHEETS STA. TO STA.

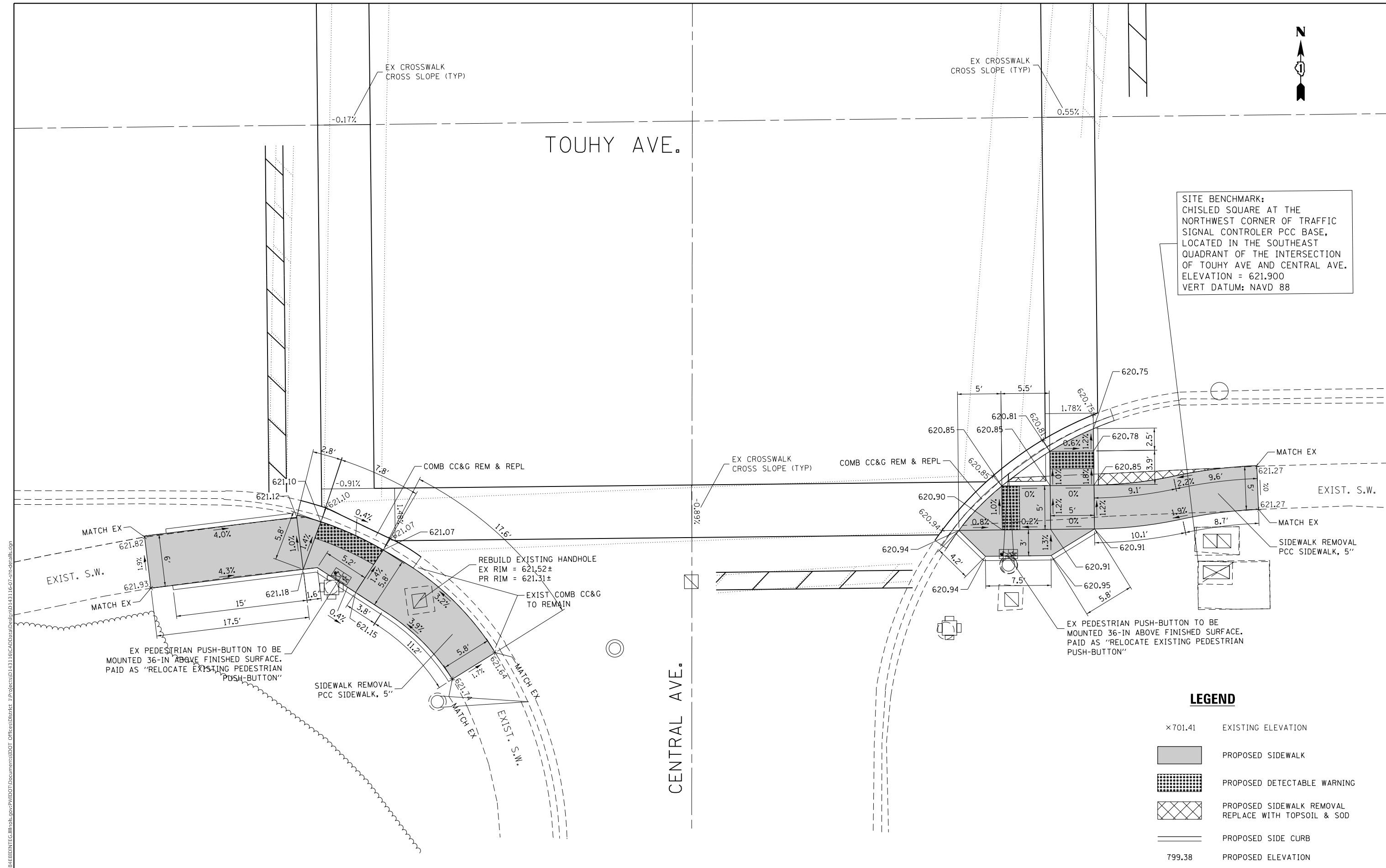
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
375	2016-044RS	COOK	52	21
CONTRACT NO. 62D13				
ILLINOIS FED. AID PROJECT				



TOUHY AVE.

CENTRAL AVE.

SITE BENCHMARK:
 CHISLED SQUARE AT THE
 NORTHWEST CORNER OF TRAFFIC
 SIGNAL CONTROLLER PCC BASE,
 LOCATED IN THE SOUTHEAST
 QUADRANT OF THE INTERSECTION
 OF TOUHY AVE AND CENTRAL AVE.
 ELEVATION = 621.900
 VERT DATUM: NAVD 88



LEGEND

- × 701.41 EXISTING ELEVATION
- [Solid Grey Box] PROPOSED SIDEWALK
- [Grid Pattern Box] PROPOSED DETECTABLE WARNING
- [Cross-hatch Box] PROPOSED SIDEWALK REMOVAL
REPLACE WITH TOPSOIL & SOD
- [Dashed Line] PROPOSED SIDE CURB
- 799.38 PROPOSED ELEVATION

MODEL: Default
 FILE NAME: P:\ILLINOIS\BID\DOT\Documents\DOT Office\Drawings\116160444R5\116160444R5.dwg
 PROJECT: 116160444R5

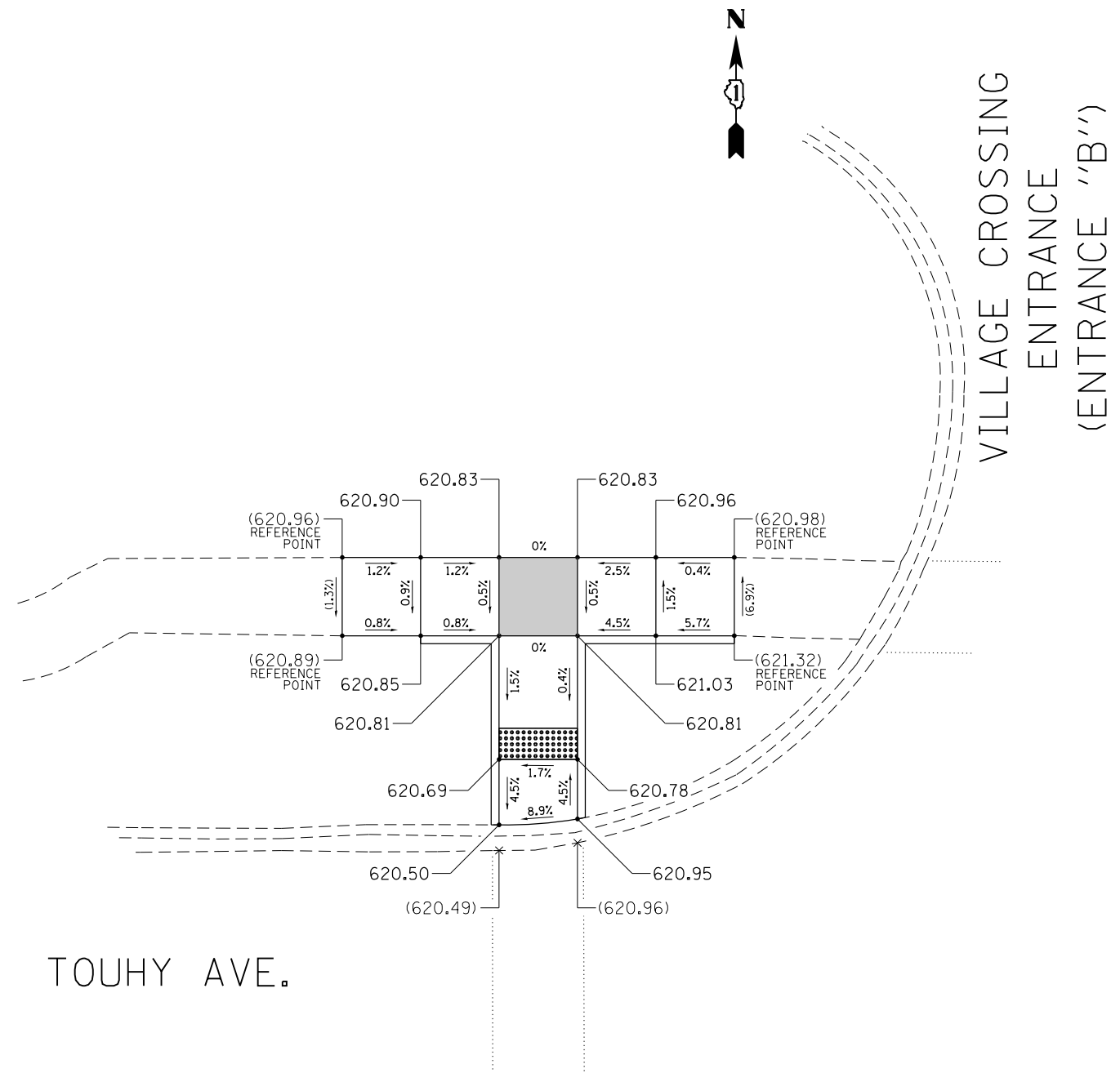
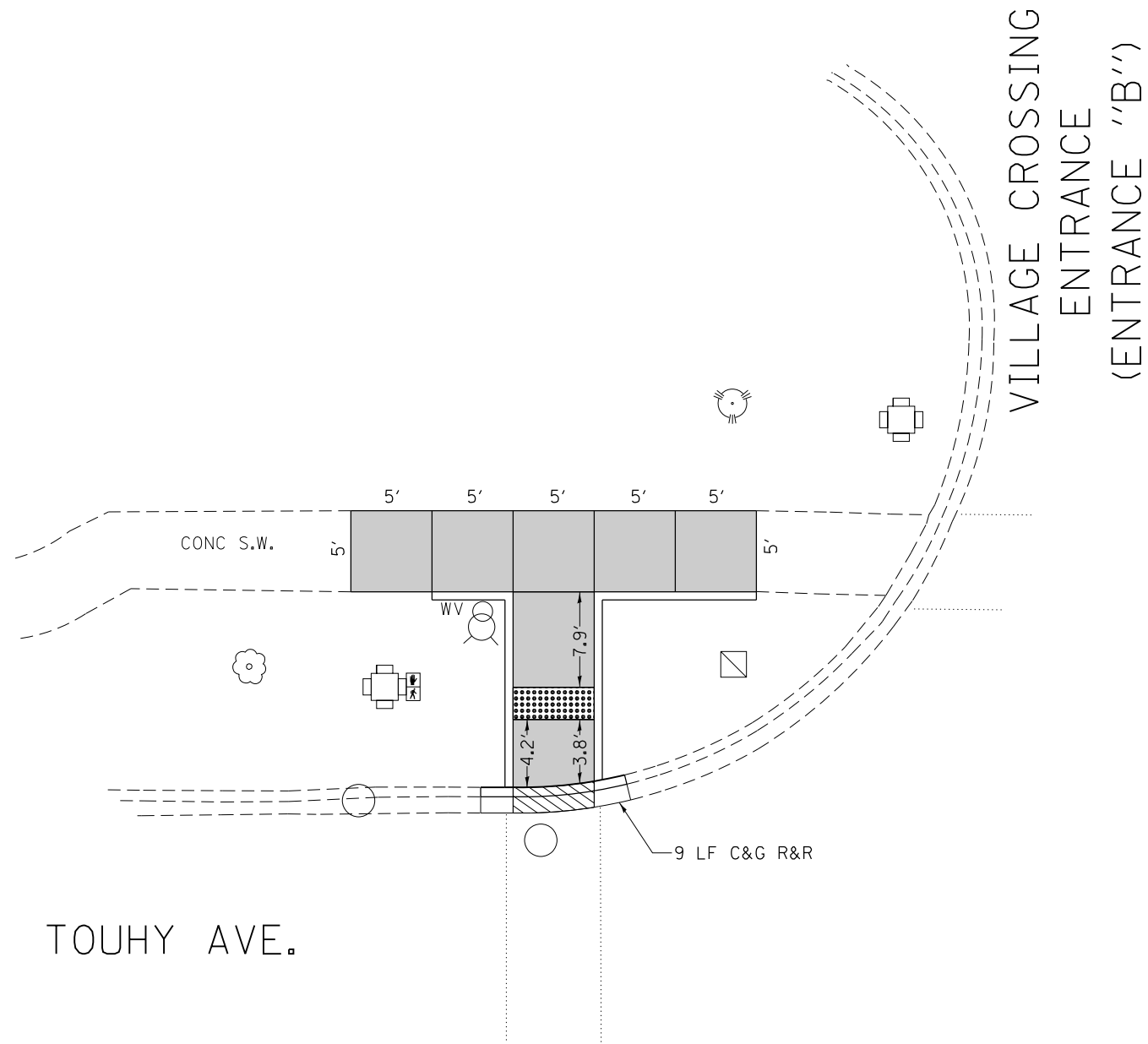
USER NAME = Velichkovv	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10.0000' / 1"	CHECKED -	REVISED -
PLOT DATE = 2/1/2018	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CURB RAMP DETAILS
 TOUHY AVENUE AT CENTRAL AVENUE**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
375	2016-044R5	COOK	52	22
CONTRACT NO. 62D13				
ILLINOIS FED. AID PROJECT				



LEGEND

- DETECTABLE WARNING
- DEPRESSED CURB & GUTTER
- SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD
- PROPOSED SIDEWALK
- RELOCATE EXISTING
PEDESTRIAN PUSH-BUTTON
- PROPOSED SIDE CURB

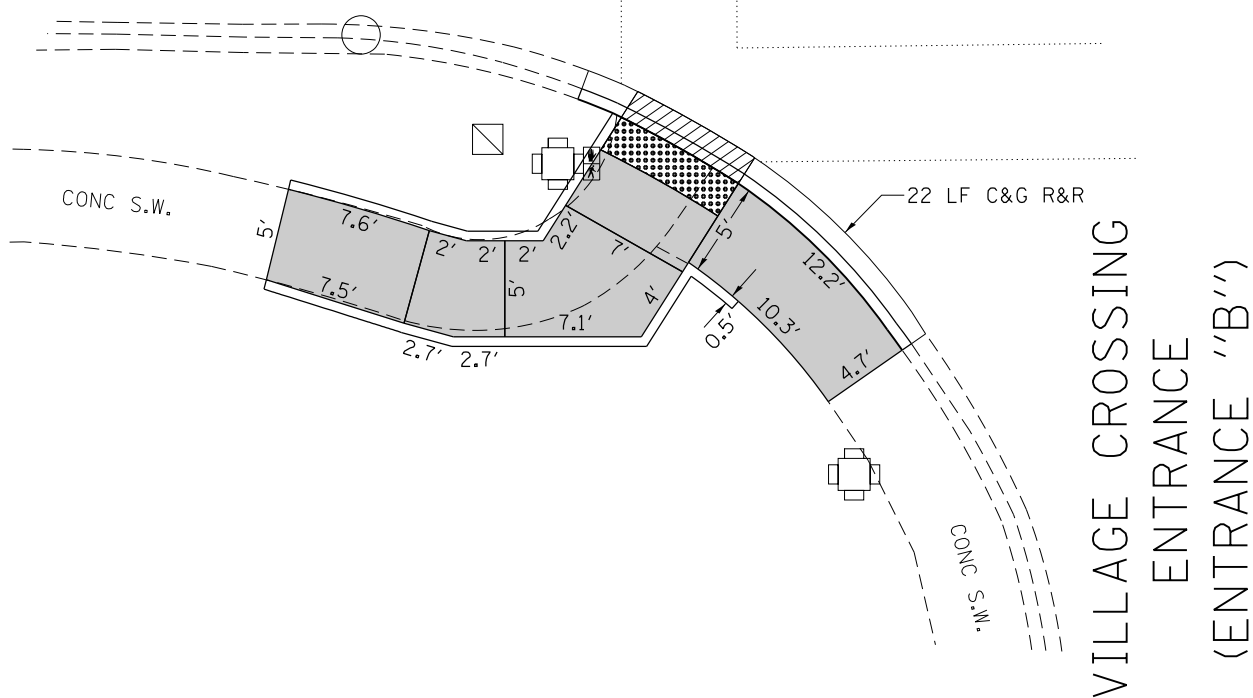
REFERENCE BENCHMARK ELEV 621.013
 BENCHMARK : SQUARE ON SW SIDE OF CONC. T.S. BASE
 LOCATION : NORTHWEST CORNER VILLAGE CROSSING ENT

LEGEND

- DETECTABLE WARNING
- LANDING/TURNING SPACE
- () EXISTING ELEVATION/SLOPE
- x EDGE OF PAVEMENT
ELEVATION
- PROPOSED SIDE CURB

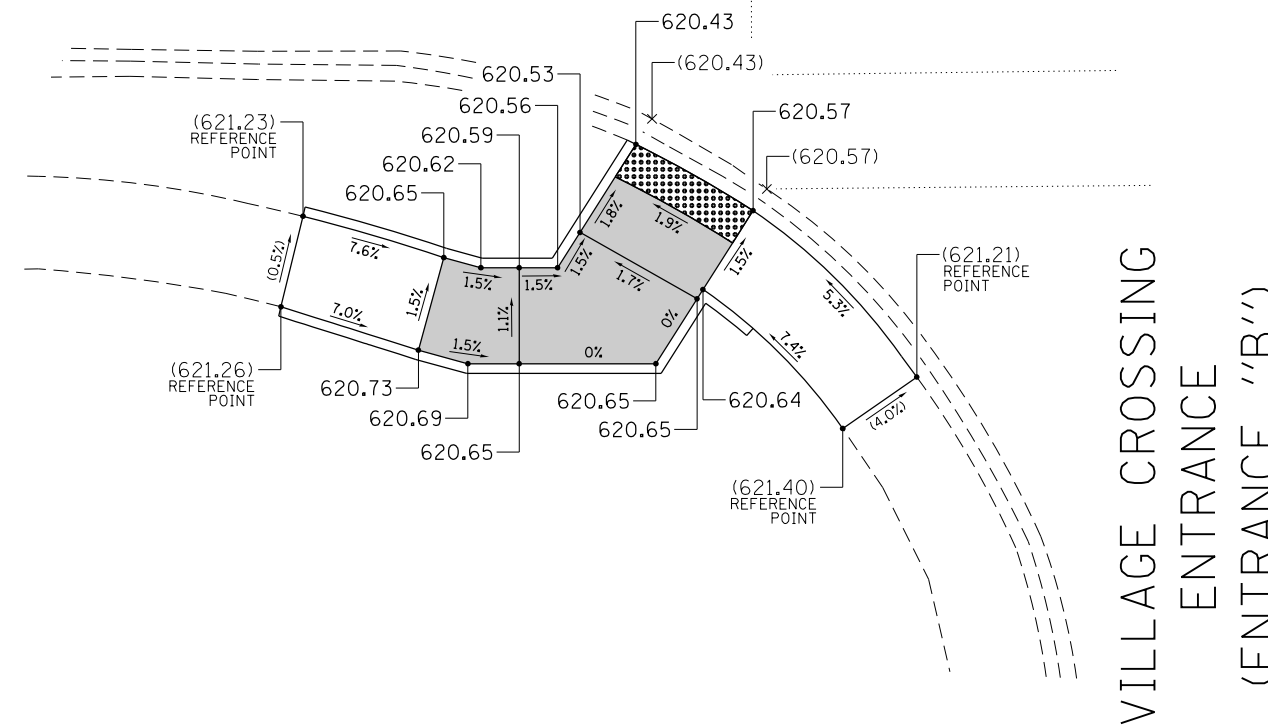


TOUHY AVE.



VILLAGE CROSSING
ENTRANCE "B"
(ENTRANCE "B")

TOUHY AVE.



VILLAGE CROSSING
ENTRANCE "B"
(ENTRANCE "B")

LEGEND

- DETECTABLE WARNING
- DEPRESSED CURB & GUTTER
- SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD
- PROPOSED SIDEWALK
- RELOCATE EXISTING
PEDESTRIAN PUSH-BUTTON
- PROPOSED SIDE CURB

LEGEND

- DETECTABLE WARNING
- LANDING/TURNING SPACE
- () EXISTING ELEVATION/SLOPE
- x EDGE OF PAVEMENT
ELEVATION
- PROPOSED SIDE CURB

REFERENCE BENCHMARK ELEV 621.013
BENCHMARK : SQUARE ON SW SIDE OF CONC. T.S. BASE
LOCATION : NORTHWEST CORNER VILLAGE CROSSING ENT

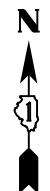
FILE NAME :	USER NAME : Velichkovv	DESIGNED -	REVISED -
pw\IL084EBID\INTEG\Illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\DI43116\BPR\BPR Data\Design\DI43116-07-sht-details.dwg		CHECKED -	REVISED -
Default	PLOT SCALE = 10.0000' / in.	DATE -	REVISED -
	PLOT DATE = 2/1/2018		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB RAMP DETAILS
TOUHY AVENUE AT VILLAGE CROSSING ENTRANCE

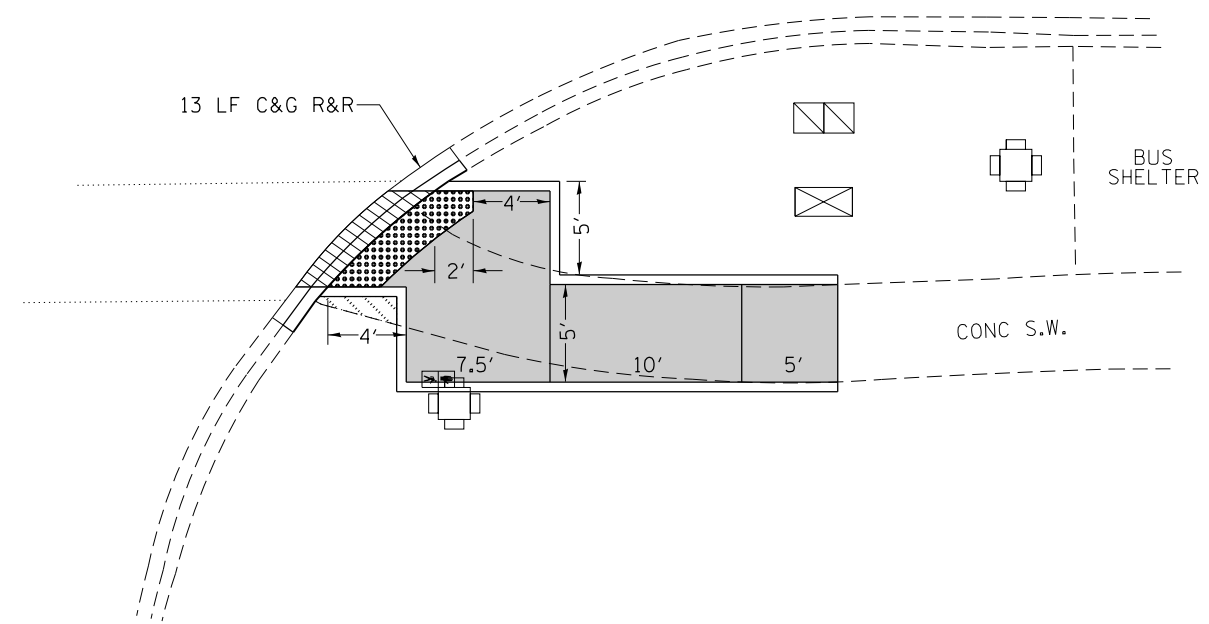
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
375	2016-044R5	COOK	52	24
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62D13	



TOUHY AVE.

VILLAGE CROSSING
ENTRANCE



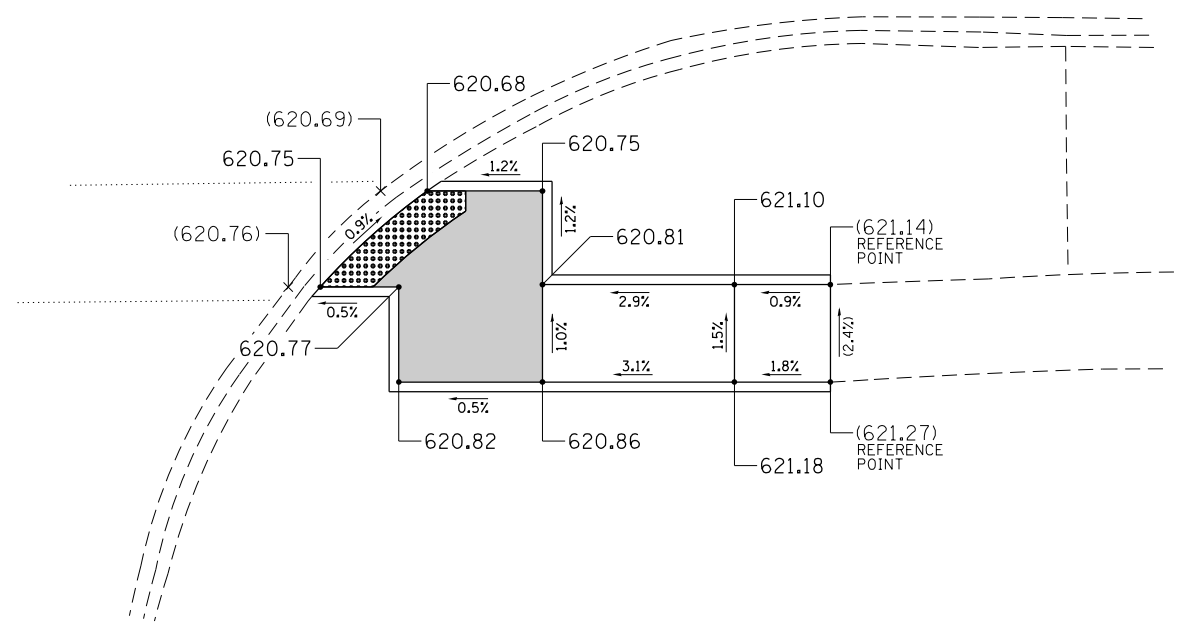
LEGEND

- DETECTABLE WARNING
- DEPRESSED CURB & GUTTER
- SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD
- PROPOSED SIDEWALK
- RELOCATE EXISTING
PEDESTRIAN PUSH-BUTTON
- PROPOSED SIDE CURB

REFERENCE BENCHMARK ELEV 621.013
 BENCHMARK : SQUARE ON SW SIDE OF CONC. T.S. BASE
 LOCATION : NORTHWEST CORNER VILLAGE CROSSING ENT

TOUHY AVE.

