

040

01-18-2019 LETTING ITEM 040

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	125RS-2	LAKE	34	1
		ILLINOIS	CONTRACT NO. 62C77	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
**PROPOSED
HIGHWAY PLANS**

FOR INDEX OF SHEETS, SEE SHEET NO. 2

THIS PROJECT IS LOCATED IN THE VILLAGES OF
PARK CITY, WAUKEGAN, NORTH CHICAGO, LAKE BLUFF
& UNINCORPORATED LAKE COUNTY

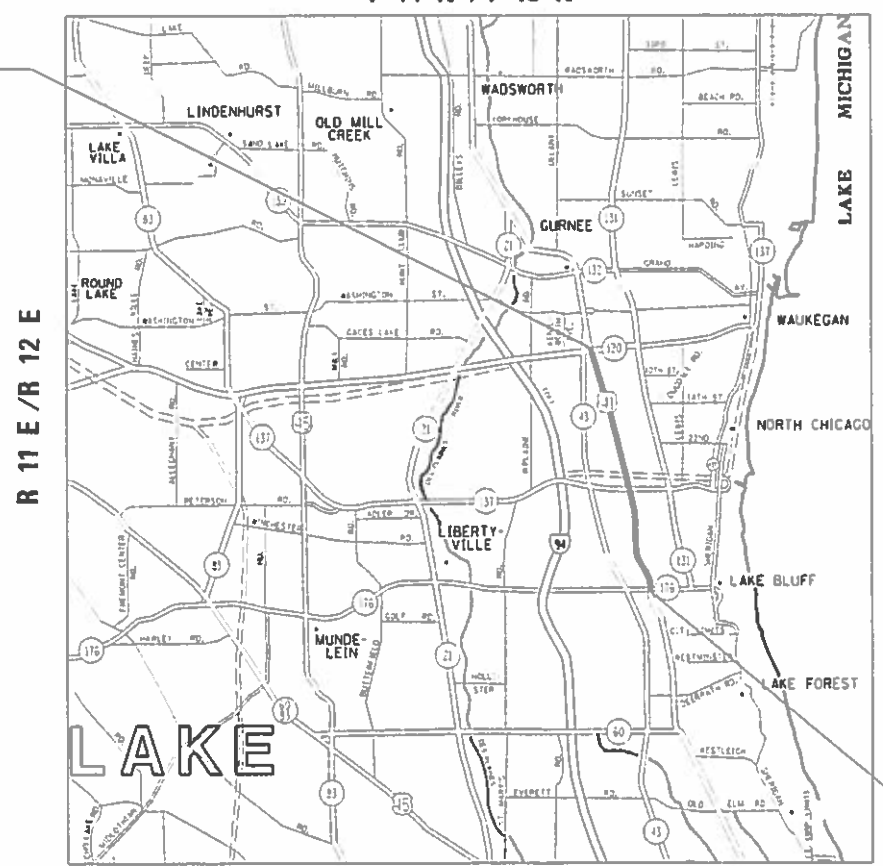
F.A.P. ROUTE 346: US 41 /SKOKIE HIGHWAY
IL 120 (BELVIDERE ROAD) TO IL 176 (ROCKLAND ROAD)
SECTION: 125RS-2
PROJECT: NHPP-8LIC(868)
RESURFACING (3P)
LAKE COUNTY
C-91-384-16

D-91-384-16

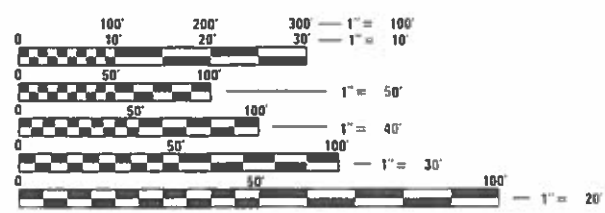


TRAFFIC DATA
2015 ADT=42,000
SPEED LIMIT = 45-55 MPH

PROJECT ENDS
STA 277+00



PROJECT BEGINS
STA 28+10



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

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

WARREN, WAUKEGAN & SHIELDS TOWNSHIPS
GROSS & NET LENGTH = 24,890 FT. = 4.71 MILES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED December 16, 2018

Anthony J. Dwyer REGIONAL ENGINEER

Dec 7 2018

Paul J. [Signature] ENGINEER OF DESIGN AND ENVIRONMENT

Dec 7 2018

Paul J. [Signature] DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION 3

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

PROJECT ENGINEER: ALAIN MIDY (847) 221-3056
PROJECT MANAGER: FAWAD AQUEEL (847) 705-4247

CONTRACT NO. 62C77

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1.	TITLE SHEET
2.	INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES
3-5.	SUMMARY OF QUANTITIES
6-8.	TYPICAL SECTIONS
9-18.	ROADWAY & PAVEMENT MARKING PLANS
19-21.	DETECTOR LOOP REPLACEMENT PLAN
22.	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING (BD-8)
23.	PAVEMENT PATCHING FOR HOT-MIX ASPHALT SURFACED PAVEMENT (BD-22)
24.	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT (BD-24)
25.	BUTT JOINTS AND TAPERS (BD-32)
26.	ENTRANCE AND EXIT RAMP CLOSURE DETAILS (TC-08)
27.	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS (TC-10)
28.	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT) (TC-11)
29.	DISTRICT ONE TYPICAL PAVEMENT MARKINGS (TC-13)
30.	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) (TC-14)
31.	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS (TC-16)
32.	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES (TC-17)
33.	ARTERIAL ROAD INFORMATION SIGN (TC-22)
34.	DISTRICT ONE - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING (TS-07)

STATE STANDARDS

STANDARD NO	DESCRIPTION
000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
442201-03	CLASS C AND D PATCHES
604001-04	FRAME AND LIDS, TYPE 1
606001-07	COMBINATION CONCRETE CURB AND GUTTER
642001-02	SHOULDER RUMBLE STRIP 16"
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 2' FROM PAVEMENT EDGE
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS > 45
701421-08	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS > 45 TO 55 MPH
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS ≥ 45 MPH
701601-10	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NON-TRAVERSABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-08	TRAFFIC CONTROL DEVICES

GENERAL NOTES:

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES (48 HOUR NOTIFICATION IS REQUIRED).

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGES OF PARK CITY, WAUKEGAN, NORTH CHICAGO, LAKE BLUFF & UNINCORPORATED LAKE COUNTY.

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.

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.

WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1" INCHES (40MM) WHERE THE SPEED LIMIT IS 40 MPH (80KMH) OR LESS AND 1 INCH (25 MM) WHERE THE SPEED LIMIT IS GREATER THAN 40 MPH (80 KMH), WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75 MM) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H) OR A NOTCHED LONGITUDINAL WEDGE IS USED.

BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES AND REVISED 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 ENGINEER.

THE RESIDENT ENGINEER SHALL CONTACT WALTER CZARNY, AREA TRAFFIC FIELD ENGINEER AT ERIC.CAMPOS ILLINOIS.GOV OR AT 847-438-2300 OR AT WALTER.CZARNY ILLINOIS.GOV A MINIMUM OF TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

DRAINAGE ADJUSTMENT OR RECONSTRUCTION LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

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 CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.

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 SEPARATE PAY ITEM HAS BEEN PROVIDED.

DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.

THESE PLANS HAVE BEEN PREPARED FROM NOTES RECEIVED FROM THE BUREAU OF CONSTRUCTION.

BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT) ACCORDING TO THE "BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.

PAVEMENT MARKING TAPE TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKING ON FINAL SURFACES.

CONTACT THE IDOT ROADSIDE DEVELOPMENT UNIT AT 847-705-4171 AT LEAST TWO WEEKS TO BEGINNING WORK FOR LAYOUT FOR TREE REMOVAL, SELECTIVE CLEARING AND WEED SPRAYING.

ANY PCC MILLING ON THE SOUTHEAST RADIUS OF IL 137/US 41 WILL BE INCLUDED IN THE PRICE OF FOR HMA SURFACE REMOVAL.

MODEL: I:\draft\... FILE NAME: ...

REV. - MS

<table border="1"> <tr> <td>USER NAME = guillemefp</td> <td>DESIGNED -</td> <td>REVISED -</td> </tr> <tr> <td></td> <td>DRAWN -</td> <td>REVISED -</td> </tr> <tr> <td>PLT SCALE = 100.0000' / in.</td> <td>CHECKED -</td> <td>REVISED -</td> </tr> <tr> <td>PLT DATE = 10/19/2018</td> <td>DATE -</td> <td>REVISED -</td> </tr> </table>	USER NAME = guillemefp	DESIGNED -	REVISED -		DRAWN -	REVISED -	PLT SCALE = 100.0000' / in.	CHECKED -	REVISED -	PLT DATE = 10/19/2018	DATE -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES US 41 (SKOKIE HIGHWAY) (IL 120 TO IL 176)	<table border="1"> <tr> <td>F.A.P. RTE.</td> <td>SECTION</td> <td>COUNTY</td> <td>TOTAL SHEETS</td> <td>SHEET NO.</td> </tr> <tr> <td>346</td> <td>125RS-2</td> <td>LAKE</td> <td>34</td> <td>2</td> </tr> <tr> <td colspan="5" style="text-align: right;">CONTRACT NO. 62C77</td> </tr> </table>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	346	125RS-2	LAKE	34	2	CONTRACT NO. 62C77				
USER NAME = guillemefp	DESIGNED -	REVISED -																												
	DRAWN -	REVISED -																												
PLT SCALE = 100.0000' / in.	CHECKED -	REVISED -																												
PLT DATE = 10/19/2018	DATE -	REVISED -																												
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.																										
346	125RS-2	LAKE	34	2																										
CONTRACT NO. 62C77																														
SCALE: SHEET <input checked="" type="radio"/> OF SHEETS		STA. <input type="radio"/> TO STA. <input type="radio"/>		ILLINOIS FED. AID PROJECT																										

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		ROADWAY 0005 80% FED 20% STATE					
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	175	175					
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	75	75					
21101615	TOPSOIL FURNISH AND PLACE, 4"	SO YD	85	85					
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	1	1					
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	1	1					
25003210	INTERSEEDING, CLASS 2A	ACRE	1	1					
25100115	MULCH, METHOD 2	ACRE	1	1					
25200110	SODDING, SALT TOLERANT	SO YD	85	85					
25200200	SUPPLEMENTAL WATERING	UNIT	0.85	0.85					
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	155155	155155					
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	345	345					
40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	9480	9480					
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	510	510					
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	3965	3965					

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT		ROADWAY 0005 80% FED 20% STATE					
42001300	PROTECTIVE COAT	SO YD	200	200					
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SO YD	229800	229800					
44003100	MEDIAN REMOVAL	SO FT	150	150					
44201741	CLASS D PATCHES, TYPE II, 8 INCH	SO YD	900	900					
44201745	CLASS D PATCHES, TYPE III, 8 INCH	SO YD	720	720					
44201747	CLASS D PATCHES, TYPE IV, 8 INCH	SO YD	540	540					
44201863	CLASS D PATCHES, TYPE II, 18 INCH	SO YD	100	100					
44201867	CLASS D PATCHES, TYPE III, 18 INCH	SO YD	80	80					
44201869	CLASS D PATCHES, TYPE IV, 18 INCH	SO YD	60	60					
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	278	278					
60250200	CATCH BASINS TO BE ADJUSTED	EACH	5	5					
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	1	1					
60255500	MANHOLES TO BE ADJUSTED	EACH	5	5					
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	2	2					
60618208	HOT-MIX ASPHALT MEDIAN	SO FT	150	150					

REV. - MS

FILE NAME =	USER NAME = quilloum p	DESIGNED -	REVISED -
dw:\NLO\4EBID\INT\EG\H\nd\sgov\FW\DOT\Documents\VDOT	Offices\District 1\Projects\DI3846\CADD\Design\DI3846	DRAWN -	REVISED -
	PLOT SCALE = 100.0000 "/ in.	CHECKED -	REVISED -
	PLOT DATE = 10/18/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	125RS-2	LAKE	34	3
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C77	

SUMMARY OF QUANTITIES			URBAN		CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	ROADWAY 0005 80% FED 20% STATE					
64200116	SHOULDER RUMBLE STRIPS, 16 INCH	FOOT	70000	70000					
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	9	9					
67100100	MOBILIZATION	LSUM	1	1					
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	LSUM	1	1					
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	1	1					
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	LSUM	1	1					
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	LSUM	1	1					
70200100	NIGHTTIME WORK ZONE LIGHTING	LSUM	1	1					
70300100	SHORT TERM PAVEMENT MARKING	FOOT	218960	218960					
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	37755	37755					
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SO FT	1840.5	1840.5					
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	118000	118000					
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	7600	7600					

SUMMARY OF QUANTITIES			URBAN		CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	ROADWAY 0005 80% FED 20% STATE					
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	1750	1750					
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	5000	5000					
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	800	800					
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	138120	138120					
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	1840.5	1840.5					
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	118000	118000					
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	7600	7600					
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	1750	1750					
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	5000	5000					
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	800	800					
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1260	1260					
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	750	750					
* SPECIALTY ITEM									

REV. - MS

FILE NAME =	USER NAME = quilloum p	DESIGNED -	REVISED -
dw:\VLOB\EBID\INT\EG\Hind\sgov\FW\DOT\Documents\DOT	Offices\District 1\Projects\DI3846\CADD\Design\DI3846	DRAWING -	REVISED -
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/18/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	125RS-2	LAKE	34	4
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			CONTRACT NO. 62C77	

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT		ROADWAY 0005 80% FED 20% STATE				
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	2470	2470				
K0029618	WEED CONTROL, BROADLEAF IN TURF	GALLON	35	35				
X2020110	GRADING AND SHAPING SHOULDERS	UNIT	320	320				
X4060004	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, STONE MATRIX ASPHALT, 9.5, N80	TON	18560	18560				
△ X5537800	STORM SEWERS TO BE CLEANED 12"	FOOT	13000	13000				
X6030310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	12	12				
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SO FT	52600	52600				
Z0004562	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	600	600				
△ Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	130	130				
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	154.2	154.2				
Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	53750	53750				
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	LSUM	1	1				
Z0064800	SELECTIVE CLEARING	UNIT	15	15				

SUMMARY OF QUANTITIES				URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	ROADWAY 0005 80% FED 20% STATE						
∅ Z0076600	TRAINEES	HOUR	500	500					
∅ Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	500	500					

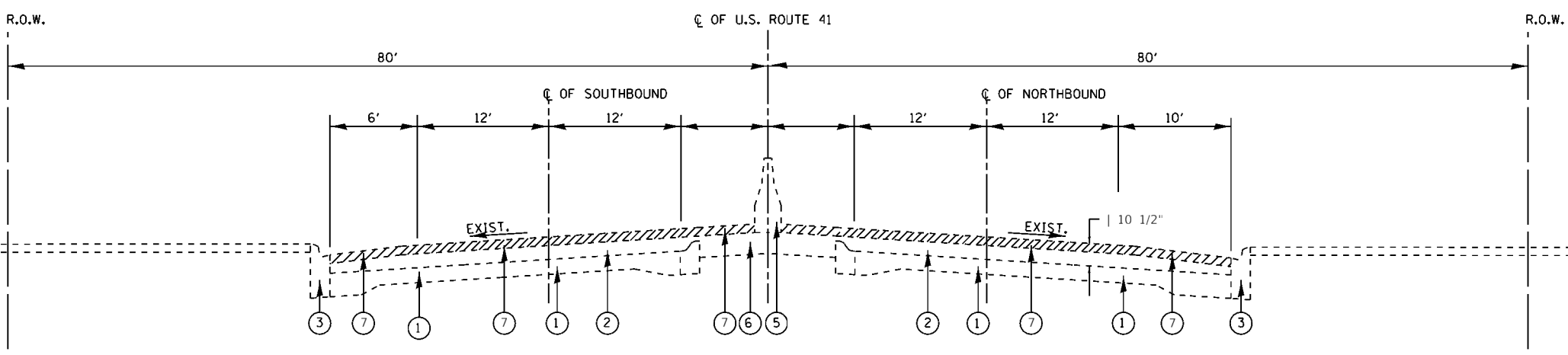
∅ 0042
 △ NON PARTICIPATING
 * SPECIALTY ITEM

LEGEND

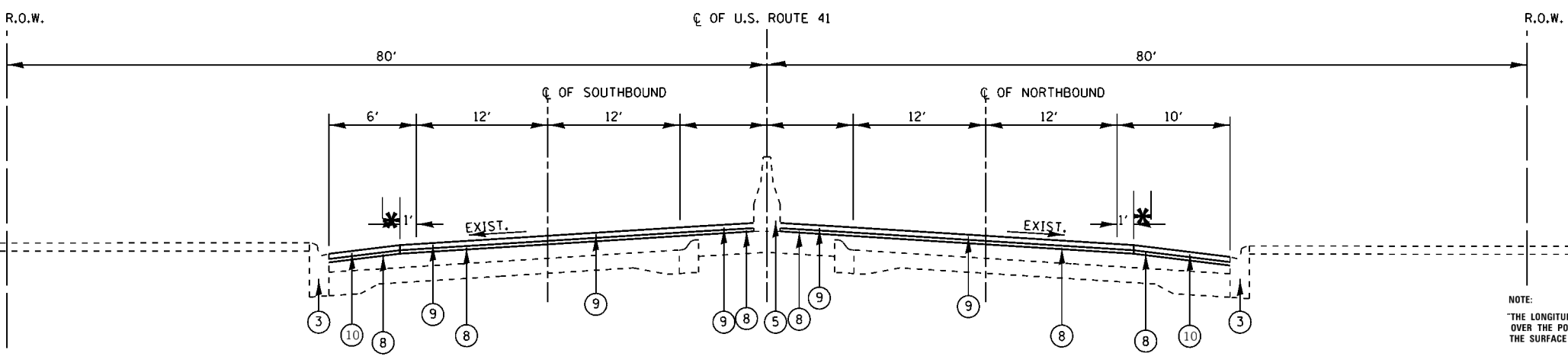
- ① EXISTING P.C. CONCRETE PAVEMENT, 10"
- ② EXISTING HMA CONCRETE SURFACE, | 10 1/2 "
- ③ EXISTING COMBINATION CONCRETE CURB AND GUTTER
- ④ EXISTING GRAVEL OR CRUSHED STONE SHOULDER
- ⑤ EXISTING CONCRETE BARRIER AND CONCRETE BARRIER, SPECIAL
- ⑥ EXISTING HMA SHOULDER, 10"
- ⑦ PROPOSED HMA SURFACE REMOVAL, 2 1/2"
- ⑧ PROPOSED POLYMERIZED LEVELING BINDER, (MM)
IL 4.75, N50, 3/4"
- ⑨ PROPOSED POLYMERIZED HMA SURFACE COURSE STONE MATRIX ASPHALT, 9.5,
N80, 1 3/4"
- ⑩ PROPOSED HMA SURFACE COURSE, MIX "D"
N70, 1 3/4"
- ⑪ PROPOSED AGGREGATE WEDGE SHOULDERS, TYPE B
- ⑫ PROPOSED GRADING AND SHAPING SHOULDERS



NOTE:
THE LONGITUDINAL JOINT SEALANT SHALL BE PLACED
OVER THE POLYMERIZED LEVELING BINDER WHERE
THE SURFACE JOINT WILL BE LOCATED



EXISTING TYPICAL SECTION
STA. 28+10 TO STA. 68+10
STA. 113+15 TO STA. 173+75



PROPOSED TYPICAL SECTION
STA. 28+10 TO STA. 68+10
STA. 113+15 TO STA. 173+75

* RUMBLE STRIPS (16") WIDE
FROM THE BEGINNING OF
STATION TO END OF STATION

MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE USES	VOIDS @ Ndes	
PAVEMENT & SHOULDER RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm)	4% AT 70 GYR.	QC/QA
POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, N80	3.5% AT 80 GYR.	PPF
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	3.5% AT 50 GYR.	QCP
PATCHING		
CLASS D PATCHES (HMA BINDER, IL-19.0 mm)	4% AT 70 GYR.	QC/QA
MEDIAN		
HMA MEDIAN, 4" (HMA SURFACE CSE, MIX D, N70) (IL-9.5 mm)	4% AT 70 GYR.	QC/QA
QMP Designation: Quality Control/Quality Assurance (QC/QA); Quality Control for Performance (QCP); PAY FOR PERFORMANCE (PPF)		

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SOYD/IN

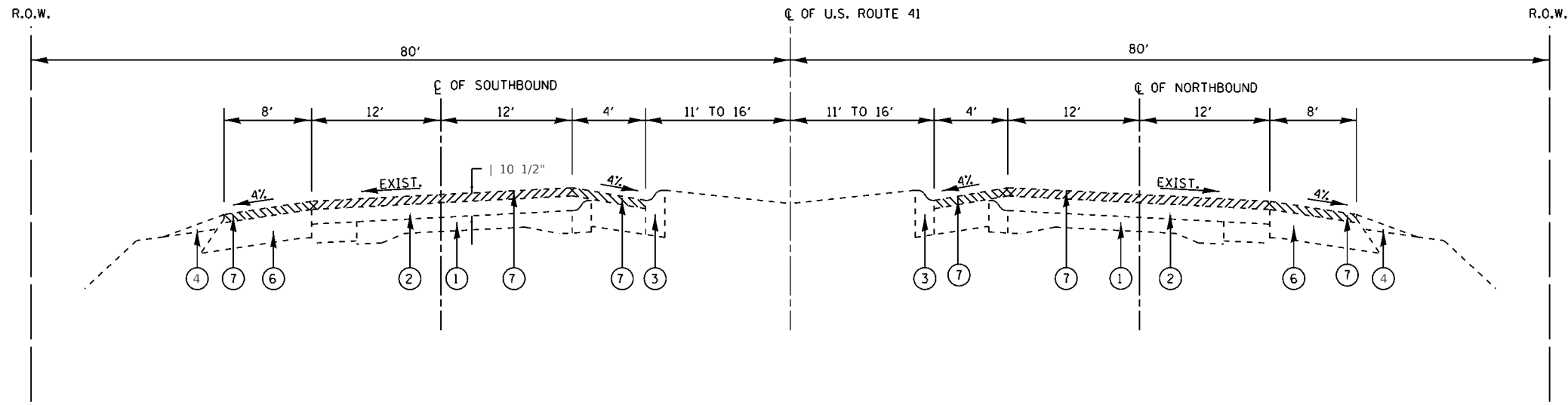
NOTE 2: THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

QUALITY MANAGEMENT PROGRAM (QMP) IDENTIFIES THE PARTICULAR QUALITY CONTROL SPECIFICATION THAT APPLIES TO THE HMA MIXTURE

THE CONTRACTOR SHALL MILL FIRST BEFORE PATCHING.

MODEL: Default
 FILE: \\mdele\public\B4E6D0E3E1\Illinois.gov\PWD\DOT\Documents\DOT_Offices\District 1\Projects\138416\CADD\138416.dwg:plan.dgn

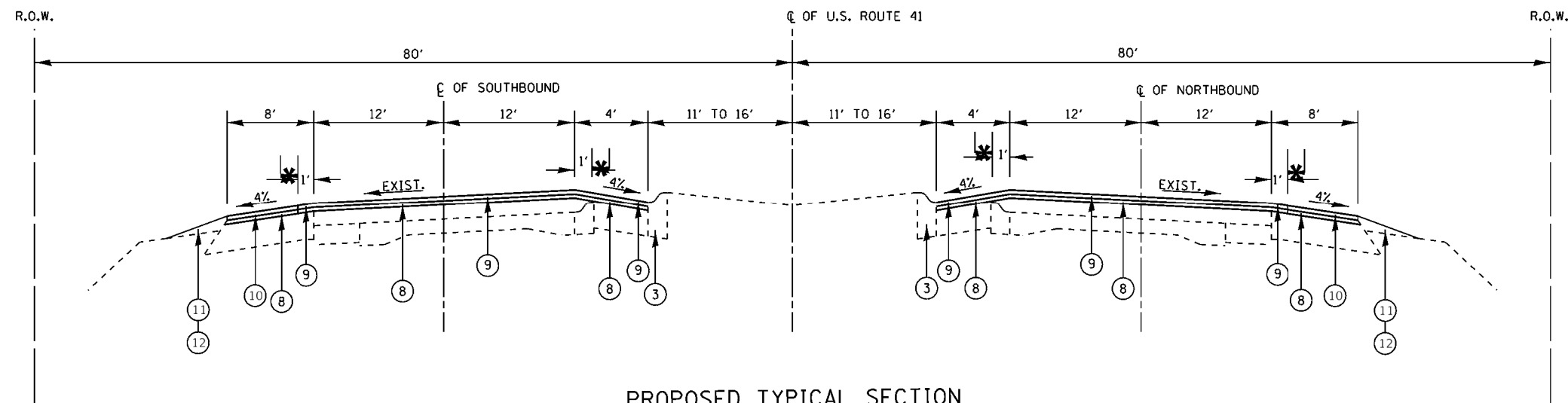
USER NAME = quillaumefp PLOT SCALE = 100.0000' / in. PLOT DATE = 10/18/2018	DESIGNED - DRAWN - CHECKED - DATE -	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING TYPICAL SECTION U.S. RTE. 41 (IL RTE 120 (BELVIDERE RD. TO IL RTE. 176 (ROCKLAND RD.)) SCALE: NONE	SHEET OF SHEETS STA. TO STA.	F.A.P. RTE. 346 SECTION 125R5-2 COUNTY LAKE ILLINOIS FED. AID PROJECT	TOTAL SHEETS 34 SHEET NO. 6 CONTRACT NO. 62C77
---	--	--	---	---	---------------------------------	--	--



EXISTING TYPICAL SECTION
STA. 73+75 TO STA. 113+15

LEGEND

- ① EXISTING P.C. CONCRETE PAVEMENT, 10"
 - ② EXISTING HMA CONCRETE SURFACE, 1 10 1/2 "
 - ③ EXISTING COMBINATION CONCRETE CURB AND GUTTER
 - ④ EXISTING GRAVEL OR CRUSHED STONE SHOULDER
 - ⑤ EXISTING CONCRETE BARRIER AND CONCRETE BARRIER, SPECIAL
 - ⑥ EXISTING HMA SHOULDER, 10"
 - ⑦ PROPOSED HMA SURFACE REMOVAL, 2 1/2"
 - ⑧ PROPOSED POLYMERIZED LEVELING BINDER, (MM) IL 4.75, N50, 3/4"
 - ⑨ PROPOSED POLYMERIZED HMA SURFACE COURSE STONE MATRIX ASPHALT, 9.5, N80, 1 3/4"
 - ⑩ PROPOSED HMA SURFACE COURSE, MIX "D" N70, 1 3/4"
 - ⑪ PROPOSED AGGREGATE WEDGE SHOULDERS, TYPE B
 - ⑫ PROPOSED GRADING AND SHAPING SHOULDERS
- HMA SURFACE REMOVAL



PROPOSED TYPICAL SECTION
STA. 73+75 TO STA. 113+15

* RUMBLE STRIPS (16") WIDE
FROM THE BEGINNING OF
STATION TO END OF STATION

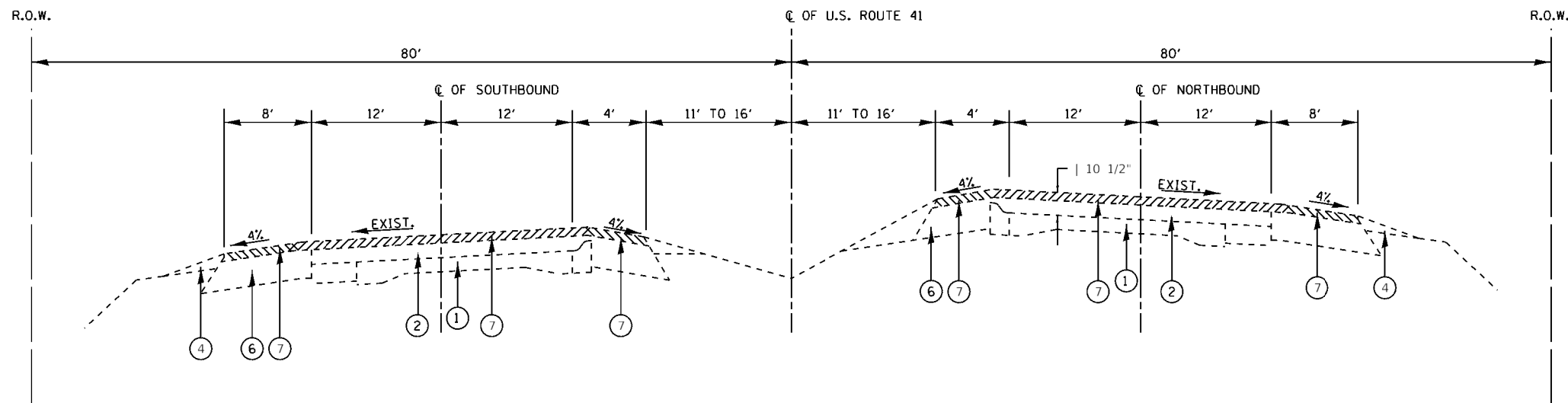
MODEL: Default
FILE: Model - 346110484EINDITEG Illinois.gov.PWDOT Documents\District 1\Projects\1238416\CADD\1238416.dwg: plan.dgn

USER NAME = quillaumefp	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/18/2018	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING TYPICAL SECTION	
U.S. RTE. 41 (IL RTE 120 (BELVIDERE RD. TO IL RTE. 176 (ROCKLAND RD.))	
SCALE: NONE	SHEET OF SHEETS STA. TO STA.

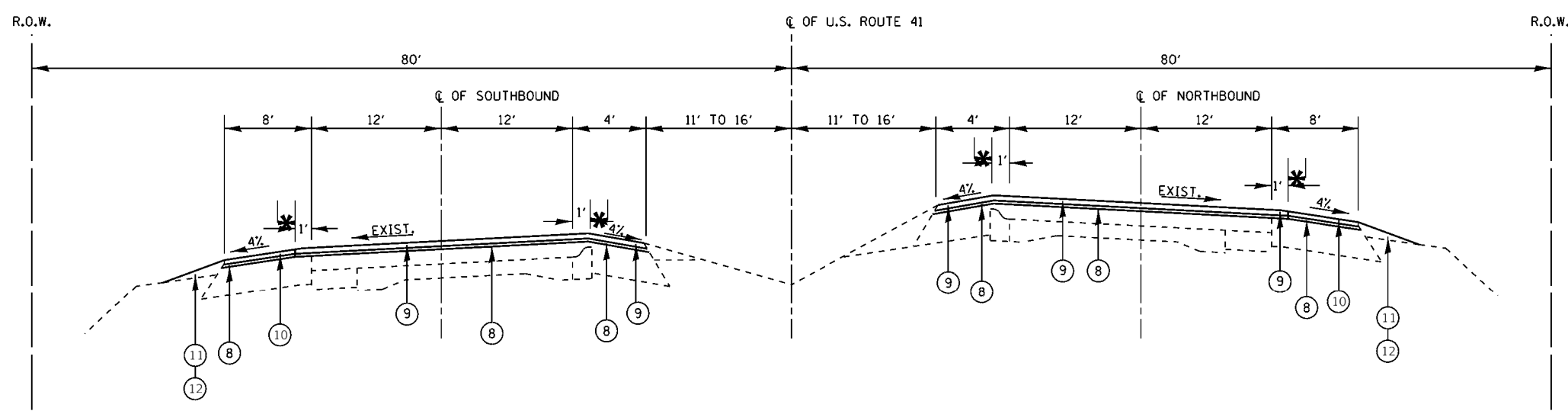
F.A.P. RTE. 346	SECTION 125R5-2	COUNTY LAKE	TOTAL SHEETS 34	SHEET NO. 7
ILLINOIS FED. AID PROJECT CONTRACT NO. 62C77				



EXISTING TYPICAL SECTION
 STA. 68+10 TO STA. 73+75
 STA. 173+75 TO STA. 277+00

LEGEND

- ① EXISTING P.C. CONCRETE PAVEMENT, 10"
- ② EXISTING HMA CONCRETE SURFACE, 1 1/2"
- ③ EXISTING COMBINATION CONCRETE CURB AND GUTTER
- ④ EXISTING GRAVEL OR CRUSHED STONE SHOULDER
- ⑤ EXISTING CONCRETE BARRIER AND CONCRETE BARRIER, SPECIAL
- ⑥ EXISTING HMA SHOULDER, 10"
- ⑦ PROPOSED HMA SURFACE REMOVAL, 2 1/2"
- ⑧ PROPOSED POLYMERIZED LEVELING BINDER, (MM) IL 4.75, N50, 3/4"
- ⑨ PROPOSED POLYMERIZED HMA SURFACE COURSE STONE MATRIX ASPHALT, 9.5, N80, 1 3/4"
- ⑩ PROPOSED HMA SURFACE COURSE, MIX "D" N70, 1 3/4"
- ⑪ PROPOSED AGGREGATE WEDGE SHOULDERS, TYPE B
- ⑫ PROPOSED GRADING AND SHAPING SHOULDERS



PROPOSED TYPICAL SECTION
 STA. 68+10 TO STA. 73+75
 STA. 173+75 TO STA. 277+00

* RUMBLE STRIPS (16") WIDE FROM THE BEGINNING OF STATION TO END OF STATION

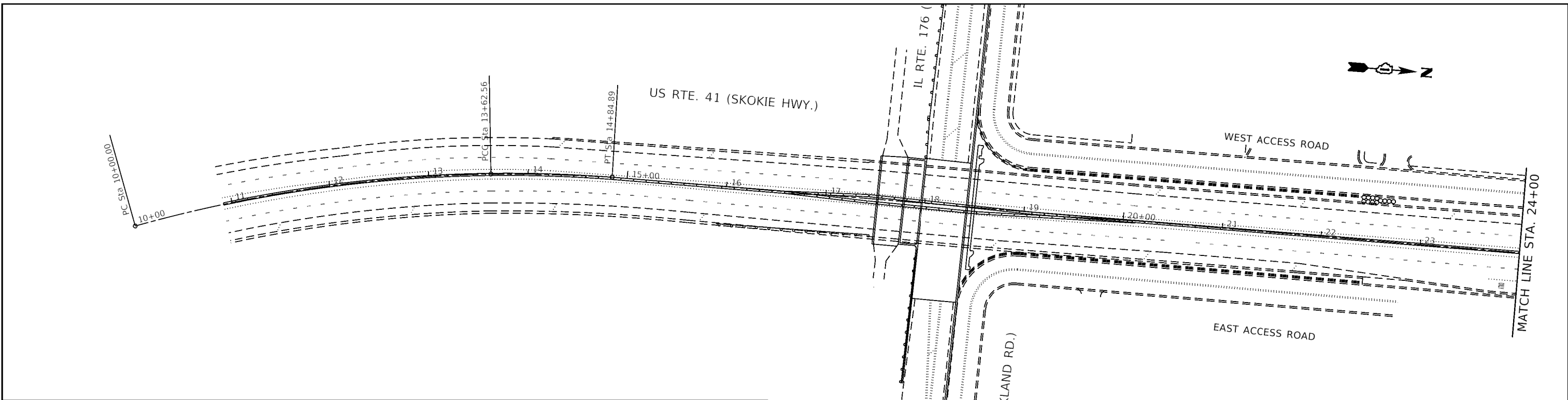
MODEL: Default
 FILE: Model - 301110484EINDITEG Illinois.gov.PWDOT.Documents\DOT_Offices\District 1\Projects\138416\CADD\138416.dwg: plan.dgn

USER NAME = quillaumefp	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/18/2018	DATE -	REVISED -

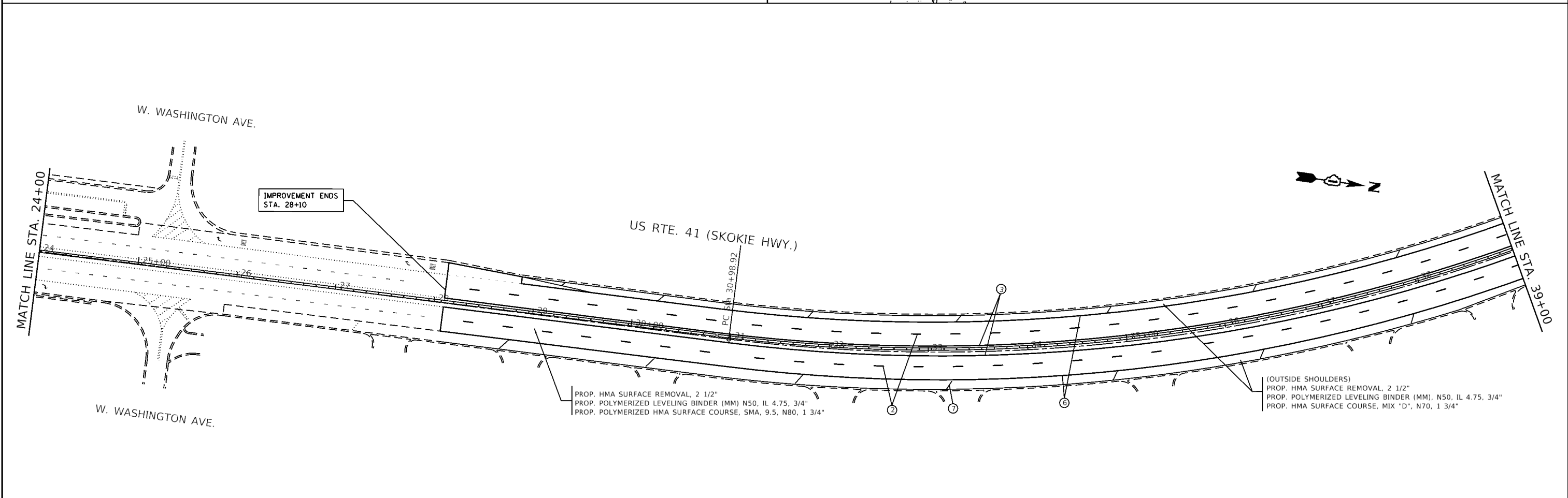
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

EXISTING TYPICAL SECTION	
U.S. RTE. 41 (IL RTE 120 (BELVIDERE RD. TO IL RTE. 176 (ROCKLAND RD.))	
SCALE: NONE	SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	125R5-2	LAKE	34	8
CONTRACT NO. 62C77				
ILLINOIS FED. AID PROJECT				



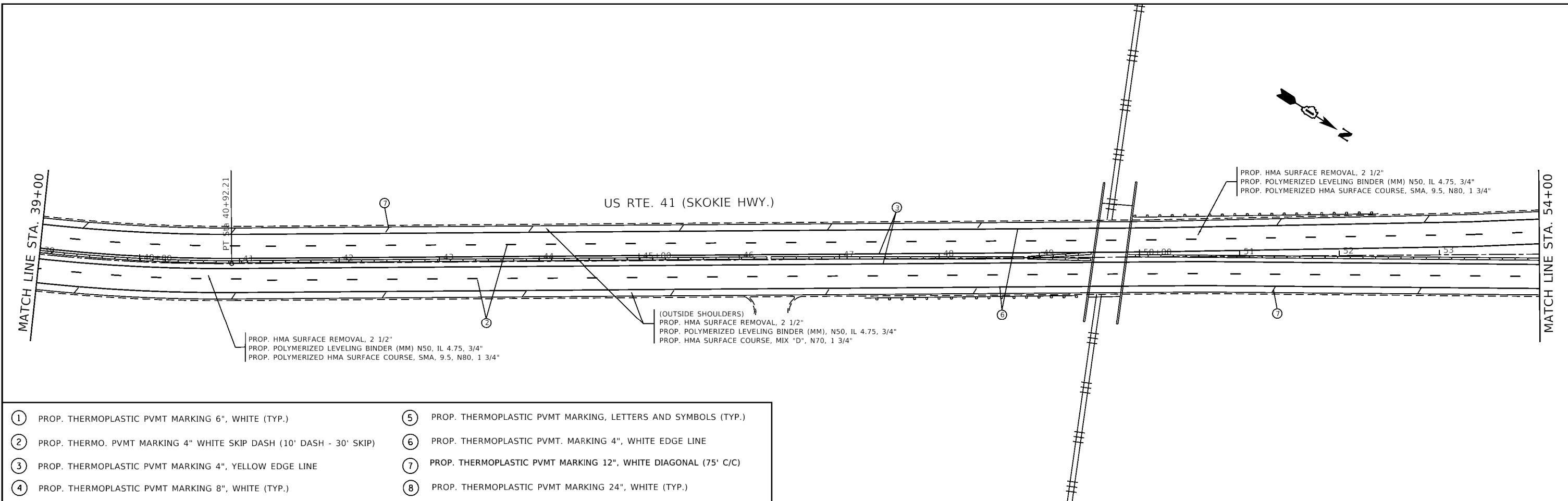
- | | |
|---|--|
| ① PROP. THERMOPLASTIC PVMT MARKING 6", WHITE (TYP.) | ⑤ PROP. THERMOPLASTIC PVMT MARKING, LETTERS AND SYMBOLS (TYP.) |
| ② PROP. THERMO. PVMT MARKING 4" WHITE SKIP DASH (10' DASH - 30' SKIP) | ⑥ PROP. THERMOPLASTIC PVMT. MARKING 4", WHITE EDGE LINE |
| ③ PROP. THERMOPLASTIC PVMT MARKING 4", YELLOW EDGE LINE | ⑦ PROP. THERMOPLASTIC PVMT MARKING 12", WHITE DIAGONAL (75' C/C) |
| ④ PROP. THERMOPLASTIC PVMT MARKING 8", WHITE (TYP.) | ⑧ PROP. THERMOPLASTIC PVMT MARKING 24", WHITE (TYP.) |



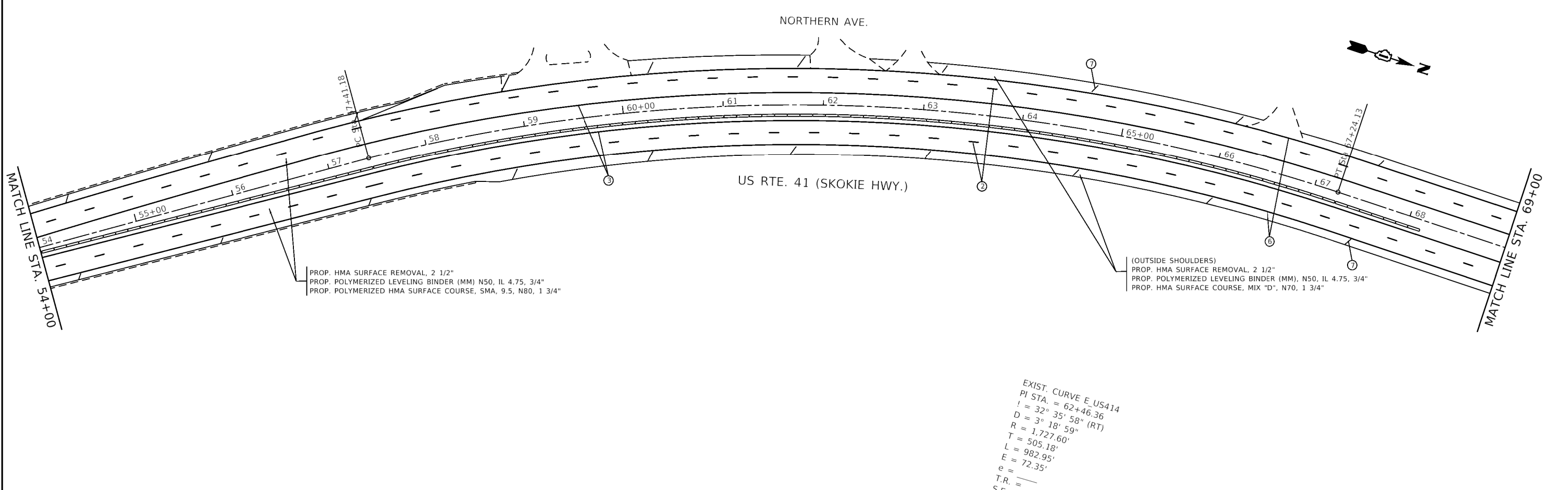
PROP. HMA SURFACE REMOVAL, 2 1/2"
 PROP. POLYMERIZED LEVELING BINDER (MM) N50, IL 4.75, 3/4"
 PROP. POLYMERIZED HMA SURFACE COURSE, SMA, 9.5, N80, 1 3/4"

(OUTSIDE SHOULDERS)
 PROP. HMA SURFACE REMOVAL, 2 1/2"
 PROP. POLYMERIZED LEVELING BINDER (MM), N50, IL 4.75, 3/4"
 PROP. HMA SURFACE COURSE, MIX "D", N70, 1 3/4"

FILE NAME =	USER NAME = guillaumefp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw\ill084EBIDINTEG\illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\DI384\BROW\Design\DI38416-sht-plen.dgn		CHECKED -	REVISED -		US ROUTE 41 (IL RTE. 120 (BELVIDERE RD.) - IL RTE. 176 (ROCKLAND RD.))			346	125RS-2	LAKE	34	9	
Default	PLOT SCALE = 100.0000' / 1in.	DATE -	REVISED -		SCALE: 1" = 50'	SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 62C77	
	PLOT DATE = 10/19/2018				ILLINOIS FED. AID PROJECT								



- | | |
|---|--|
| ① PROP. THERMOPLASTIC PVMT MARKING 6", WHITE (TYP.) | ⑤ PROP. THERMOPLASTIC PVMT MARKING, LETTERS AND SYMBOLS (TYP.) |
| ② PROP. THERMO. PVMT MARKING 4" WHITE SKIP DASH (10' DASH - 30' SKIP) | ⑥ PROP. THERMOPLASTIC PVMT. MARKING 4", WHITE EDGE LINE |
| ③ PROP. THERMOPLASTIC PVMT MARKING 4", YELLOW EDGE LINE | ⑦ PROP. THERMOPLASTIC PVMT MARKING 12", WHITE DIAGONAL (75' C/C) |
| ④ PROP. THERMOPLASTIC PVMT MARKING 8", WHITE (TYP.) | ⑧ PROP. THERMOPLASTIC PVMT MARKING 24", WHITE (TYP.) |

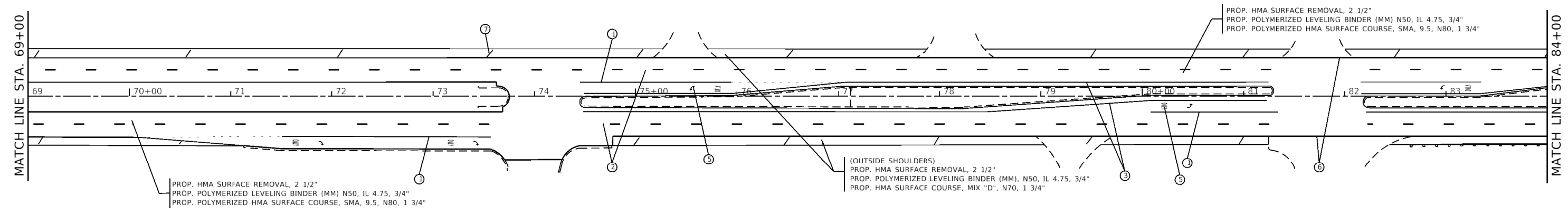


EXIST. CURVE E_US414
 PI STA. = 62+46.36
 I = 32° 35' 58" (RT)
 D = 3° 18' 59"
 R = 1,727.60'
 T = 505.18'
 L = 982.95'
 E = 72.35'
 e = —
 T.R. = —
 S.E. RUN = —

FILE NAME =	USER NAME = gulloumefp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
p:\11\084EBID\INTEG\illinois.gov\FWIDOT\Documents\IDOT Offices\District 1\Projects\DI384\BROWNSTO\Design\DI38416-sht-plan.dgn					REVISED -	US ROUTE 41 (IL RTE. 120 (BELVIDERE RD.) – IL RTE. 176 (ROCKLAND RD.))			346	125RS-2	LAKE	34	10
PLOT SCALE = 100.0000' / 1in.					CHECKED -	REVISED -	SCALE: 1" = 50'	SHEET	OF	SHEETS	STA.	TO	STA.
Default					DATE -	REVISED -				ILLINOIS FED. AID PROJECT			



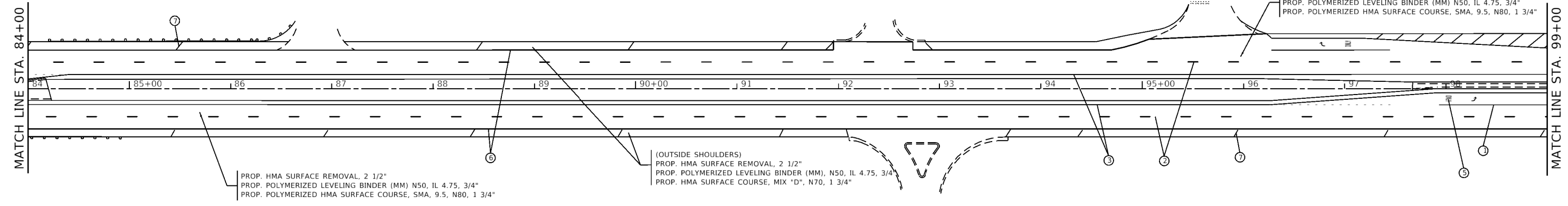
US RTE. 41 (SKOKIE HWY.)