VILLAGE CROSSING
ENTRANCE



LEGEND

- DETECTABLE WARNING
- LANDING/TURNING SPACE
- () EXISTING ELEVATION/SLOPE
- x EDGE OF PAVEMENT
ELEVATION
- PROPOSED SIDE CURB

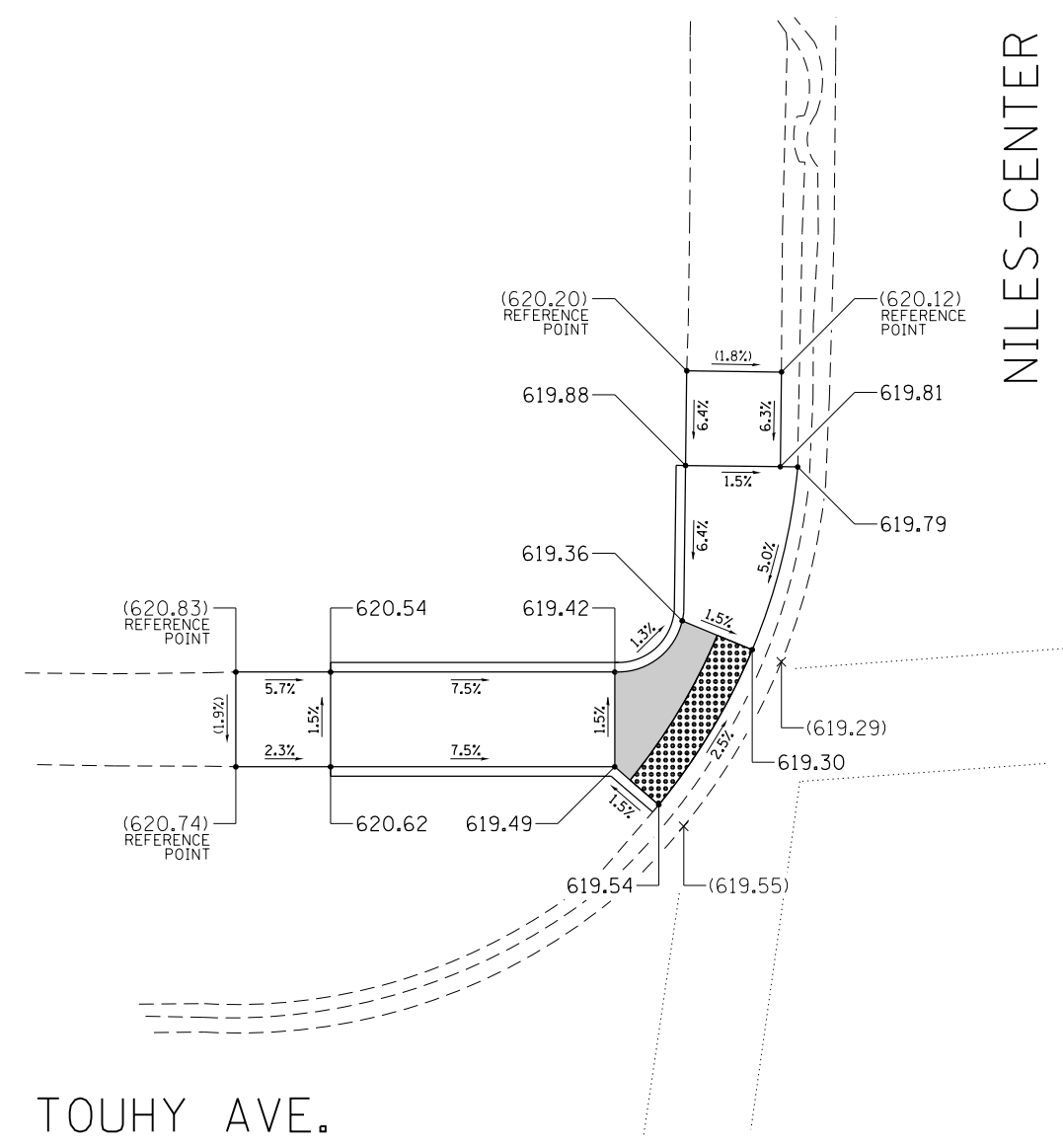
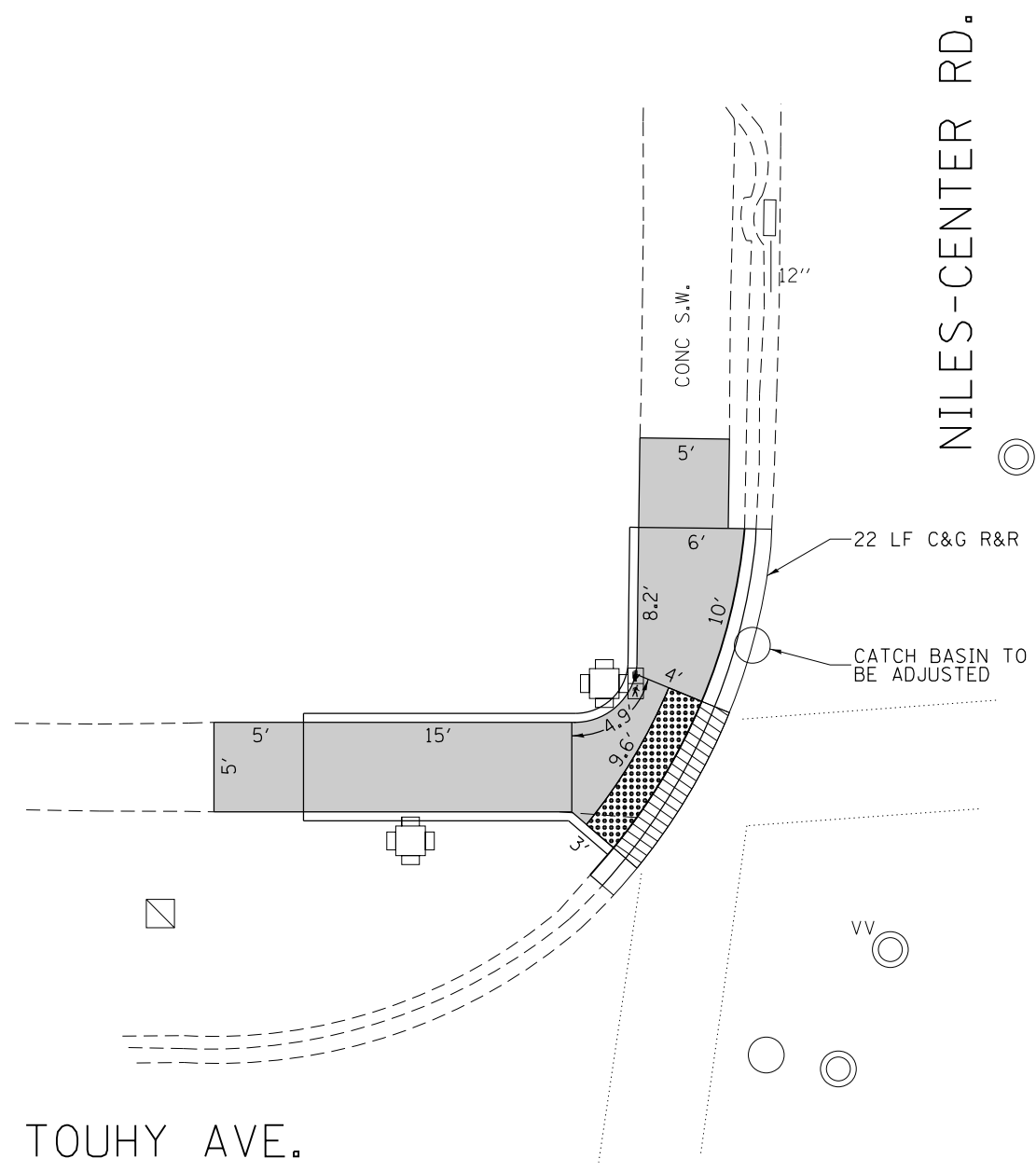
FILE NAME :	USER NAME : Volichkovv	DESIGNED -	REVISED -
pw\ill084EBIDINTEG\Illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\DI4316\Bent\Design\DI4316-07-shr-details.dwg		REVISED -	REVISED -
Default	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/1/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CURB RAMP DETAILS
TOUHY AVENUE AT VILLAGE CROSSING ENTRANCE**

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
--------	-------	----	--------	------	----	------

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
375	2016-044R5	COOK	52	25
CONTRACT NO. 62D13			ILLINOIS FED. AID PROJECT	



REFERENCE BENCHMARK ELEV 620.805
 BENCHMARK : SQUARE ON EAST FACE OF T.S. W/ ARM
 LOCATION : NORTHWEST CORNER NILES-CENTER RD

LEGEND

	DETECTABLE WARNING
	DEPRESSED CURB & GUTTER
	SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD
	PROPOSED SIDEWALK
	RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON
	PROPOSED SIDE CURB

LEGEND

	DETECTABLE WARNING
	LANDING/TURNING SPACE
()	EXISTING ELEVATION/SLOPE
x	EDGE OF PAVEMENT ELEVATION
	PROPOSED SIDE CURB

FILE NAME :	USER NAME = Velichkovv	DESIGNED -	REVISED -
pw\11084EBIDINTEG\Illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\DI43116\Design\DI43116-07-sht-details.dwg		CHECKED -	REVISED -
Default	PLOT SCALE = 10,000' / in.	DATE -	REVISED -
	PLOT DATE = 2/1/2018		

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

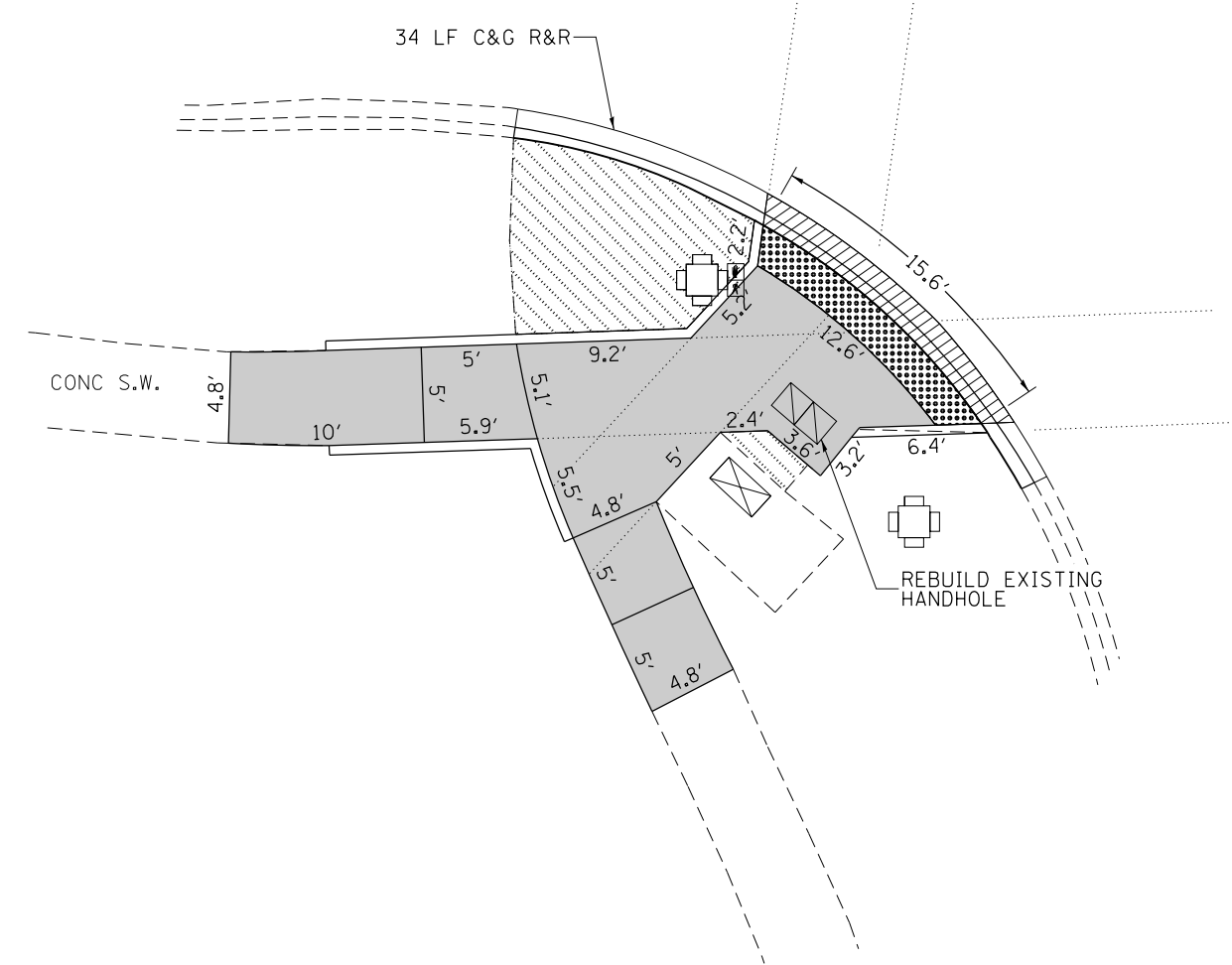
CURB RAMP DETAILS
TOUHY AVENUE AT NILES-CENTER ROAD

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
--------	-------	----	--------	------	----	------

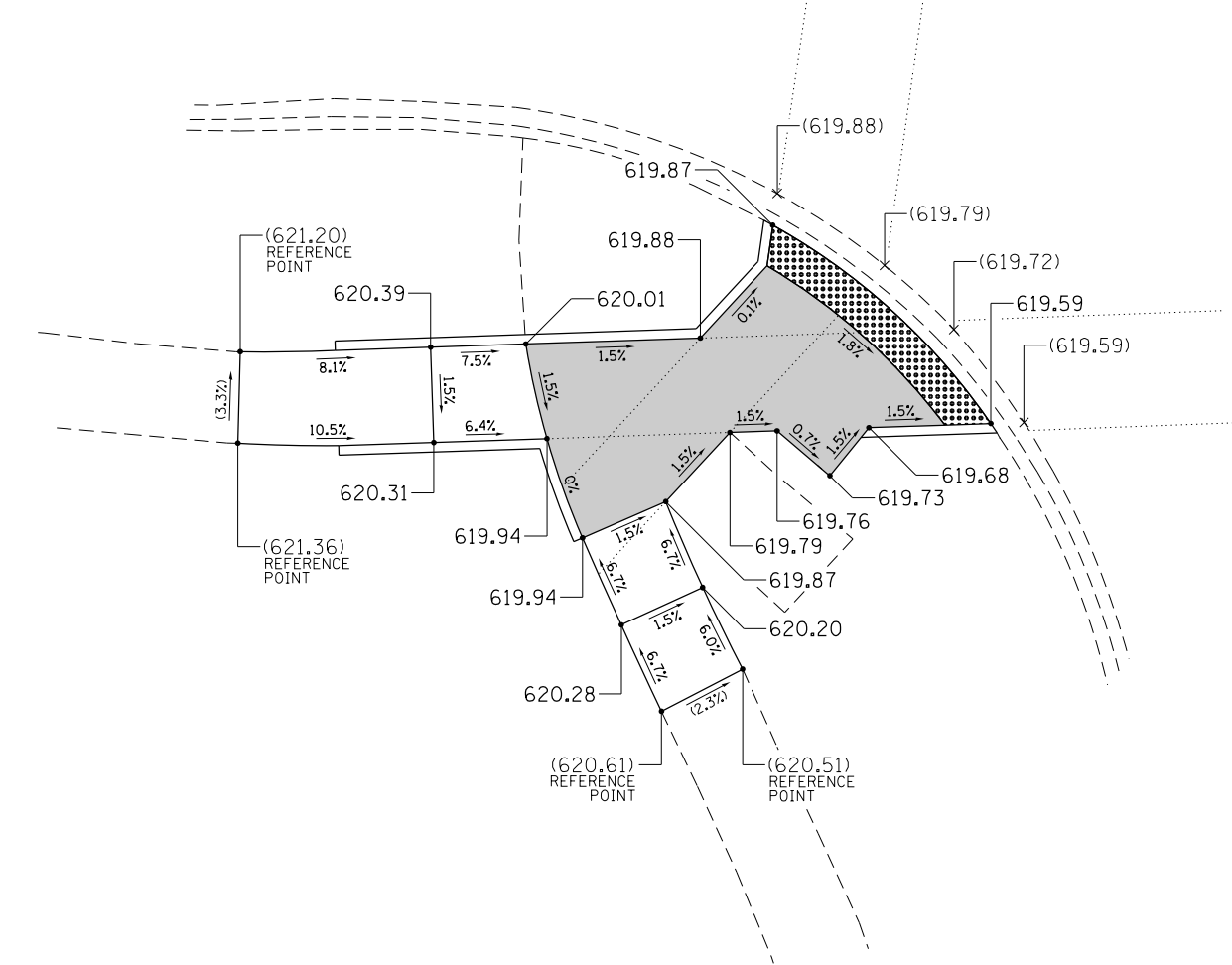
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
375	2016-044R5	COOK	52	26
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62D13	



TOUHY AVE.



TOUHY AVE.



NILES-CENTER RD.

NILES-CENTER RD.

LEGEND

- DETECTABLE WARNING
- DEPRESSED CURB & GUTTER
- SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD
- PROPOSED SIDEWALK
- RELOCATE EXISTING
PEDESTRIAN PUSH-BUTTON
- PROPOSED SIDE CURB

LEGEND

- DETECTABLE WARNING
- LANDING/TURNING SPACE
- () EXISTING ELEVATION/SLOPE
- x EDGE OF PAVEMENT
ELEVATION
- PROPOSED SIDE CURB

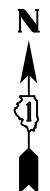
REFERENCE BENCHMARK ELEV 620.805
 BENCHMARK : SQUARE ON EAST FACE OF T.S. W/ ARM
 LOCATION : NORTHWEST CORNER NILES-CENTER RD

FILE NAME :	USER NAME : Velichkov	DESIGNED -	REVISED -
pw\IL084EBIDINTEG\Illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\DI43116-07-Details		DESIGNED -	REVISED -
Default	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/1/2018	DATE -	REVISED -

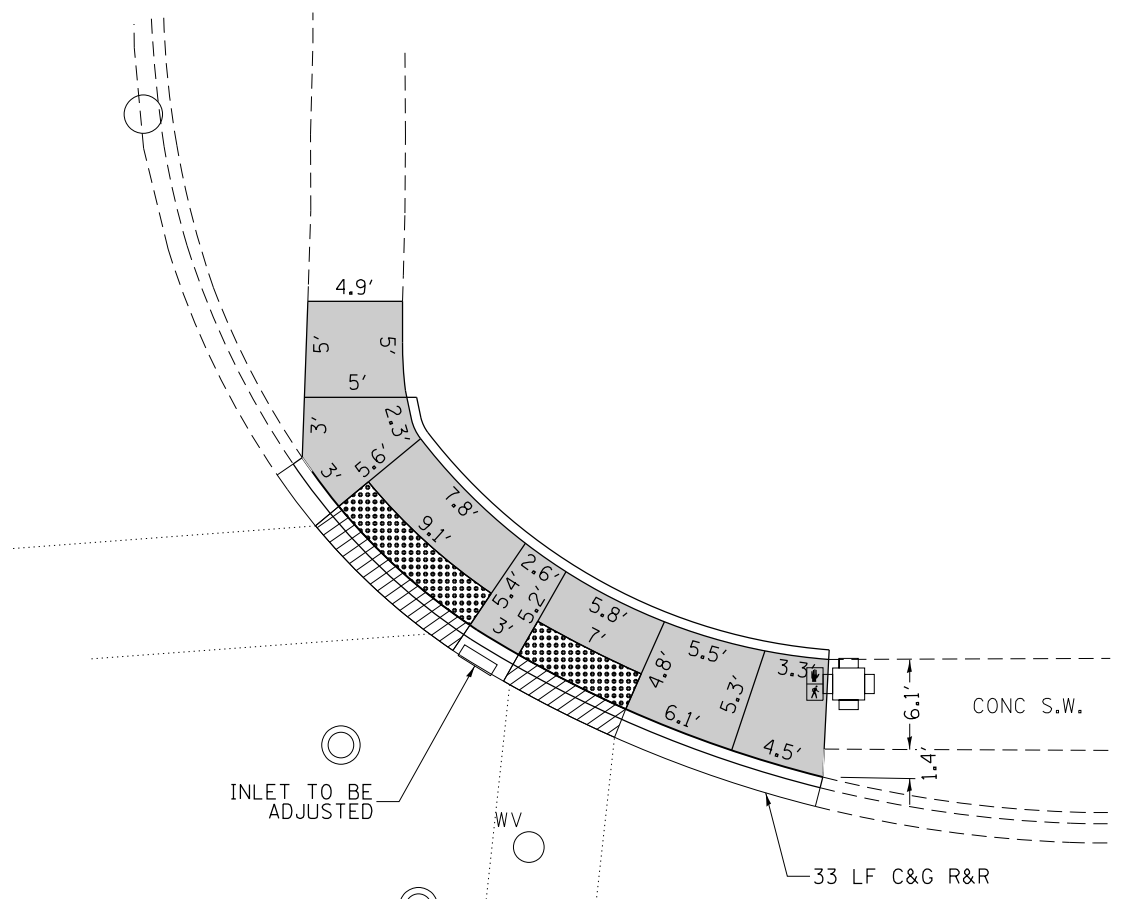
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CURB RAMP DETAILS			
TOUHY AVENUE AT NILES-CENTER ROAD			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
375	2016-044R5	COOK	52	27
			CONTRACT NO. 62D13	
ILLINOIS FED. AID PROJECT				

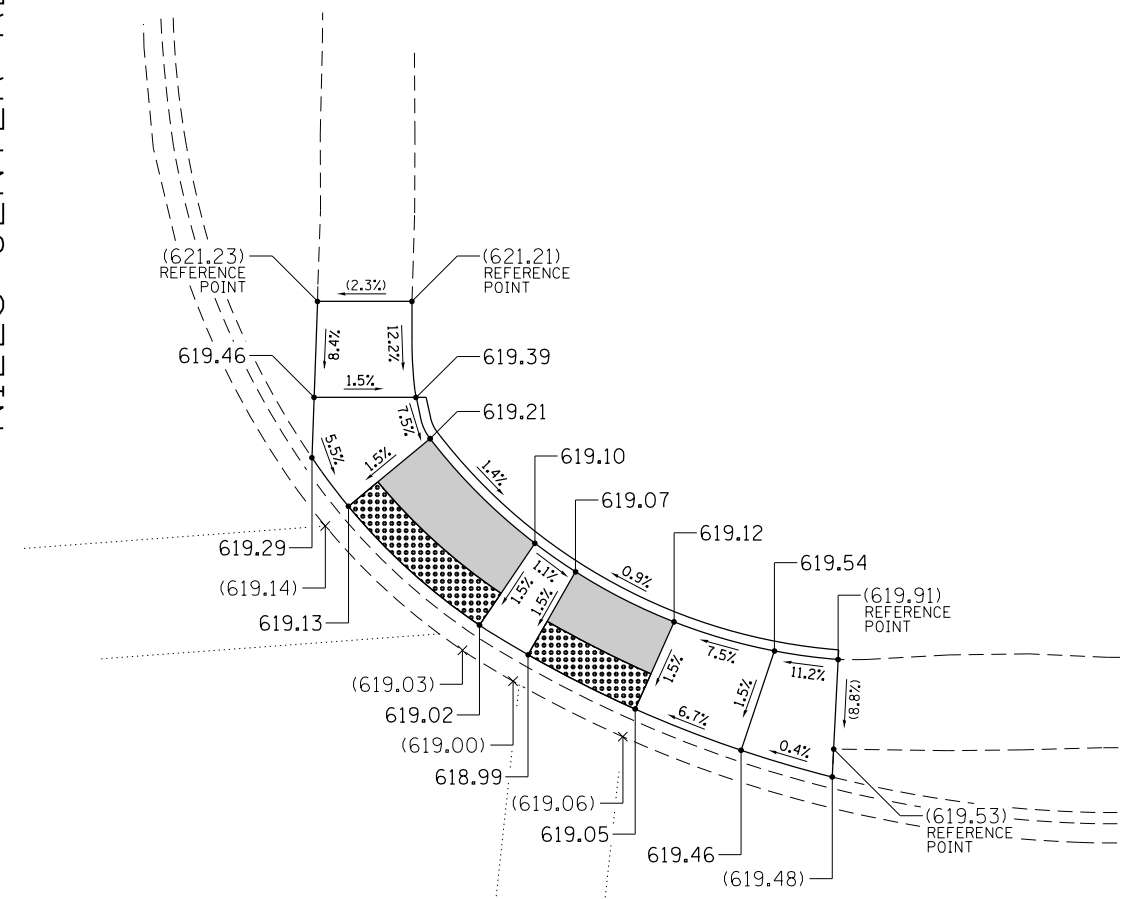


NILES-CENTER RD.



TOUHY AVE.

NILES-CENTER RD.



TOUHY AVE.

LEGEND

- DETECTABLE WARNING
- DEPRESSED CURB & GUTTER
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD
- PROPOSED SIDEWALK
- RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON
- PROPOSED SIDE CURB

LEGEND

- DETECTABLE WARNING
- LANDING/TURNING SPACE
- () EXISTING ELEVATION/SLOPE
- x EDGE OF PAVEMENT ELEVATION
- PROPOSED SIDE CURB

REFERENCE BENCHMARK ELEV 620.805
 BENCHMARK : SQUARE ON EAST FACE OF T.S. W/ ARM
 LOCATION : NORTHWEST CORNER NILES-CENTER RD

FILE NAME :	USER NAME = Velichkovv	DESIGNED -	REVISED -
pw\ill084EBIDINTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\DI43116\BPR\BPR Data\Design\DI43116-07-sht-details.dwg		CHECKED -	REVISED -
Default	PLOT SCALE = 10.0000' / in.	DATE -	REVISED -
	PLOT DATE = 2/1/2018		

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CURB RAMP DETAILS
TOUHY AVENUE AT NILES-CENTER ROAD

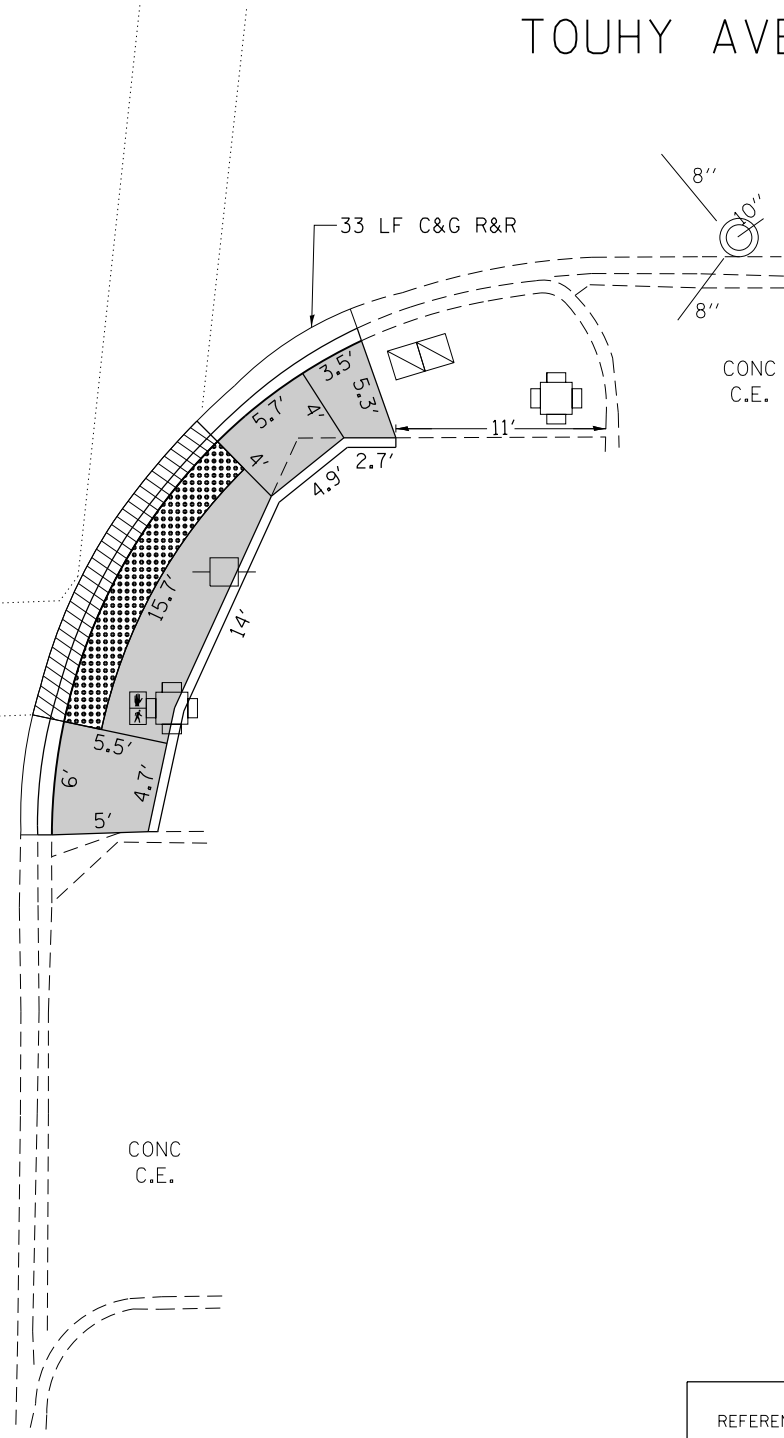
SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
--------	-------	----	--------	------	----	------

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
375	2016-044RS	COOK	52	28
ILLINOIS FED. AID PROJECT			CONTRACT NO. 62D13	



NILES-CENTER RD.

TOUHY AVE.



LEGEND

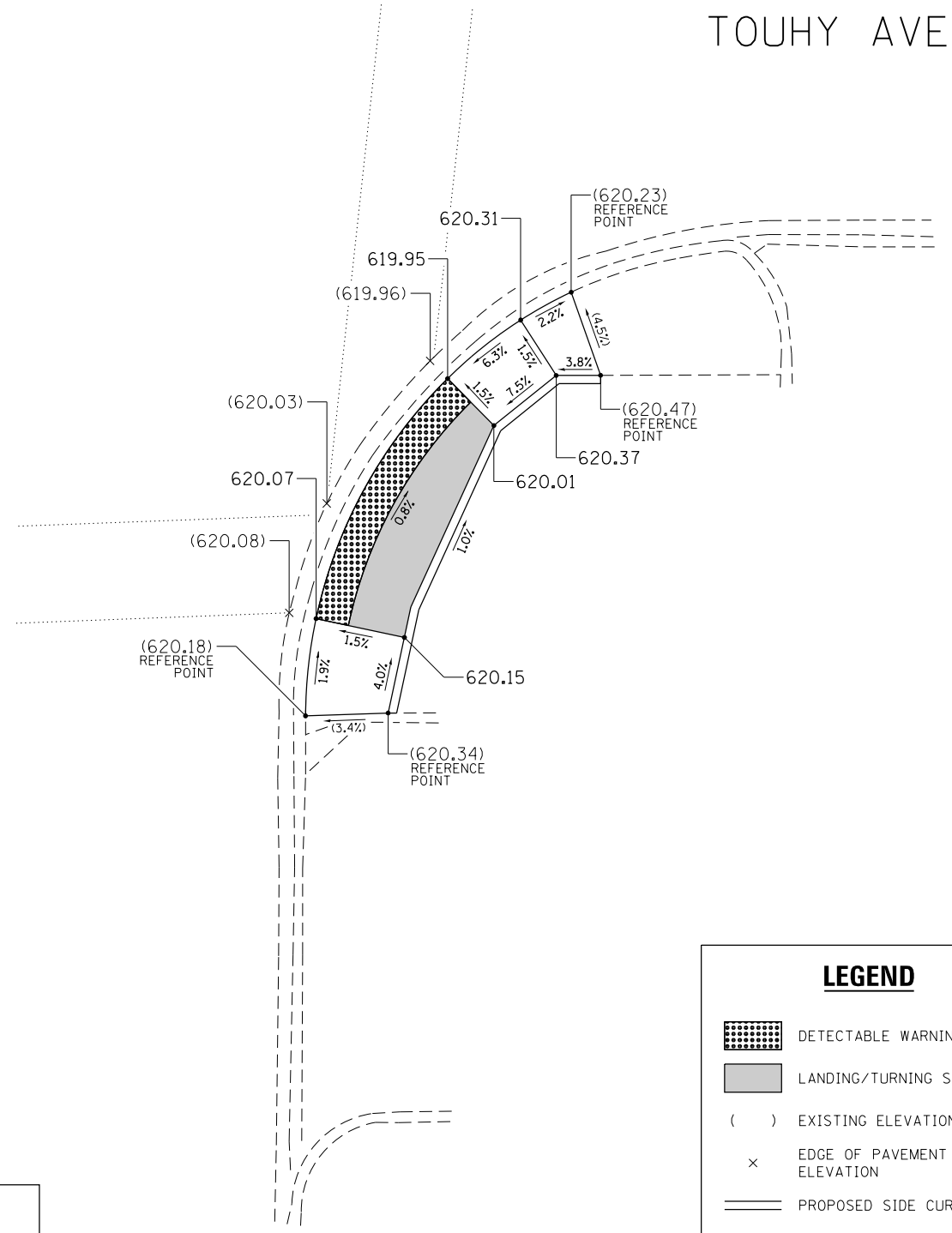
- DETECTABLE WARNING
- DEPRESSED CURB & GUTTER
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD
- PROPOSED SIDEWALK
- RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON
- PROPOSED SIDE CURB

CONC C.E.

REFERENCE BENCHMARK ELEV 620.805
 BENCHMARK : SQUARE ON EAST FACE OF T.S. W/ ARM
 LOCATION : NORTHWEST CORNER NILES-CENTER RD

NILES-CENTER RD.

TOUHY AVE.