- | | |
|---|--|
| ① PROP. THERMOPLASTIC PVMT MARKING 6", WHITE (TYP.) | ⑤ PROP. THERMOPLASTIC PVMT MARKING, LETTERS AND SYMBOLS (TYP.) |
| ② PROP. THERMO. PVMT MARKING 4" WHITE SKIP DASH (10' DASH - 30' SKIP) | ⑥ PROP. THERMOPLASTIC PVMT. MARKING 4", WHITE EDGE LINE |
| ③ PROP. THERMOPLASTIC PVMT MARKING 4", YELLOW EDGE LINE | ⑦ PROP. THERMOPLASTIC PVMT MARKING 12", WHITE DIAGONAL (75' C/C) |
| ④ PROP. THERMOPLASTIC PVMT MARKING 8", WHITE (TYP.) | ⑧ PROP. THERMOPLASTIC PVMT MARKING 24", WHITE (TYP.) |

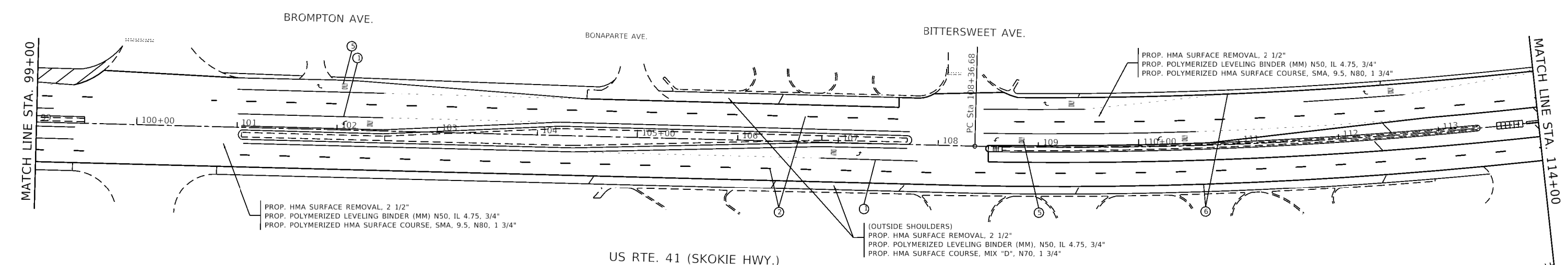


US RTE. 41 (SKOKIE HWY.)

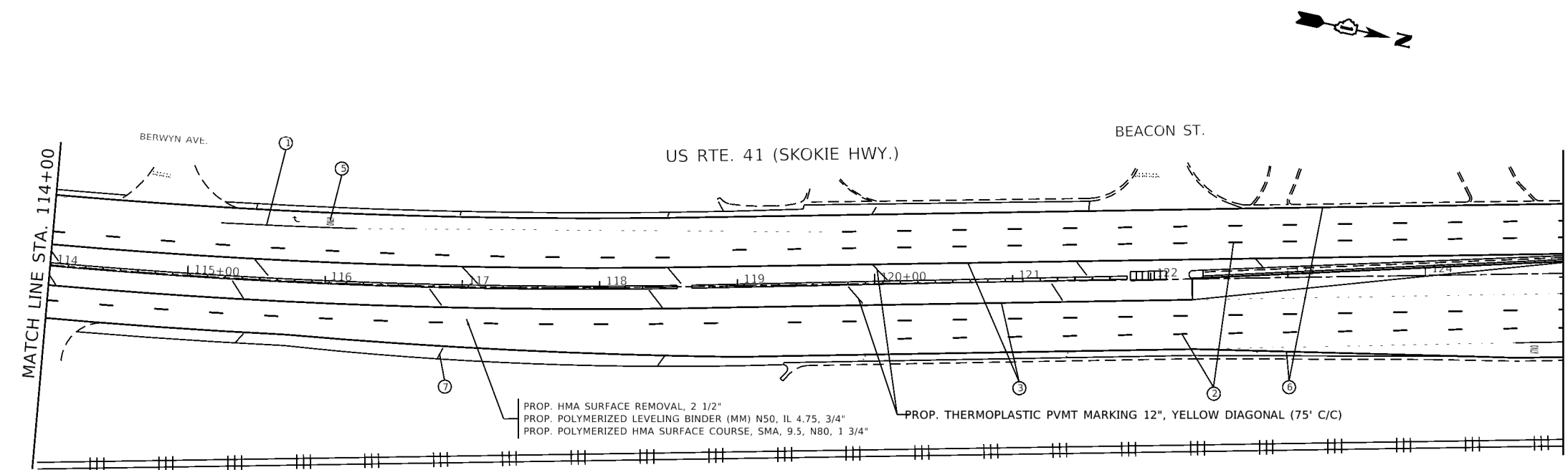


FILE NAME = p:\11\084EBID\INTEG\illinois.gov\FWIDOT\Documents\IDOT Offices\District 1\Projects\DI384\BROW\Design\DI38416-sht-plan.dgn	USER NAME = guillaumefp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN			F.A.P. RTE. = 346	SECTION = 125RS-2	COUNTY = LAKE	TOTAL SHEETS = 34	SHEET NO. = 11
	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -		US ROUTE 41 (IL RTE. 120 (BELVIDERE RD.) - IL RTE. 176 (ROCKLAND RD.))			CONTRACT NO. 62C77				
Default	PLOT DATE = 10/19/2018	DATE -	REVISED -	SCALE: 1" = 50'			SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT			

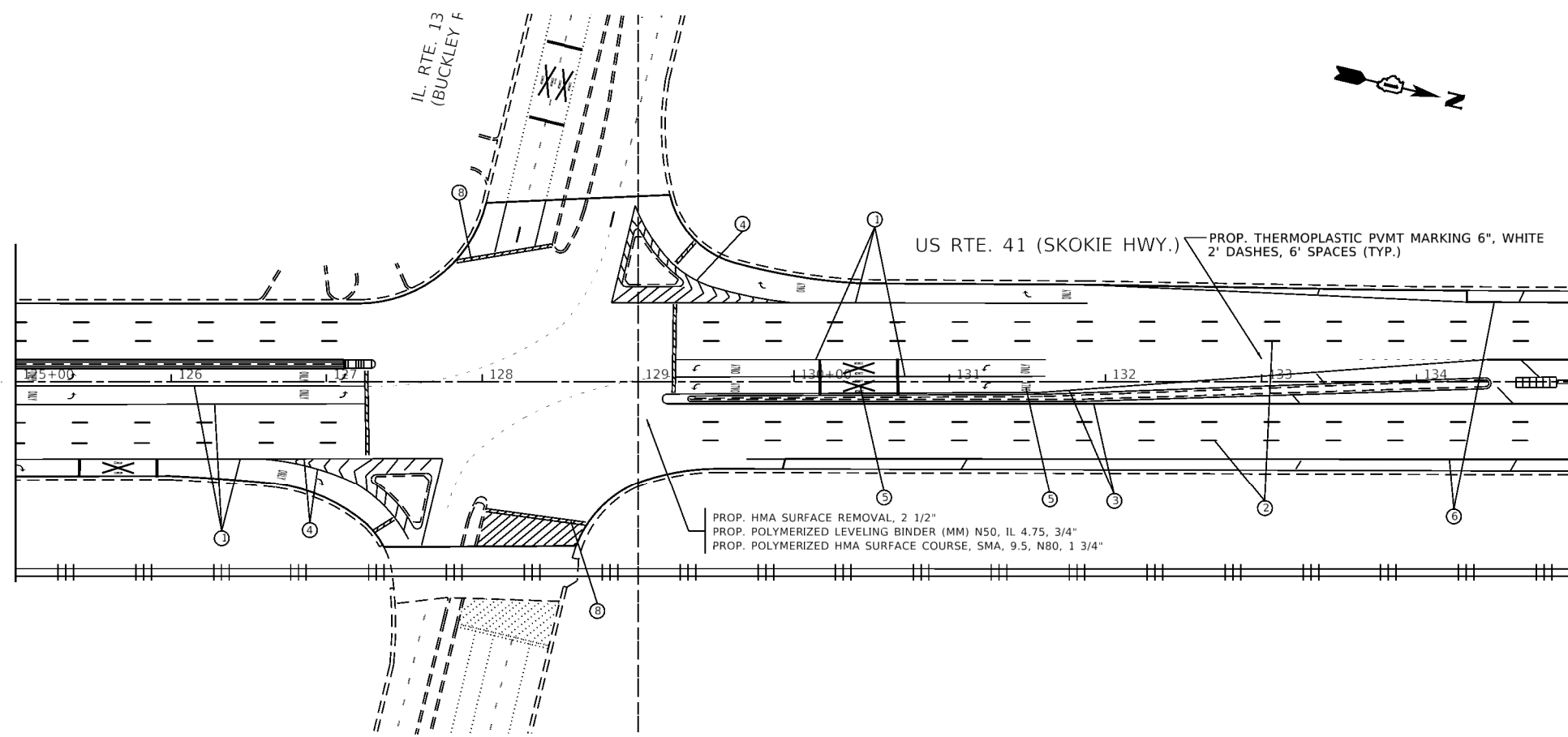
T.R. =
 S.E. RUN =
 P.C. STA. = 108+36.68
 P.T. STA. = 118+62.81



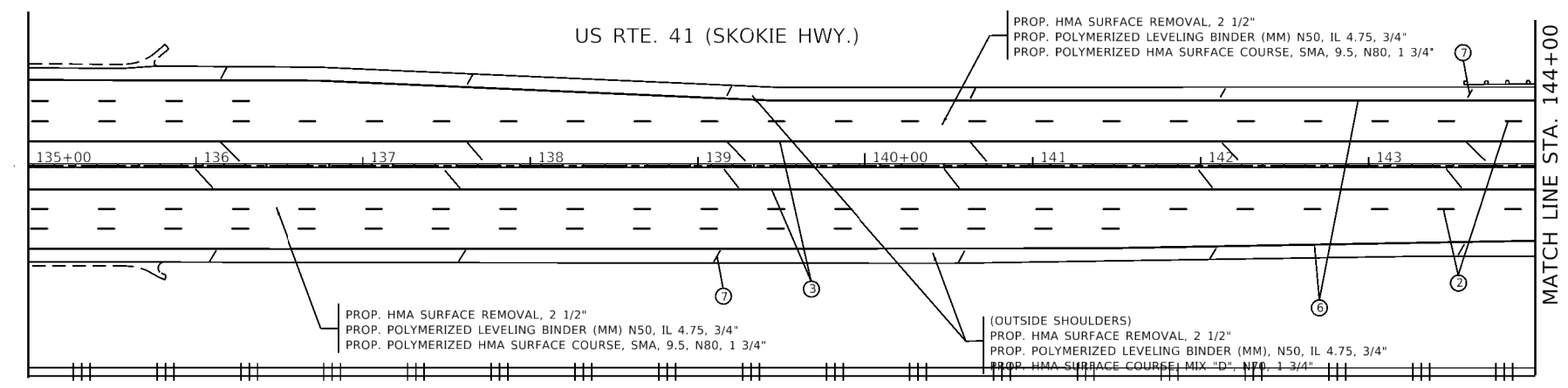
- | | |
|---|--|
| ① PROP. THERMOPLASTIC PVMT MARKING 6", WHITE (TYP.) | ⑤ PROP. THERMOPLASTIC PVMT MARKING, LETTERS AND SYMBOLS (TYP.) |
| ② PROP. THERMO. PVMT MARKING 4" WHITE SKIP DASH (10' DASH - 30' SKIP) | ⑥ PROP. THERMOPLASTIC PVMT. MARKING 4", WHITE EDGE LINE |
| ③ PROP. THERMOPLASTIC PVMT MARKING 4", YELLOW EDGE LINE | ⑦ PROP. THERMOPLASTIC PVMT MARKING 12", WHITE DIAGONAL (75' C/C) |
| ④ PROP. THERMOPLASTIC PVMT MARKING 8", WHITE (TYP.) | ⑧ PROP. THERMOPLASTIC PVMT MARKING 24", WHITE (TYP.) |



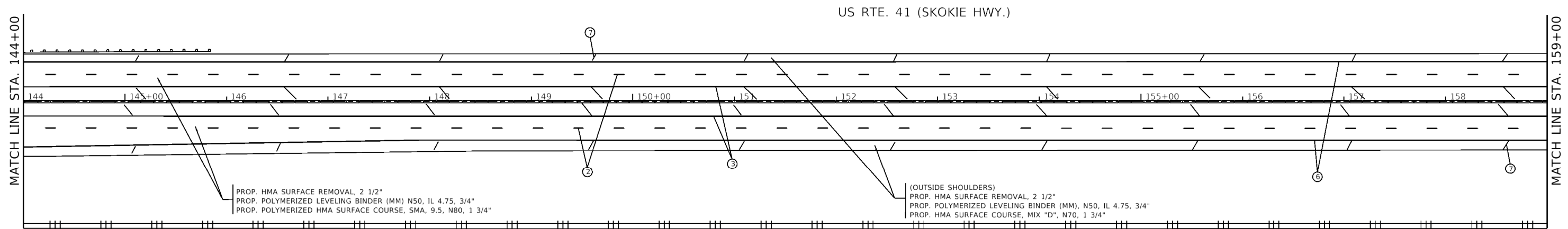
FILE NAME = p:\11804EBID\INTEG\illinois.gov\FWIDOT\Documents\IDOT Offices\District 1\Projects\DI384\Brompton\Design\DI38416-sht-plan.dgn	USER NAME = guillaumejp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN			F.A.P. RTE. = 346	SECTION = 125RS-2	COUNTY = LAKE	TOTAL SHEETS = 34	SHEET NO. = 12
	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -		US ROUTE 41 (IL RTE. 120 (BELVIDERE RD.) - IL RTE. 176 (ROCKLAND RD.))			CONTRACT NO. 62C77				
Default	PLOT DATE = 10/19/2018	DATE -	REVISED -	SCALE: 1" = 50'			SHEET OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT			



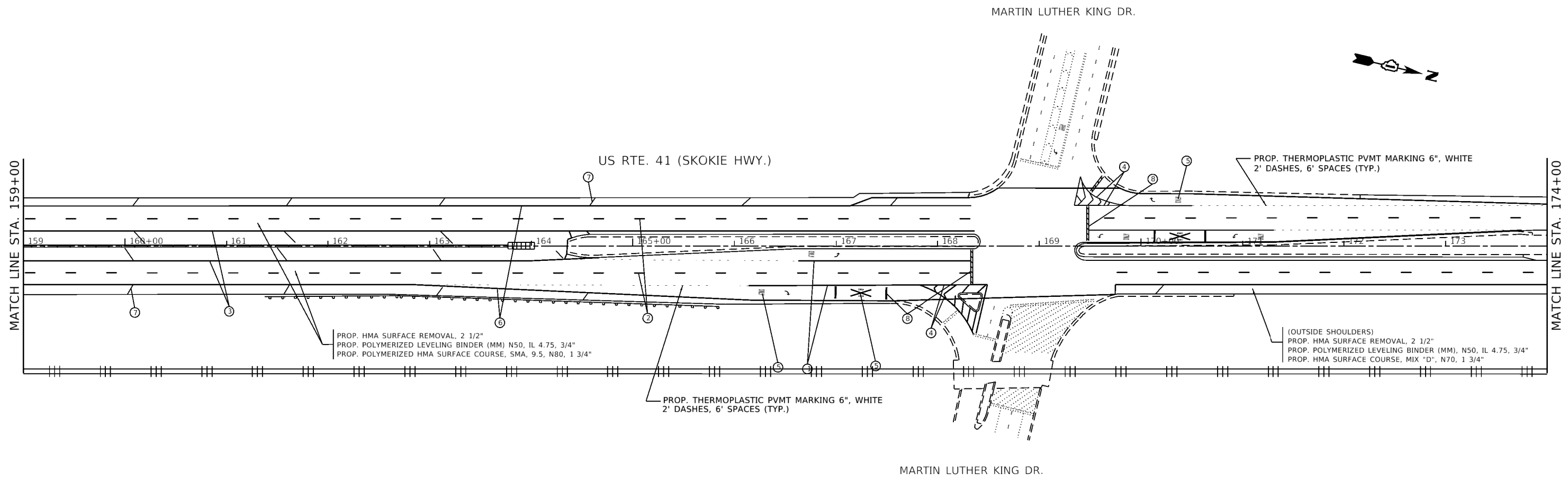
- ① PROP. THERMOPLASTIC PVMT MARKING 6", WHITE (TYP.)
- ② PROP. THERMO. PVMT MARKING 4" WHITE SKIP DASH (10' DASH - 30' SKIP)
- ③ PROP. THERMOPLASTIC PVMT MARKING 4", YELLOW EDGE LINE
- ④ PROP. THERMOPLASTIC PVMT MARKING 8", WHITE (TYP.)
- ⑤ PROP. THERMOPLASTIC PVMT MARKING, LETTERS AND SYMBOLS (TYP.)
- ⑥ PROP. THERMOPLASTIC PVMT. MARKING 4", WHITE EDGE LINE
- ⑦ PROP. THERMOPLASTIC PVMT MARKING 12", WHITE DIAGONAL (75' C/C)
- ⑧ PROP. THERMOPLASTIC PVMT MARKING 24", WHITE (TYP.)



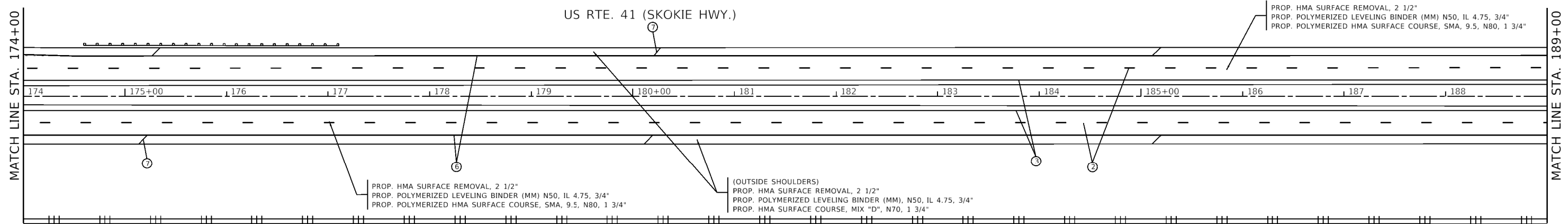
FILE NAME =	USER NAME = gulloumefp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN			F.A.P. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
					US ROUTE 41 (IL RTE. 120 (BELVIDERE RD.) – IL RTE. 176 (ROCKLAND RD.))	346	125RS-2	LAKE	34	13			
					SCALE: 1" = 50'	SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 62C77	
Default	PLOT DATE = 10/19/2018	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								



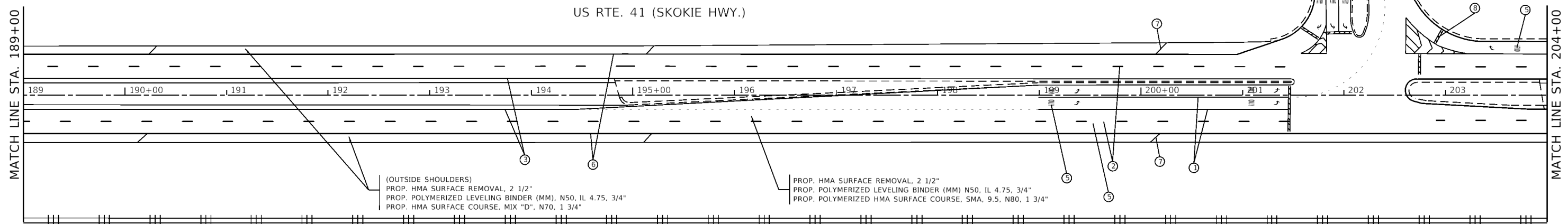
- | | |
|---|--|
| ① PROP. THERMOPLASTIC PVMT MARKING 6", WHITE (TYP.) | ⑤ PROP. THERMOPLASTIC PVMT MARKING, LETTERS AND SYMBOLS (TYP.) |
| ② PROP. THERMO. PVMT MARKING 4" WHITE SKIP DASH (10' DASH - 30' SKIP) | ⑥ PROP. THERMOPLASTIC PVMT. MARKING 4", WHITE EDGE LINE |
| ③ PROP. THERMOPLASTIC PVMT MARKING 4", YELLOW EDGE LINE | ⑦ PROP. THERMOPLASTIC PVMT MARKING 12", WHITE DIAGONAL (75' C/C) |
| ④ PROP. THERMOPLASTIC PVMT MARKING 8", WHITE (TYP.) | ⑧ PROP. THERMOPLASTIC PVMT MARKING 24", WHITE (TYP.) |



FILE NAME = p:\11\084EBID\INTEG\illinois.gov\FWIDOT\Documents\IDOT Offices\District 1\Projects\DI384\BROWns\Design\DI38416-sht-pln.dgn	USER NAME = gulloumefp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN		F.A.P. RTE. 346	SECTION 125RS-2	COUNTY LAKE	TOTAL SHEETS 34	SHEET NO. 14
	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -		US ROUTE 41 (IL RTE. 120 (BELVIDERE RD.) - IL RTE. 176 (ROCKLAND RD.))		SHEET OF SHEETS STA. TO STA.		CONTRACT NO. 62C77		
Default	PLOT DATE = 10/19/2018	DATE -	REVISED -	ILLINOIS FED. AID PROJECT							

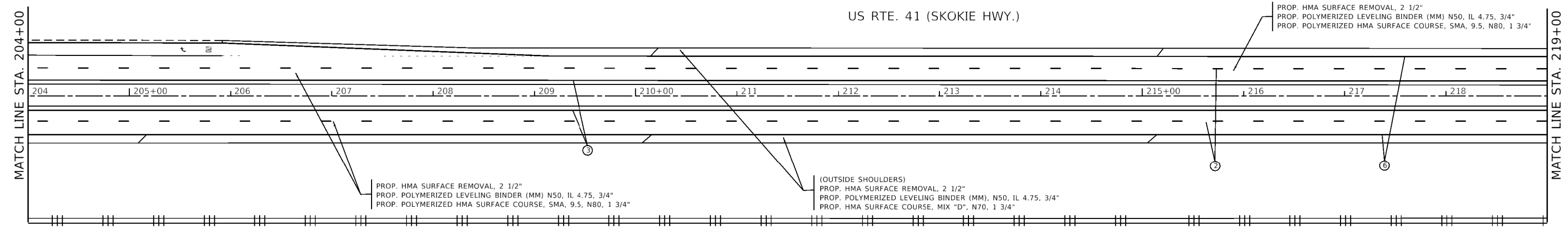


- | | |
|---|--|
| ① PROP. THERMOPLASTIC PVMT MARKING 6", WHITE (TYP.) | ⑤ PROP. THERMOPLASTIC PVMT MARKING, LETTERS AND SYMBOLS (TYP.) |
| ② PROP. THERMO. PVMT MARKING 4" WHITE SKIP DASH (10' DASH - 30' SKIP) | ⑥ PROP. THERMOPLASTIC PVMT. MARKING 4", WHITE EDGE LINE |
| ③ PROP. THERMOPLASTIC PVMT MARKING 4", YELLOW EDGE LINE | ⑦ PROP. THERMOPLASTIC PVMT MARKING 12", WHITE DIAGONAL (75' C/C) |
| ④ PROP. THERMOPLASTIC PVMT MARKING 8", WHITE (TYP.) | ⑧ PROP. THERMOPLASTIC PVMT MARKING 24", WHITE (TYP.) |

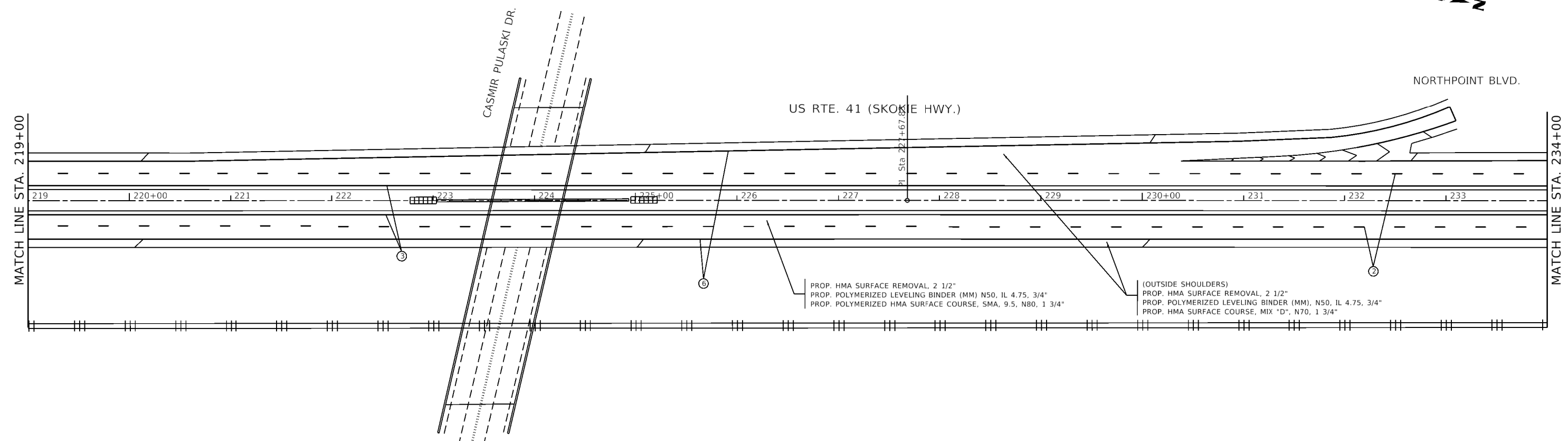


AMHURST PKWY.

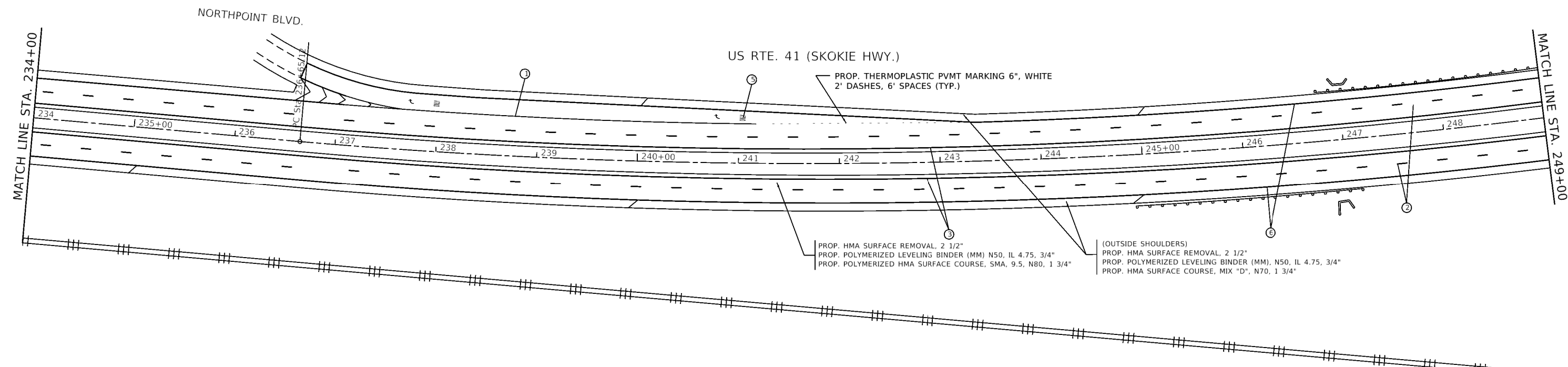
FILE NAME =	USER NAME = gulloumefp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
p:\11084EBID\INTEG\illinois.gov\FWIDOT\Documents\IDOT Offices\District 1\Projects\DI384\BROWNSTO\Design\DI38416-sht-plan.dgn		CHECKED -	REVISED -		US ROUTE 41 (IL RTE. 120 (BELVIDERE RD.) - IL RTE. 176 (ROCKLAND RD.))			346	125RS-2	LAKE	34	15	
Default	PLOT SCALE = 100.0000' / 1in.	DATE -	REVISED -		SCALE: 1" = 50'	SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 62C77	
	PLOT DATE = 10/19/2018				ILLINOIS FED. AID PROJECT								



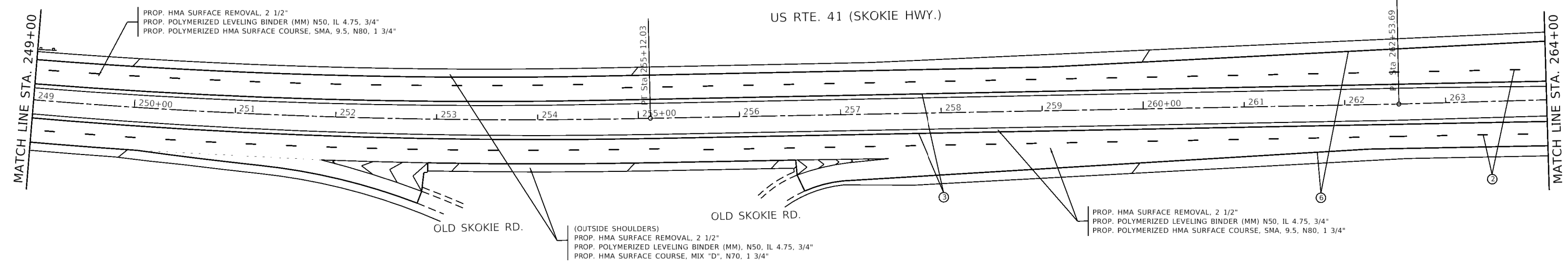
- | | |
|---|--|
| ① PROP. THERMOPLASTIC PVMT MARKING 6", WHITE (TYP.) | ⑤ PROP. THERMOPLASTIC PVMT MARKING, LETTERS AND SYMBOLS (TYP.) |
| ② PROP. THERMO. PVMT MARKING 4" WHITE SKIP DASH (10' DASH - 30' SKIP) | ⑥ PROP. THERMOPLASTIC PVMT. MARKING 4", WHITE EDGE LINE |
| ③ PROP. THERMOPLASTIC PVMT MARKING 4", YELLOW EDGE LINE | ⑦ PROP. THERMOPLASTIC PVMT MARKING 12", WHITE DIAGONAL (75' C/C) |
| ④ PROP. THERMOPLASTIC PVMT MARKING 8", WHITE (TYP.) | ⑧ PROP. THERMOPLASTIC PVMT MARKING 24", WHITE (TYP.) |



FILE NAME =	USER NAME = gulloumefp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN			F.A.P. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
p:\11\084EBID\INTEG\illinois.gov\FWIDOT\Documents\IDOT Offices\District 1\Projects\DI384\BROW\Design\DI38416-sht-plen.dgn		CHECKED -	REVISED -		US ROUTE 41 (IL RTE. 120 (BELVIDERE RD.) – IL RTE. 176 (ROCKLAND RD.))			346	125RS-2	LAKE	34	16	
Default	PLOT SCALE = 100.0000' / 1in.	DATE -	REVISED -		SCALE: 1" = 50'	SHEET	OF	SHEETS	STA.	TO	STA.	CONTRACT NO. 62C77	
	PLOT DATE = 10/19/2018				ILLINOIS FED. AID PROJECT								

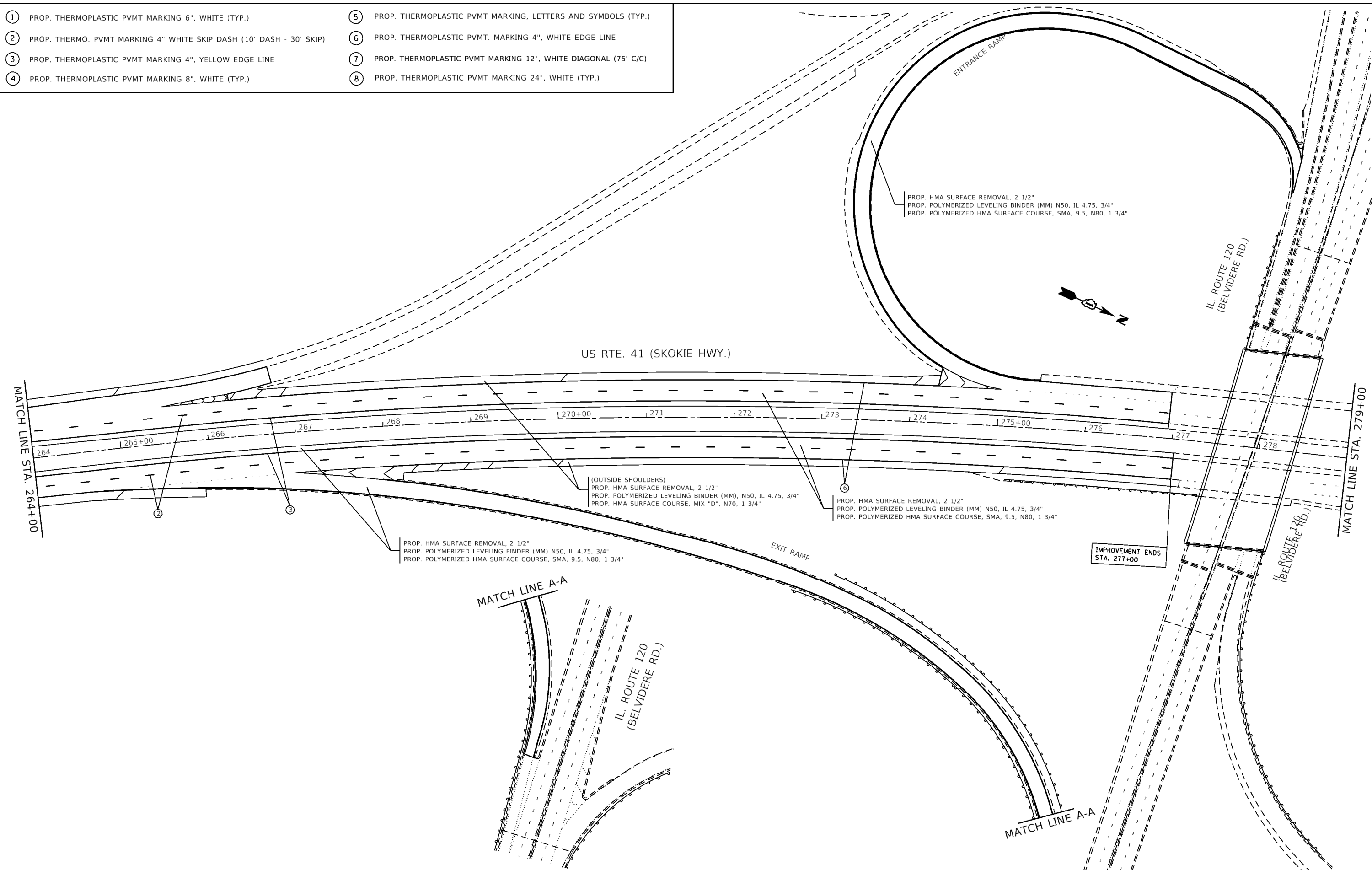


- ① PROP. THERMOPLASTIC PVMT MARKING 6", WHITE (TYP.)
- ② PROP. THERMO. PVMT MARKING 4" WHITE SKIP DASH (10' DASH - 30' SKIP)
- ③ PROP. THERMOPLASTIC PVMT MARKING 4", YELLOW EDGE LINE
- ④ PROP. THERMOPLASTIC PVMT MARKING 8", WHITE (TYP.)
- ⑤ PROP. THERMOPLASTIC PVMT MARKING, LETTERS AND SYMBOLS (TYP.)
- ⑥ PROP. THERMOPLASTIC PVMT MARKING 4", WHITE EDGE LINE
- ⑦ PROP. THERMOPLASTIC PVMT MARKING 12", WHITE DIAGONAL (75' C/C)
- ⑧ PROP. THERMOPLASTIC PVMT MARKING 24", WHITE (TYP.)



FILE NAME =	USER NAME = gulloumefp	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN			F.A.P. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
					US ROUTE 41 (IL RTE. 120 (BELVIDERE RD.) - IL RTE. 176 (ROCKLAND RD.))			346	125RS-2	LAKE	34	17	
					SCALE: 1" = 50'			SHEET	OF	SHEETS	STA.	TO	STA.
								ILLINOIS FED. AID PROJECT					

- ① PROP. THERMOPLASTIC PVMT MARKING 6", WHITE (TYP.)
- ② PROP. THERMO. PVMT MARKING 4" WHITE SKIP DASH (10' DASH - 30' SKIP)
- ③ PROP. THERMOPLASTIC PVMT MARKING 4", YELLOW EDGE LINE
- ④ PROP. THERMOPLASTIC PVMT MARKING 8", WHITE (TYP.)
- ⑤ PROP. THERMOPLASTIC PVMT MARKING, LETTERS AND SYMBOLS (TYP.)
- ⑥ PROP. THERMOPLASTIC PVMT. MARKING 4", WHITE EDGE LINE
- ⑦ PROP. THERMOPLASTIC PVMT MARKING 12", WHITE DIAGONAL (75' C/C)
- ⑧ PROP. THERMOPLASTIC PVMT MARKING 24", WHITE (TYP.)



FILE NAME =	USER NAME = gulloumefp	DESIGNED -	REVISED -
p:\il\084EBID\INTEG\illinois.gov\FWIDOT\Documents\IDOT Offices\District 1\Projects\DI384\BROWNSTO\Design\DI38416-sht-pln.dgn		CHECKED -	REVISED -
Default	PLOT SCALE = 100.0000' / 1in.	DATE -	REVISED -
	PLOT DATE = 10/19/2018		

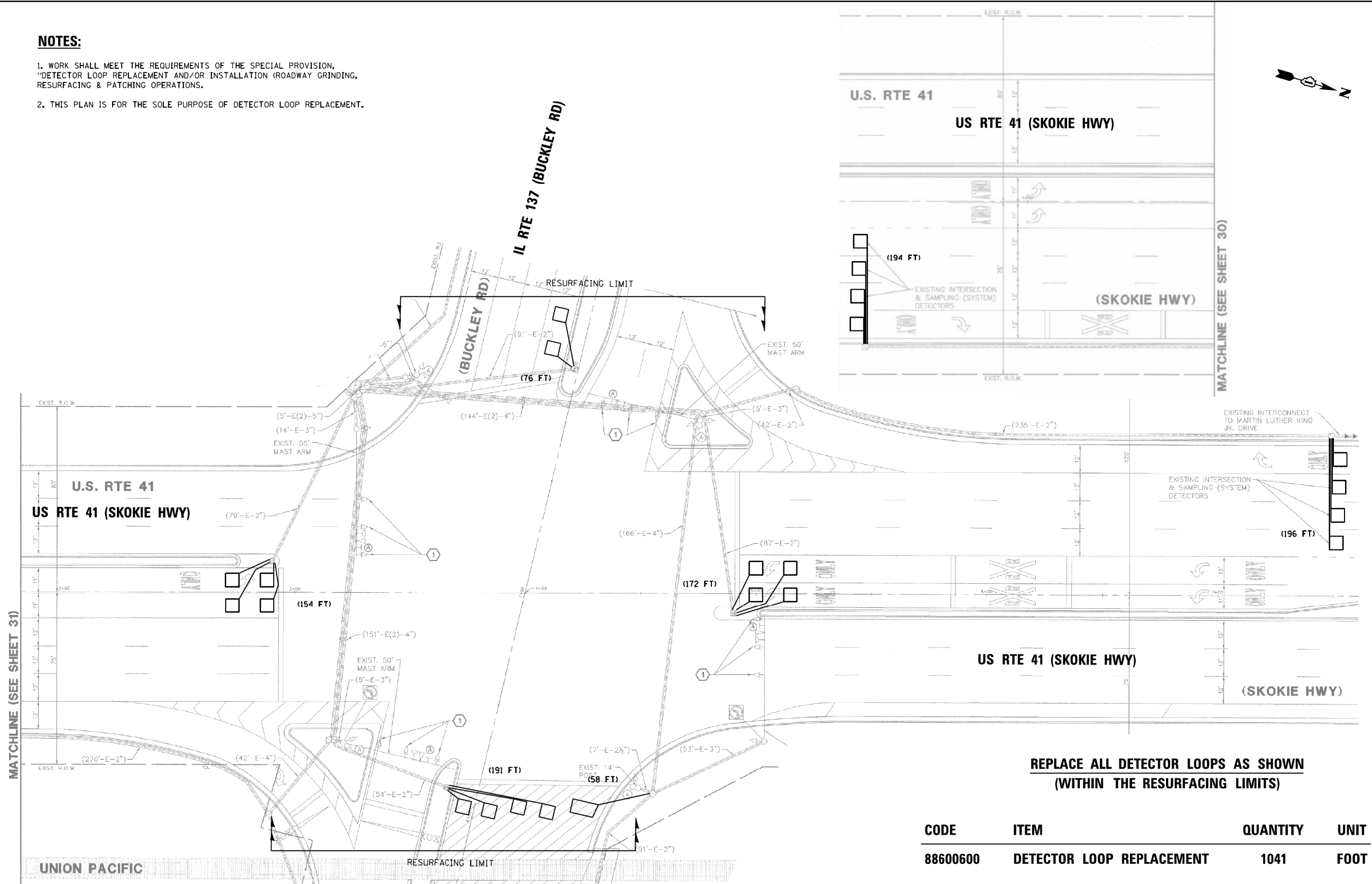
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROADWAY PLAN			
US ROUTE 41 (IL RTE. 120 (BELVIDERE RD.) - IL RTE. 176 (ROCKLAND RD.))			
SCALE: 1" = 50'	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	125RS-2	LAKE	34	18
CONTRACT NO. 62C77				
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	1041	FOOT

MODEL: Default
 FILE: \\miller\pwwork\pwwork\Illinois.gov\PROJECTS\138416\CD\138416.dwg
 PROJECT: 138416\CD\138416.dwg
 DATE: 10/19/2018

USER NAME = quillaumefp	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/19/2018	DATE -	REVISED -

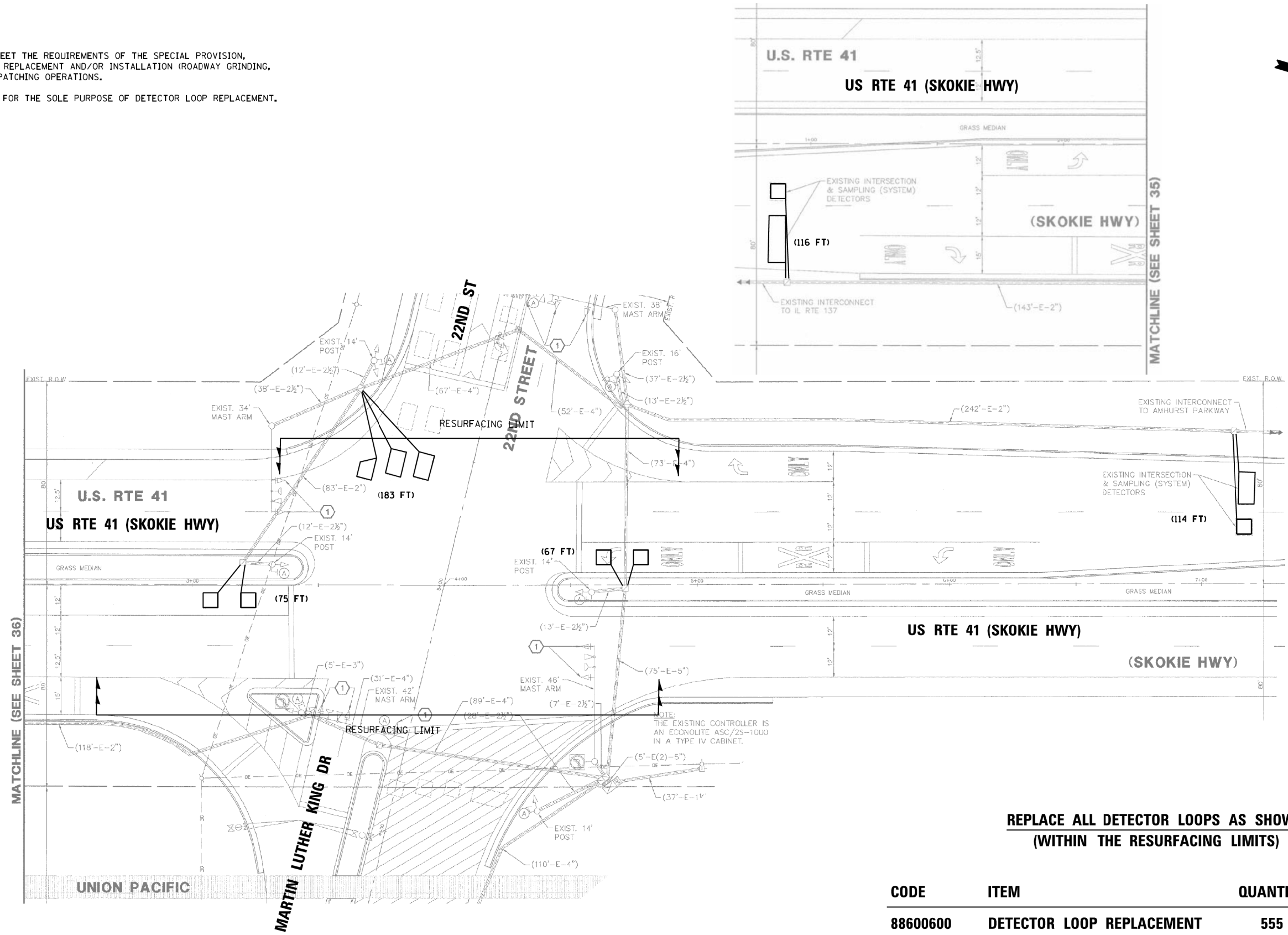
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETECTOR LOOP REPLACEMENT PLAN			
US RTE 41 (SKOKIE HWY) AT IL RTE 137 (BUCKLEY RD)			
SCALE: NONE	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	125RS-2	LAKE	34	19
CONTRACT NO. 62C77				
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	555	FOOT