LEGEND

- DETECTABLE WARNING
- LANDING/TURNING SPACE
- () EXISTING ELEVATION/SLOPE
- X EDGE OF PAVEMENT ELEVATION
- PROPOSED SIDE CURB

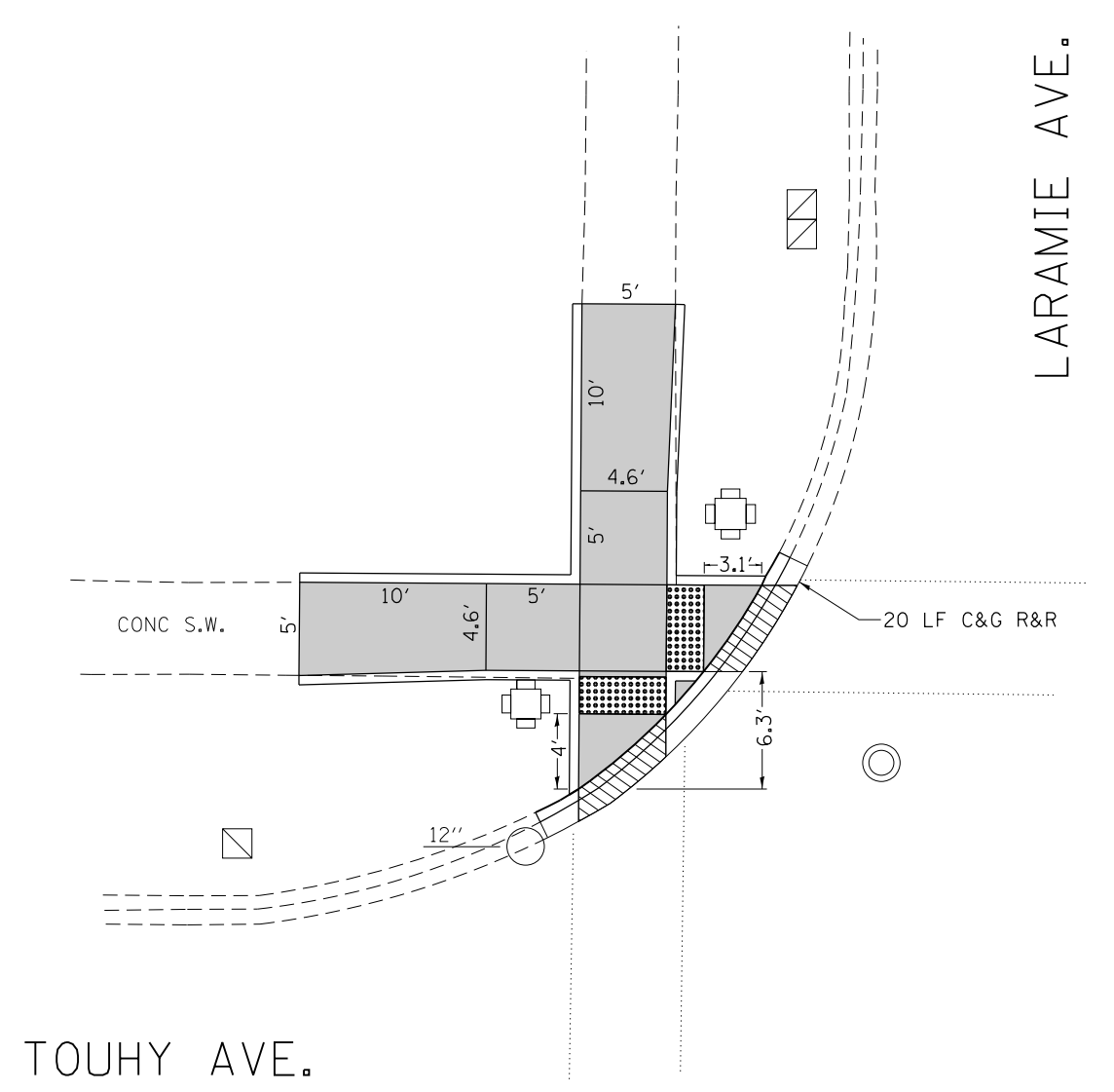
FILE NAME :	USER NAME : Volichkovv	DESIGNED -	REVISED -
pw\IL084EBID\INTEG\Illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\DI43116\Bent\Design\DI43116-07-shd-details.dwg		CHECKED -	REVISED -
Default	PLOT DATE = 2/1/2018	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CURB RAMP DETAILS
TOUHY AVENUE AT NILES-CENTER ROAD

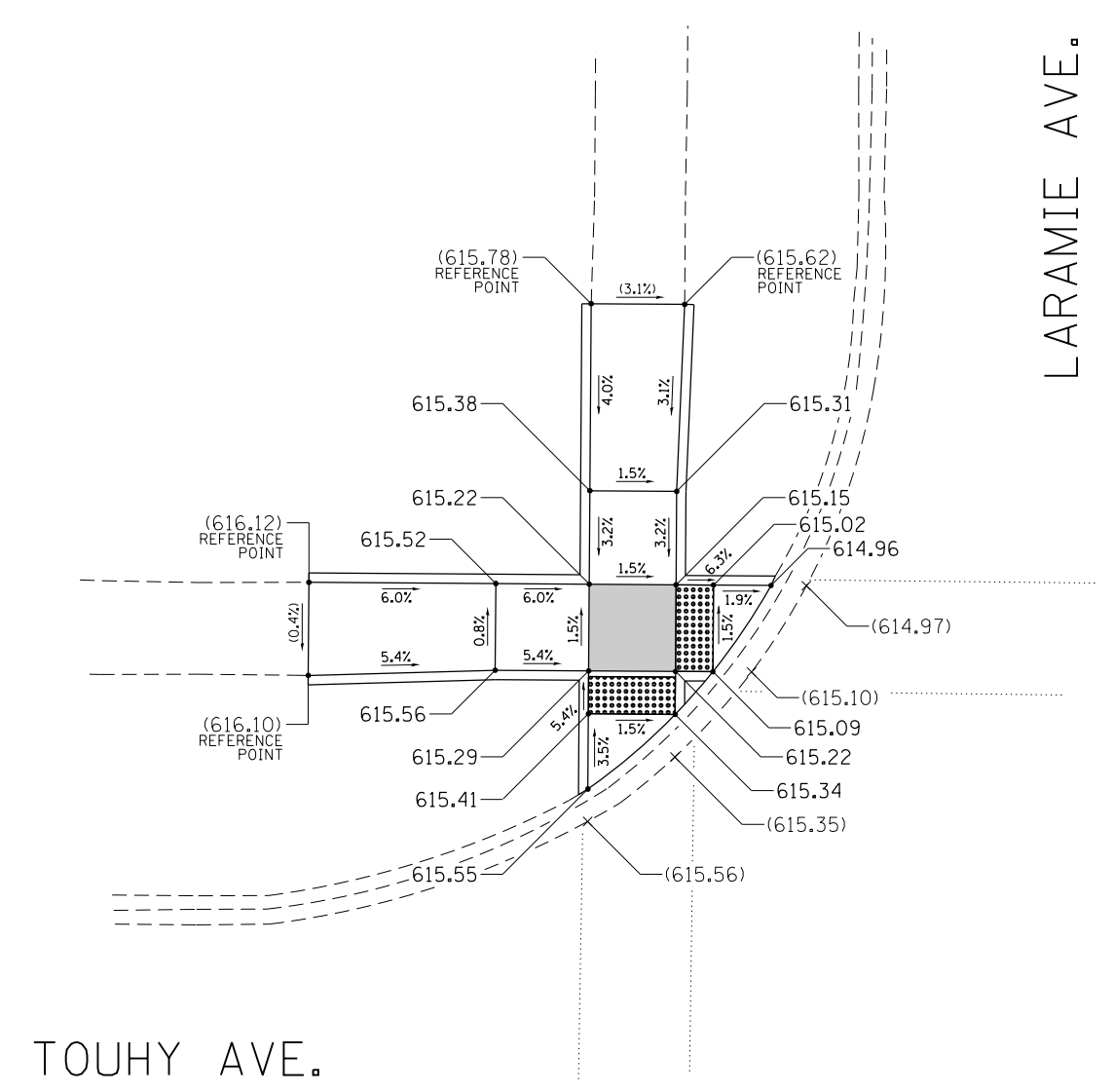
SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
--------	-------	----	--------	------	----	------

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
375	2016-044RS	COOK	52	29
			CONTRACT NO. 62D13	
ILLINOIS FED. AID PROJECT				



LARAMIE AVE.

TOUHY AVE.



LARAMIE AVE.

TOUHY AVE.

LEGEND

- DETECTABLE WARNING
- DEPRESSED CURB & GUTTER
- SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD
- PROPOSED SIDEWALK
- RELOCATE EXISTING
PEDESTRIAN PUSH-BUTTON
- PROPOSED SIDE CURB

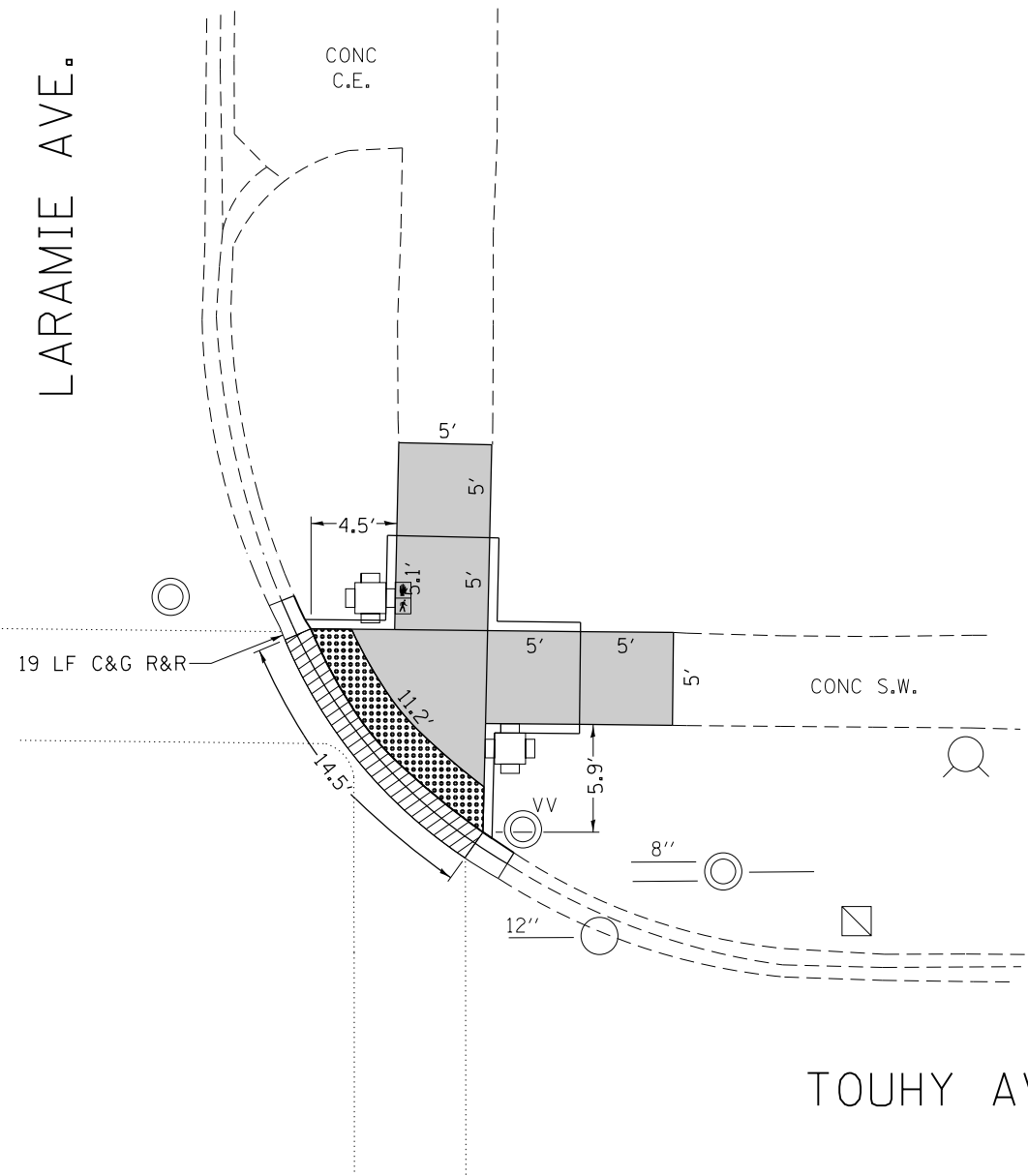
REFERENCE BENCHMARK ELEV 616.384
 BENCHMARK : CUT "Γ" ON SW CORNER T.S. CONC. PAD
 LOCATION : SOUTHWEST CORNER LARAMIE AVE

LEGEND

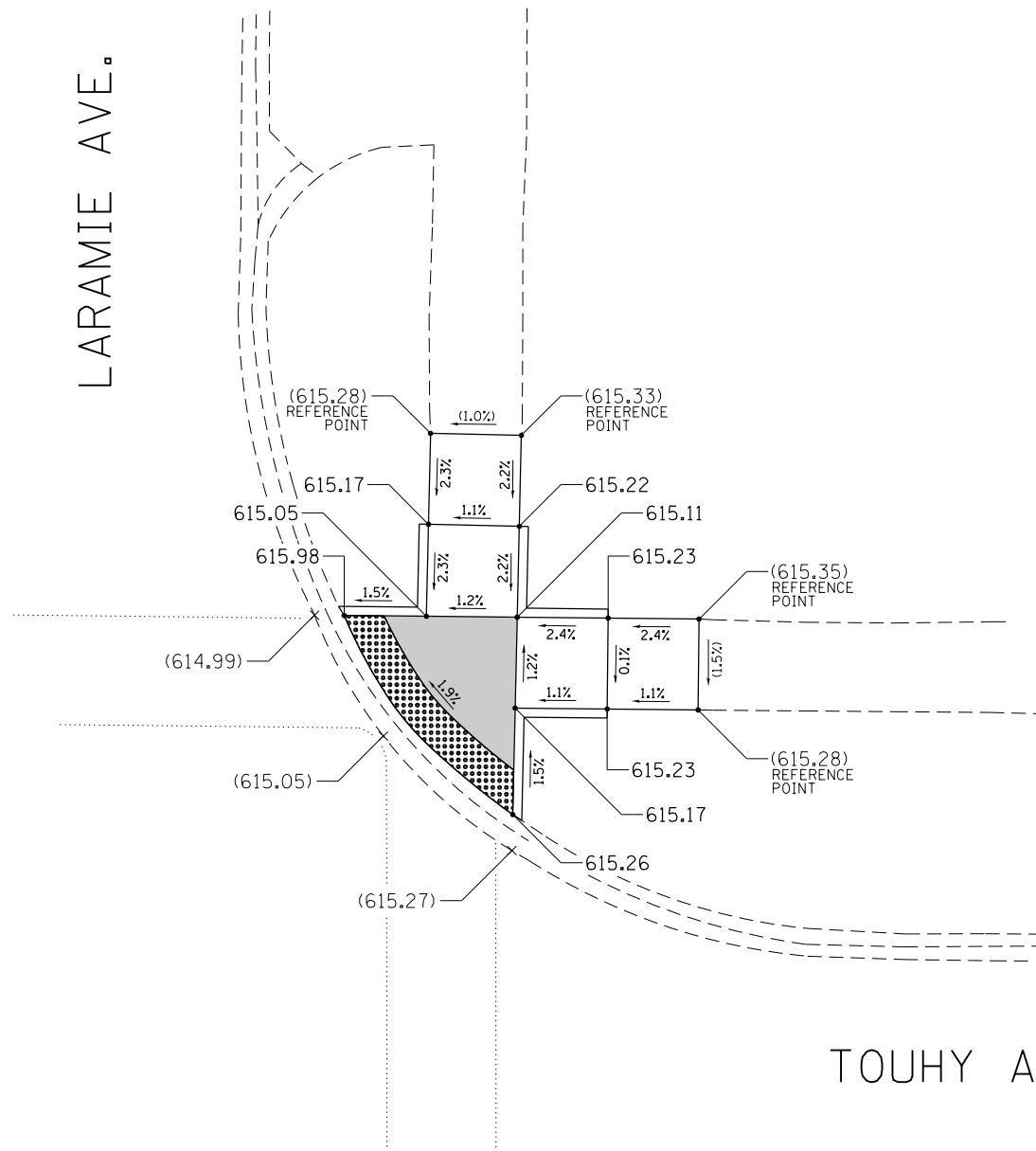
- DETECTABLE WARNING
- LANDING/TURNING SPACE
- () EXISTING ELEVATION/SLOPE
- X EDGE OF PAVEMENT
ELEVATION
- PROPOSED SIDE CURB



LARAMIE AVE.



LARAMIE AVE.



TOUHY AVE.

TOUHY AVE.

LEGEND

- DETECTABLE WARNING
- DEPRESSED CURB & GUTTER
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD
- PROPOSED SIDEWALK
- RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON
- PROPOSED SIDE CURB

LEGEND

- DETECTABLE WARNING
- LANDING/TURNING SPACE
- () EXISTING ELEVATION/SLOPE
- x EDGE OF PAVEMENT ELEVATION
- PROPOSED SIDE CURB

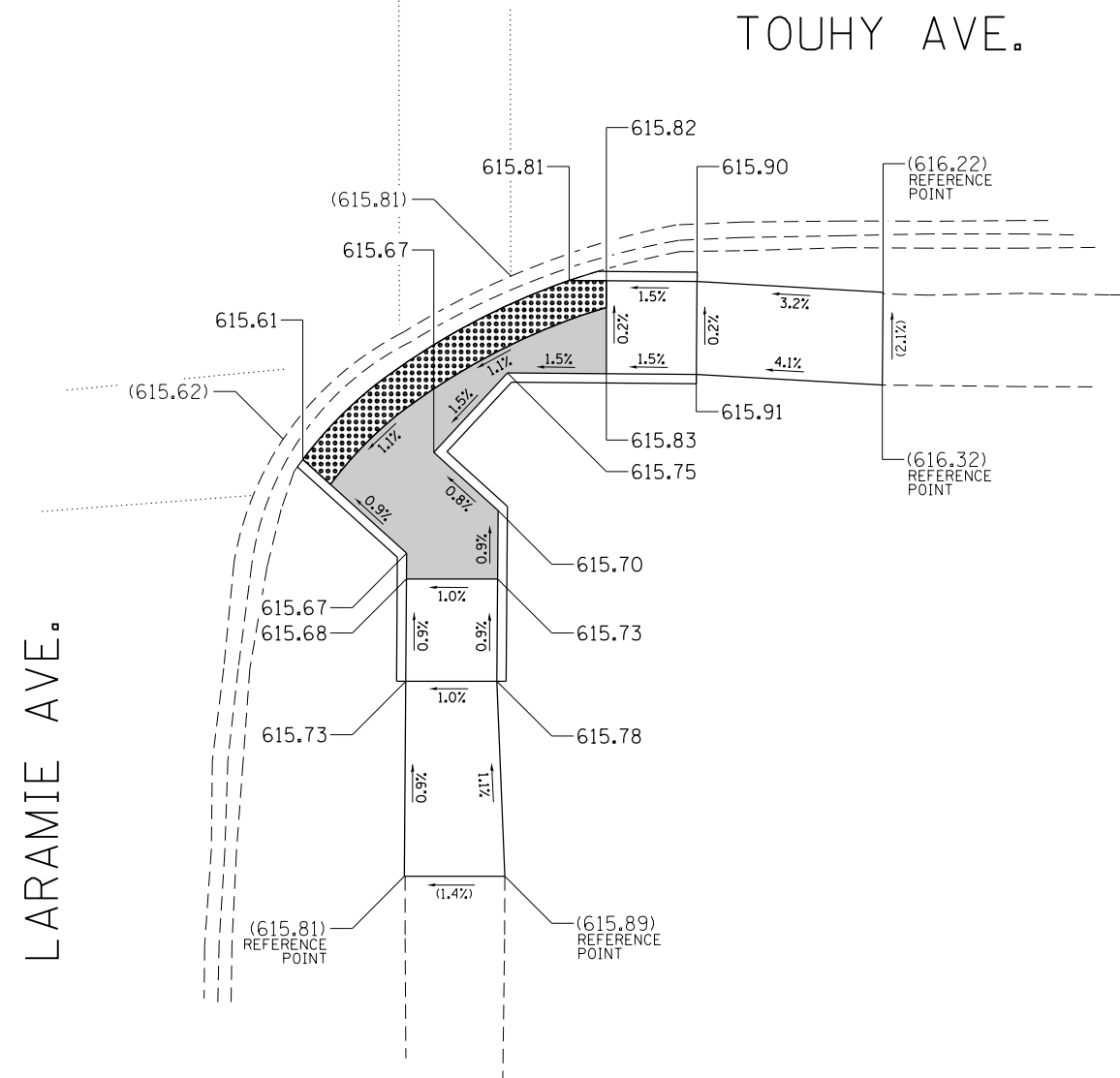
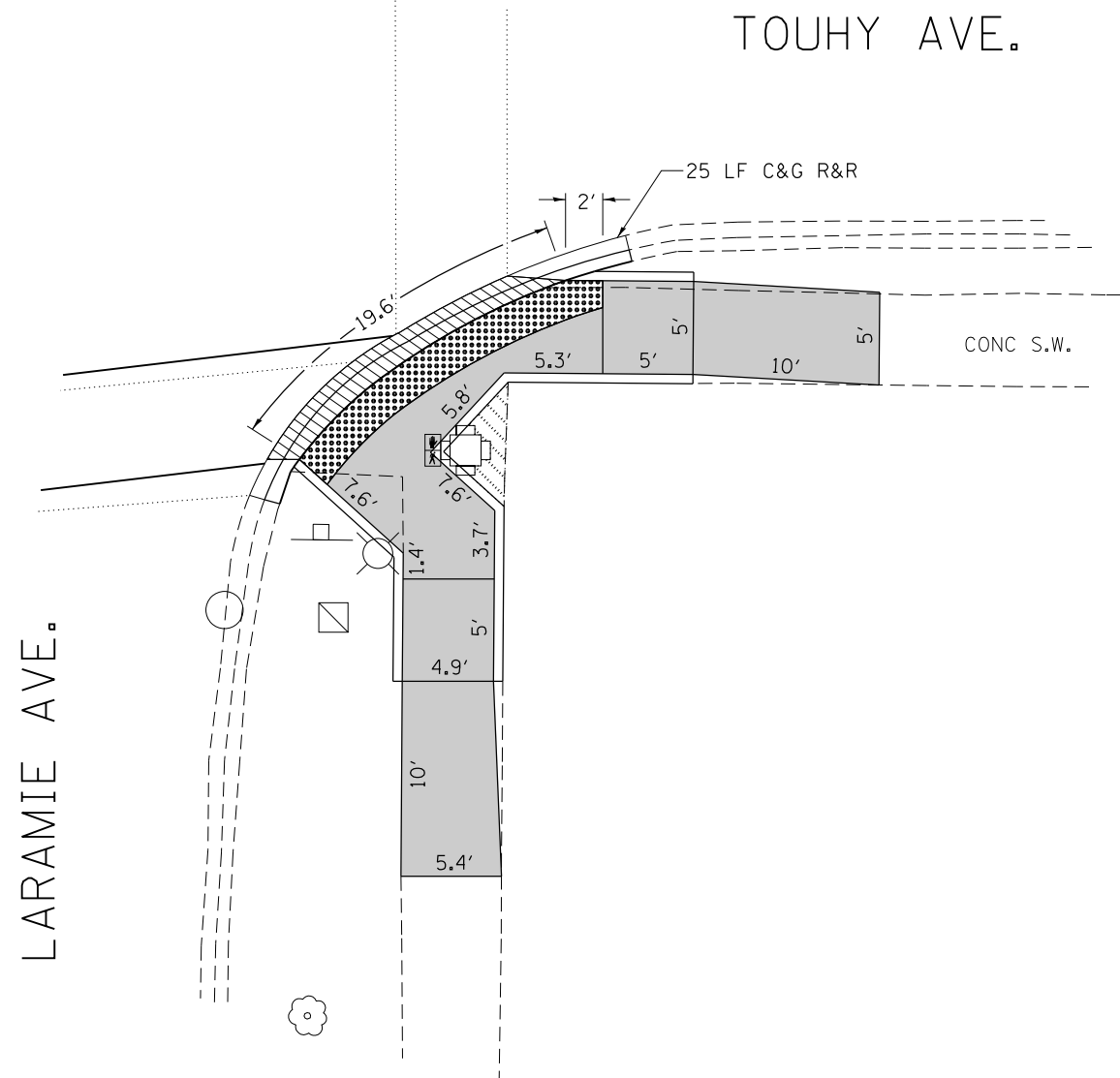
REFERENCE BENCHMARK ELEV 616.384
 BENCHMARK : CUT "Γ" ON SW CORNER T.S. CONC. PAD
 LOCATION : SOUTHWEST CORNER LARAMIE AVE

FILE NAME :	USER NAME : Volichkovv	DESIGNED -	REVISED -
pw\IL084EBID\INTEG\Illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\DI4316\BPR\BPR Data\Design\DI4316-07-shr-details.dwg		CHECKED -	REVISED -
Default	PLOT SCALE = 10.0000' / in.	DATE -	REVISED -
	PLOT DATE = 2/1/2018		







**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CURB RAMP DETAILS			
TOUHY AVENUE AT LARAMIE AVENUE			
SCALE:	SHEET	OF SHEETS	STA. TO STA.






F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
375	2016-044RS	COOK	52	31
			CONTRACT NO. 62D13	
ILLINOIS FED. AID PROJECT				



LEGEND

-  DETECTABLE WARNING
-  DEPRESSED CURB & GUTTER
-  SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD
-  PROPOSED SIDEWALK
-  RELOCATE EXISTING
PEDESTRIAN PUSH-BUTTON
-  PROPOSED SIDE CURB

LEGEND

-  DETECTABLE WARNING
-  LANDING/TURNING SPACE
-  () EXISTING ELEVATION/SLOPE
-  x EDGE OF PAVEMENT
ELEVATION
-  PROPOSED SIDE CURB

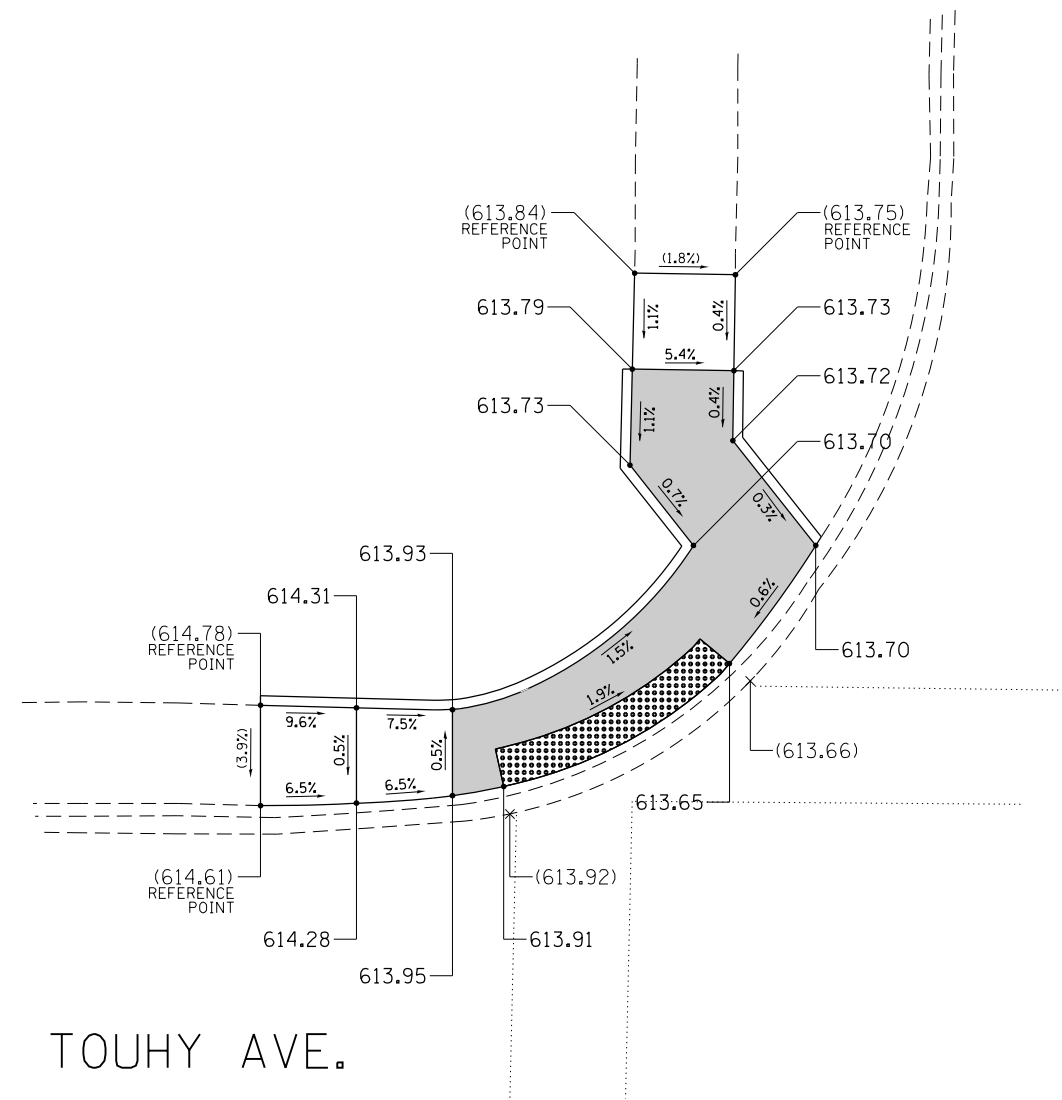
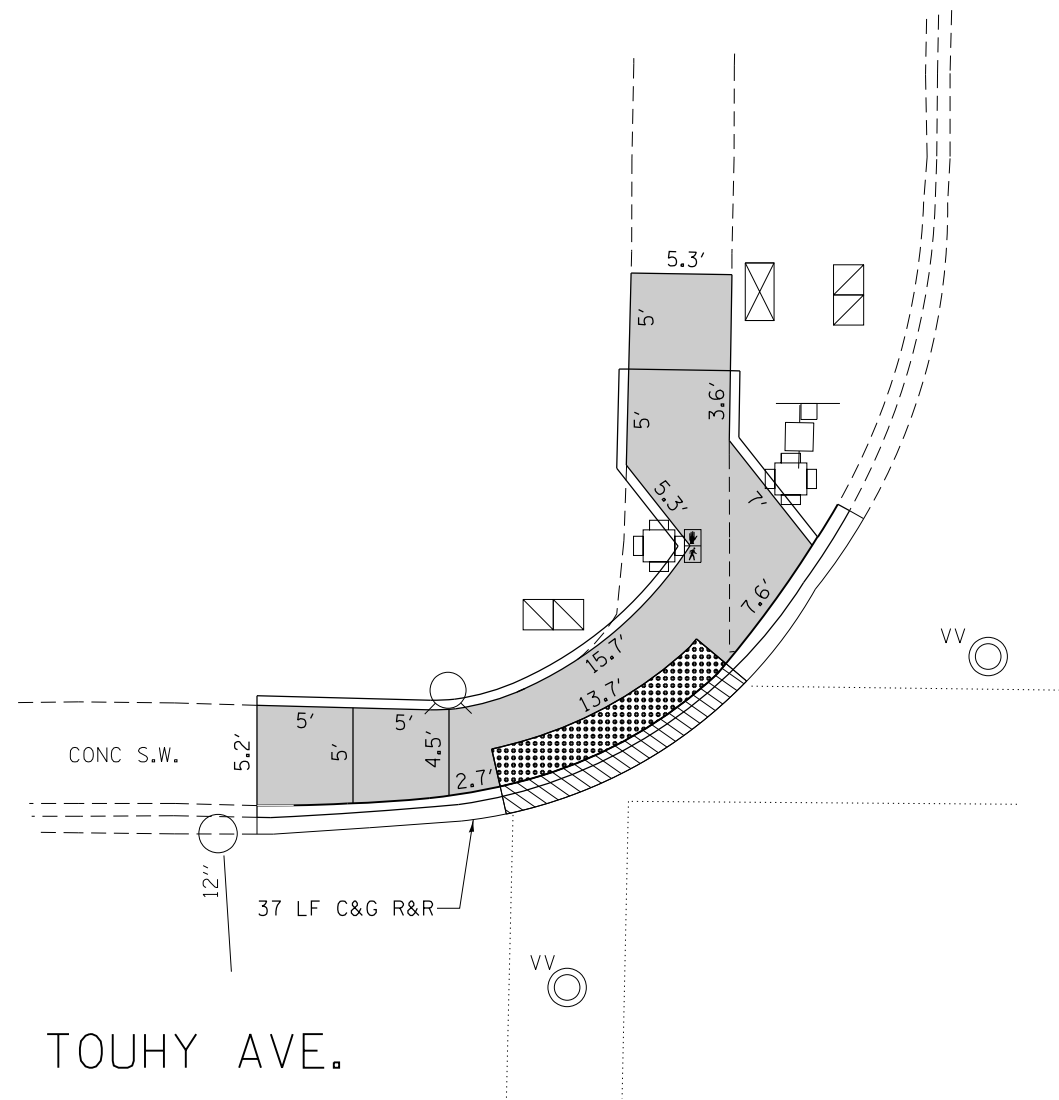
REFERENCE BENCHMARK ELEV 616.384
 BENCHMARK : CUT "Γ" ON SW CORNER T.S. CONC. PAD
 LOCATION : SOUTHWEST CORNER LARAMIE AVE

FILE NAME :	USER NAME = Velichkovv	DESIGNED -	REVISED -
pw\11\084EBID\INTEG\Illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\DI43116\BPR\BPR Data\Design\DI43116-07-sht-details.dwg		CHECKED -	REVISED -
Default	PLOT SCALE = 10.0000' / in.	DATE -	REVISED -
	PLOT DATE = 2/1/2018		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CURB RAMP DETAILS			
TOUHY AVENUE AT LARAMIE AVENUE			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
375	2016-044RS	COOK	52	32
CONTRACT NO. 62D13				
ILLINOIS FED. AID PROJECT				



LECLAIRE AVE.