MODEL: Default
 FILE: \\miller\B4E\BID\NTECS\Illinois.gov\PWD\DOT\Documents\DOT_Offices\District 1\Projects\138416\CADD\138416.dwg; plot.dgn

USER NAME = quillaumefp	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/30/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

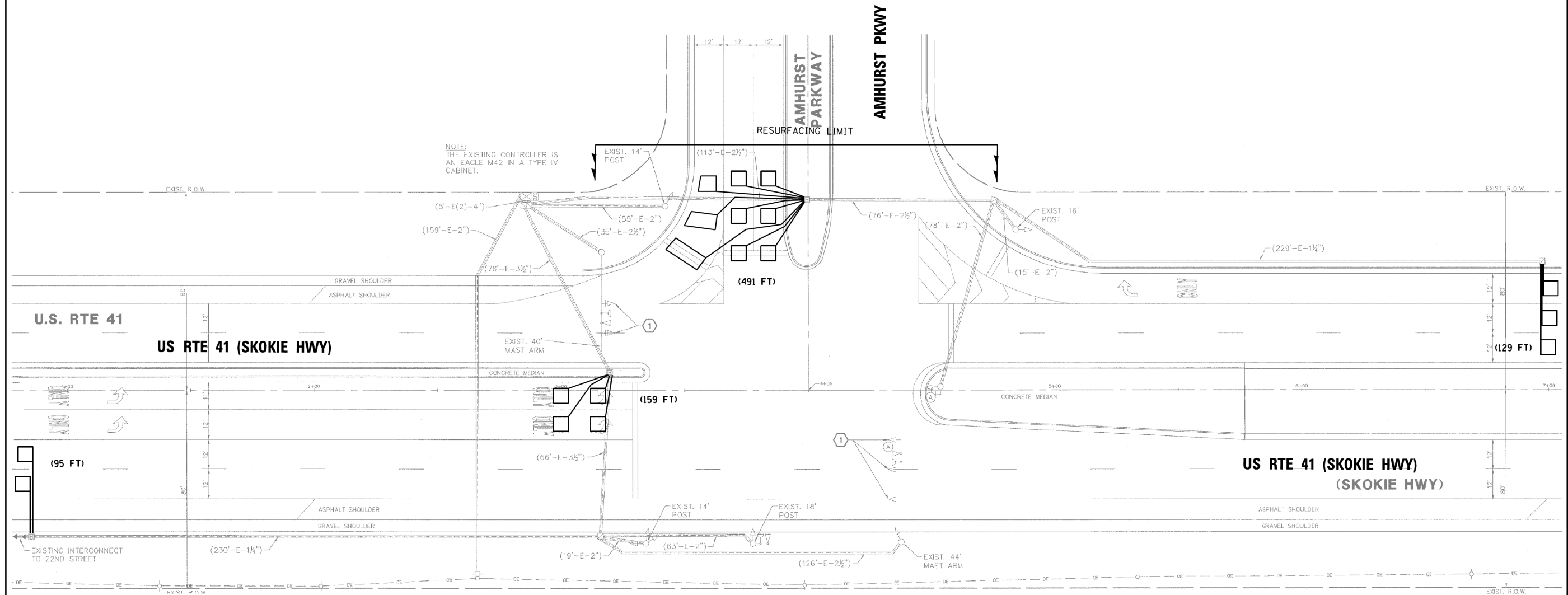
**DETECTOR LOOP REPLACEMENT PLAN
US RTE 41 (SKOKIE HWY) AT 22ND ST / MARTIN LUTHER KING RD.**

F.A.P. RTE. 346	SECTION 125RS-2	COUNTY LAKE	TOTAL SHEETS 34	SHEET NO. 20
CONTRACT NO. 62C77				
ILLINOIS FED. AID PROJECT				

SCALE: NONE SHEET OF SHEETS STA. TO STA.

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	874	FOOT

MODEL: Default
 FILE: \\miller\p\miller\B4E\BID\NTEC\Illinois.gov\FW\DOT\Documents\DOT_Offices\District 1\Projects\138416\CADD\138416.dwg: plan.dgn

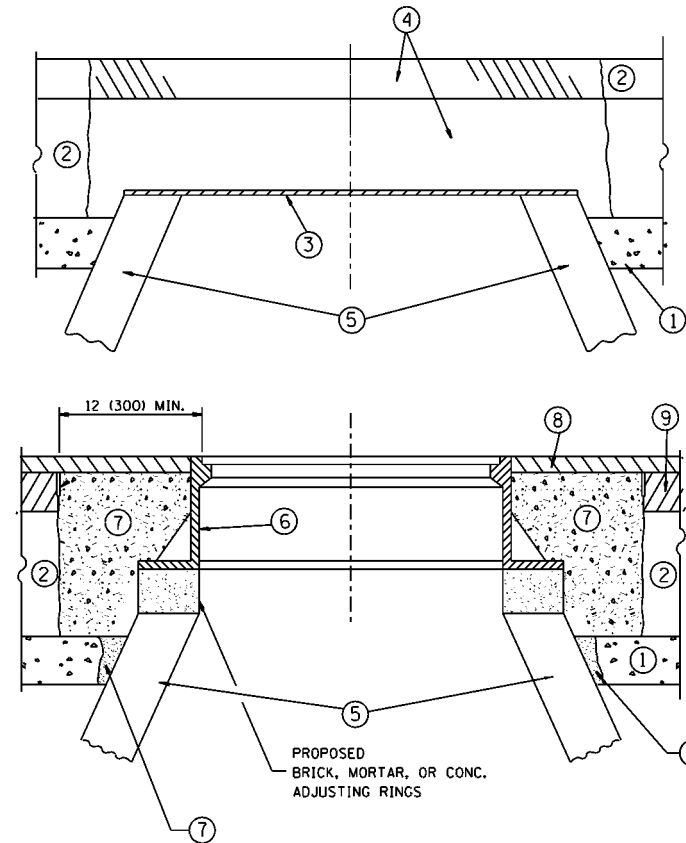
USER NAME = quillaumefp	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 8/30/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DETECTOR LOOP REPLACEMENT PLAN

SCALE: NONE SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 346	SECTION 125R5-2	COUNTY LAKE	TOTAL SHEETS 34	SHEET NO. 21
			CONTRACT NO. 62C77	
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 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

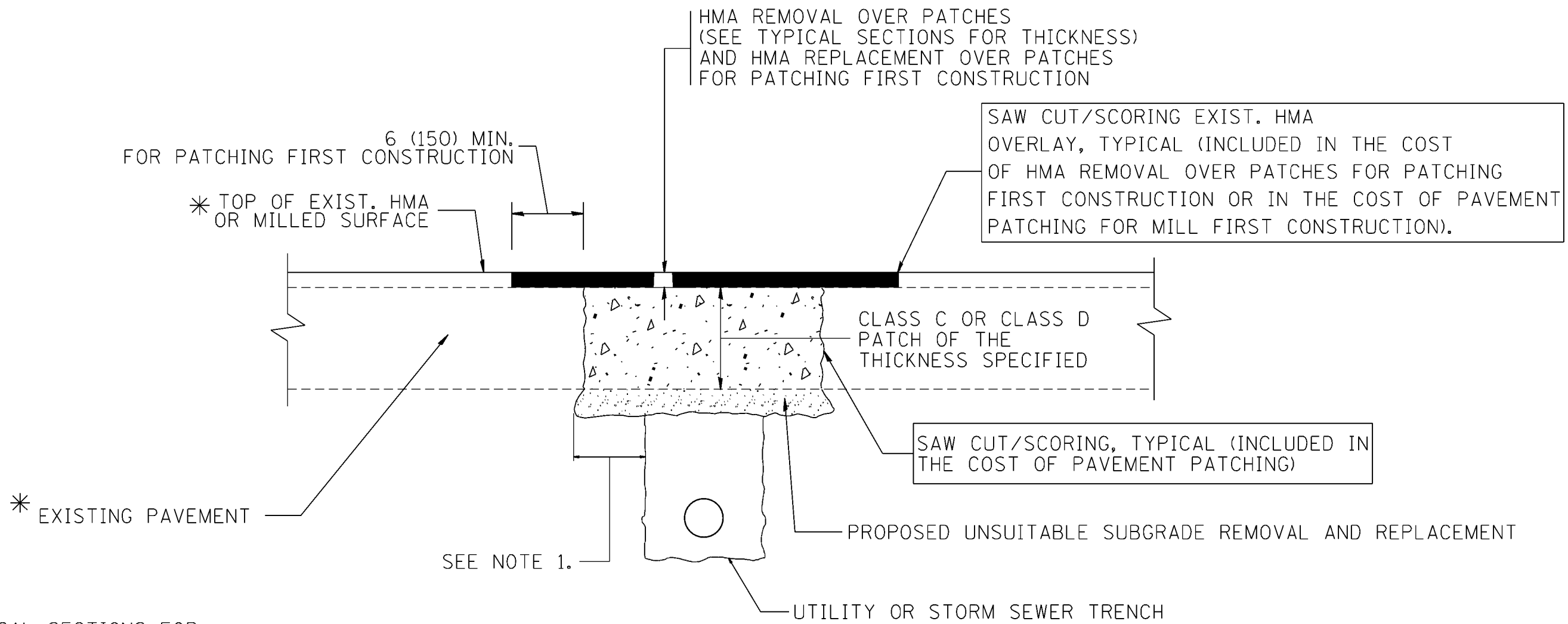
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = gulloumefp	DESIGNED - R. SHAH	REVISED - R. WIEDEMAN 05-14-04
p:\1\084EBID\INTEG\illinois.gov\FWIDOT\Documents\IDOT Offices\District 1\Projects\1384\BROWNSTO\Design\Diststd.dgn			REVISED - R. BORO 01-01-07
			REVISED - R. BORO 03-09-11
			REVISED - R. BORO 12-06-11
PLOT SCALE = 100.0000' / 1in.	CHECKED -	DATE - 10-25-94	
PLOT DATE = 8/30/2018			

**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.
346	125R5-2	LAKE	34	22
BD600-03 (BD-8)		CONTRACT NO. 62C77		
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)

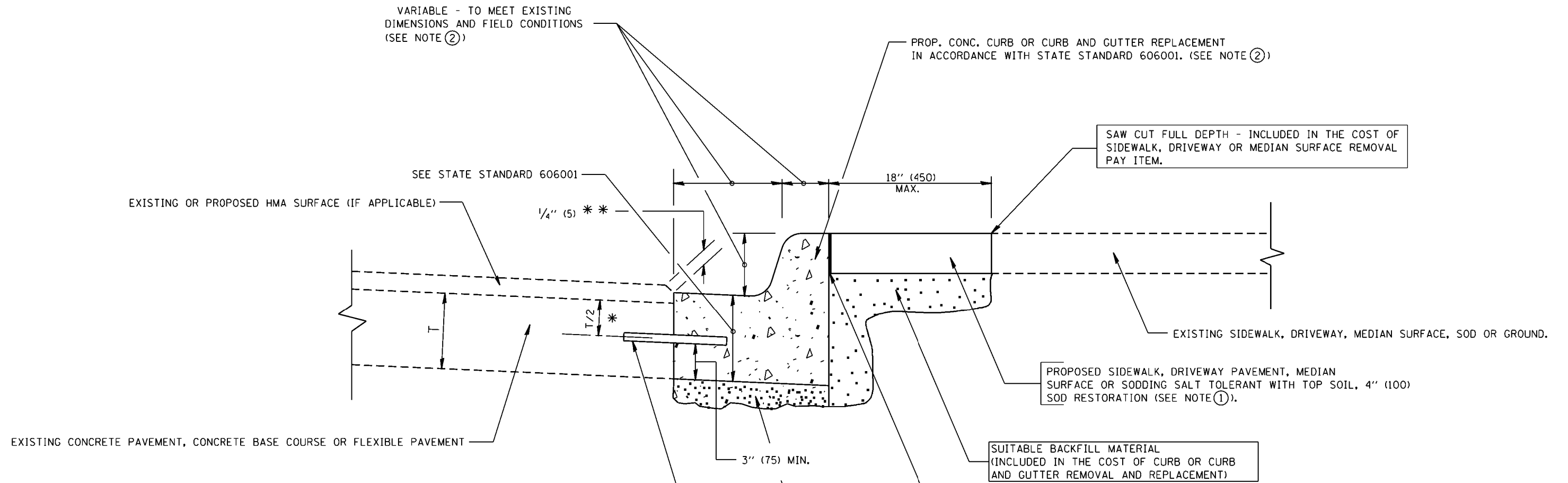
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

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 = gulloumefp	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT			F.A.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11\084EBID\INTEG\illinois.gov\FWIDOT\Documents\IDOT Offices\District 1\Projects\1384\BROWNSTEAD\Design\Diststd.dgn	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - R. BORO 01-01-07					346	125RS-2	LAKE	34	23
	PLOT DATE = 8/30/2018	DATE - 10-25-94	REVISED - R. BORO 09-04-07		BD400-04 (BD-22)			CONTRACT NO. 62C77				
			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				



- * 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.

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.

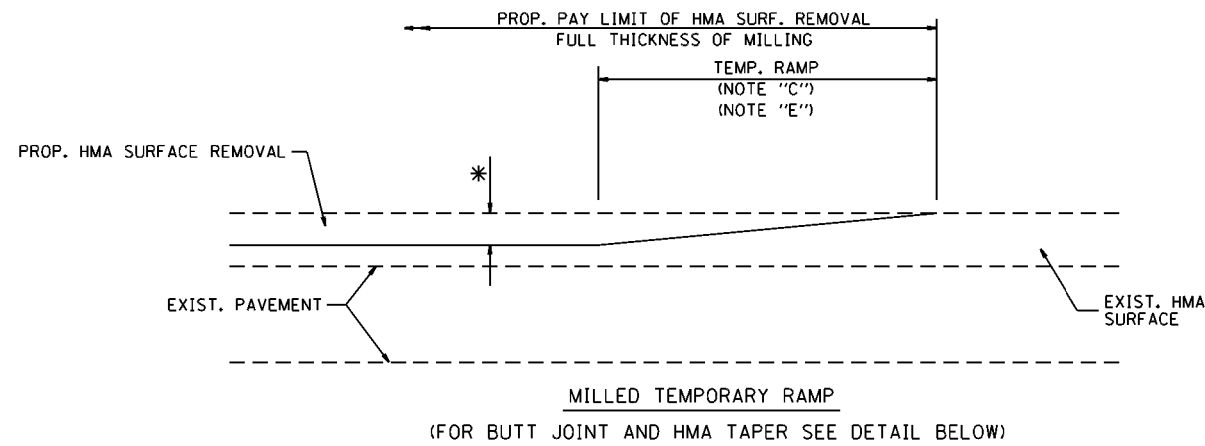
PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USUABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

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

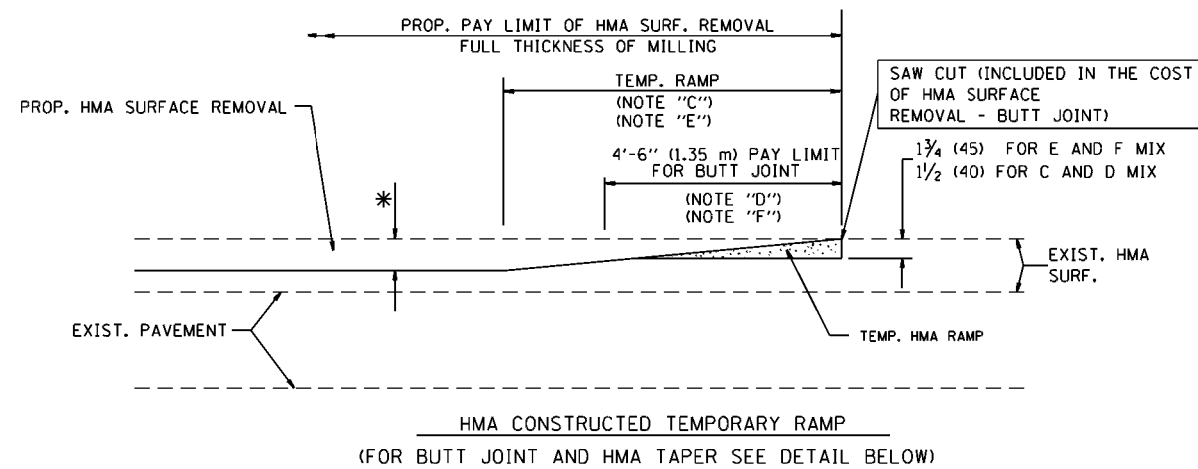
CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

FILE NAME =	USER NAME = gulloumefp	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.	
			REVISED - A. ABBAS 03-21-97			346	125RS-2	LAKE	34	24	
	PLOT SCALE = 100.0000' / 1" =	CHECKED -	REVISED - M. GOMEZ 01-22-01			BD600-06 (BD-24)		CONTRACT NO. 62C77			
	PLOT DATE = 8/30/2018	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	

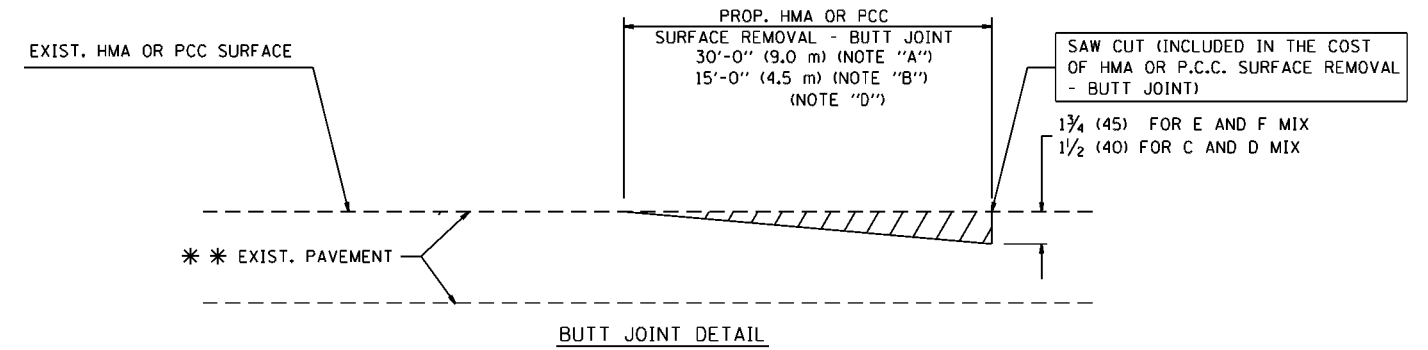


OPTION 1

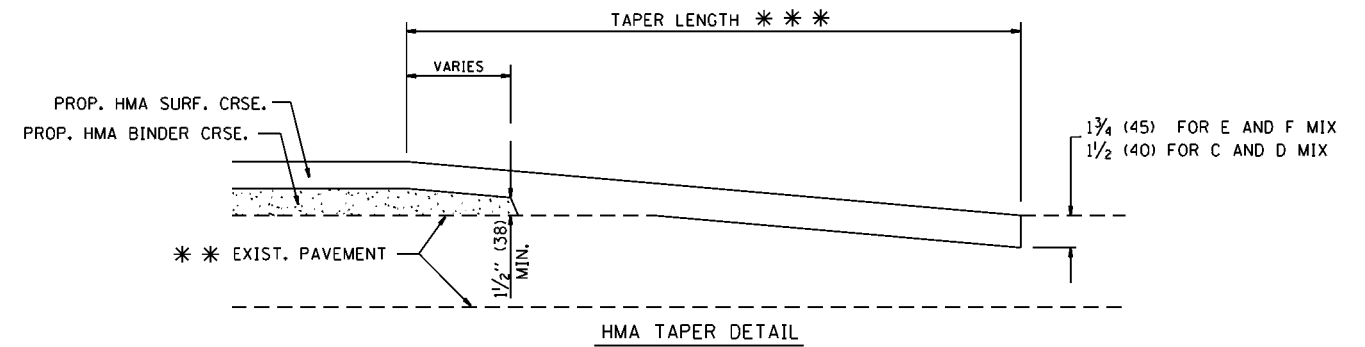


OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

*** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

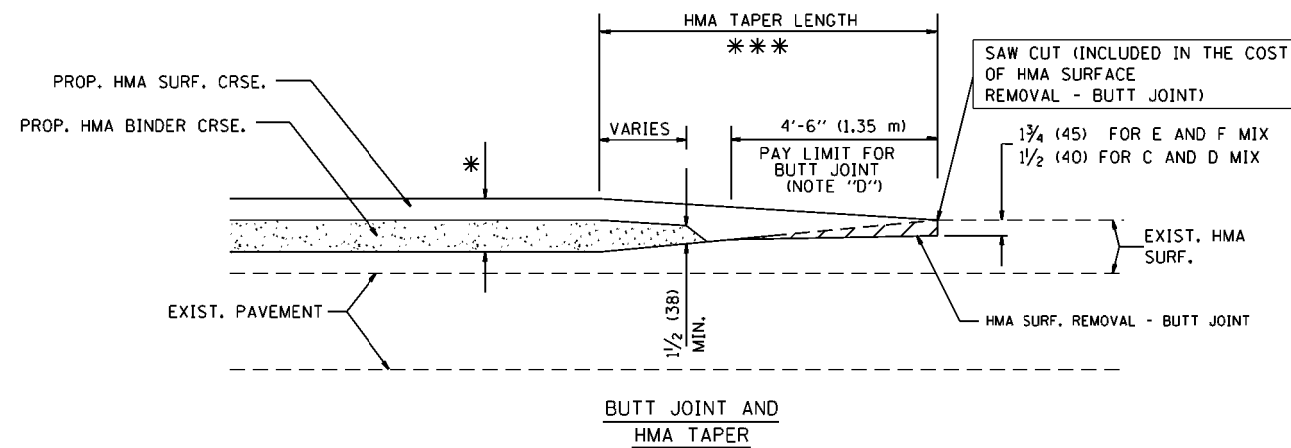
NOTES

- 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

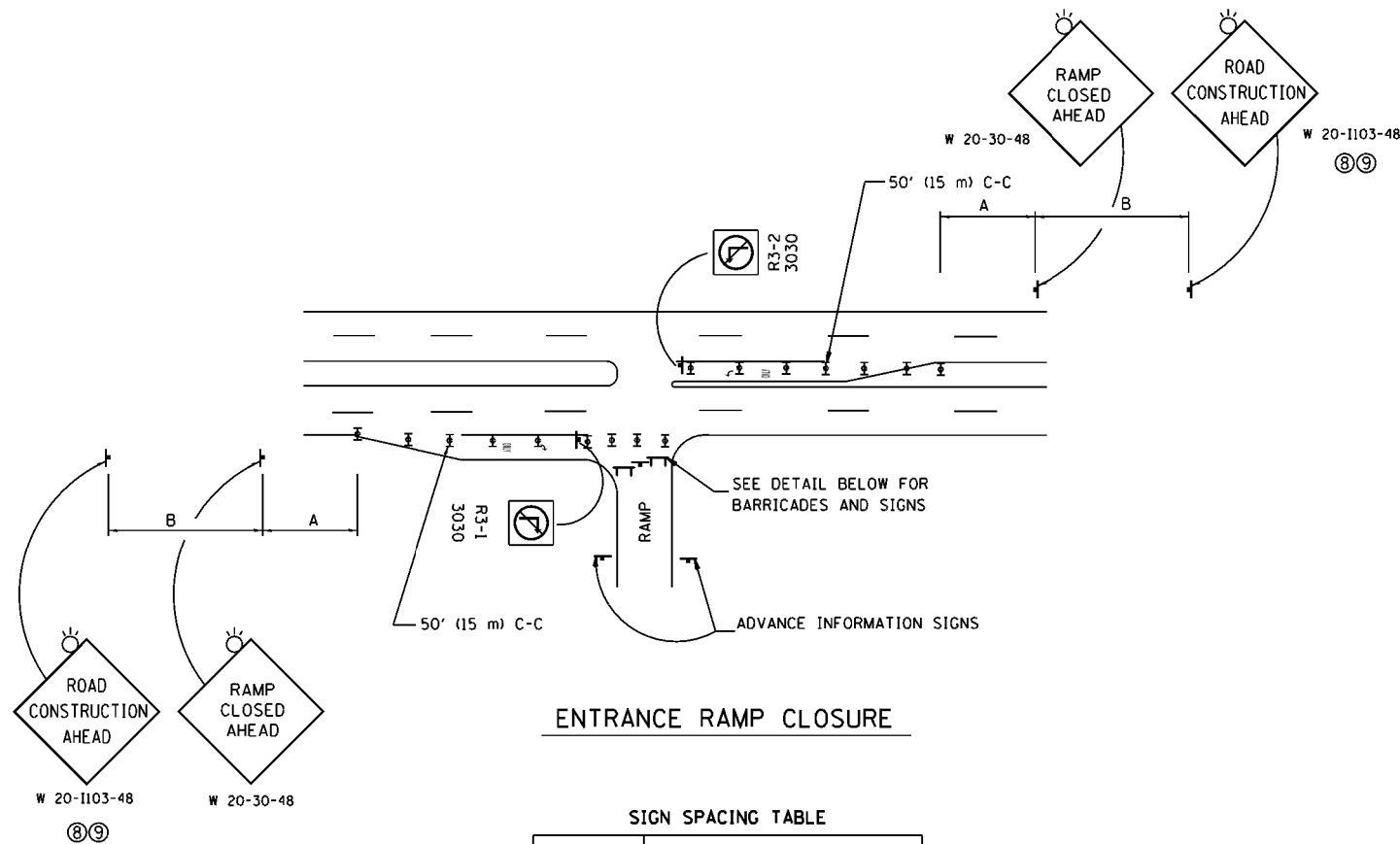
FILE NAME =	USER NAME = gulloumefp	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
p:\IL\084EBID\INTEG\illinois.gov\FWIDOT\Documents\DOT Offices\District 1\Projects\DI384\BROW\Design\Diststd.dgn			REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 8/30/2018	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.
346	125RS-2	LAKE	34	25
BD400-05 BD32		CONTRACT NO. 62C77		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

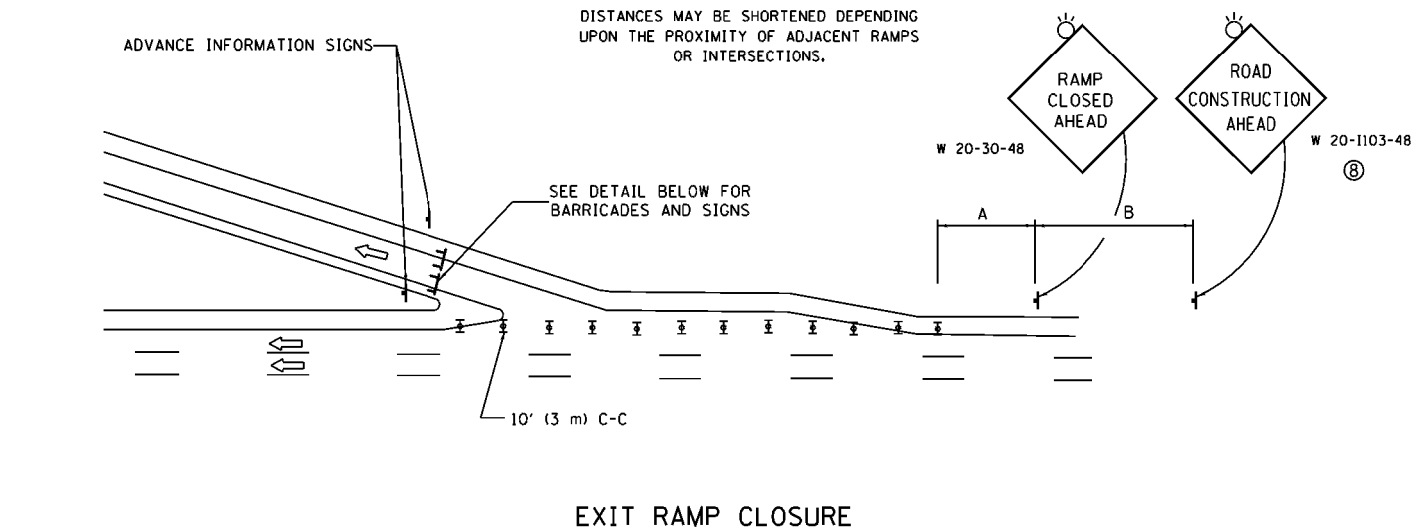


ENTRANCE RAMP CLOSURE

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)

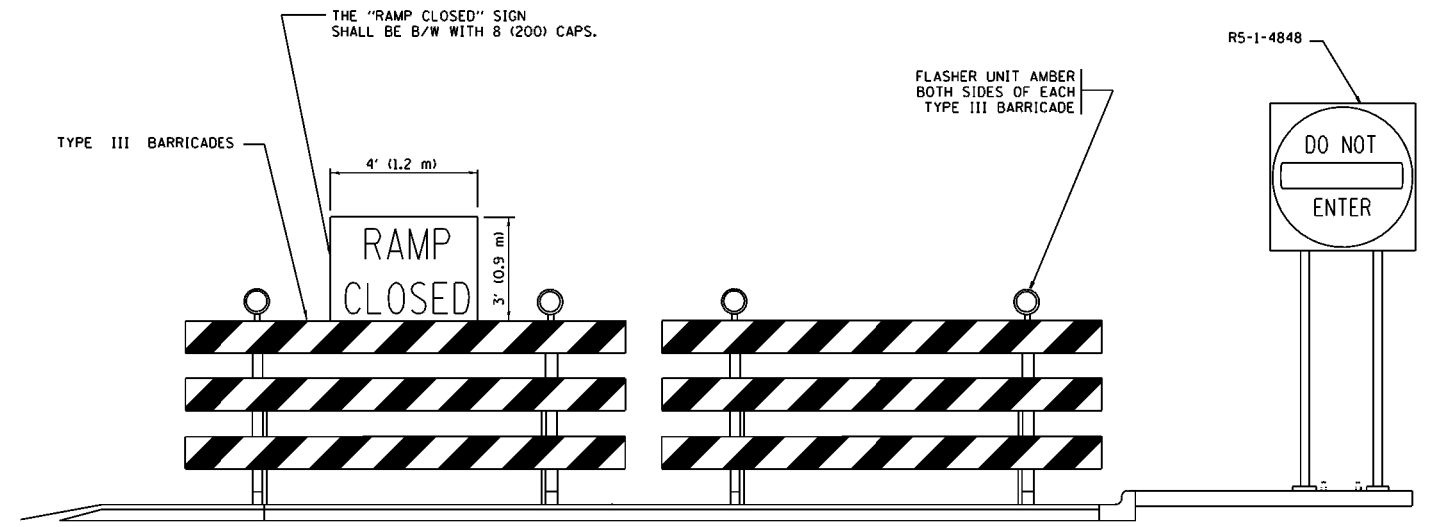
DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



EXIT RAMP CLOSURE

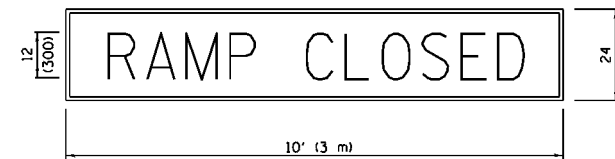
SYMBOLS

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



DETAIL FOR REQUIRED BARRICADES & SIGNS

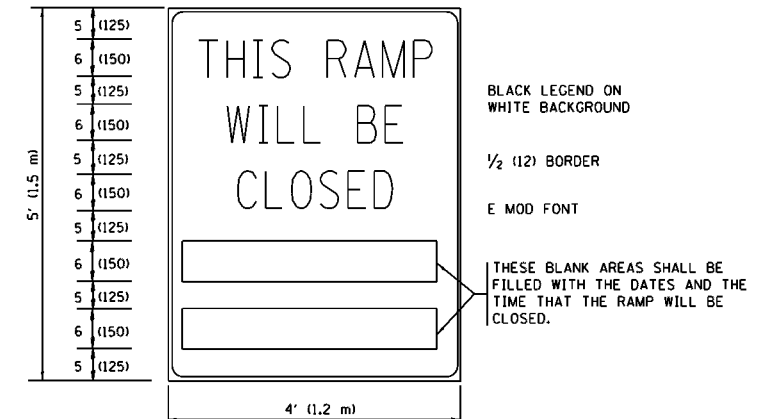
RAMP CLOSURE ADVANCE WARNING SIGN



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.

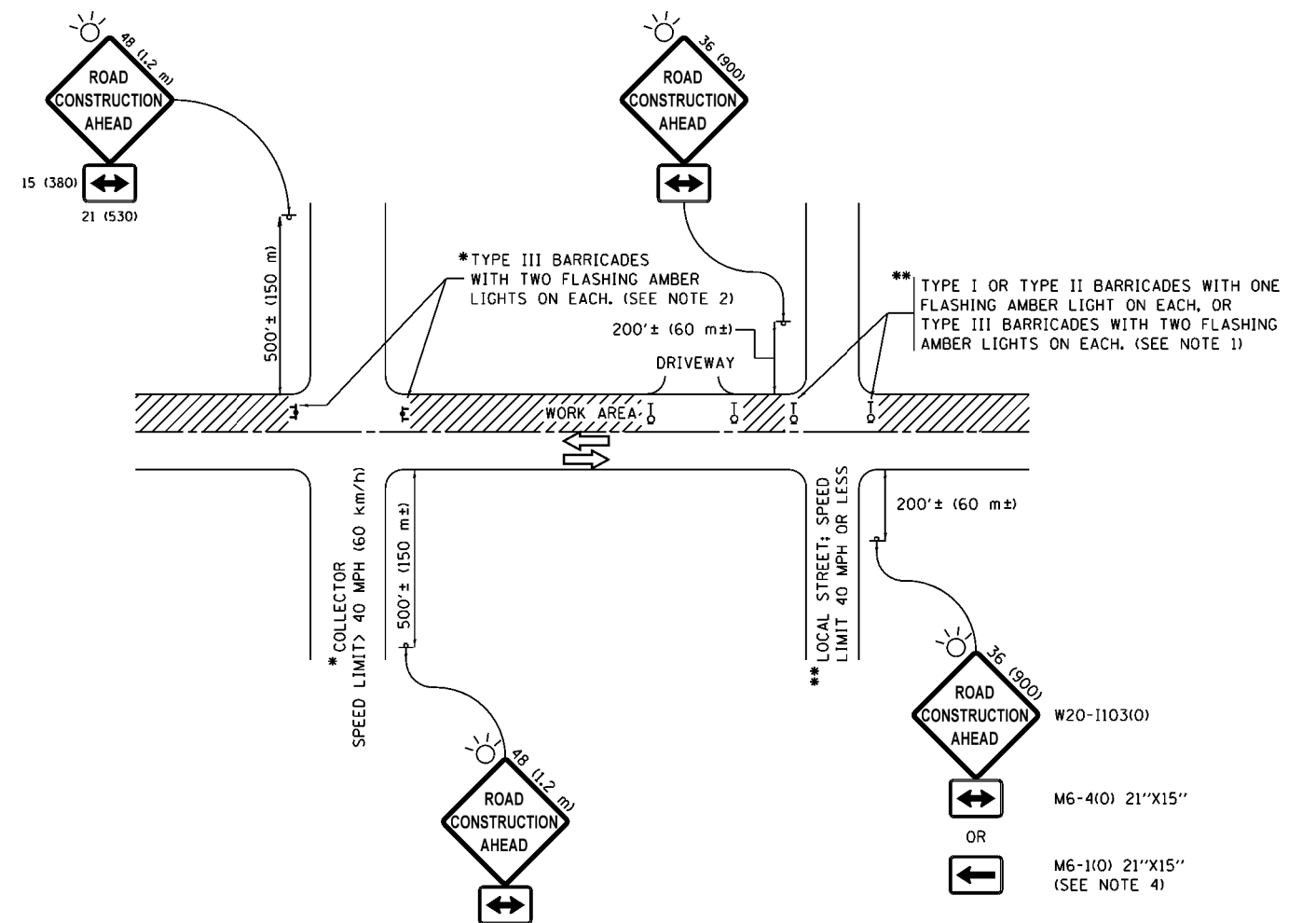
FILE NAME =	USER NAME = guillaumejp	DESIGNED - D.W.S.	REVISED - S.P.B. 01-07
p:\11\084EBID\INTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\11384\BROWNSTO\Design\Diststd.dgn			REVISED - S.P.B. 12-09
Default	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - M.D. 06-13
	PLOT DATE = 8/30/2018	DATE - 02-83	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.
346	125RS-2	LAKE	34	26
TC-08			CONTRACT NO. 62C77	
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.

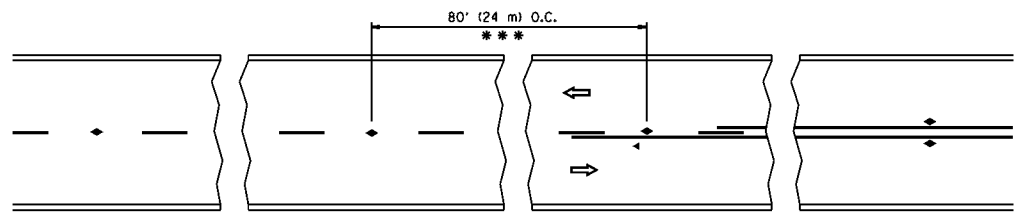
FILE NAME =	USER NAME = gulloumefp	DESIGNED - L.H.A.	REVISED - A. HOUSEH 10-15-96
p:\IL\084EBID\INTEG\illinois.gov\FWIDOT\Documents\IDOT Offices\District 1\Projects\1384\BROWNSTO\Design\Diststd.dgn			REVISED - T. RAMMACHER 01-06-00
Default	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
	PLOT DATE = 8/30/2018	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**

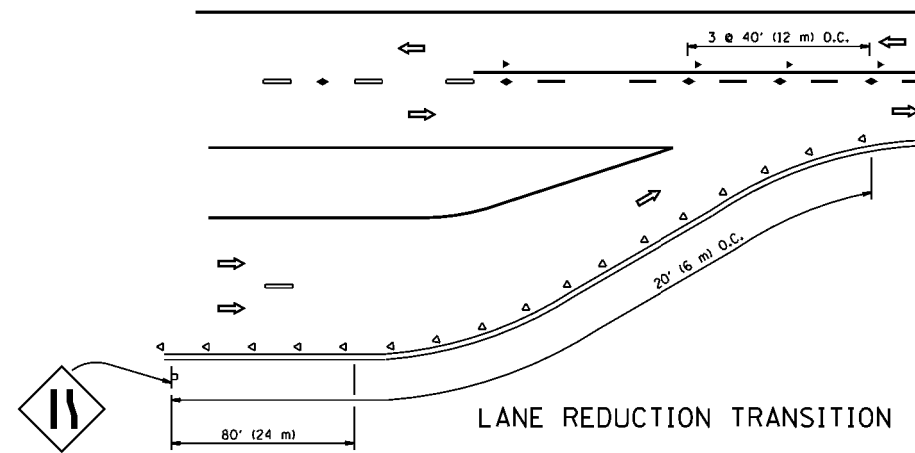
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	125RS-2	LAKE	34	27
TC-10			CONTRACT NO. 62C77	
ILLINOIS FED. AID PROJECT				

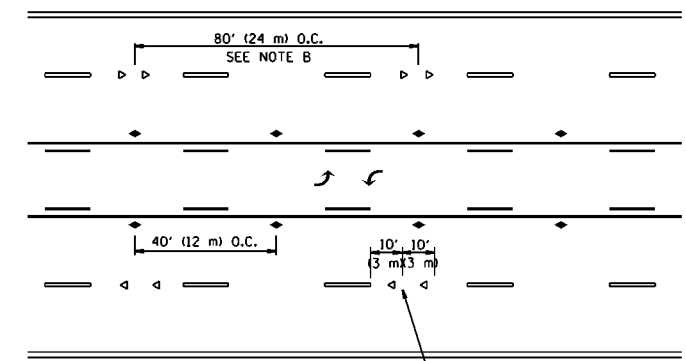


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

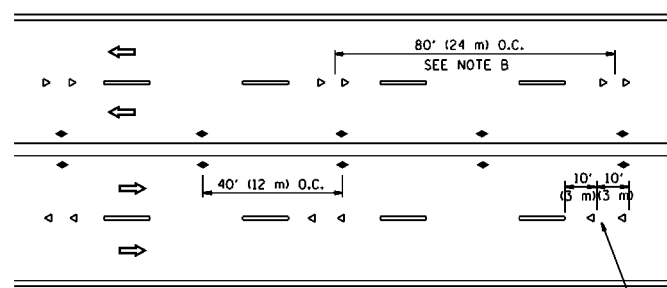
TWO-LANE/TWO-WAY



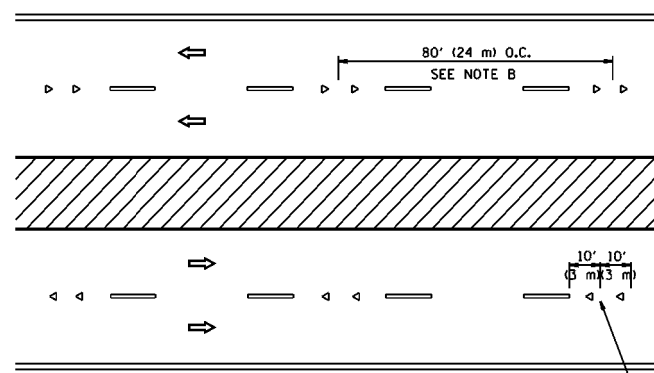
LANE REDUCTION TRANSITION



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

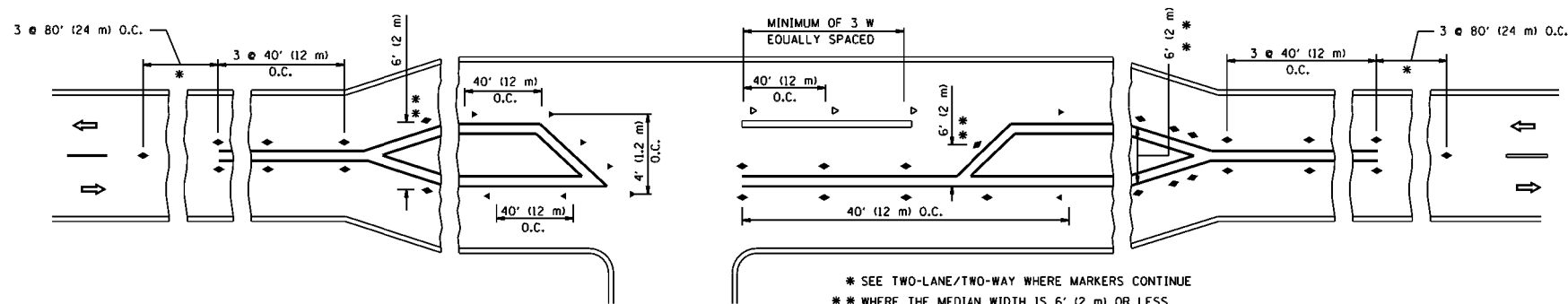
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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.