LECLAIRE AVE.

LEGEND

- DETECTABLE WARNING
- DEPRESSED CURB & GUTTER
- SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD
- PROPOSED SIDEWALK
- RELOCATE EXISTING
PEDESTRIAN PUSH-BUTTON
- PROPOSED SIDE CURB

LEGEND

- DETECTABLE WARNING
- LANDING/TURNING SPACE
- () EXISTING ELEVATION/SLOPE
- x EDGE OF PAVEMENT
ELEVATION
- PROPOSED SIDE CURB

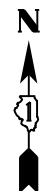
REFERENCE BENCHMARK ELEV 616.662
 BENCHMARK : "X" ON SE BOLT OF FIRE HYDRANT
 LOCATION : NORTHWEST CORNER LECLAIRE AVE

FILE NAME :	USER NAME : Velichkovv	DESIGNED -	REVISED -
pw\11084EBID\INTEG\Illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\DI4316\BPR\BPR Data\Design\DI4316-07-sht-details.dwg		REVISED -	REVISED -
Default	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/1/2018	DATE -	REVISED -

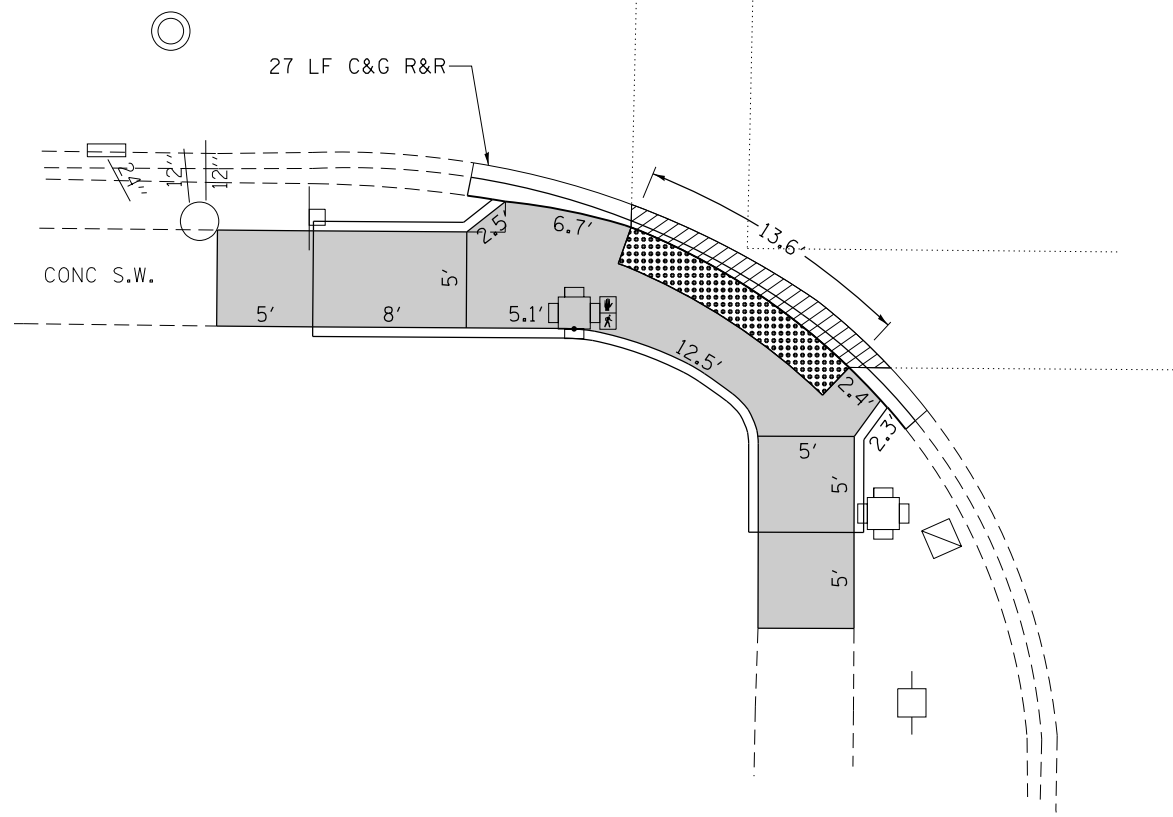
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CURB RAMP DETAILS			
TOUHY AVENUE AT LECLAIRE AVENUE			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
375	2016-044R5	COOK	52	33
CONTRACT NO. 62D13				
ILLINOIS FED. AID PROJECT				

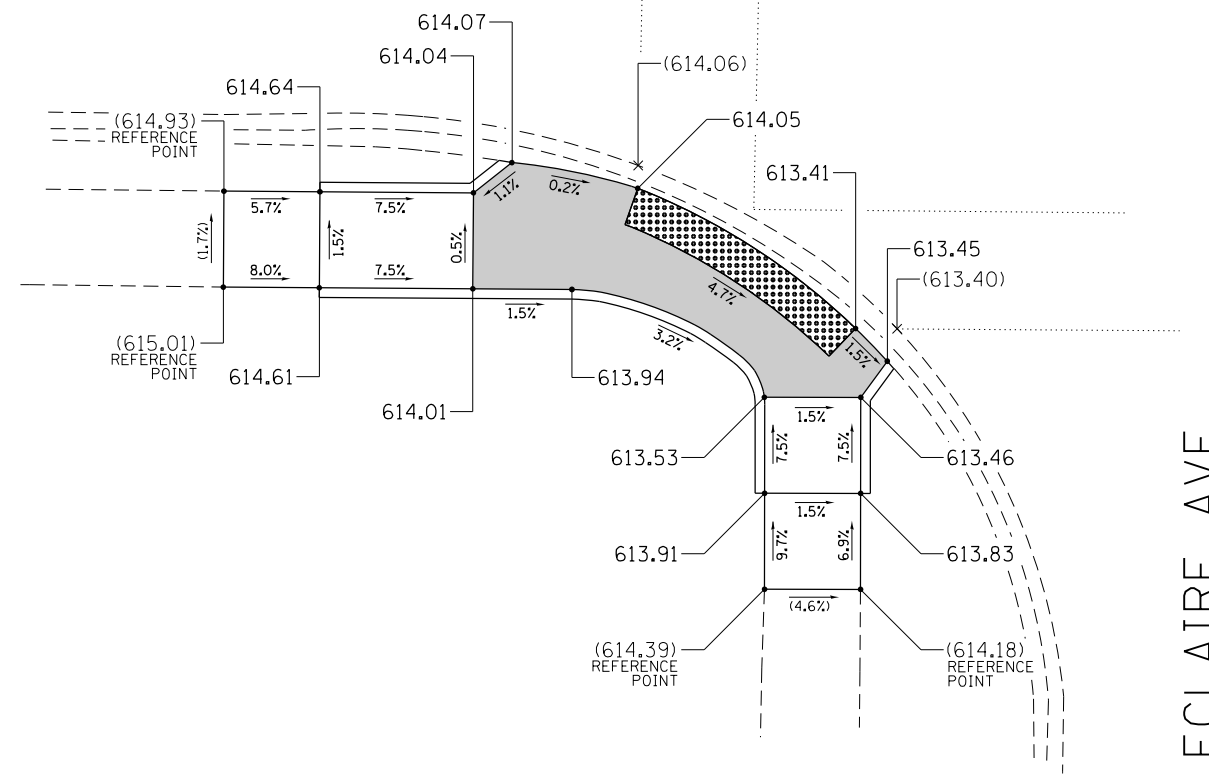


TOUHY AVE.



LECLAIRE AVE.

TOUHY AVE.



LECLAIRE AVE.

LEGEND

- DETECTABLE WARNING
- DEPRESSED CURB & GUTTER
- SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD
- PROPOSED SIDEWALK
- RELOCATE EXISTING
PEDESTRIAN PUSH-BUTTON
- PROPOSED SIDE CURB

LEGEND

- DETECTABLE WARNING
- LANDING/TURNING SPACE
- () EXISTING ELEVATION/SLOPE
- EDGE OF PAVEMENT
ELEVATION
- PROPOSED SIDE CURB

REFERENCE BENCHMARK ELEV 616.662
 BENCHMARK : "X" ON SE BOLT OF FIRE HYDRANT
 LOCATION : NORTHWEST CORNER LECLAIRE AVE

FILE NAME :	USER NAME = Volichkovv	DESIGNED -	REVISED -
pw\11084EBID\INTEG\Illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\DI43116\BPR\BPRData\Design\DI43116-07-sht-details.dwg		CHECKED -	REVISED -
Default	PLOT SCALE = 10.0000' / in.	DATE -	REVISED -
	PLOT DATE = 2/1/2018		

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

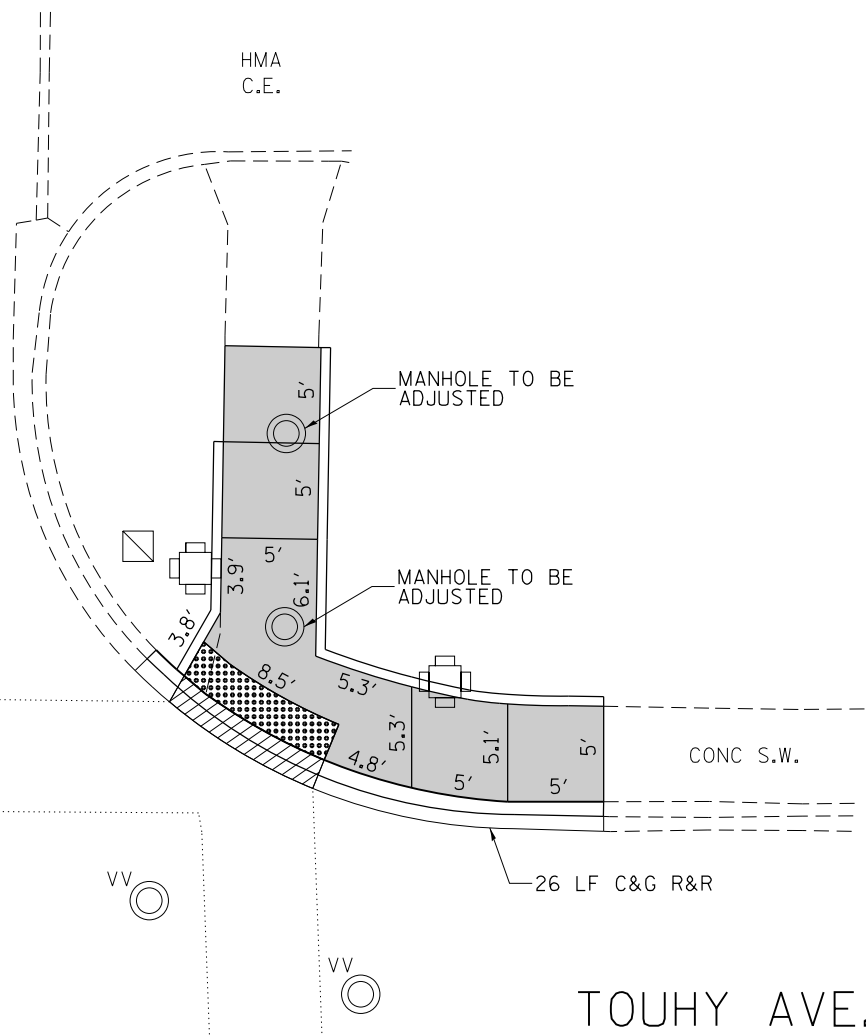
CURB RAMP DETAILS
 TOUHY AVENUE AT LECLAIRE AVENUE

SCALE: SHEET OF SHEETS STA. TO STA.

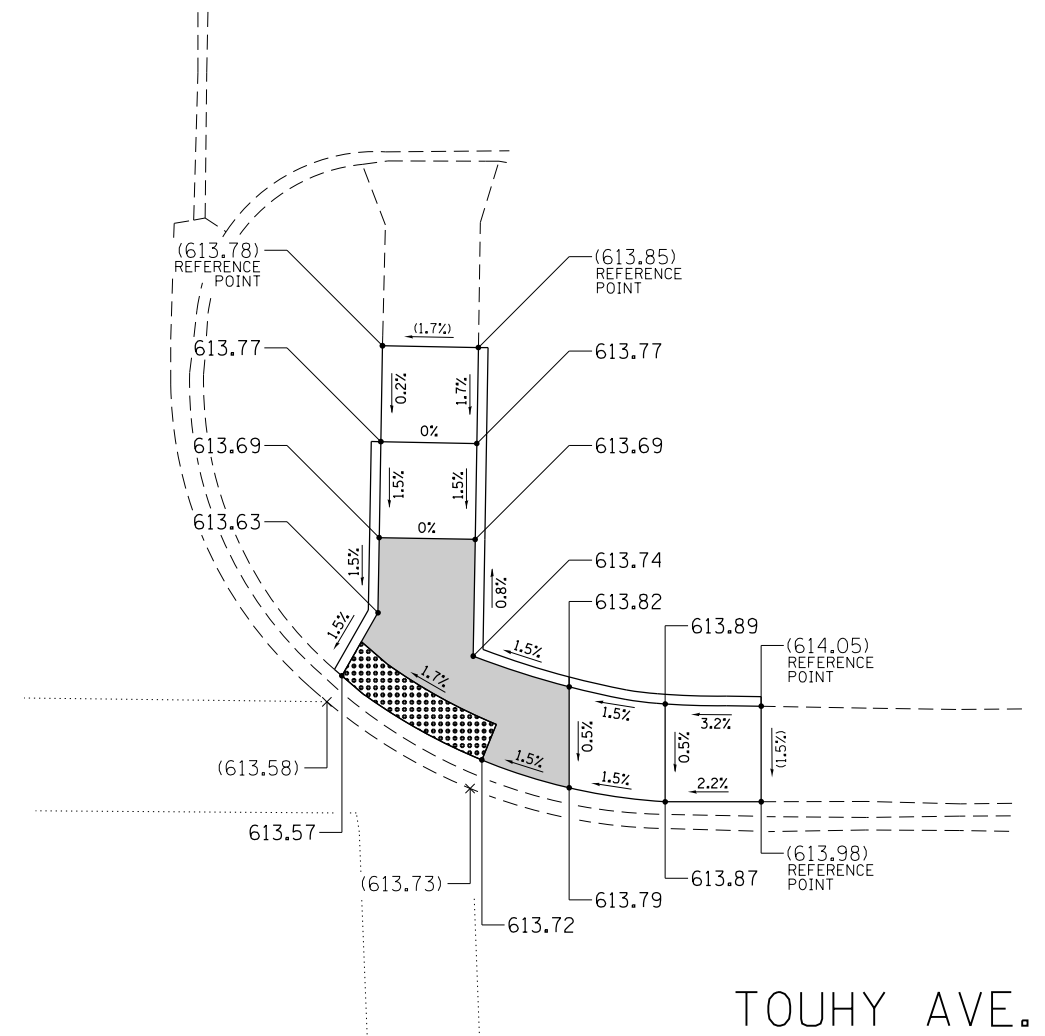
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
375	2016-044RS	COOK	52	34
			CONTRACT NO. 62D13	
ILLINOIS FED. AID PROJECT				









LECLAIRE AVE.








LECLAIRE AVE.



LEGEND

-  DETECTABLE WARNING
-  DEPRESSED CURB & GUTTER
-  SIDEWALK REMOVAL
REPLACE W/TOPSOIL & SOD
-  PROPOSED SIDEWALK
-  RELOCATE EXISTING
PEDESTRIAN PUSH-BUTTON
-  PROPOSED SIDE CURB

LEGEND

-  DETECTABLE WARNING
-  LANDING/TURNING SPACE
-  () EXISTING ELEVATION/SLOPE
-  x EDGE OF PAVEMENT
ELEVATION
-  PROPOSED SIDE CURB

REFERENCE BENCHMARK ELEV 616.662
 BENCHMARK : "X" ON SE BOLT OF FIRE HYDRANT
 LOCATION : NORTHWEST CORNER LECLAIRE AVE

FILE NAME :	USER NAME : Volichkovv	DESIGNED -	REVISED -
pw\11084EBIDINTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\DI4316-07-shr-details.dwg		DESIGNED -	REVISED -
Default	PLOT SCALE = 10.0000' / 1"	CHECKED -	REVISED -
	PLOT DATE = 2/1/2018	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

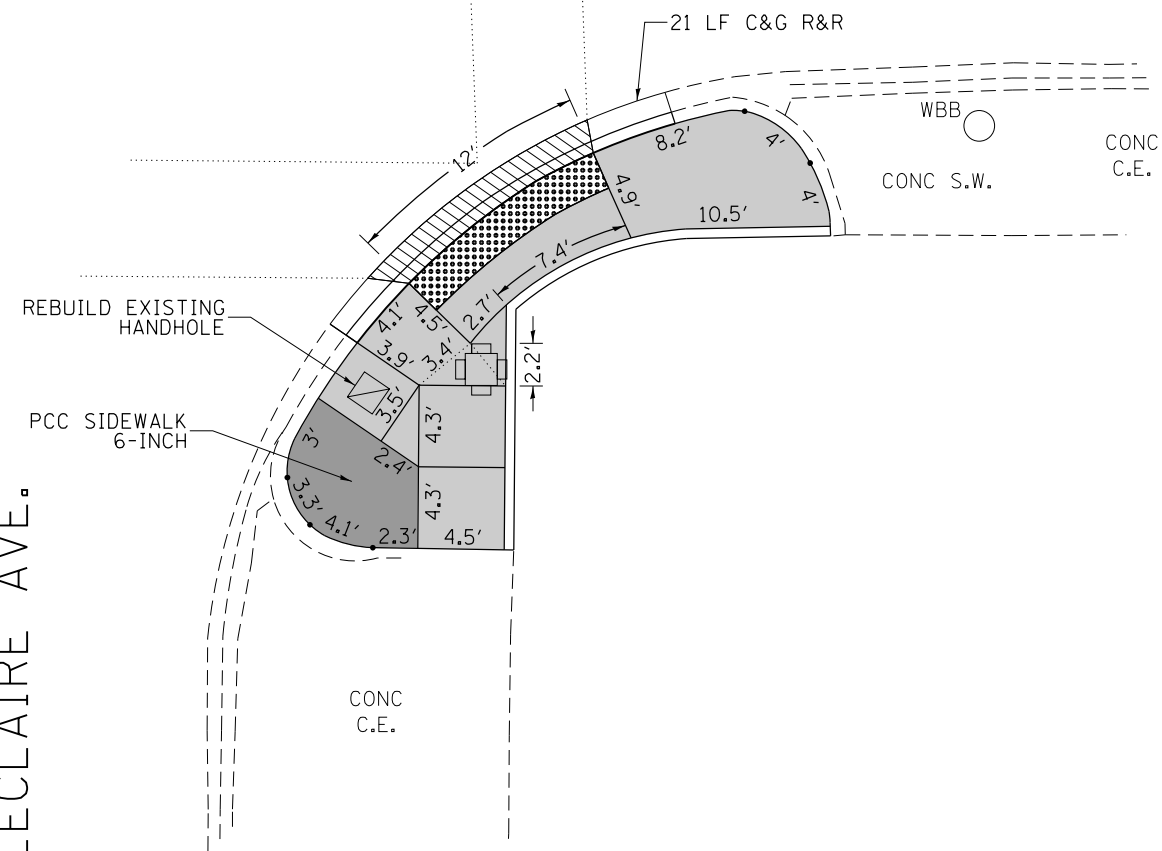
CURB RAMP DETAILS			
TOUHY AVENUE AT LECLAIRE AVENUE			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
375	2016-044RS	COOK	52	35
CONTRACT NO. 62D13				
ILLINOIS FED. AID PROJECT				



TOUHY AVE.

LECLAIRE AVE.



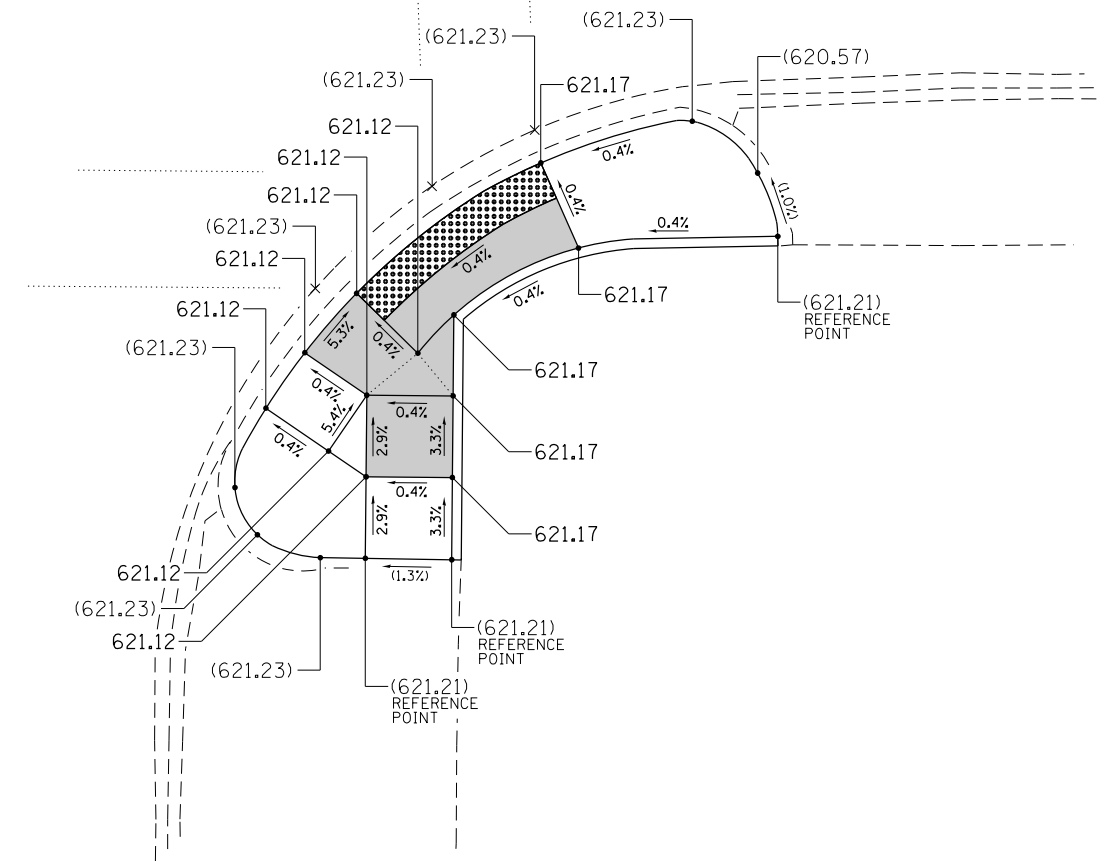
LEGEND

- DETECTABLE WARNING
- DEPRESSED CURB & GUTTER
- SIDEWALK REMOVAL REPLACE W/TOPSOIL & SOD
- PROPOSED SIDEWALK, PCC 5"
- PROPOSED SIDEWALK, PCC 6"
- RELOCATE EXISTING PEDESTRIAN PUSH-BUTTON
- PROPOSED SIDE CURB

REFERENCE BENCHMARK ELEV 616.662
 BENCHMARK : "X" ON SE BOLT OF FIRE HYDRANT
 LOCATION : NORTHWEST CORNER LECLAIRE AVE

TOUHY AVE.

LECLAIRE AVE.



LEGEND

- DETECTABLE WARNING
- LANDING/TURNING SPACE
- () EXISTING ELEVATION/SLOPE
- EDGE OF PAVEMENT ELEVATION
- PROPOSED SIDE CURB

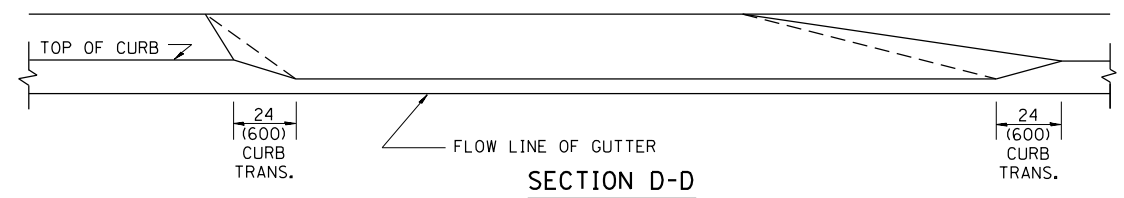
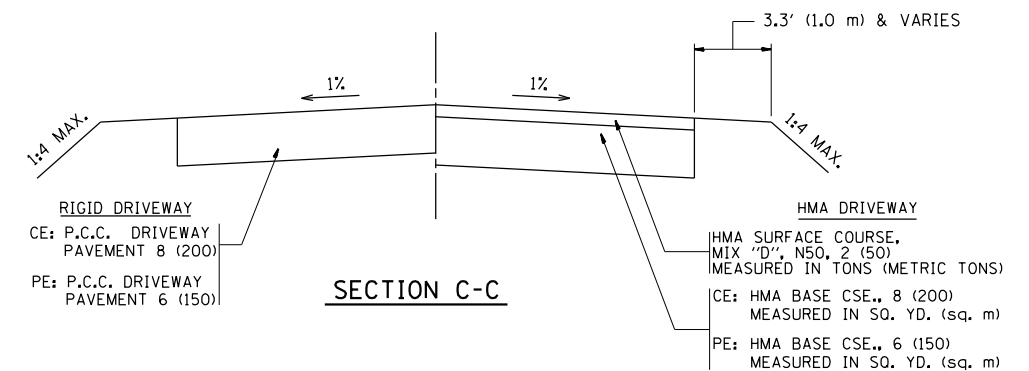
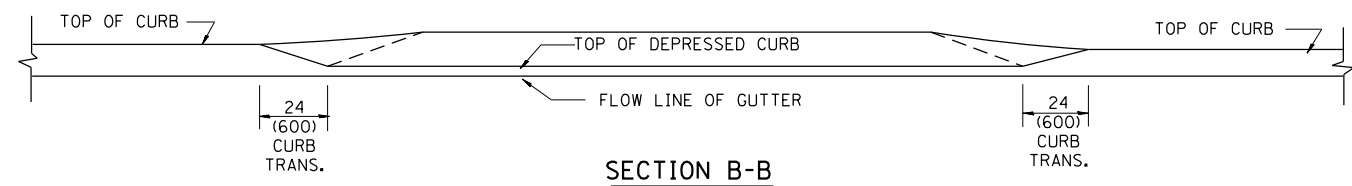
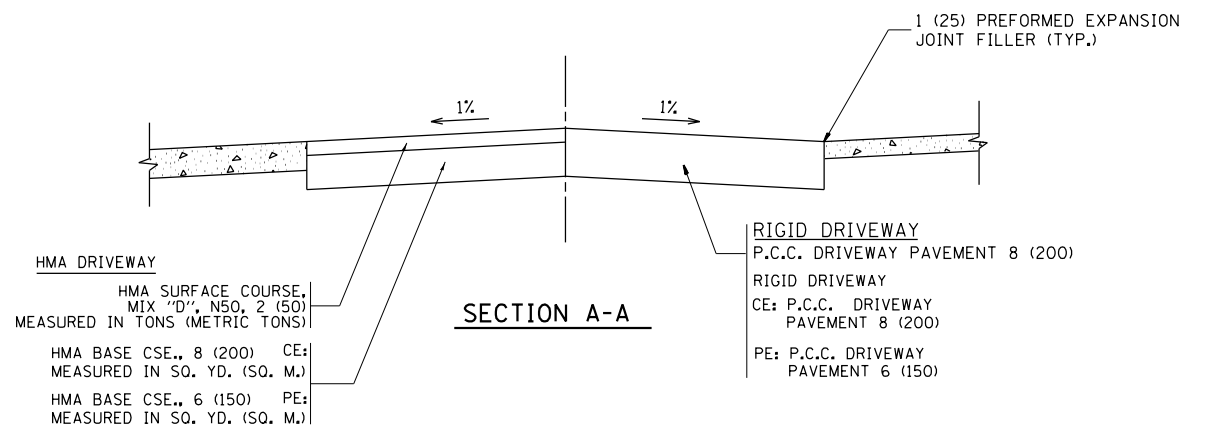
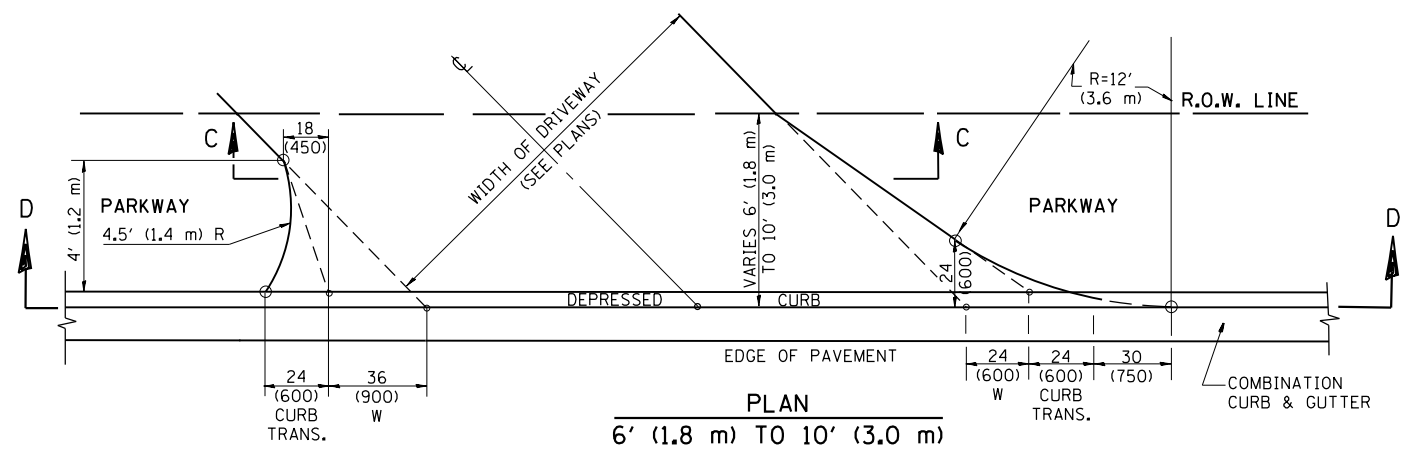
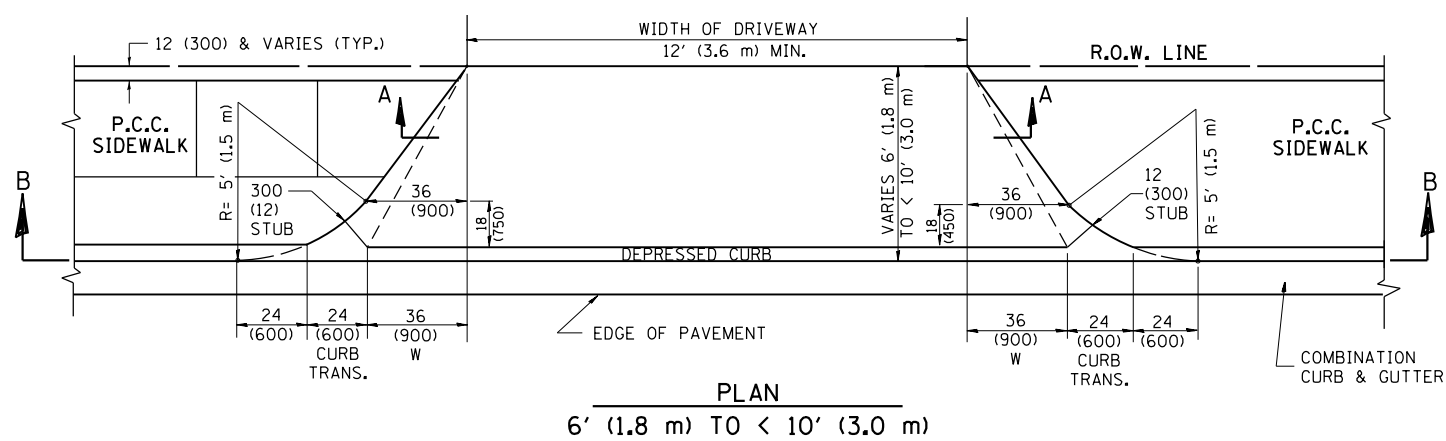
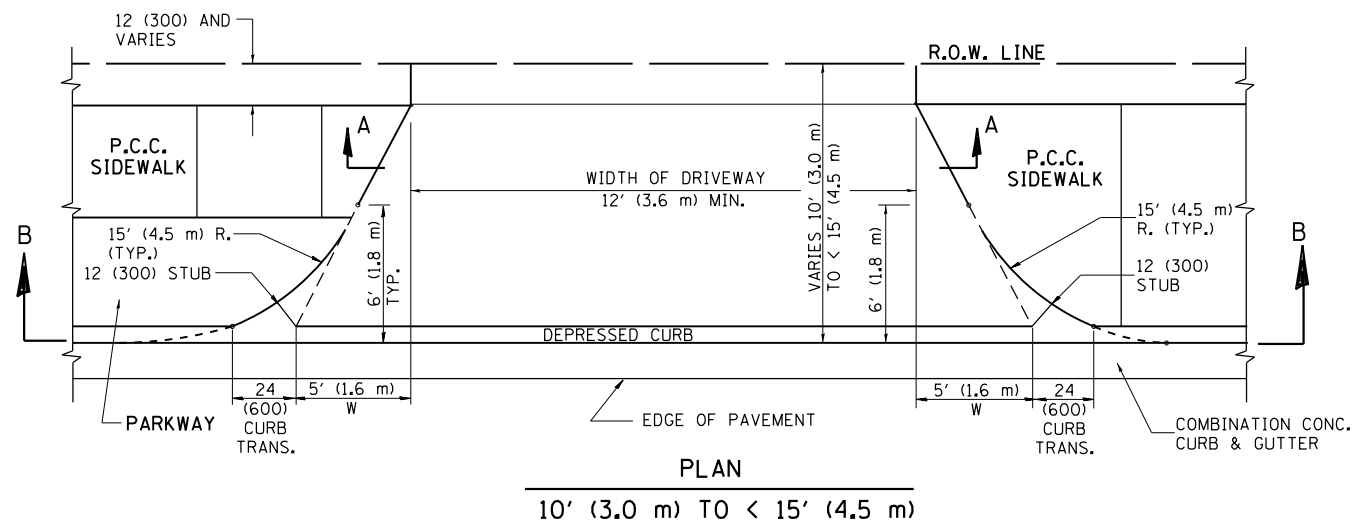
FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED -
pw\IL\084EBID\INTEG\Illinois.gov\PIDOT\Documents\DOT Offices\District 1\Projects\DI43116\Bldg\BldgData\Design\DI43116-07-shr-details.dwg		REVISOR -	REVISED -
Default	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/1/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB RAMP DETAILS
TOUHY AVENUE AT LECLAIRE AVENUE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
375	2016-044R5	COOK	52	36
CONTRACT NO. 62D13				
ILLINOIS FED. AID PROJECT				



GENERAL NOTES

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

THE 1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

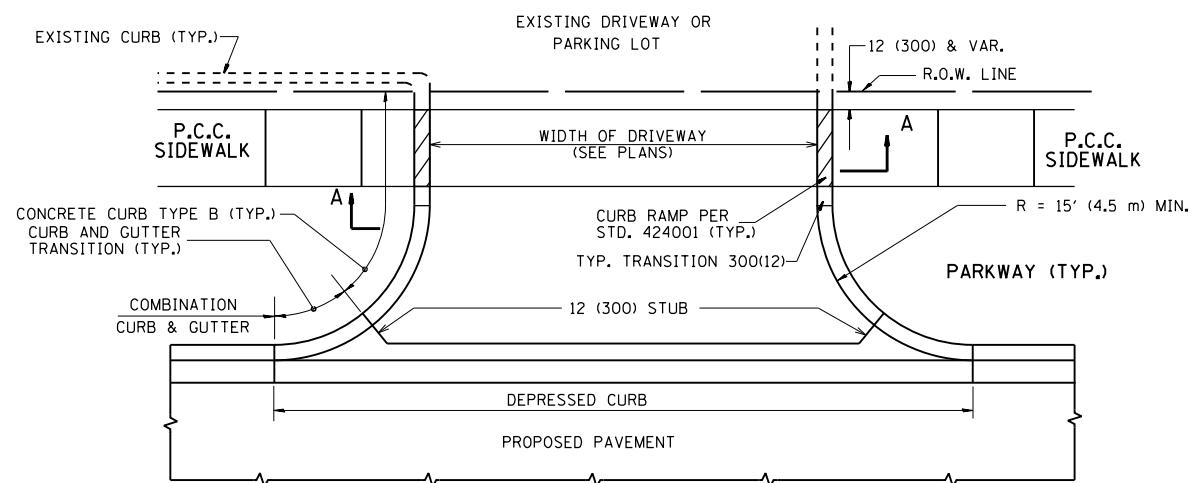
"W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

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

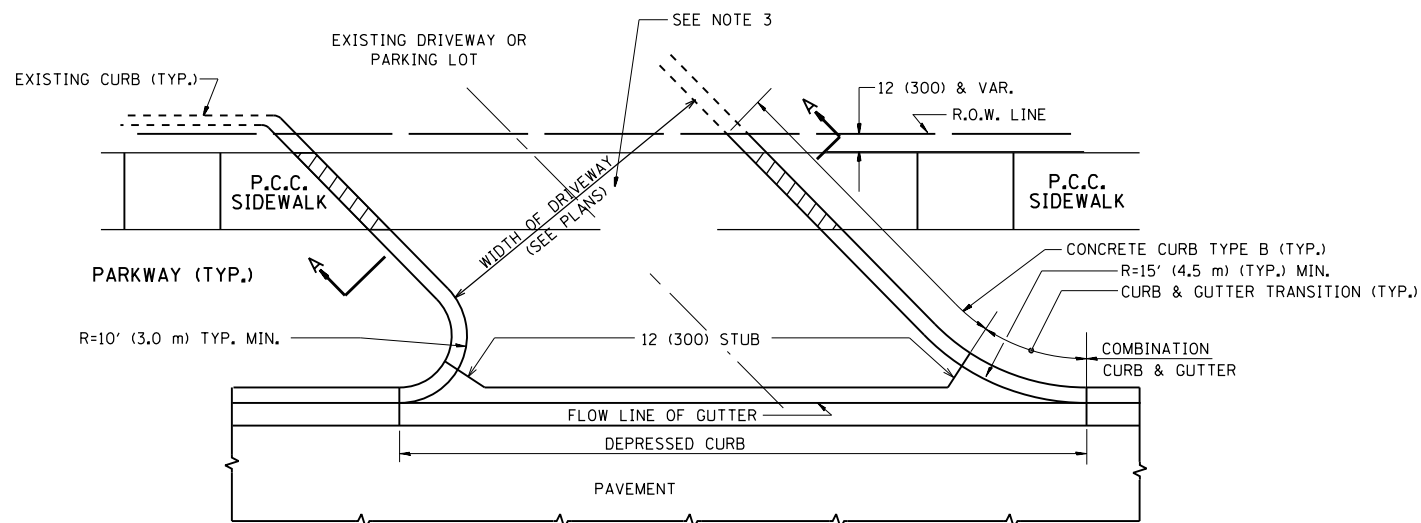
FILE NAME =	USER NAME = Velichkovv	DESIGNED - R. SHAH	REVISED - M. GOMEZ 04-06-01
p:\1\084EBIDINTEG.illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\01431\Drawings\Design\Diststd.dgn		CHECKED -	REVISED - P. LaFLEUR 04-15-03
		DATE - 11-06-95	REVISED - R. BORO 01-01-07
			REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

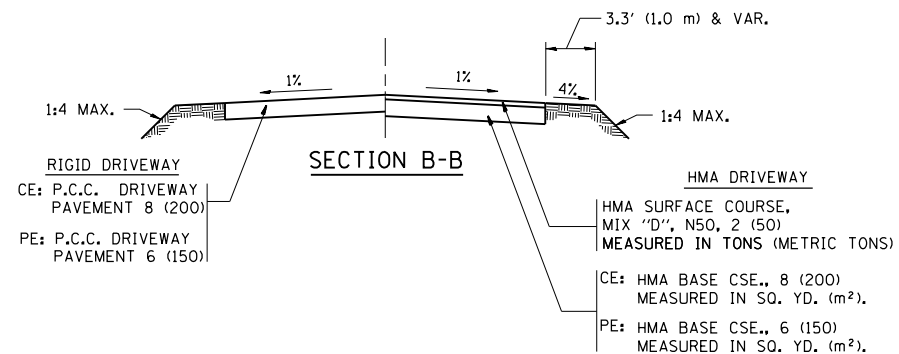
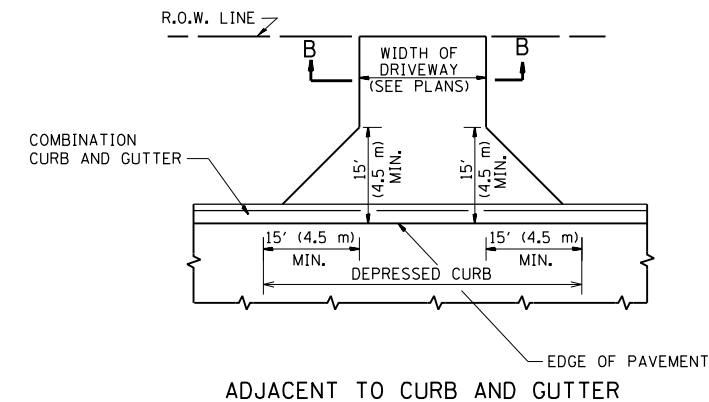
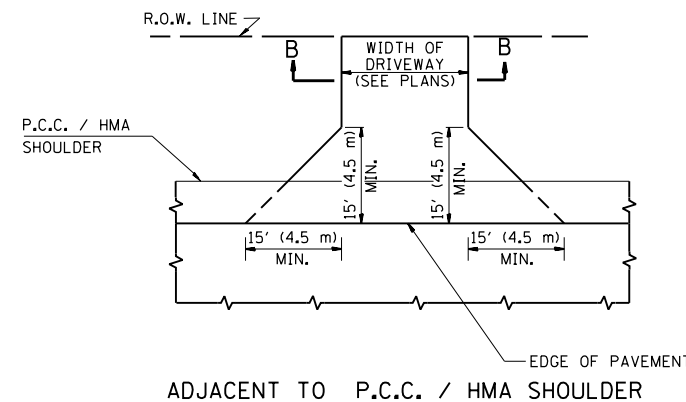
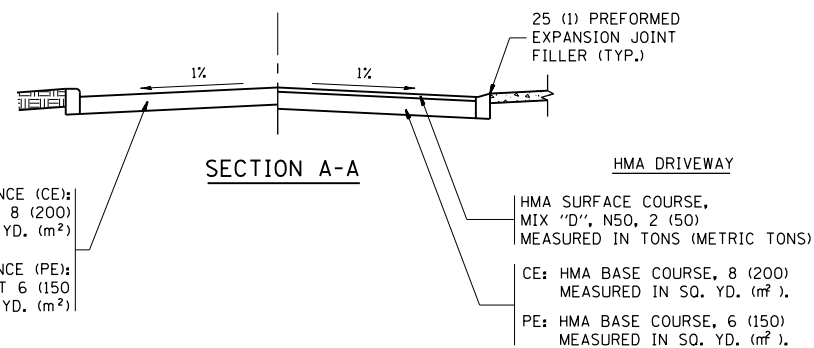
DRIVEWAY DETAILS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)		375	2016-044RS	COOK	52	37
SCALE: NONE		BD400-02 (BD-02)		CONTRACT NO. 62D13		
SHEET NO. 1 OF 1 SHEETS		STA. TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		



WITH CONCRETE CURB, TYPE B



WITH CONCRETE CURB, TYPE B



RURAL FIELD ENTRANCE (FE)
HMA SURFACE COURSE,
MIX "D", N50, 2 (50)
MEASURED IN TONS (METRIC TONS)
AGGREGATE BASE CSE., TYPE B, 8 (200)
MEASURED IN SQ. YD. (m²).

GENERAL NOTES:

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

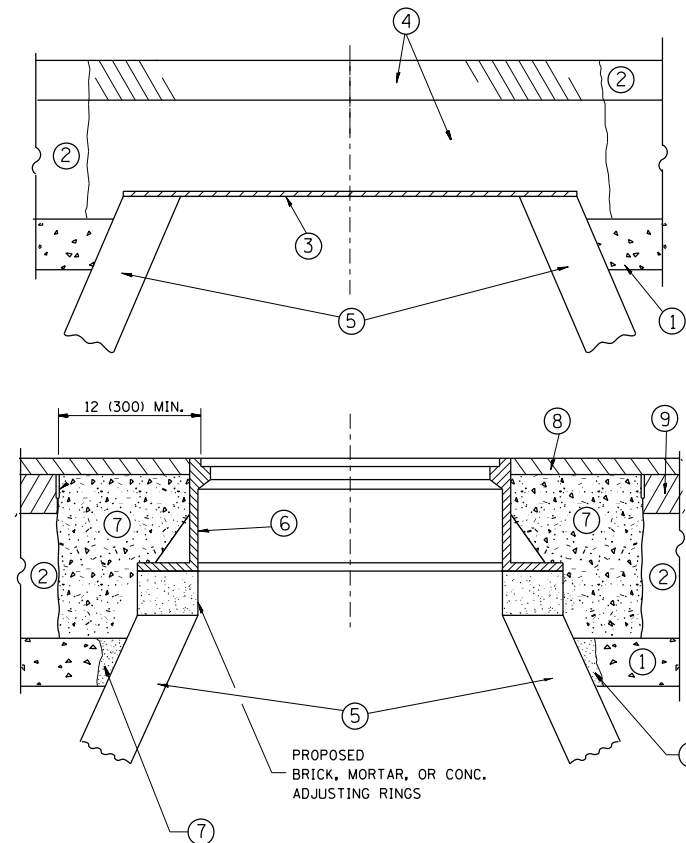
WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

FILE NAME =	USER NAME = Velichkovv	DESIGNED - R. SHAH	REVISED - P. LaFLUER 04-15-03
pw\1\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\014311\Drawings\Design\Diststd.dgn		CHECKED -	REVISED - R. BORO 01-01-07
PLOT SCALE = 100.0000' / 1"		DATE - 11-04-95	REVISED - R. BORO 06-11-08
PLOT DATE = 2/1/2018			REVISED - R. BORO 09-06-11

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
375	2016-044R5	COOK	52	38
BD0156-07 (BD-01)		CONTRACT NO. 62D13		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

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

STAGE 2 (AFTER PAVEMENT MILLING)

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

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

LEGEND

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

LOCATION OF STRUCTURES:

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

BASIS OF PAYMENT:

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

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

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

NOTES:

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

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

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

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

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

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

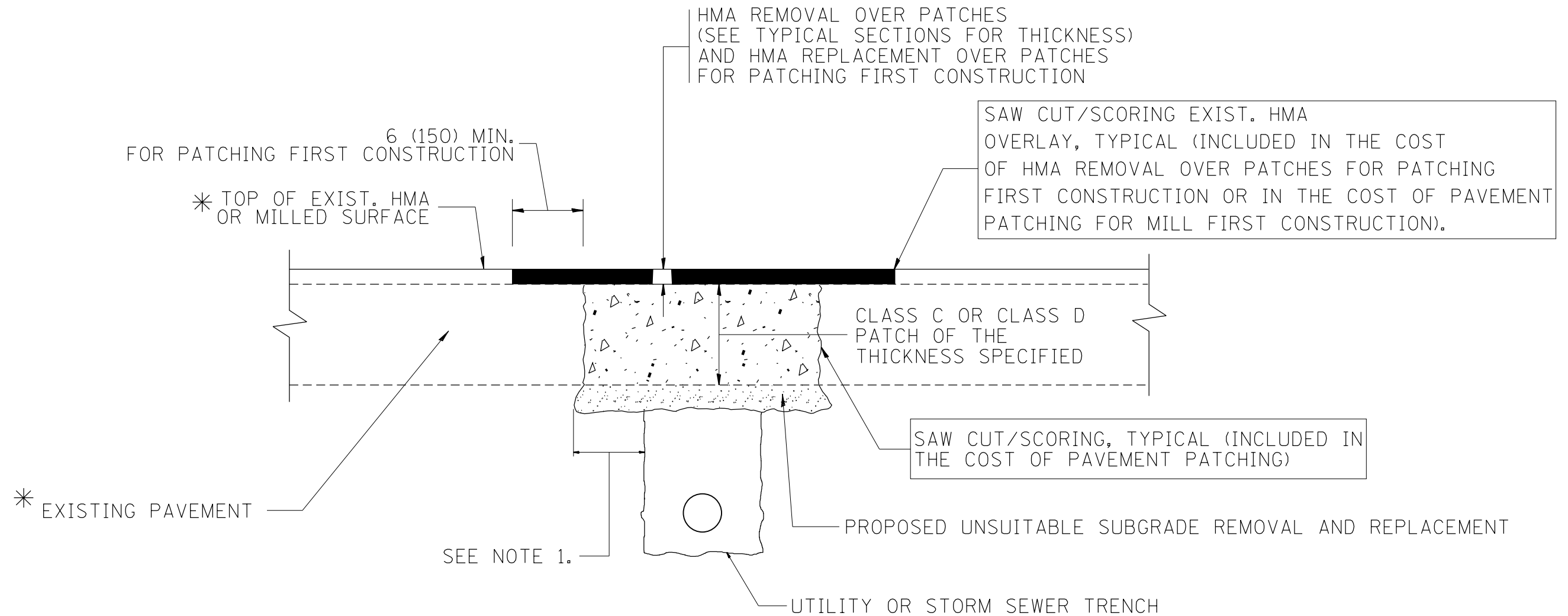
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = Velichkovv	DESIGNED - R. SHAH	REVISED - R. WIEDEMAN 05-14-04
pw:\IL\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\1431\Drawings\Design\Diststd.dgn		CHECKED -	REVISED - R. BORO 01-01-07
		DATE - 10-25-94	REVISED - R. BORO 03-09-11
			REVISED - R. BORO 12-06-11

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
375	2016-044RS	COOK	52	39
BD600-03 (BD-8)		CONTRACT NO. 62D13		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

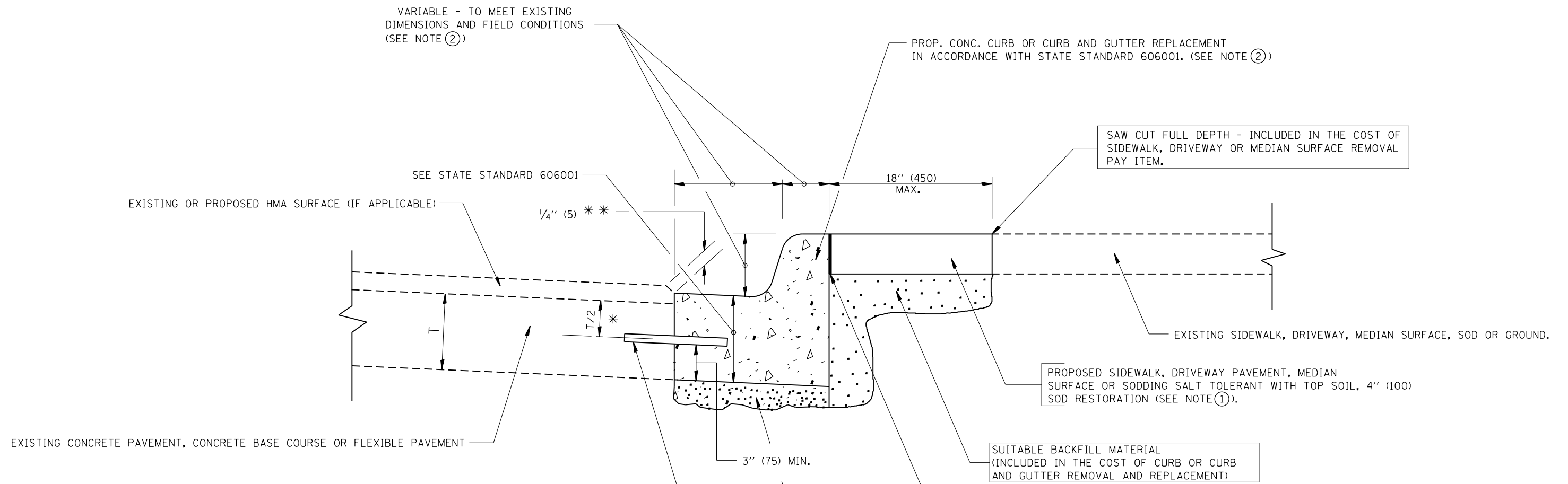
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

FILE NAME =	USER NAME = Velichkovv	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\DI431\Drawings\Design\Diststd.dgn		CHECKED -	REVISED - R. BORO 01-01-07					375	2016-044R5	COOK	52	40
PLOT SCALE = 100.0000' / 1in.		DATE - 10-25-94	REVISED - R. BORO 09-04-07		BD400-04 (BD-22)			CONTRACT NO. 62D13				
PLOT DATE = 2/1/2018			REVISED - K. ENG 10-27-08		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			

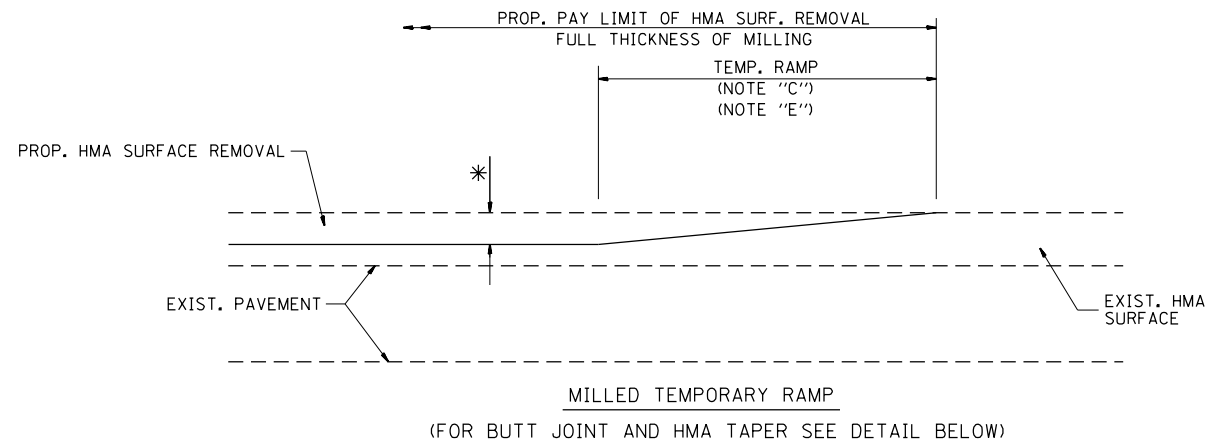


- VARIABLE - TO MEET EXISTING DIMENSIONS AND FIELD CONDITIONS (SEE NOTE ②)
- SEE STATE STANDARD 606001
- EXISTING OR PROPOSED HMA SURFACE (IF APPLICABLE)
- 1/4" (5) **
- 18" (450) MAX.
- EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT
- T/2 *
- 3" (75) MIN.
- PROPOSED SIDEWALK, DRIVEWAY PAVEMENT, MEDIAN SURFACE OR SODDING SALT TOLERANT WITH TOP SOIL, 4" (100) SOD RESTORATION (SEE NOTE ①).
- 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.)
- 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.
- PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).
- BASIS OF PAYMENT:
THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".
- * 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
- ** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.
- NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.
SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY.
- ② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED
- ③ CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.
- ④ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.
- ⑤ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.
- ⑥ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.
- ⑦ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.
- ⑧ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

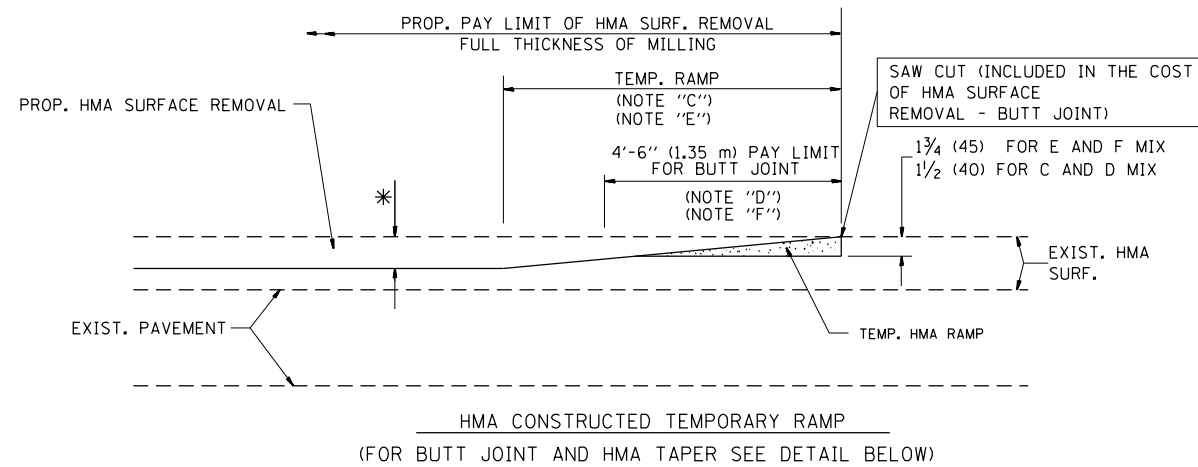
CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