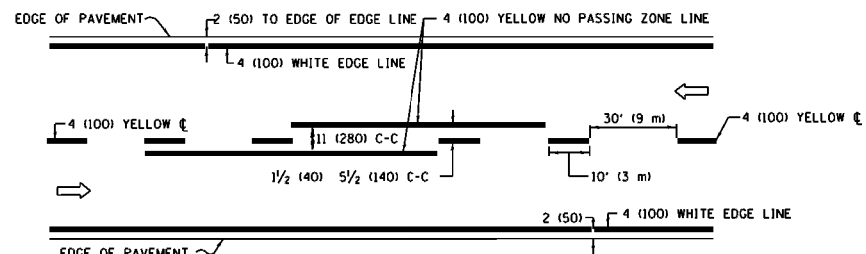


* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 ** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

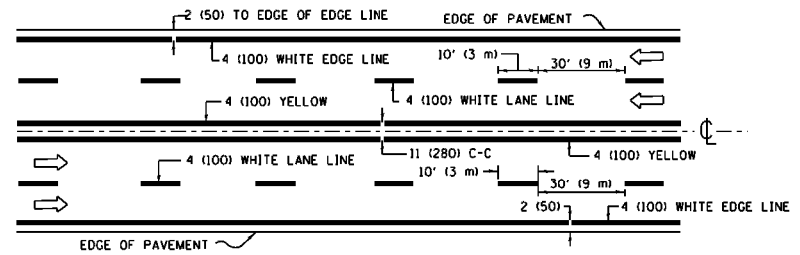
LEFT TURN

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

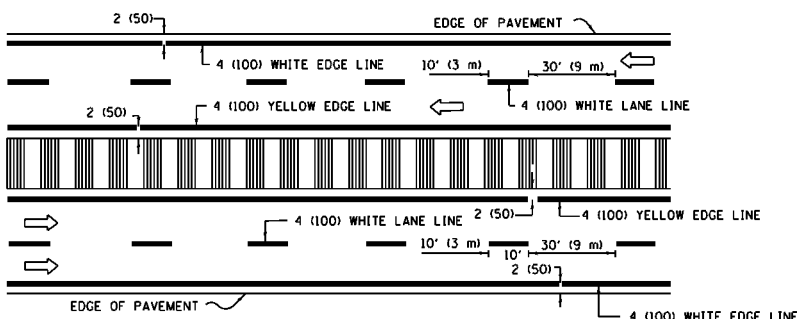
FILE NAME =	USER NAME = gulloumefp	DESIGNED -	REVISED - T. RAMMACHER 09-19-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL APPLICATIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw\l\084EBID\INTEG\illinois.gov\FWIDOT\Documents\DOT Offices\District 1\Projects\DI384\BROW\Design\Diststd.dgn					REVISED - T. RAMMACHER 03-12-99	RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)			346	125RS-2	LAKE	34	28
PLOT SCALE = 100.0000' / 1in.					REVISED - T. RAMMACHER 01-06-00	SCALE: NONE	SHEET NO. 1	OF 1	SHEETS	STA.	TO STA.	CONTRACT NO. 62C77	
PLOT DATE = 8/30/2018					REVISED - C. JUCIUS 09-09-09	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							



2-LANE ROADWAY

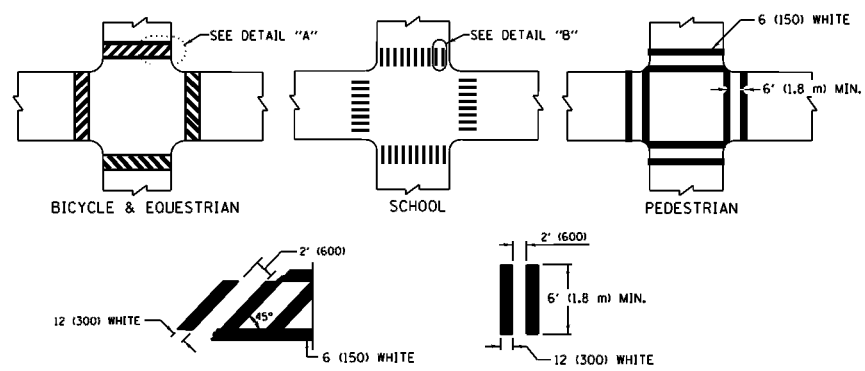


MULTI-LANE UNDIVIDED



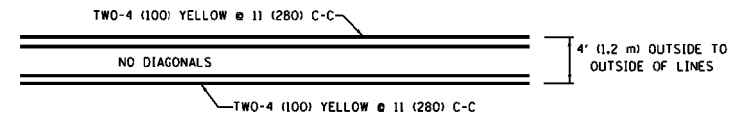
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

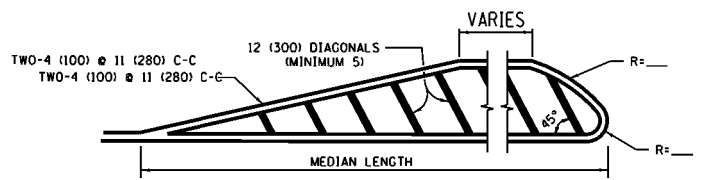


TYPICAL CROSSWALK MARKING

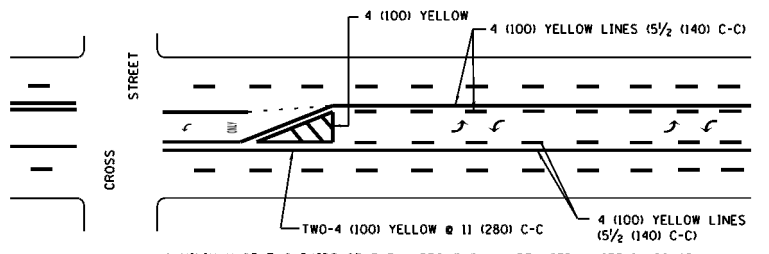
* MARKINGS SHALL BE INSTALLED PARALLEL TO THE CENTERLINE OF THE ROAD WHICH IT CROSSES



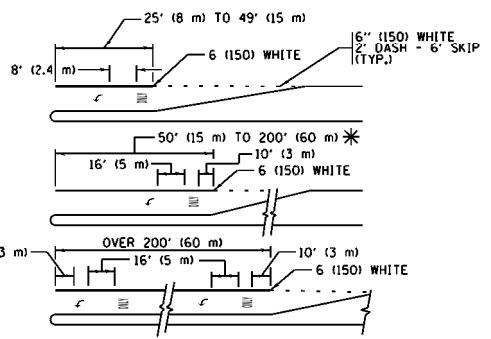
4' (1.2 m) WIDE MEDIANS ONLY



MEDIANS OVER 4' (1.2 m) WIDE

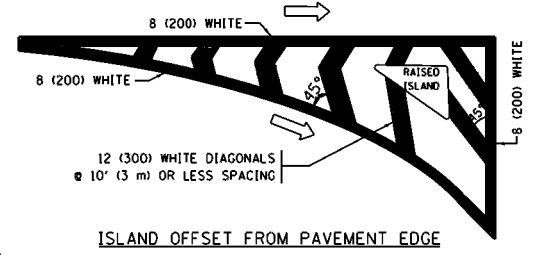


MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING

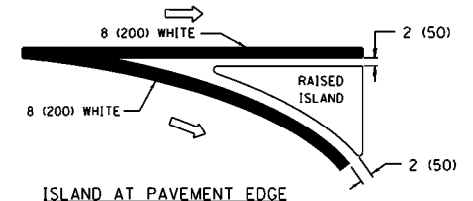


TYPICAL LEFT (OR RIGHT) TURN LANE TYPICAL TURN LANE MARKING

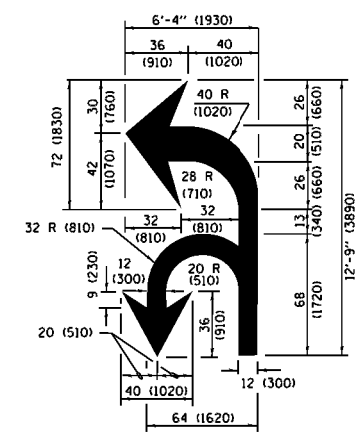
FULL SIZE LETTERS 8" (2.4 m) AND ARROWS SHALL BE USED.
 AREA = 15.6 SQ. FT. (1.5 m²) AREA = 20.8 SQ. FT. (1.9 m²)
 * TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".



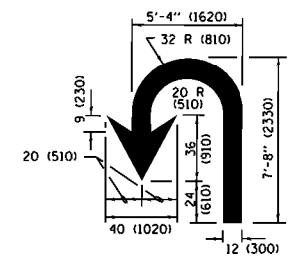
ISLAND OFFSET FROM PAVEMENT EDGE



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	5/2 (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 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE.
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C (30 MPH (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' (25 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 = gulloumefp	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
pwi\IL084EBID\INTEG\illinois.gov\PIWID01\Documents\IDOT Offices\District 1\Projects\DI1384\BROWNSTO\Design\Diststd.dgn		CHECKED -	REVISED - C. JUCIUS 07-01-13
Default	PLOT SCALE = 100.0000' / 1in.	DATE - 03-19-90	REVISED - C. JUCIUS 12-21-15
	PLOT DATE = 8/30/2018		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.
346	125RS-2	LAKE	34	29
TC-13			CONTRACT NO. 62C77	
ILLINOIS FED. AID PROJECT				

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

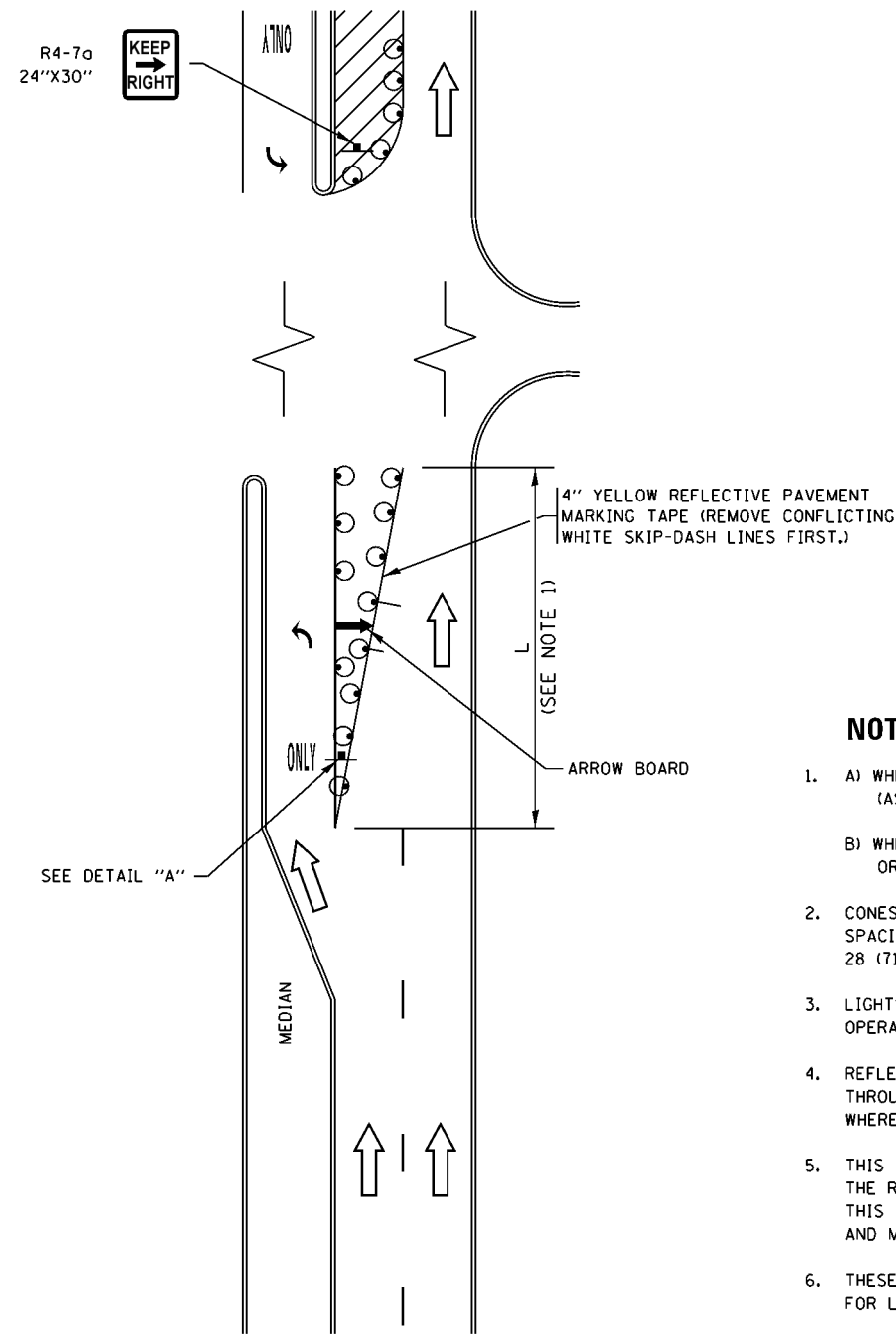


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

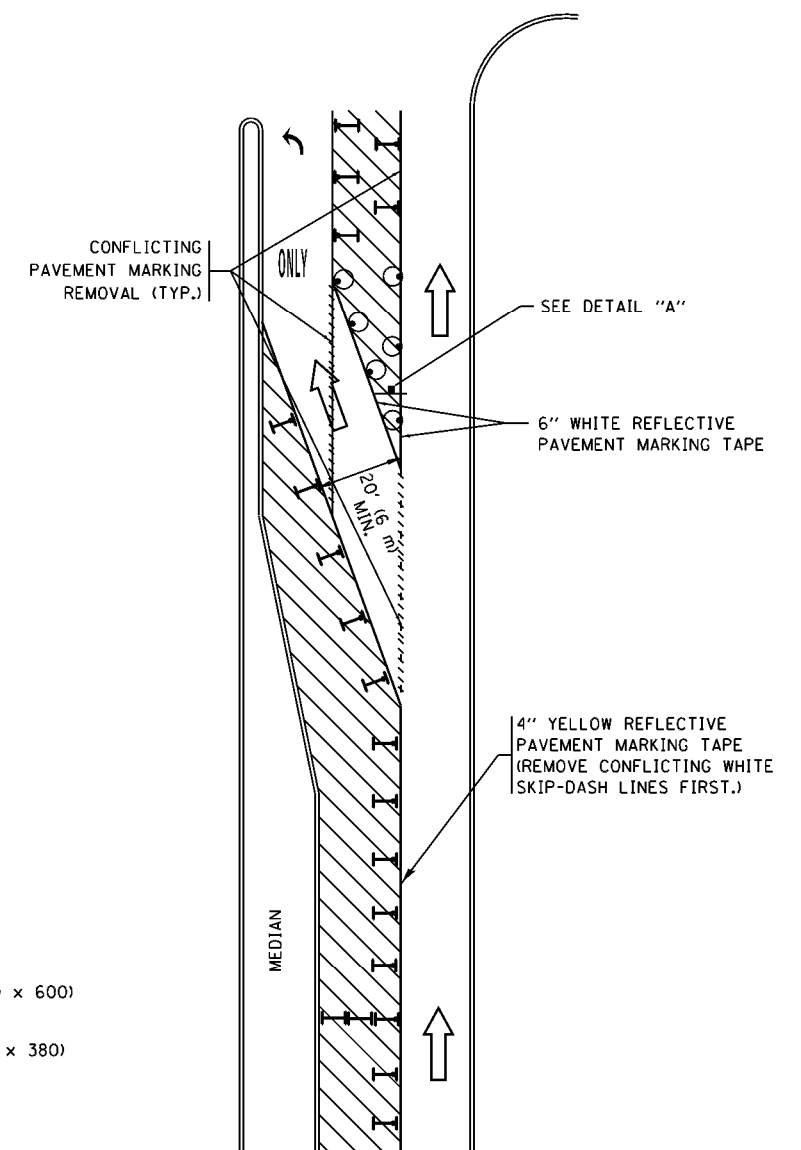
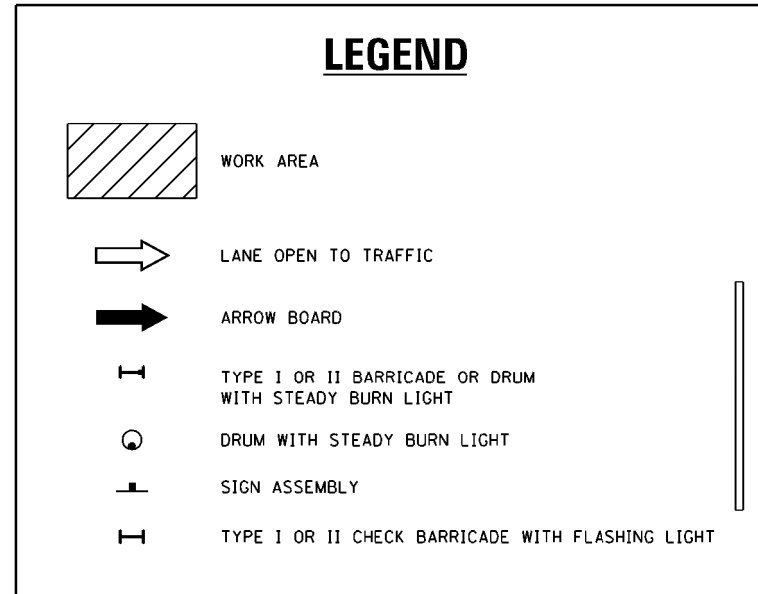
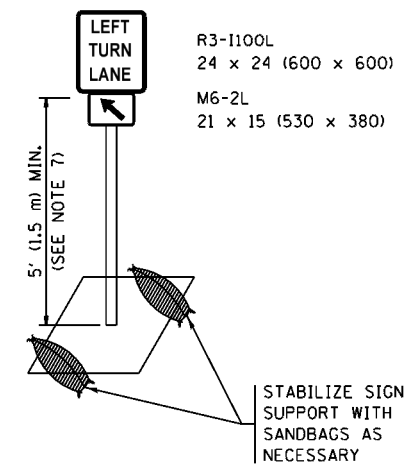


FIGURE 2



NOTES:

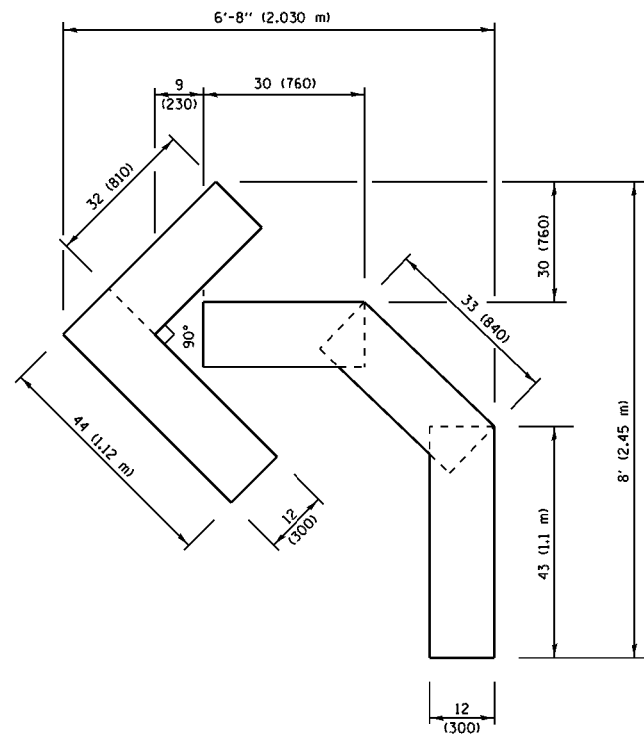
1. A) WHEN "L" IS \leq THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
B) WHEN "L" IS $>$ THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. 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.



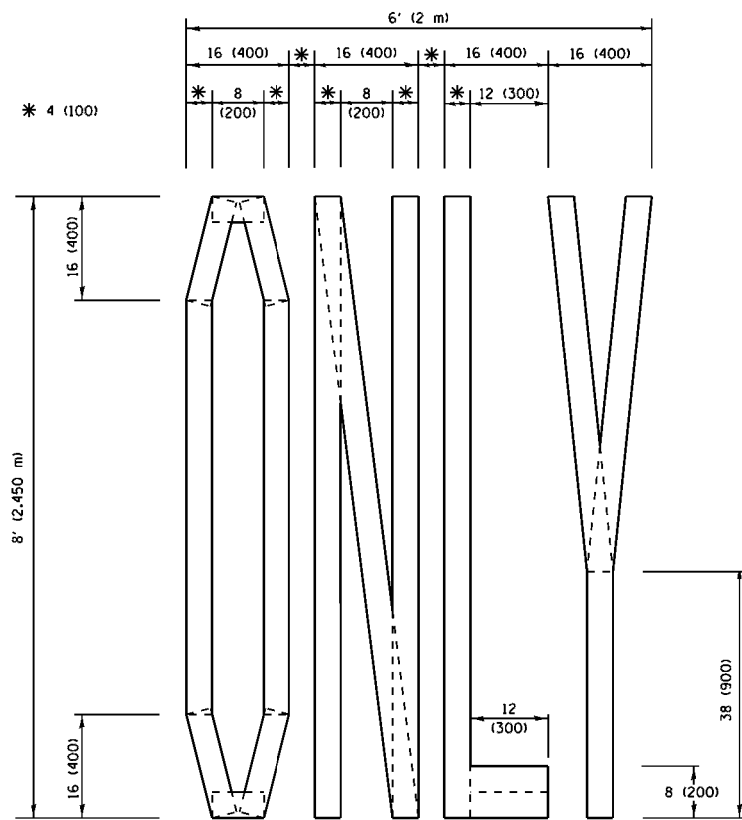
DETAIL A

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

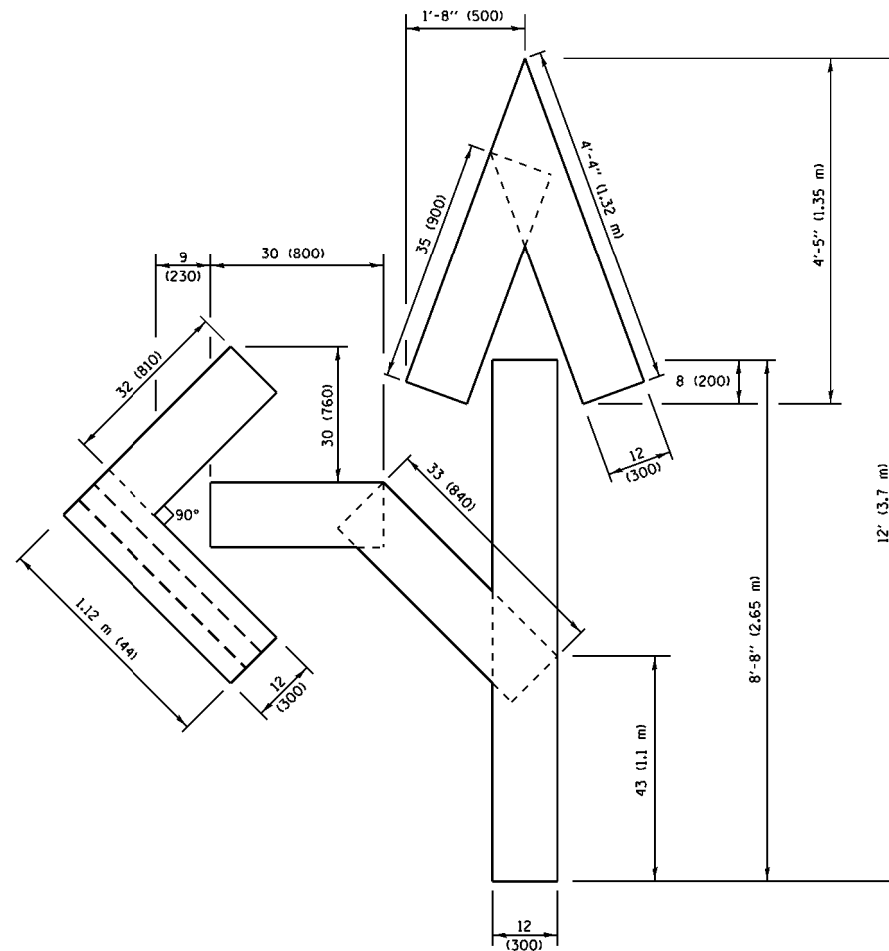
FILE NAME =	USER NAME = gulloumefp	REVISED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default		REVISED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16					346	125RS-2	LAKE	34	30
		REVISED - T. RAMMACHER 01-06-00	REVISED -					TC-14		CONTRACT NO. 62C77		ILLINOIS FED. AID PROJECT



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

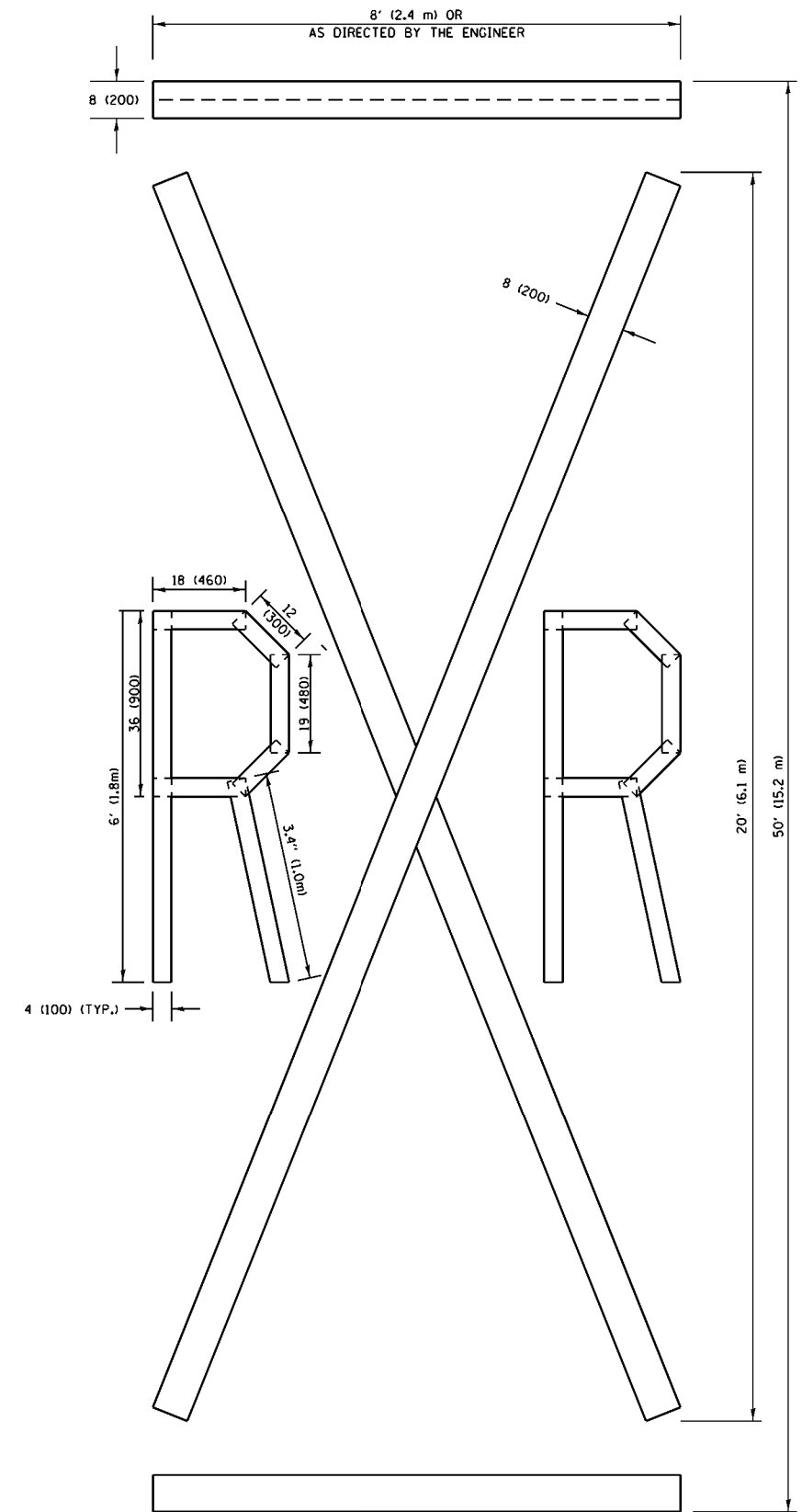


QUANTITY
 4 (100) LINE = 64.1 ft. (19.5 m)
 21.4 sq. ft. (1.99 sq. m)



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 = gulloumefp	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
pw:\IL\084EBID\INTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\01384\BROWNS\DOT\Design\Diststd.dgn			REVISED - E. GOMEZ 08-28-00
		CHECKED -	REVISED - E. GOMEZ 08-28-00
PLOT SCALE = 100.0010' / 1"		DATE - 09-18-94	REVISED - A. SCHUETZE 09-15-16
PLOT DATE = 8/30/2018			

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

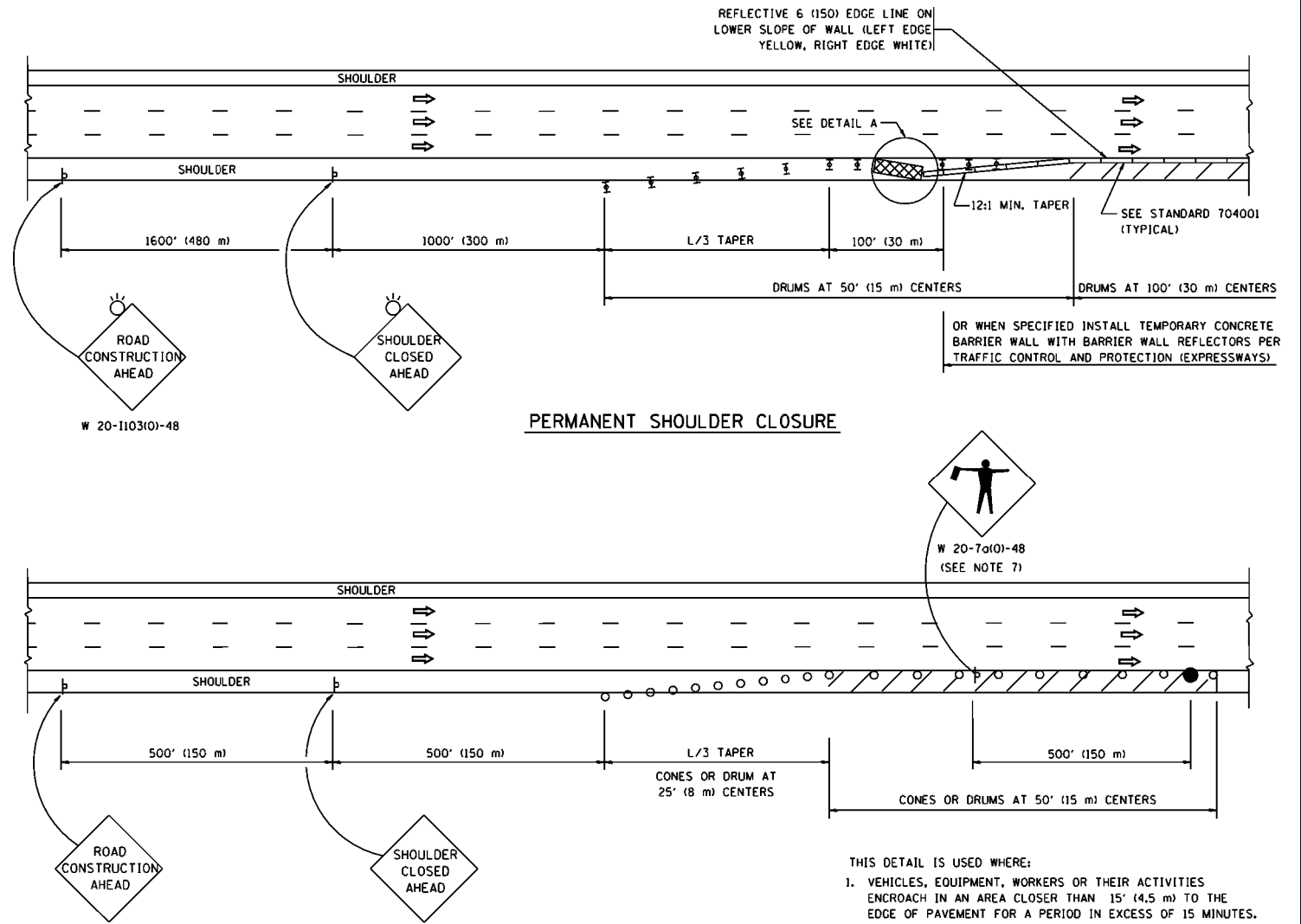
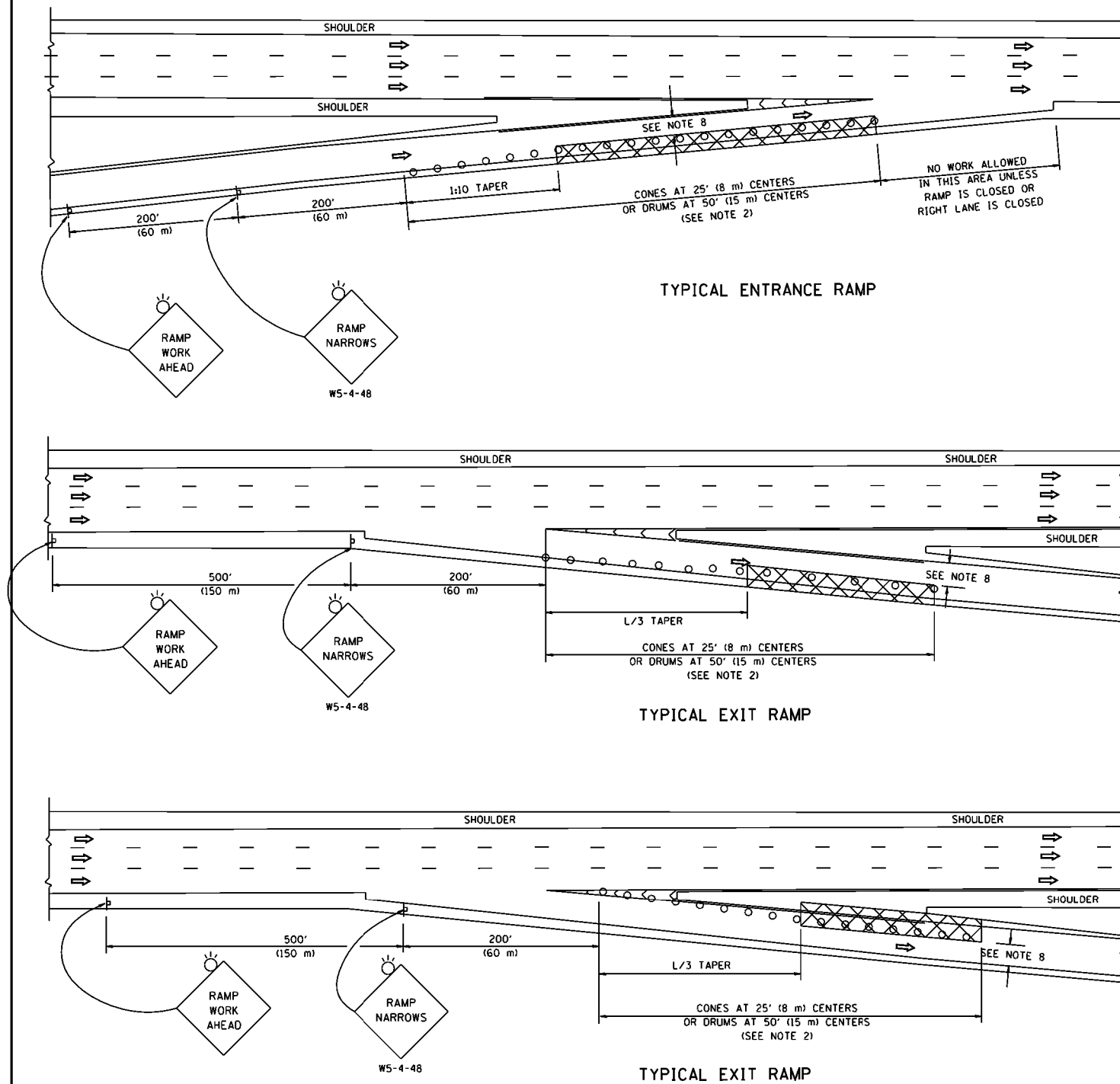
SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS

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

F.A.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	125RS-2	LAKE	34	31
TC-16		CONTRACT NO. 62C77		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

PARTIAL RAMP CLOSURE DETAILS

SHOULDER CLOSURE DETAILS



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)	METRIC ENGLISH
OR GREATER:	L=0.65(WXS) L=(WX5)

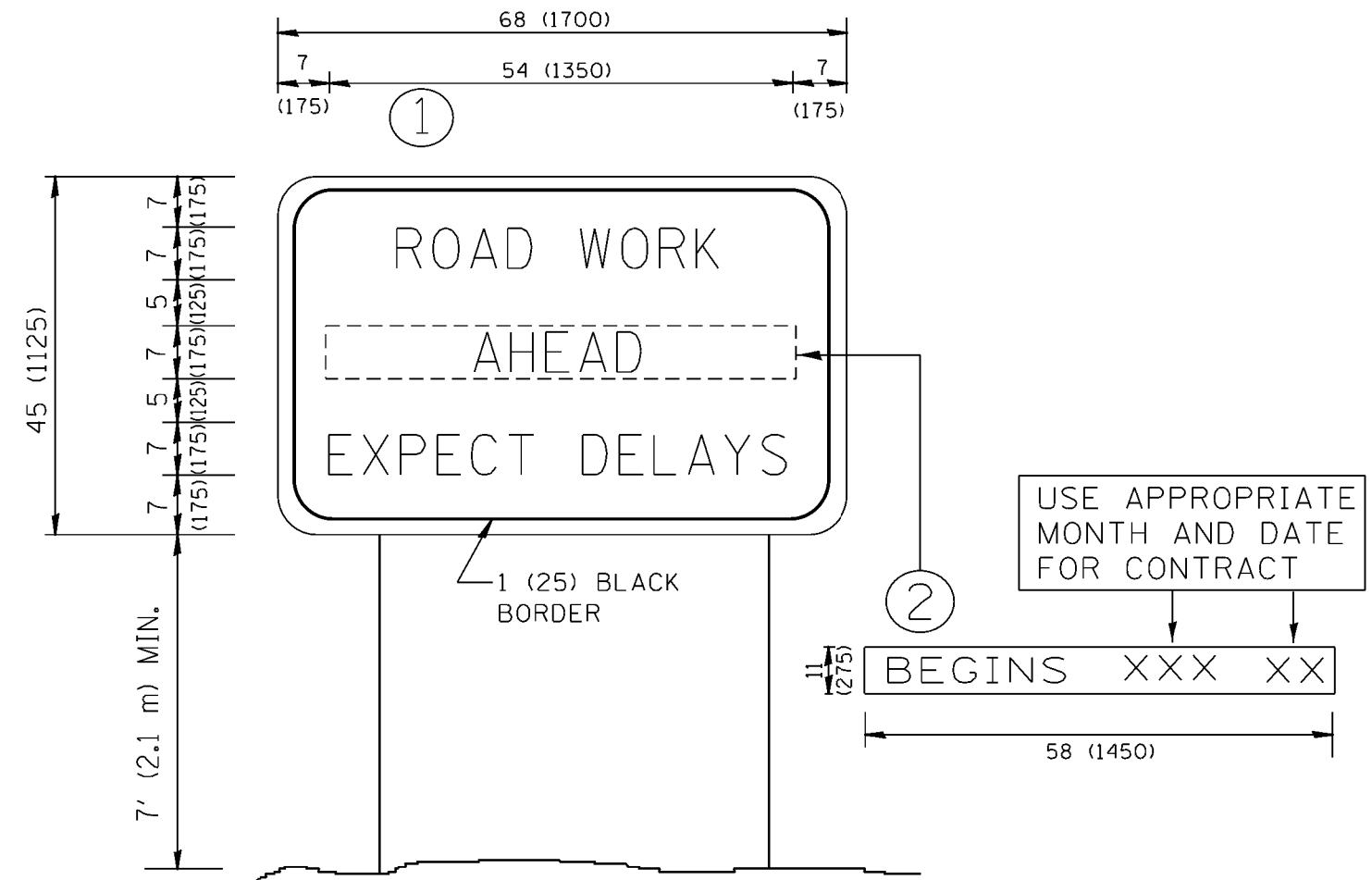
W = WIDTH OF OFFSET IN FEET (METERS)
S = NORMAL POSTED SPEED MPH (KM/H)
2. TYPE II BARRICADES OR DRUMS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES. TYPE II BARRICADES OR DRUMS WITH MONODIRECTIONAL STEADY BURN LIGHTS ARE REQUIRED FOR DELINEATING OBSTACLES, EXCAVATIONS, OR HAZARDS EXCEEDING 100 FT (30m) IN 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.

ARRAY DESIGN PER MANUFACTURER TO BE NCHRP 350/MASH COMPLIANT.

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

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

FILE NAME =	USER NAME = gulloumefp	DESIGNED -	REVISED - S.P.B. 01-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL DETAILS FOR FREEWAY SHOULDER CLOSURES AND PARTIAL RAMP CLOSURES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
			REVISED - S.P.B. 12-09			346	125RS-2	LAKE	34	32	
			REVISED - M.D. 06-13			TC-17		CONTRACT NO. 62C77			
			REVISED - M.D. 01-18			SCALE: NONE	SHEET 1	OF 1 SHEETS	STA. TO STA.	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 = gulloumefp	DESIGNED -	REVISED - R. MIRS 09-15-97
p:\IL\084EBID\INTEG\illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\1384\BROW\Dist\Design\Diststd.dgn			REVISED - R. MIRS 12-11-97
	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99
	PLOT DATE = 8/30/2018	DATE -	REVISED - C. JUCIUS 01-31-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

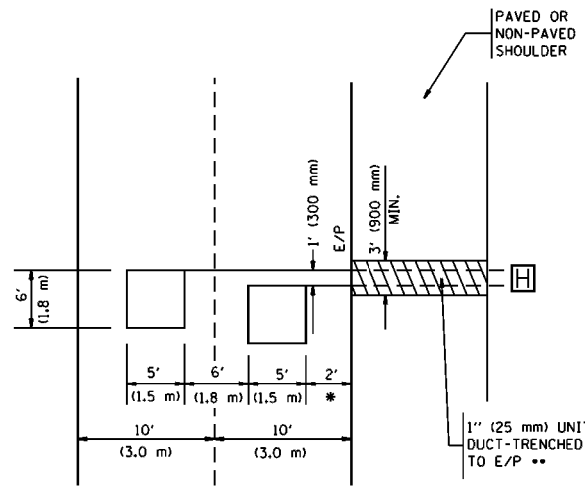
**ARTERIAL ROAD
INFORMATION SIGN**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	125RS-2	LAKE	34	33
TC-22		CONTRACT NO. 62C77		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

LOOPS NEXT TO SHOULDERS

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



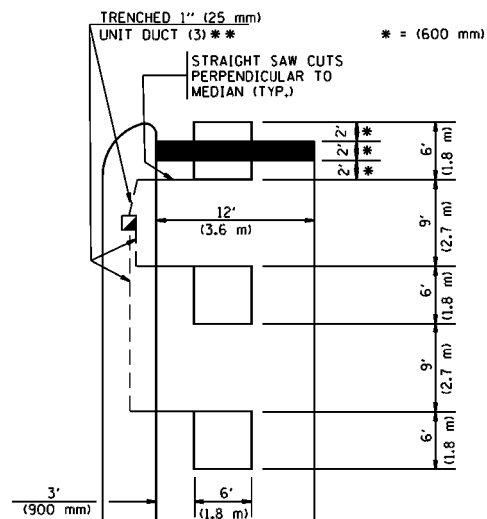
* = (600 mm)

** 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.

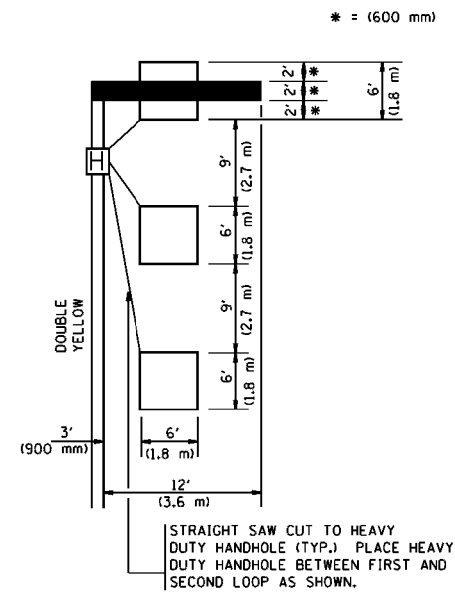


** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

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

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.

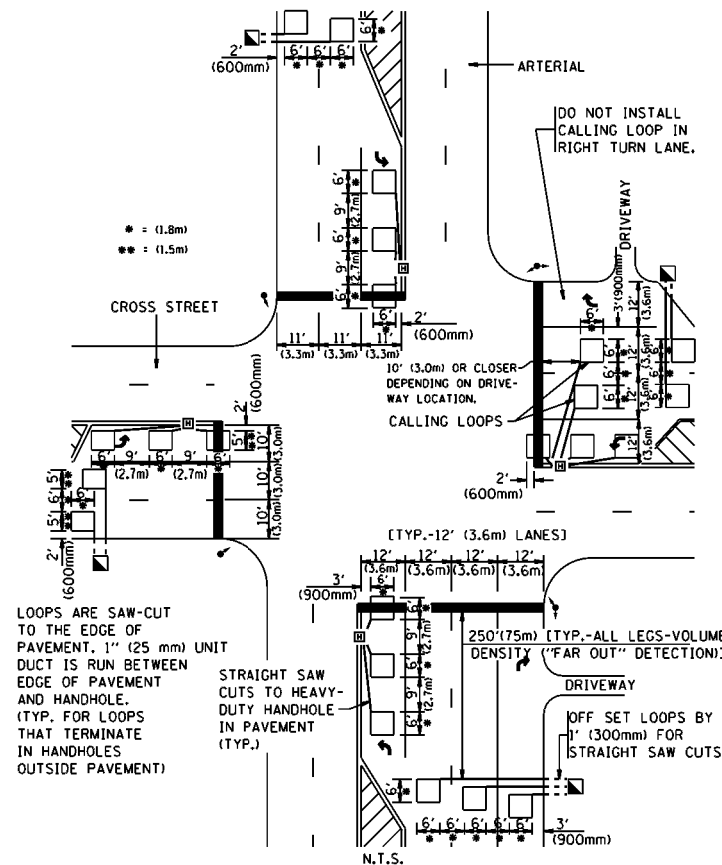
"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0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

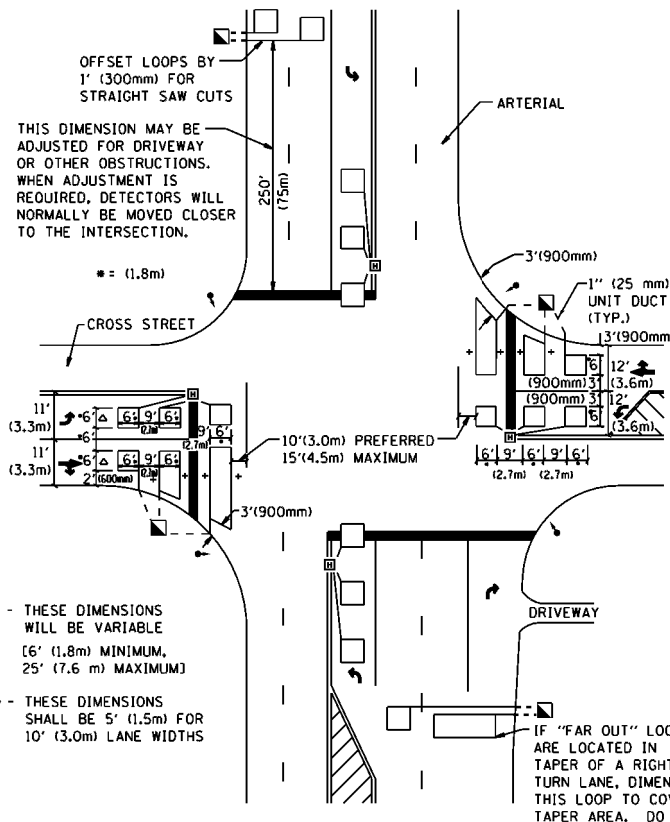
THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

**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.**

FILE NAME =	USER NAME = gulloumefp	DESIGNED -	REVISED -
p:\11\084EBID\INTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\DI384\BRW\084EBID\Design\Diststd.dgn		CHECKED - R.K.F.	REVISED -
PLOT SCALE = 100.0000' / 1in.		DATE -	REVISED -
PLOT DATE = 8/30/2018			

**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.R. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
346	125RS-2	LAKE	34	34
TS-07		CONTRACT NO.	62C77	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				