FILE NAME =	USER NAME = Velichkovv	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.
pw:\IL\084EBIDINTEG\illinois.gov\PWIDOT\Documents\DOT Offices\District 1\Projects\014311\Drawings\Design\Diststd.dgn			REVISED - A. ABBAS 03-21-97					375	2016-044RS	COOK	52	41
PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - M. GOMEZ 01-22-01			BD600-06 (BD-24)		CONTRACT NO. 62D13					
PLOT DATE = 2/1/2018	DATE - 03-11-94	REVISED - R. BORO 12-15-09			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			

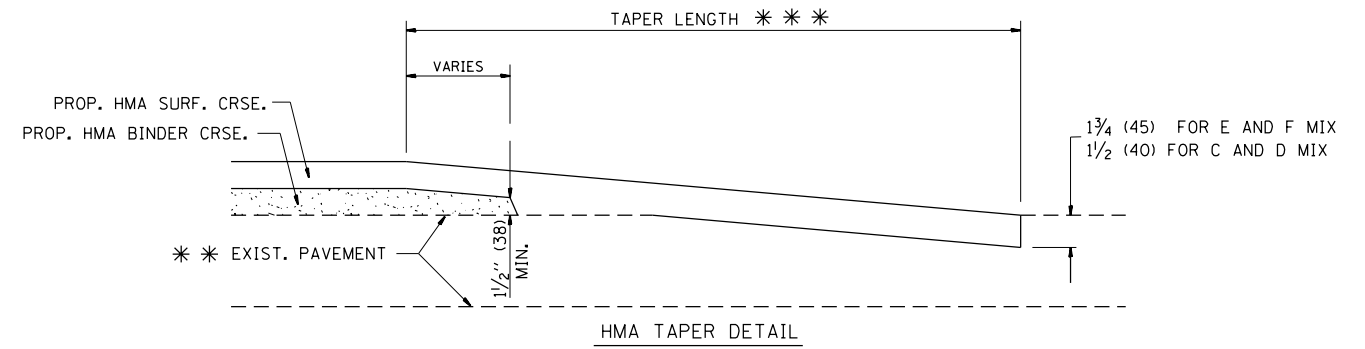
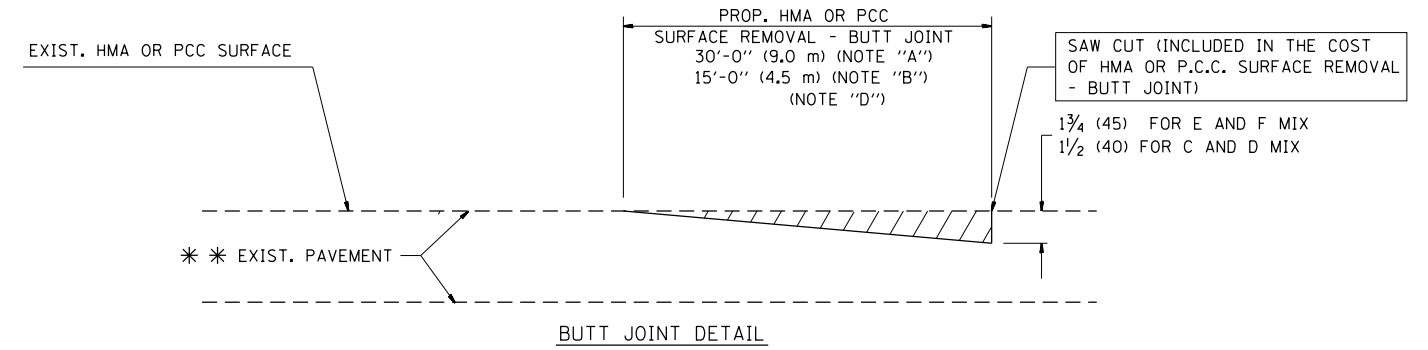


OPTION 1



OPTION 2

TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

* * PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

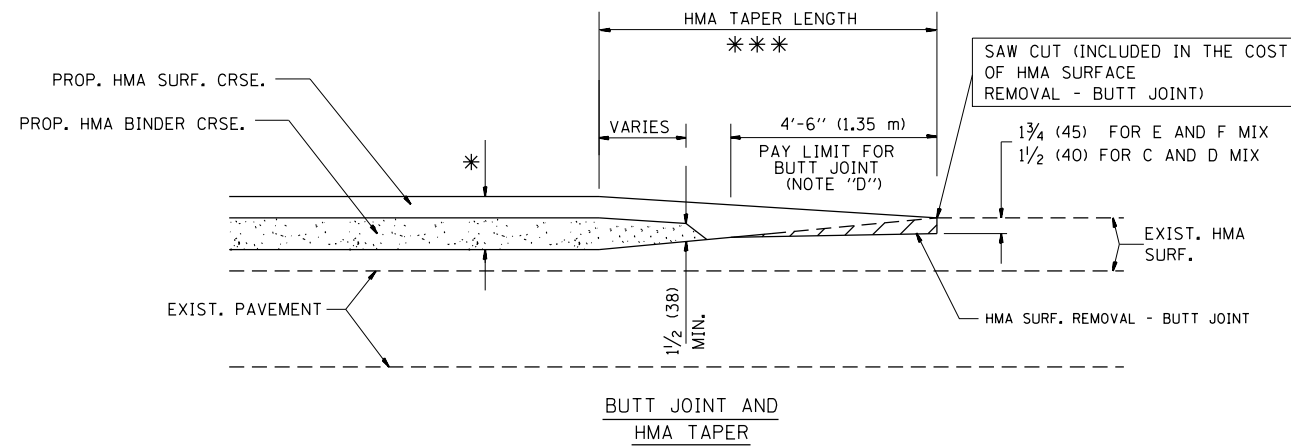
NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
 - B: MINOR SIDE ROADS.
 - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
 - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
 - E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
 - F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
 - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- * * * 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

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



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

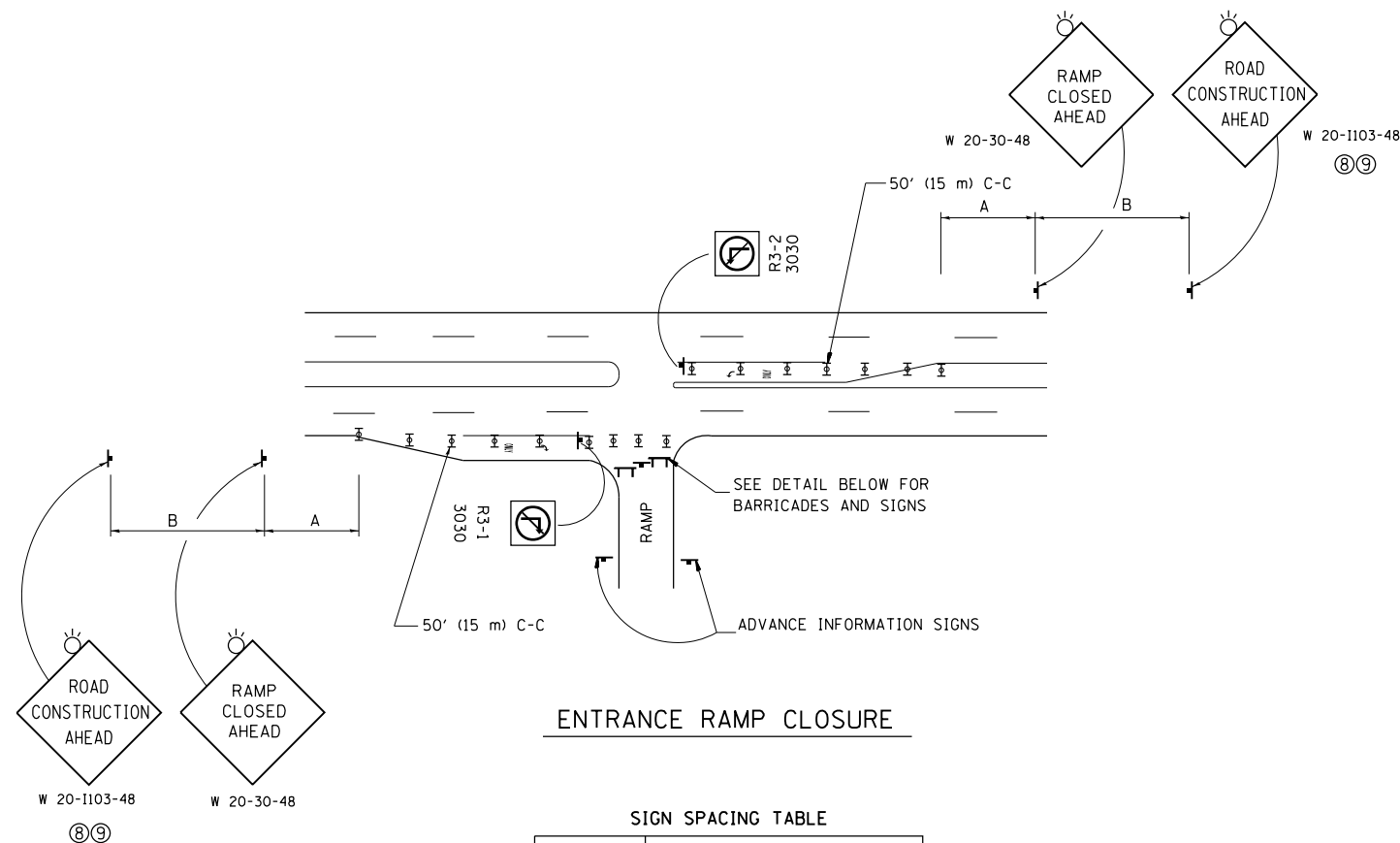
FILE NAME =	USER NAME = Velichkovv	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
p:\1\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\01431\Drawings\Design\Diststd.dgn			REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 2/1/2018	DATE - 06-13-90	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND
HMA TAPER DETAILS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
375	2016-044RS	COOK	52	42
BD400-05 BD32		CONTRACT NO. 62D13		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

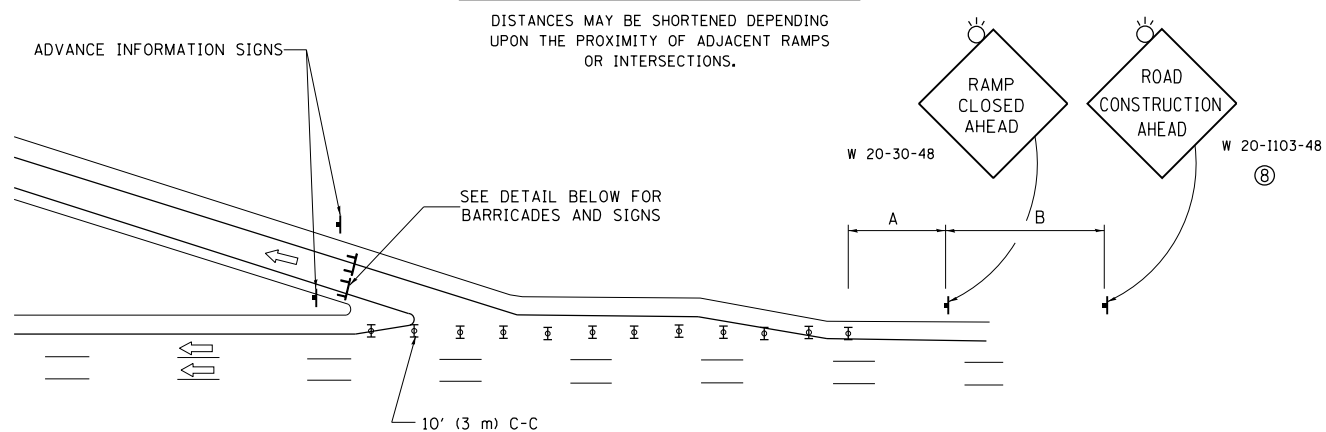


ENTRANCE RAMP CLOSURE

SIGN SPACING TABLE

FACILITY	DISTANCE BETWEEN SIGNS	
	A	B
EXPRESSWAY >24 HOURS	1000' (300 m)	1500' (450 m)
EXPRESSWAY <24 HOURS	500' (150 m)	500' (150 m)
ARTERIAL 55 MPH	500' (150 m)	500' (150 m)
ARTERIAL 50-45 MPH	350' (100 m)	350' (100 m)
ARTERIAL <45 MPH	200' (60 m)	200' (60 m)

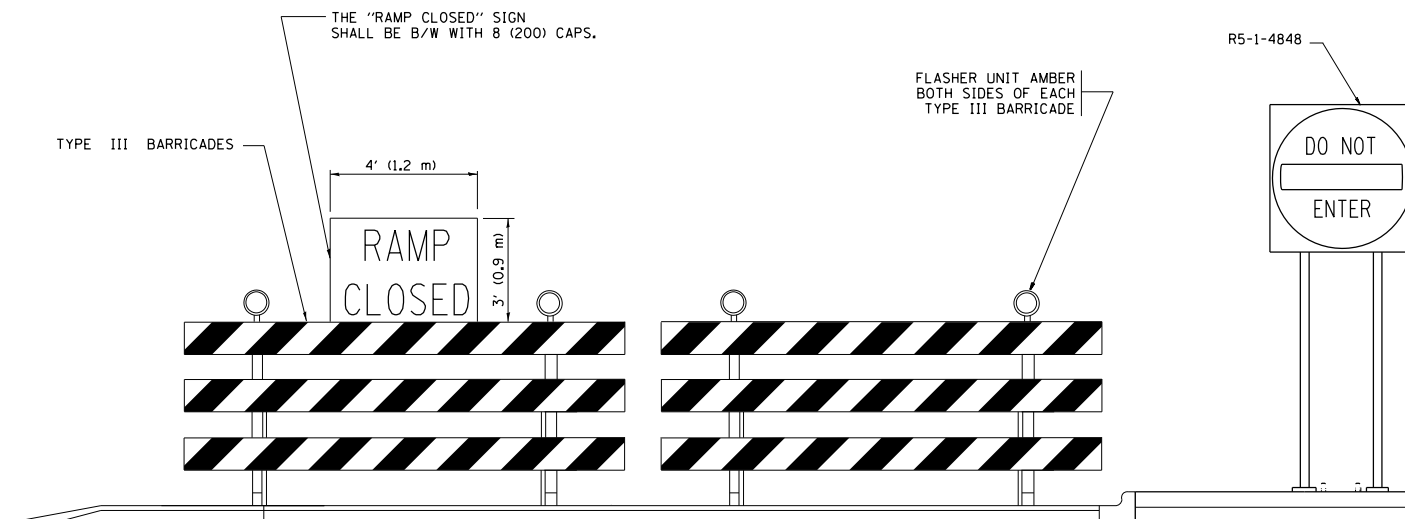
DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



EXIT RAMP CLOSURE

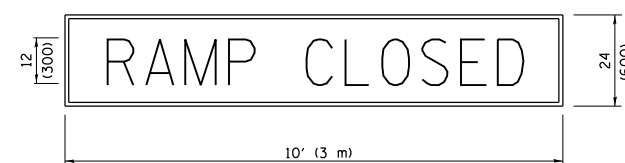
SYMBOLS

- ⊥ TYPE II BARRICADE OR DRUM
- ⊥ TYPE III BARRICADE WITH 2 FLASHING LIGHTS



DETAIL FOR REQUIRED BARRICADES & SIGNS

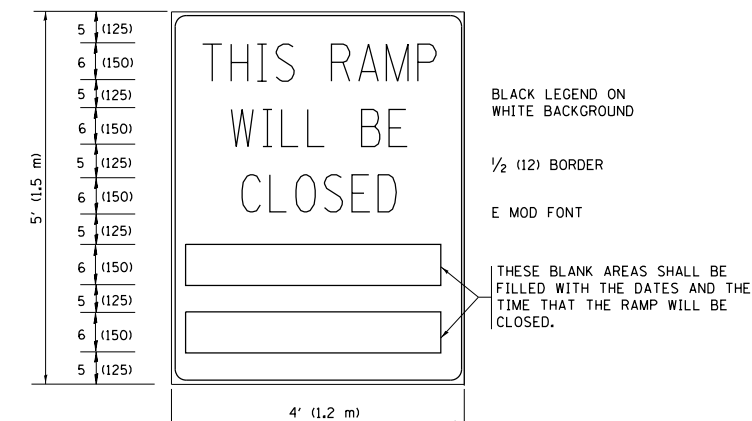
RAMP CLOSURE ADVANCE WARNING SIGN



BLACK LEGEND ON ORANGE BACKGROUND MOUNTED DIAGONALLY
E MOD FONT
1 (25) BORDER

THESE SIGNS ARE REQUIRED ON ALL THE EXIT GUIDE SIGNS FOR EXIT RAMPS THAT WILL BE CLOSED FOR MORE THAN FOUR (4) CONSECUTIVE DAYS.

RAMP CLOSURE ADVANCE INFORMATION SIGN



BLACK LEGEND ON WHITE BACKGROUND
1/2 (12) BORDER
E MOD FONT

THESE BLANK AREAS SHALL BE FILLED WITH THE DATES AND THE TIME THAT THE RAMP WILL BE CLOSED.

THESE SIGNS ARE REQUIRED ON BOTH SIDES OF THE RAMP, MINIMUM OF 1 WEEK IN ADVANCE OF THE CLOSURE.

THESE SIGNS SHALL BE FABRICATED AND PAID FOR ACCORDING TO THE TEMPORARY INFORMATION SIGNING SPECIAL PROVISION

GENERAL NOTES:

- ① CONES MAY BE SUBSTITUTED FOR DRUMS OR TYPE II BARRICADES DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (700) HIGH.
- ② VERTICAL BARRICADES SHALL NOT BE USED FOR RAMP CLOSURES.
- ③ A FLAGGER SHALL BE POSITIONED AT EACH CLOSED RAMP THAT IS OPEN TO CONSTRUCTION VEHICLES, PRECEDED BY A W20-7 FLAGGER WARNING SIGN.
- ④ ALL ROUTE MARKERS AND TRAILBLAZER ASSEMBLIES WHICH DIRECT MOTORISTS TO A CLOSED ENTRANCE RAMP SHALL BE COVERED WHEN THE RAMP IS CLOSED FOR MORE THAN FOUR (4) DAYS.
- ⑤ THE SIGNING AND BARRICADING WHICH IS REQUIRED BY THIS DETAIL SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS).
- ⑥ AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL RAMP CLOSURES.
- ⑦ THE RAMP CLOSURE ADVANCE INFORMATION SIGNS SHALL BE ERECTED IF THE CLOSURE TIME EXCEEDS TWENTY-FOUR (24) HOURS. ADDITIONAL ADVANCE WARNING SIGNS ON EXIT GUIDE SIGNING WILL BE REQUIRED FOR EXIT RAMP CLOSURES THAT EXCEED FOUR (4) DAYS IN LENGTH.
- ⑧ ROAD CONSTRUCTION AHEAD SIGNS MAY BE OMITTED WHEN THIS DETAIL IS USED IN CONJUNCTION WITH OTHER TRAFFIC CONTROL THAT ALREADY INCLUDES A ROAD CONSTRUCTION AHEAD SIGN.
- ⑨ ARTERIAL ROAD CONSTRUCTION AHEAD SIGNS SHALL BE INSTALLED ON THE LEFT SIDE OF TRAFFIC IF THE MEDIAN IS MORE THAN 10 FT WIDE.

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

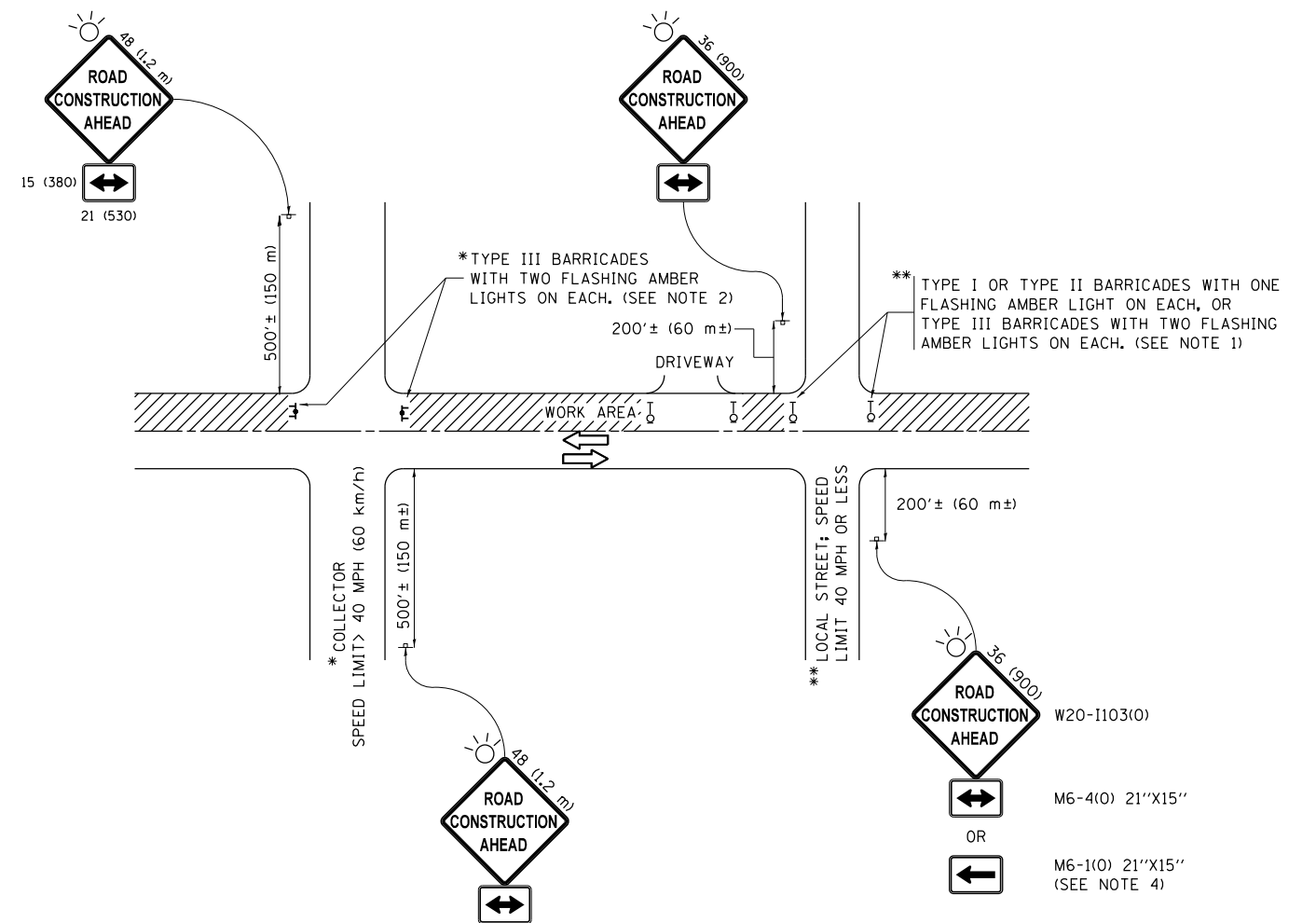
FILE NAME =	USER NAME = Velichkovv	DESIGNED - D.W.S.	REVISED - S.P.B. 01-07
pw\1\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\01430\Drawings\Design\Diststd.dgn		CHECKED -	REVISED - S.P.B. 12-09
Default	PLOT SCALE = 100.0000' / 1in.	DATE - 02-83	REVISED - M.D. 06-13
	PLOT DATE = 2/1/2018		REVISED - M.D. 01-18

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ENTRANCE AND EXIT RAMP
CLOSURE DETAILS

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
375	2016-044RS	COOK	52	43
TC-08			CONTRACT NO. 62D13	
ILLINOIS FED. AID PROJECT				



NOTES:

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
3. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
4. 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).
5. WHEN WORK IS BEING PERFORMED ON A SIDE ROAD OR DRIVEWAY, FOLLOW THE APPLICABLE STANDARD(S). THE DIRECTIONAL ARROW (M6-1 OR M6-4) SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE TRAFFIC CONTROL SET-UP.
6. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
7. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

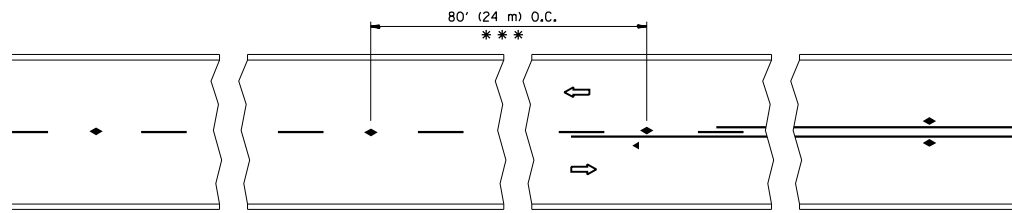
FILE NAME =	USER NAME = Velichkovv	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
p:\11084EBIDINTEG\illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\014311\Drawings\Design\Diststd.dgn			REVISED - T. RAMMACHER 01-06-00
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
	PLOT DATE = 2/1/2018	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

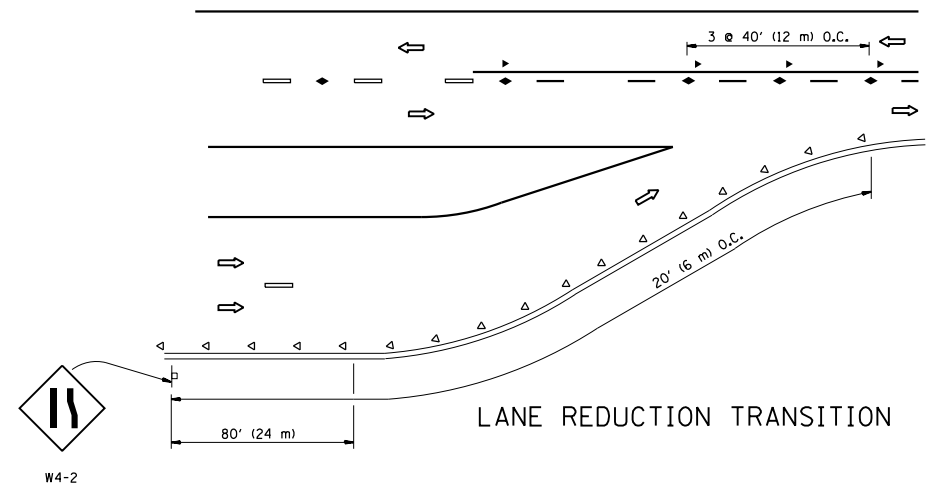
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
375	2016-044RS	COOK	52	44
TC-10			CONTRACT NO. 62D13	
ILLINOIS FED. AID PROJECT				

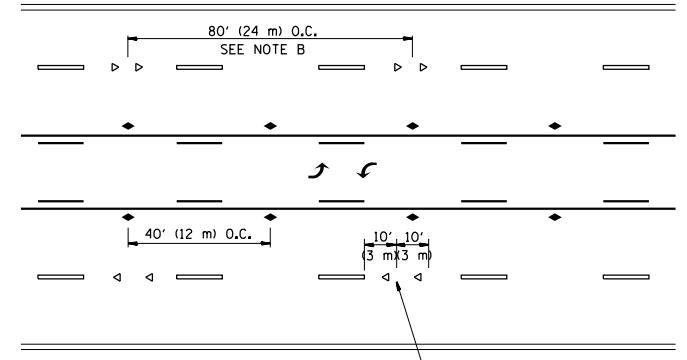


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

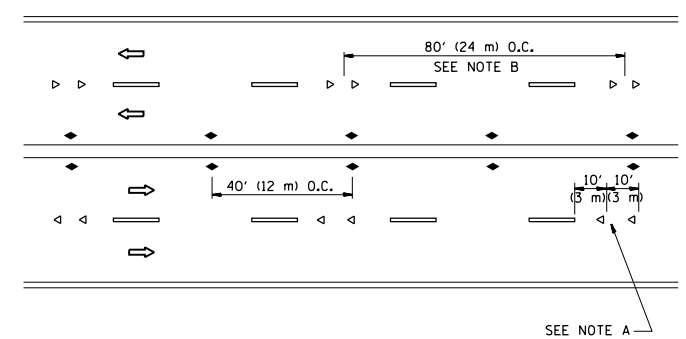
TWO-LANE/TWO-WAY



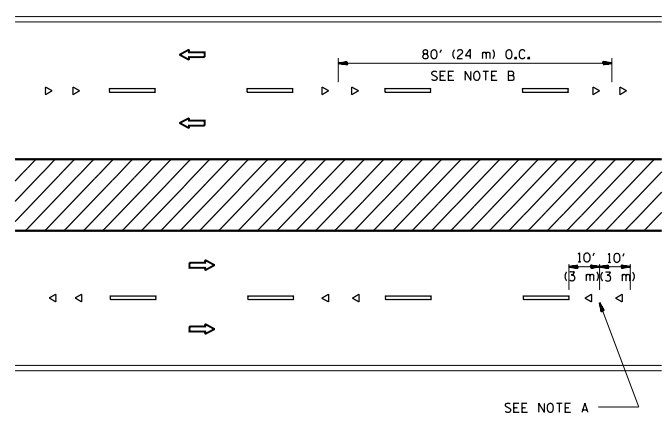
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

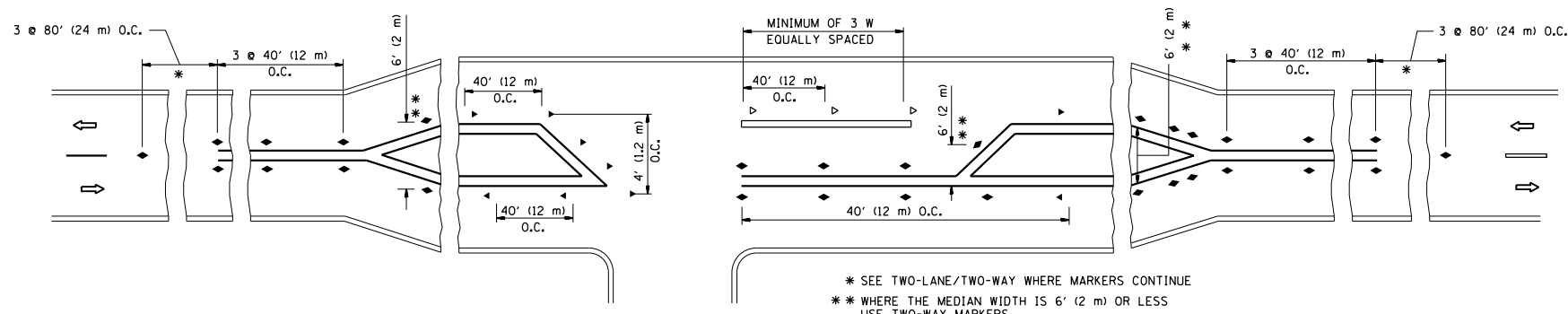
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

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

DESIGN NOTES

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

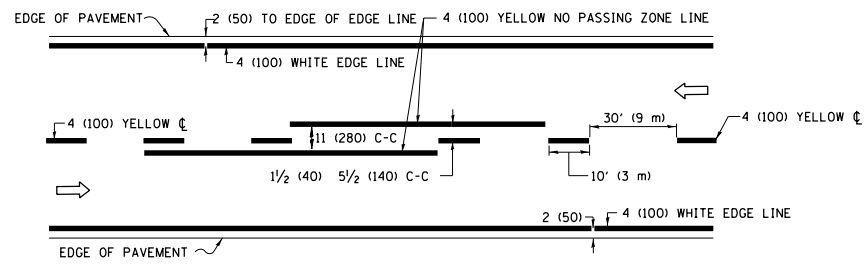


LEFT TURN

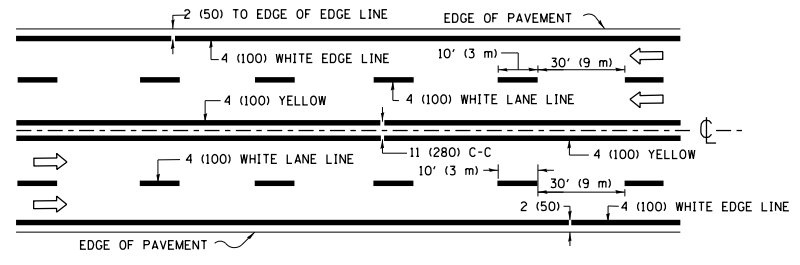
* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 ** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

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

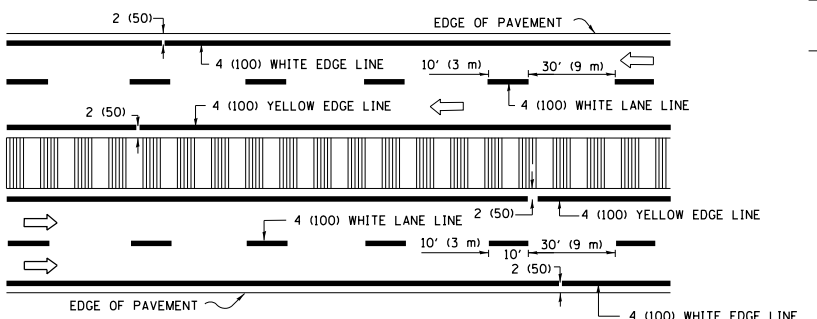
FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED - T. RAMMACHER 09-19-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw\1\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\014311\Drawings\Design\Diststd.dgn	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - T. RAMMACHER 03-12-99					375	2016-044RS	COOK	52	45
PLOT DATE = 2/1/2018	DATE -	REVISED - T. RAMMACHER 01-06-00	REVISED - C. JUCIUS 09-09-09		TC-11			CONTRACT NO. 62D13				
					SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

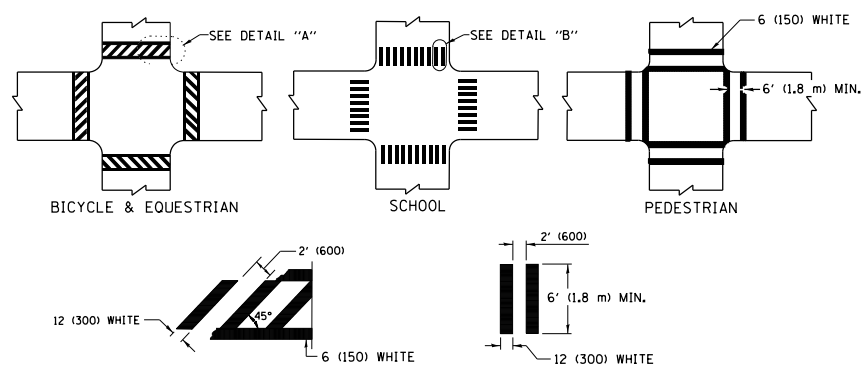


MULTI-LANE UNDIVIDED



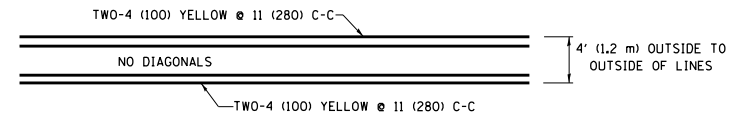
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

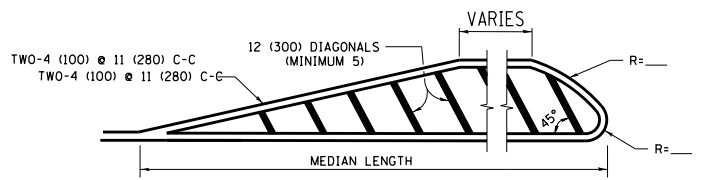


TYPICAL CROSSWALK MARKING

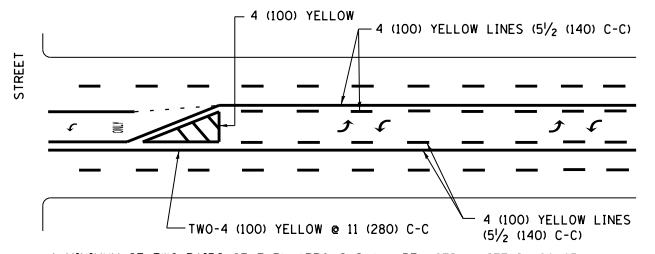
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



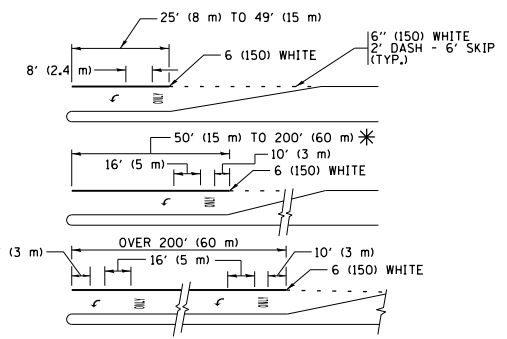
4' (1.2 m) WIDE MEDIANS ONLY



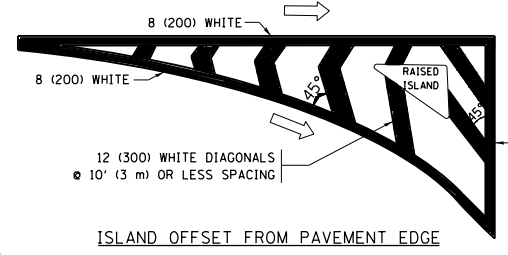
MEDIANS OVER 4' (1.2 m) WIDE



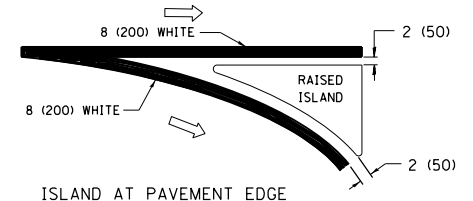
MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING



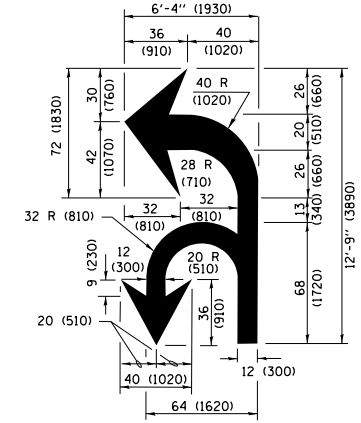
TYPICAL LEFT (OR RIGHT) TURN LANE TYPICAL TURN LANE MARKING



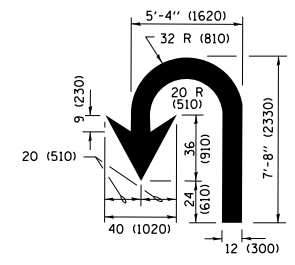
ISLAND OFFSET FROM PAVEMENT EDGE



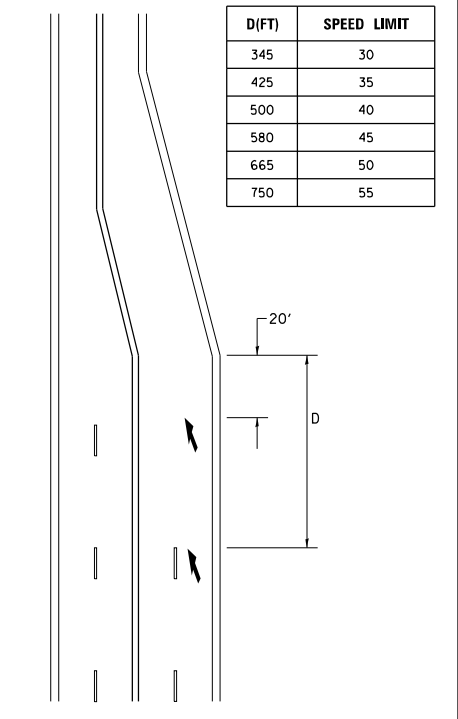
ISLAND AT PAVEMENT EDGE TYPICAL ISLAND MARKING



COMBINATION LEFT AND U-TURN



U-TURN



LANE REDUCTION TRANSITION
* LANE REDUCTION ARROWS REQUIRED AT SPEEDS OF 45 MPH OR GREATER OR WHEN SPECIFIED IN PLANS.

D(FT)	SPEED LIMIT
345	30
425	35
500	40
580	45
665	50
750	55

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 MEDIANS IN YELLOW
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 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT, OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE.
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS (REQUIRED FOR SHOULDERS ≥ 8')	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (22.5 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))
U TURN ARROW	SEE DETAIL	SOLID	WHITE	16.3 SF
2 ARROW COMBINATION LEFT AND U TURN	SEE DETAIL	SOLID	WHITE	30.4 SF

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.

FILE NAME =	USER NAME = Velichkovv	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
pw\1\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\0143\Drawings\Design\Diststd.dgn		CHECKED -	REVISED - C. JUCIUS 07-01-13
Default	PLOT SCALE = 100.0000' / in.	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
	PLOT DATE = 2/1/2018		REVISED - C. JUCIUS 04-12-16

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE			
TYPICAL PAVEMENT MARKINGS			
SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
375	2016-044RS	COOK	52	46
TC-13		CONTRACT NO. 62D13		
ILLINOIS FED. AID PROJECT				

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

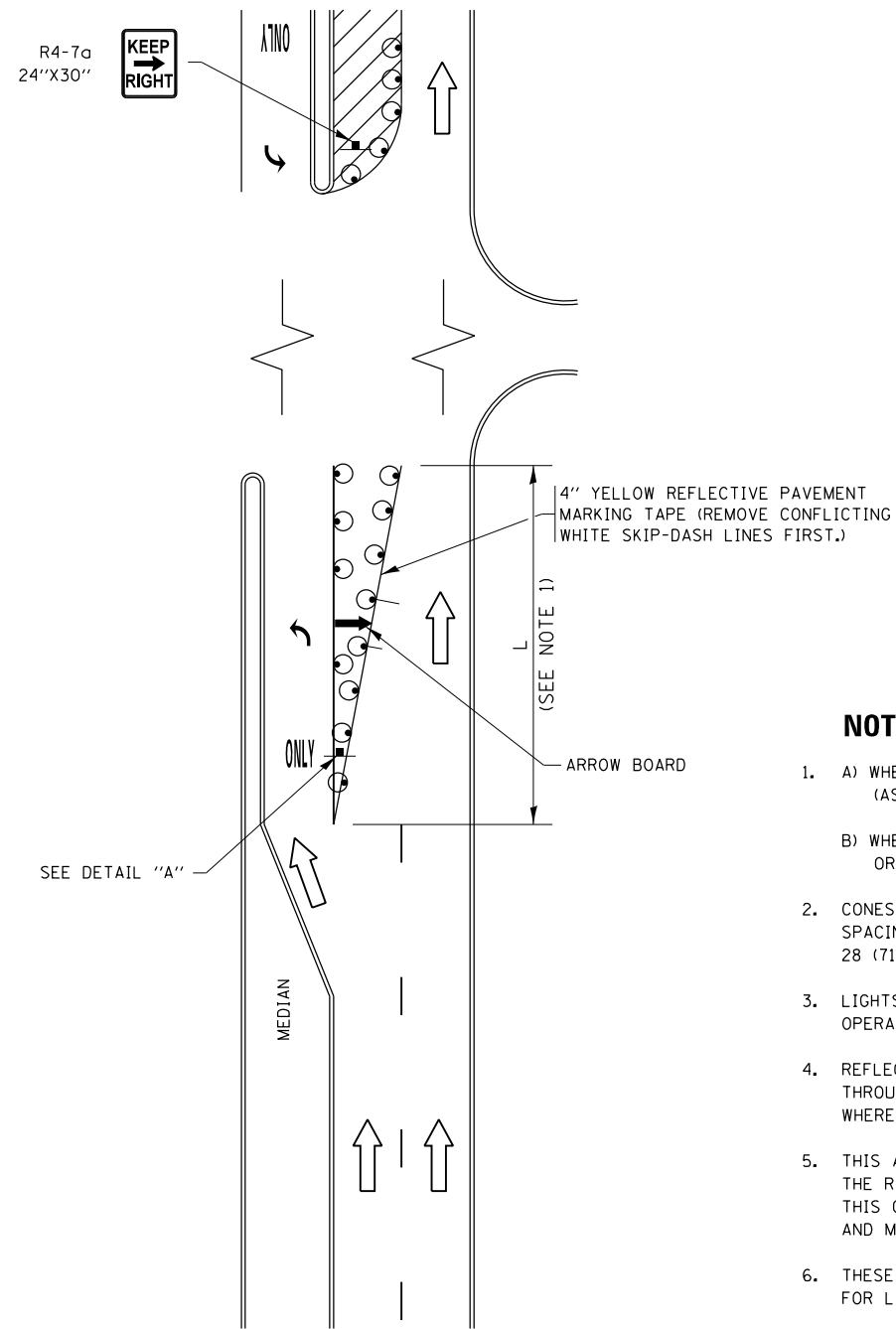


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

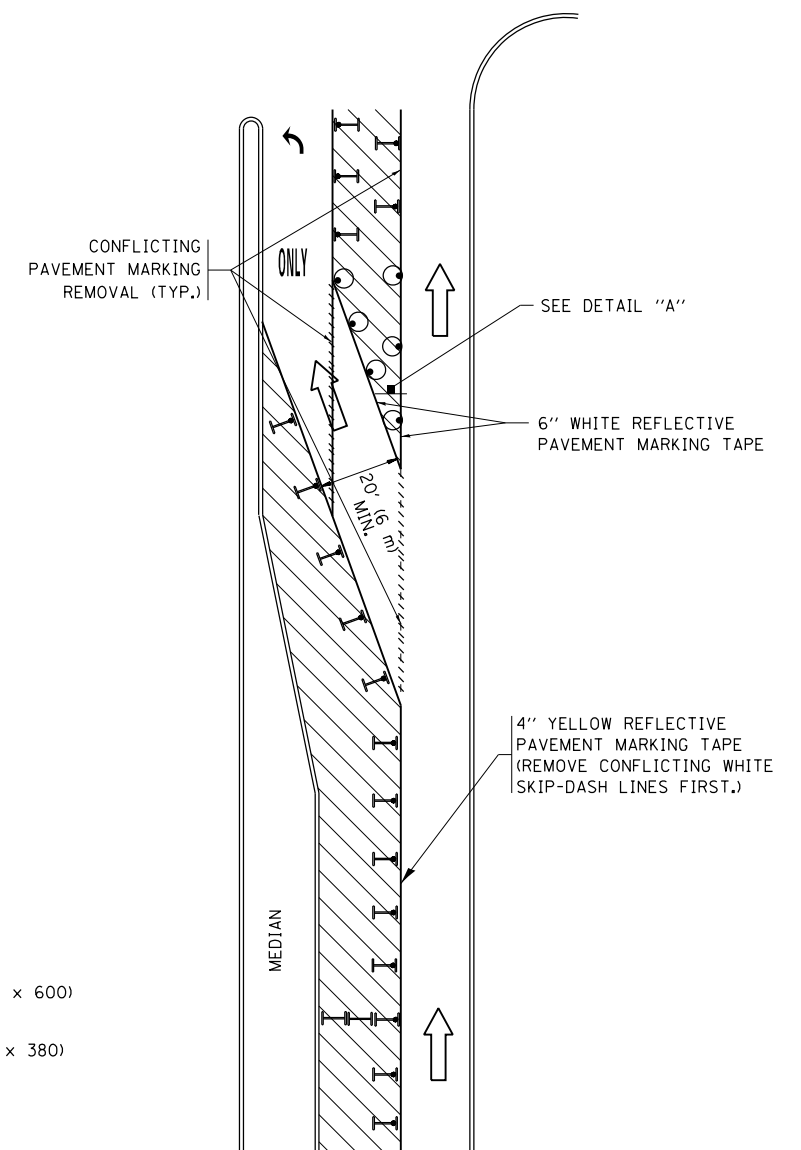
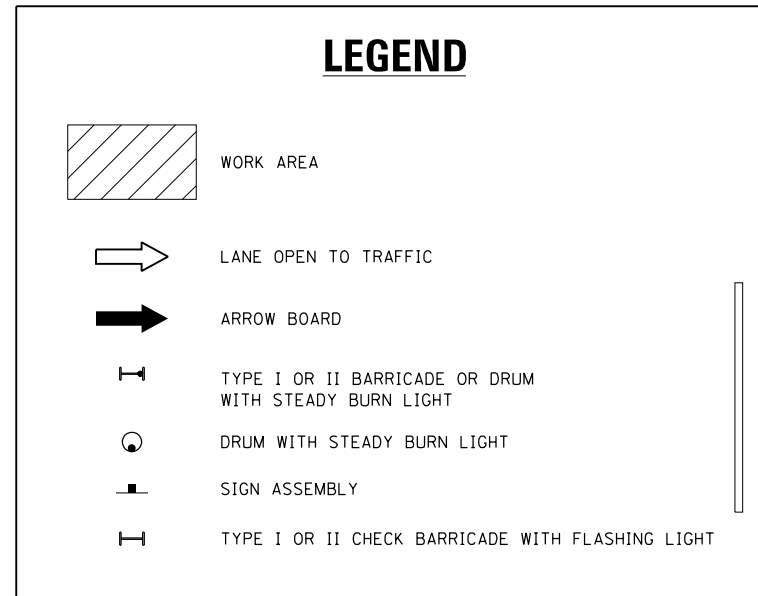
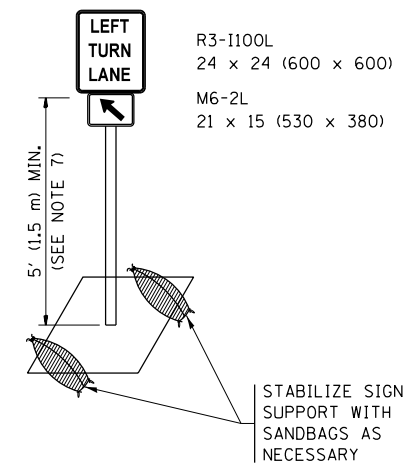


FIGURE 2



NOTES:

1. A) WHEN "L" IS \leq THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
B) WHEN "L" IS $>$ THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT.
3. LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
4. REFLECTIVE TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED THROUGHOUT THE BARRICADED AREAS OF EACH TURN BAY AS SHOWN WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN (14) DAYS.
5. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-1100R 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
6. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
7. THE SIGNS SHALL BE MOUNTED ABOVE THE BARRICADES/DRUMS ON SEPARATE SIGN SUPPORTS THAT MEET NCHRP 350 OR MASH PREQUIREMENTS.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

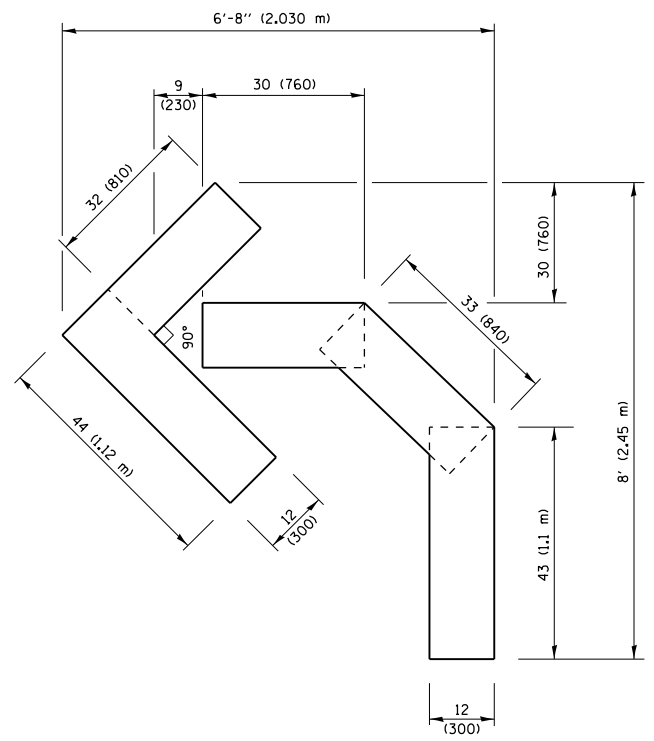


DETAIL A

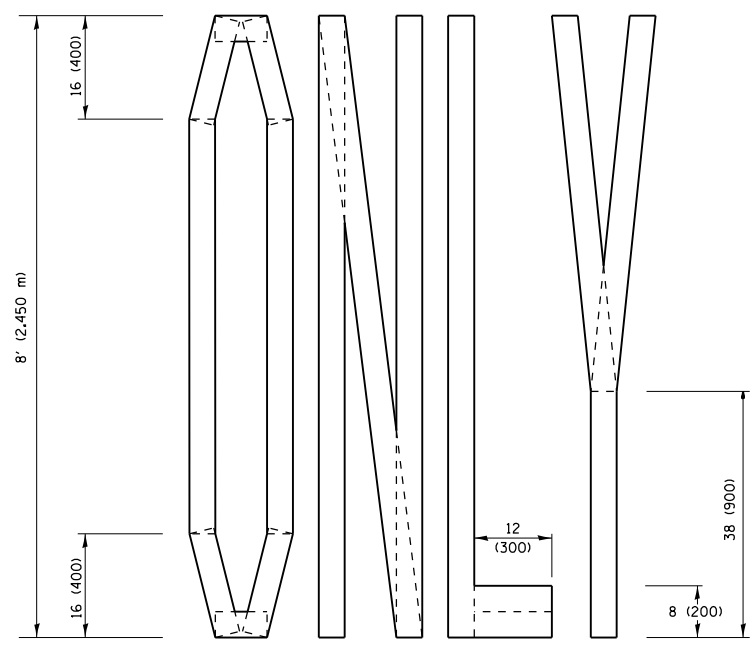
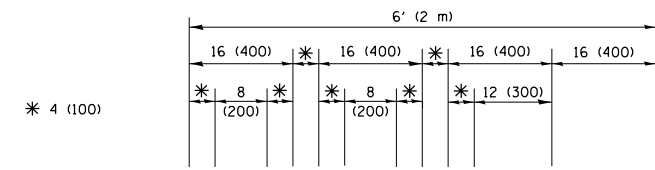
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = Velichkovv	REVISED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)	F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\014311\REVISED Design\A HOUSEH 11-07-95	REVISED - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13	REVISED - A. SCHUETZE 07-01-13			375	2016-044RS	COOK	52	47
Default	PLOT SCALE = 100.0000' / in.	REVISED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16			TC-14		CONTRACT NO. 62D13		
	PLOT DATE = 2/1/2018	REVISED - T. RAMMACHER 01-06-00	REVISED -			SCALE: NONE		SHEET 1 OF 1 SHEETS		STA. TO STA.

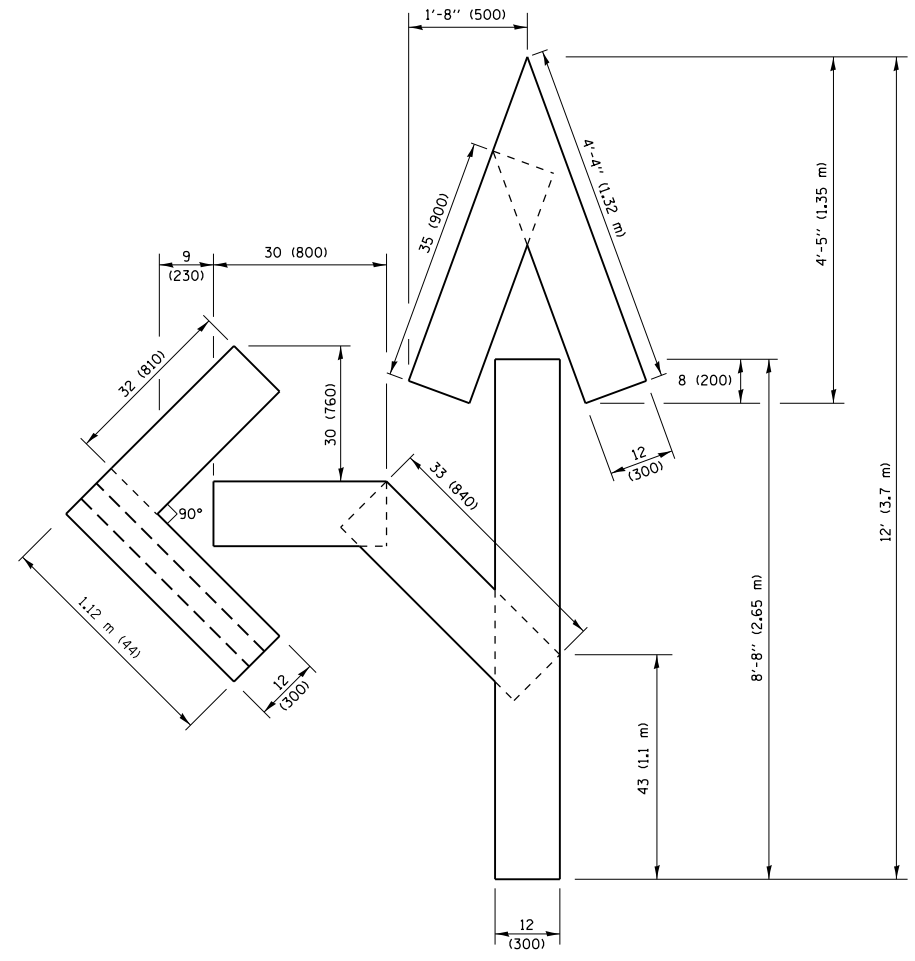
ILLINOIS FED. AID PROJECT



QUANTITY
 4 (100) LINE = 45.5 ft. (13.9 m)
 15.2 sq. ft. (1.41 sq. m)

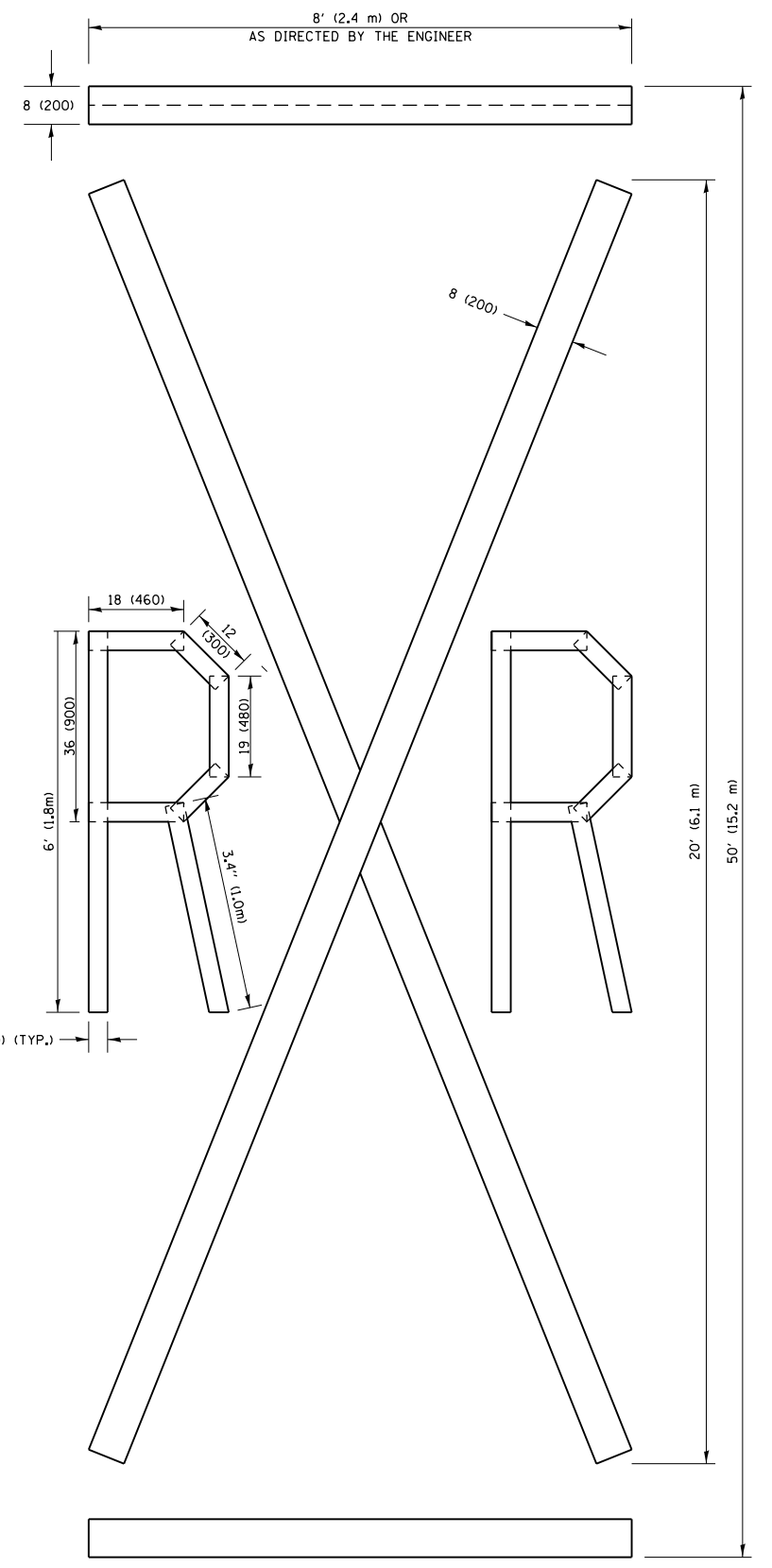


QUANTITY
 4 (100) LINE = 64.1 ft. (19.5 m)
 21.4 sq. ft. (1.99 sq. m)



QUANTITY
 4 (100) LINE = 82.5 ft. (25.1 m)
 27.5 sq. ft. (2.53 sq. m)

NOTE:
 ALL QUANTITIES OF PLACEMENT ARE REPRESENTED IN LINEAR FEET OF 4" LINES TO MATCH THE 4" TEMPORARY TAPE PAY ITEM AND REPRESENTS THE TOTAL QUANTITY OF 4" TAPE REQUIRED.



QUANTITY
 4 (100) LINE = 225.9 ft. (68.9 m)
 75.3 sq. ft. (6.99 sq. m)

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

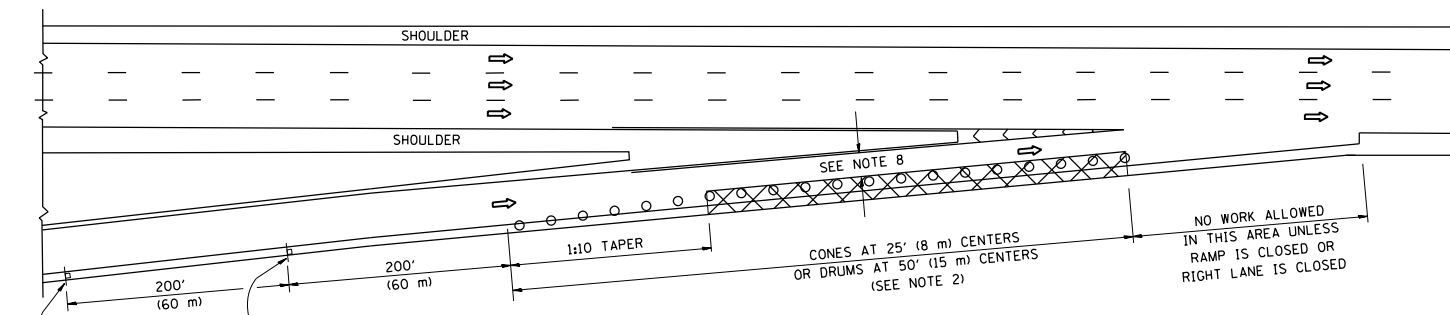
FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED -T. RAMMACHER 03-02-98
p:\1\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\014311\Drawings\Design\Diststd.dgn		CHECKED -	REVISED -E. GOMEZ 08-28-00
		DATE -	REVISED -E. GOMEZ 08-28-00
			REVISED -A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

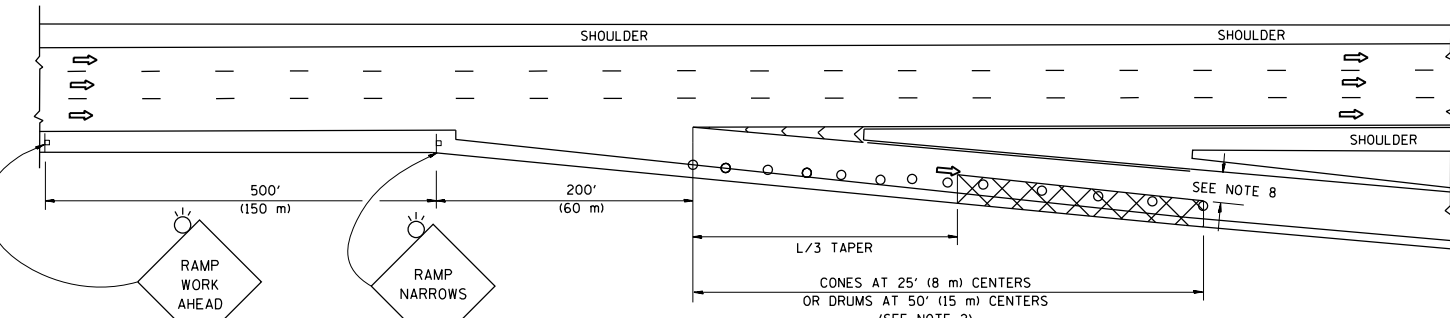
SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
375	2016-044RS	COOK	52	48
TC-16			CONTRACT NO. 62D13	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

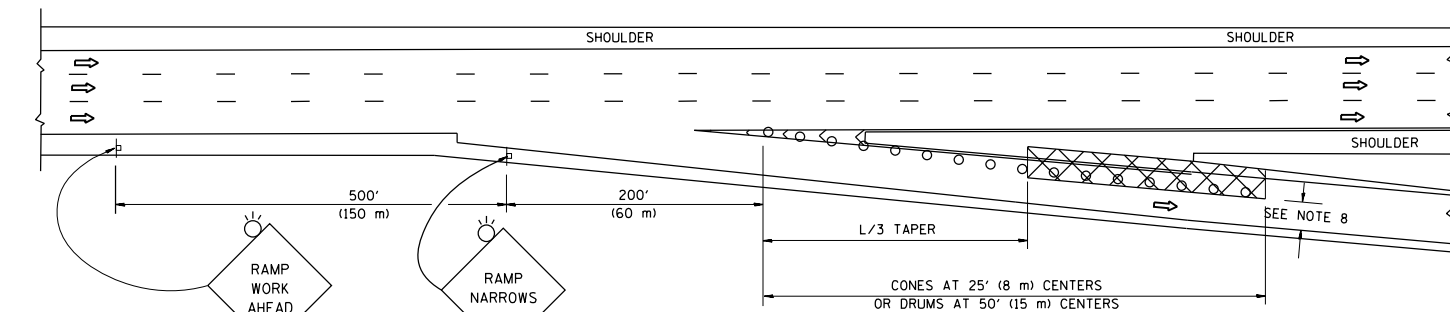
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

SYMBOLS

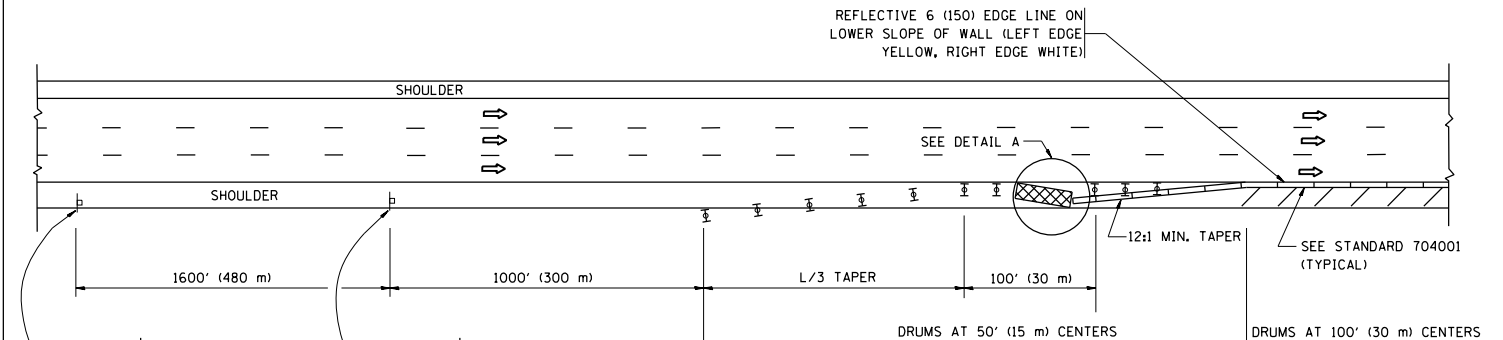
- ACTIVE WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE OR DRUM
- CONE, DRUM OR BARRICADE
- IMPACT ATTENUATOR OF TYPE AND TEST LEVEL SPECIFIED

GENERAL NOTES

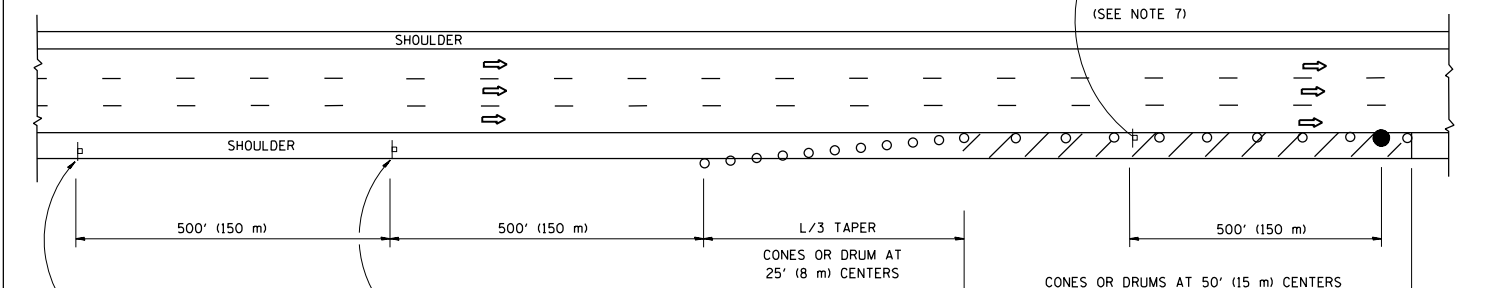
1. THE "L" DISTANCE EQUALS:

SPEED LIMIT	FORMULAS
45 mph (80 km/h) OR GREATER:	METRIC: $L=0.65(W)(S)$ ENGLISH: $L=(W)(S)$
	W = WIDTH OF OFFSET IN FEET (METERS)
	S = NORMAL POSTED SPEED MPH (KM/H)
2. TYPE II BARRICADES OR DRUMS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES. TYPE II BARRICADES OR DRUMS WITH MONODIRECTIONAL STEADY BURN LIGHTS ARE REQUIRED FOR DELINEATING OBSTACLES, EXCAVATIONS, OR HAZARDS EXCEEDING 100 FT (30m) IN LENGTH AT NIGHT.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.
5. THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE NARROW USE TYPE DEVICE TO MEET NCHRP350/MASH.
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
7. THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
 - a. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
 - b. THE WORK ACTIVITY REQUIRES FREQUENT ENCROACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.
8. 12' MIN. WIDTH TANGENT SECTION
16' MIN. WIDTH CURVE SECTION.

SHOULDER CLOSURE DETAILS

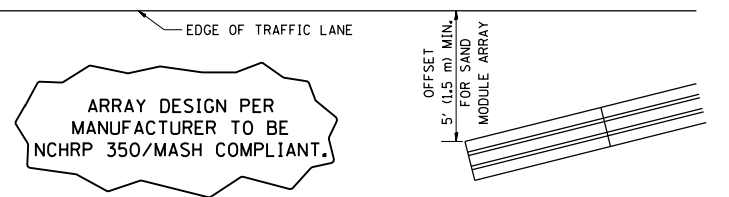


PERMANENT SHOULDER CLOSURE



DAYTIME SHOULDER CLOSURE

THIS DETAIL IS USED WHERE:
 1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCROACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.



DETAIL "A"
IMPACT ATTENUATOR, TEMPORARY
(SEE NOTE 5)

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

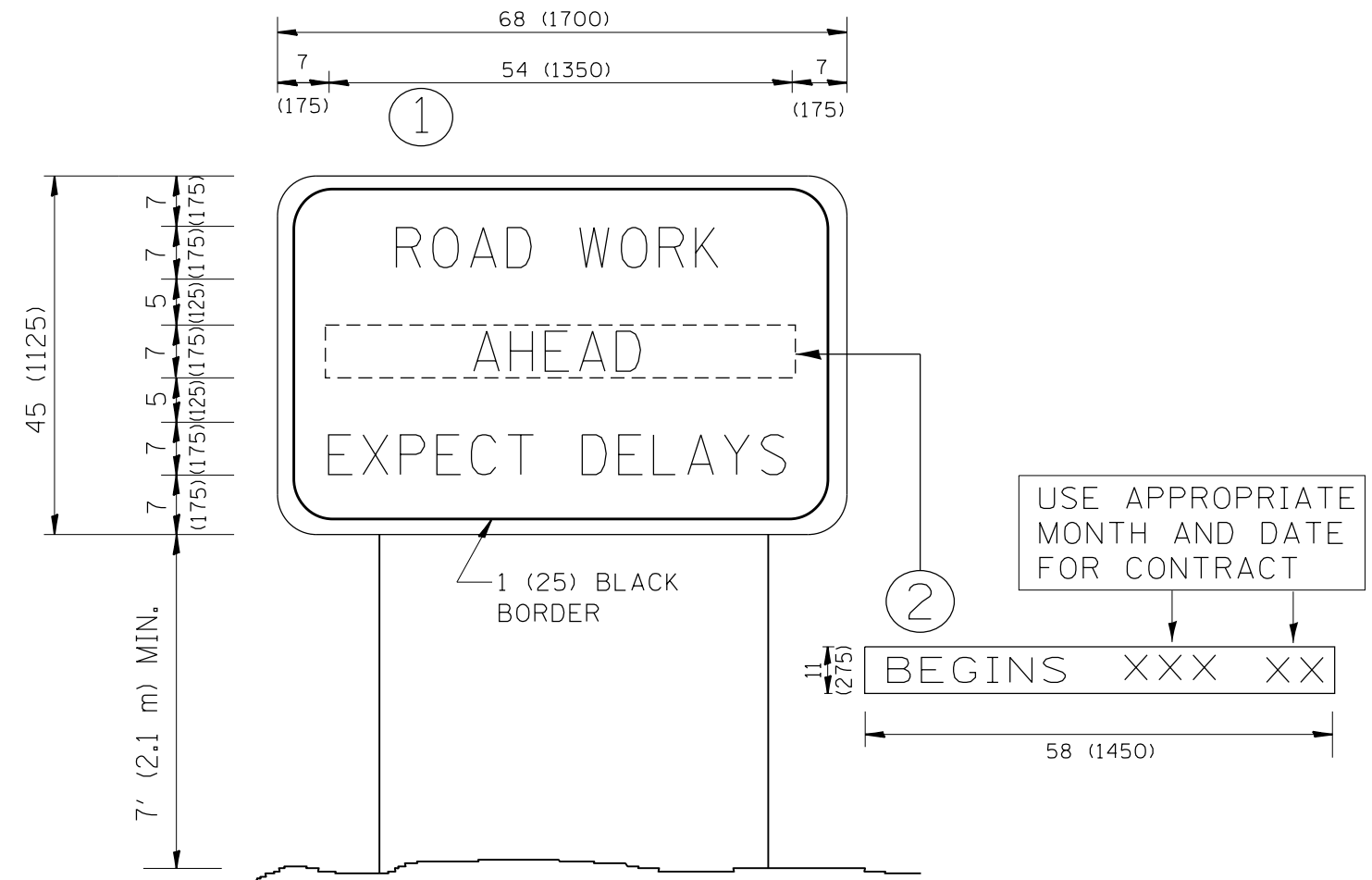
FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED - S.P.B. 01-07
pw:\IL\084EBIDINTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\01431\Drawings\Design\DWG\sd.dgn		DRAWN -	REVISED - S.P.B. 12-09
Default	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - M.D. 06-13
	PLOT DATE = 2/1/2018	DATE -	REVISED - M.D. 01-18

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL DETAILS FOR FREEWAY
SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES

SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
375	2016-044RS	COOK	52	49
TC-17		CONTRACT NO. 62D13		
ILLINOIS FED. AID PROJECT				



NOTES:

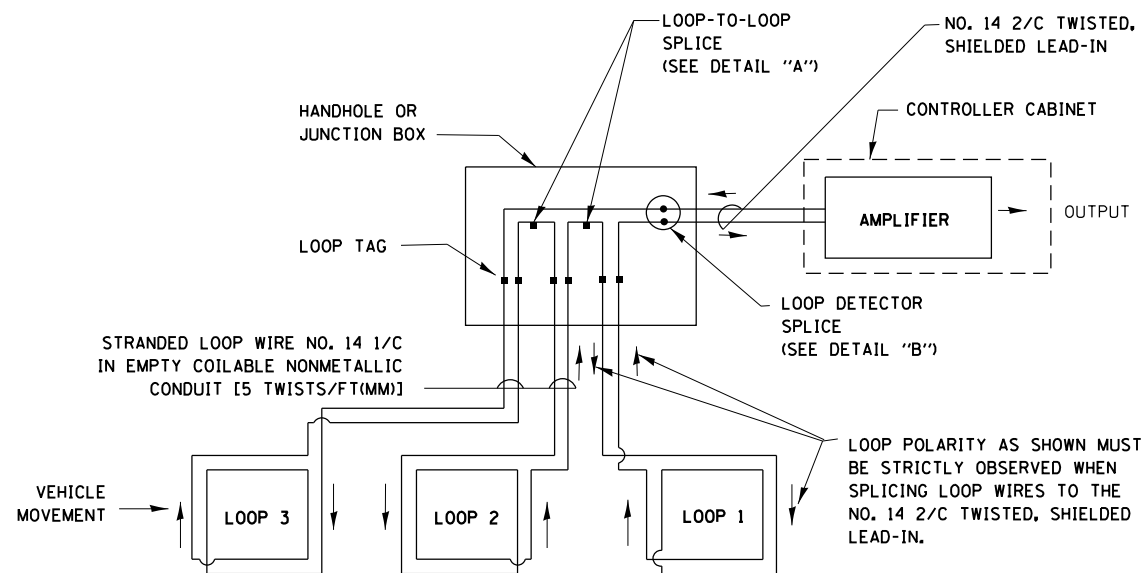
1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.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

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

FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
p:\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\01431\Drawings\Design\Diststd.dgn			REVISED - R. MIRS 12-11-97			375	2016-044RS	COOK	52	50	
PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99				TC-22		CONTRACT NO. 62D13			
PLOT DATE = 2/1/2018	DATE -	REVISED - C. JUCIUS 01-31-07				<small>FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT</small>					
				SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA.		TO STA.	

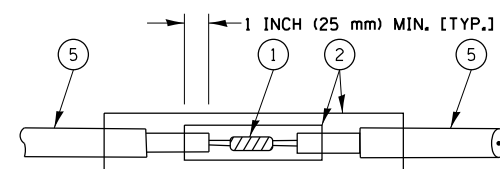
LOOP DETECTOR NOTES

1. 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.
2. 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.
3. 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.
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
5. 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.
6. 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.
7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

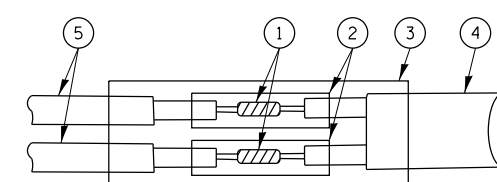


DETECTOR LOOP WIRING SCHEMATIC

- 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.



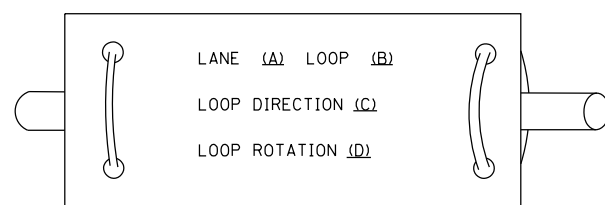
DETAIL "A"
LOOP-TO-LOOP SPLICE



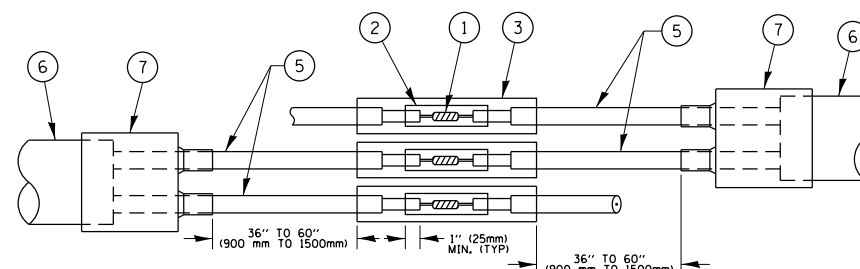
DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP

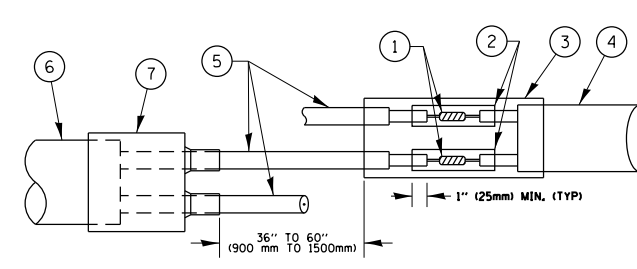
LOOP LEAD-IN CABLE TAG



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



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

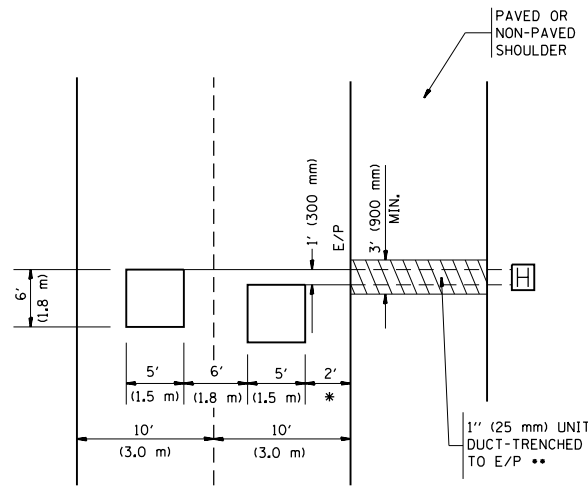
LOOP DETECTOR SPLICE

- ① WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH, THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- ② WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- ③ WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- ④ NO. 14 2/C TWISTED, SHIELDED CABLE.
- ⑤ LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.
- ⑥ PRE-FORMED LOOP
- ⑦ XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS, TYCO CBR-2 OR APPROVED EQUAL

FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\01431\Drawings\Design\Diststd.dgn	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			375	2016-044RS	COOK	52	51
Default	PLOT DATE = 2/1/2018	DATE -	REVISED -			TS-05		CONTRACT NO. 62D13		ILLINOIS FED. AID PROJECT
						SCALE: NONE	SHEET 2 OF 7 SHEETS	STA. TO STA.		

LOOPS NEXT TO SHOULDERS

PROVIDE A PAVEMENT REPLACEMENT NOTE WHICH SHOULD EQUAL 3' (900 mm) X WIDTH OF PAVED SHOULDER.



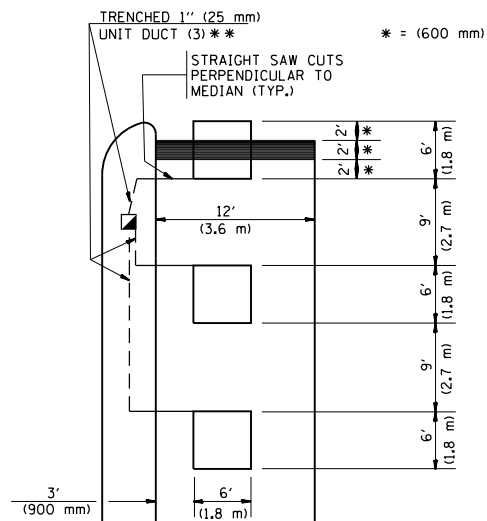
* = (600 mm)

** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

LEFT TURN LANES WITH MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH

(PROTECTED / PERMITTED LEFT TURN PHASING)

HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.

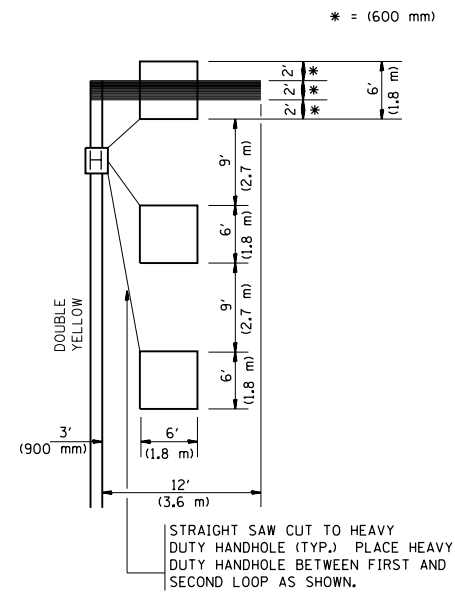


** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

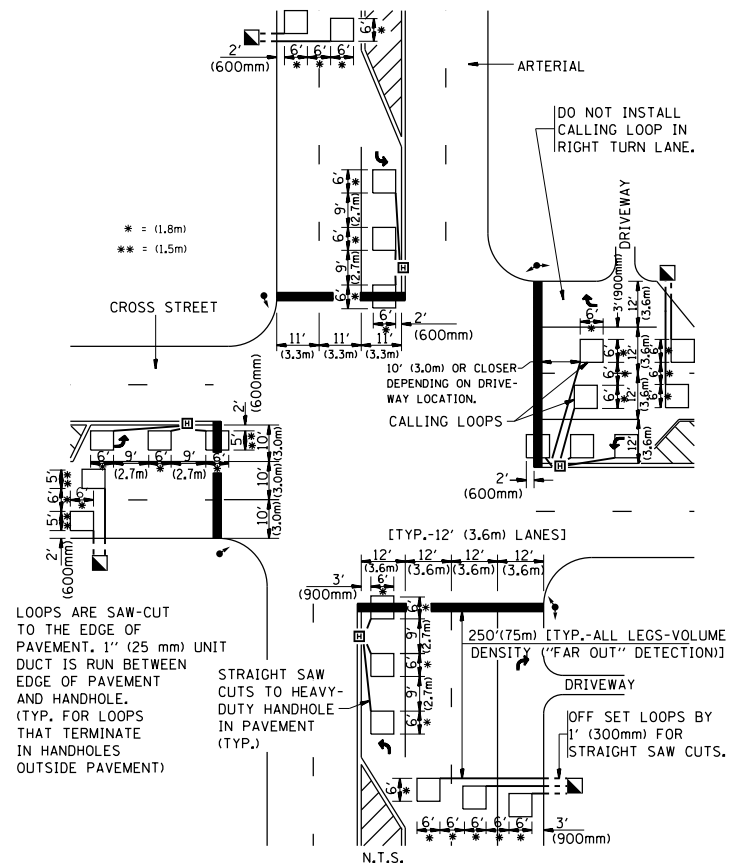
LEFT TURN LANES WITHOUT MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH

(PROTECTED / PERMITTED LEFT TURN PHASING)



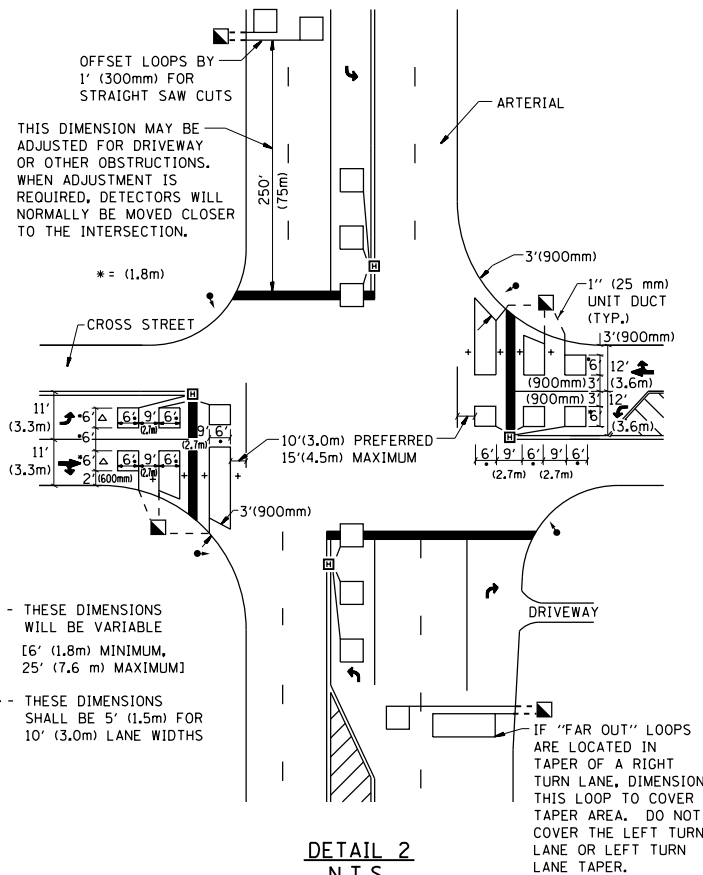
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-VOLUME DENSITY ("FAR OUT" DETECTION)



DETAIL 1
N.T.S.

ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)
CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)



DETAIL 2
N.T.S.

NOTES:

VEHICLES LOOP DETECTORS

- * ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- * EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATELY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
- * ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
- * EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
- * WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
- * WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

PLACEMENT OF DETECTORS

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DEMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

NOTE:

ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

FILE NAME =	USER NAME = Velichkovv	DESIGNED -	REVISED -
pw:\IL\084EBIDINTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\01431\Drawings\Design\Diststd.dgn		CHECKED - R.K.F.	REVISED -
PLOT SCALE = 100.0000' / in.		DATE -	REVISED -
PLOT DATE = 2/1/2018			

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1 - DETECTOR LOOP INSTALLATION
DETAILS FOR ROADWAY RESURFACING

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
375	2016-044R5	COOK	52	52
TS-07		CONTRACT NO. 62D13		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				