

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY,C&J)RS-6	DUPAGE	36*	1
ILLINOIS			CONTRACT NO. 62D16	

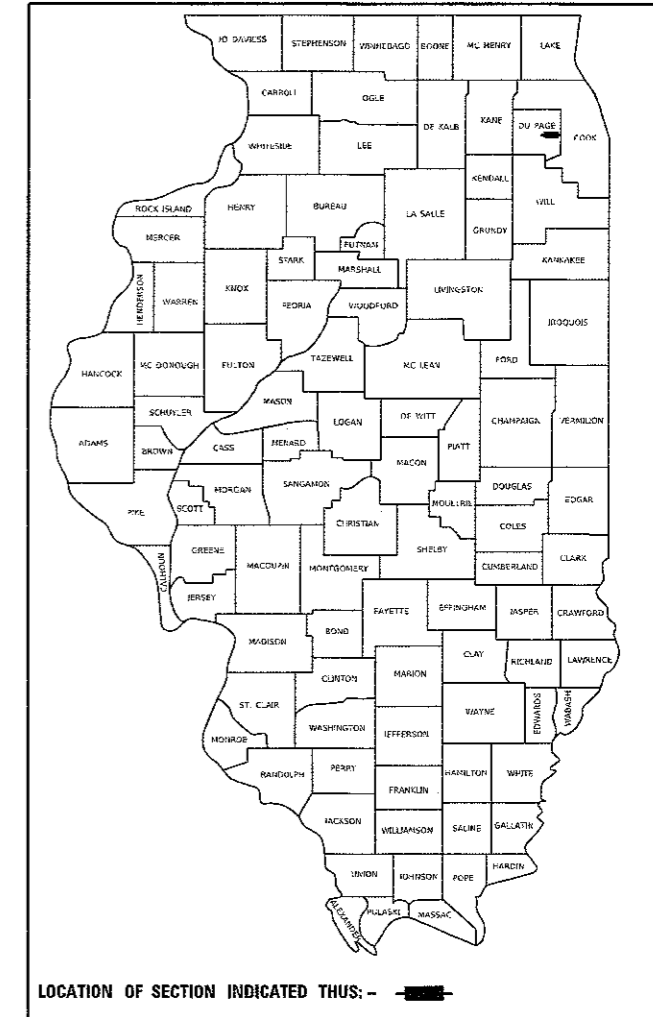
*36 + 3 = 39
D-91-434-16

FOR INDEX OF SHEETS, SEE SHEET NO. 2

THIS PROJECT IS LOCATED IN THE CITIES OF OAKBROOK TERRACE AND ELMHURST AND THE VILLAGE OF OAK BROOK

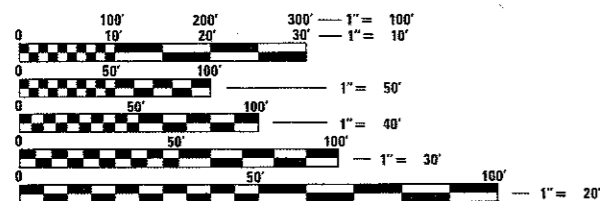
PROPOSED HIGHWAY PLANS

FAP 347: IL ROUTE 38 (ROOSEVELT ROAD)
EAST OF VILLA AVE. TO COOK COUNTY LINE
AND RAMPS AT IL 83 & IL 56
SECTION: (CY,C&J)RS-6
RESURFACING (3P), RAMP MODIFICATION
PROJECT: NHPP-ELZL(228)
DUPAGE COUNTY
C-91-434-16



TRAFFIC DATA

2017 ADT = 55700
POSTED SPEED LIMIT = 45-55 MPH

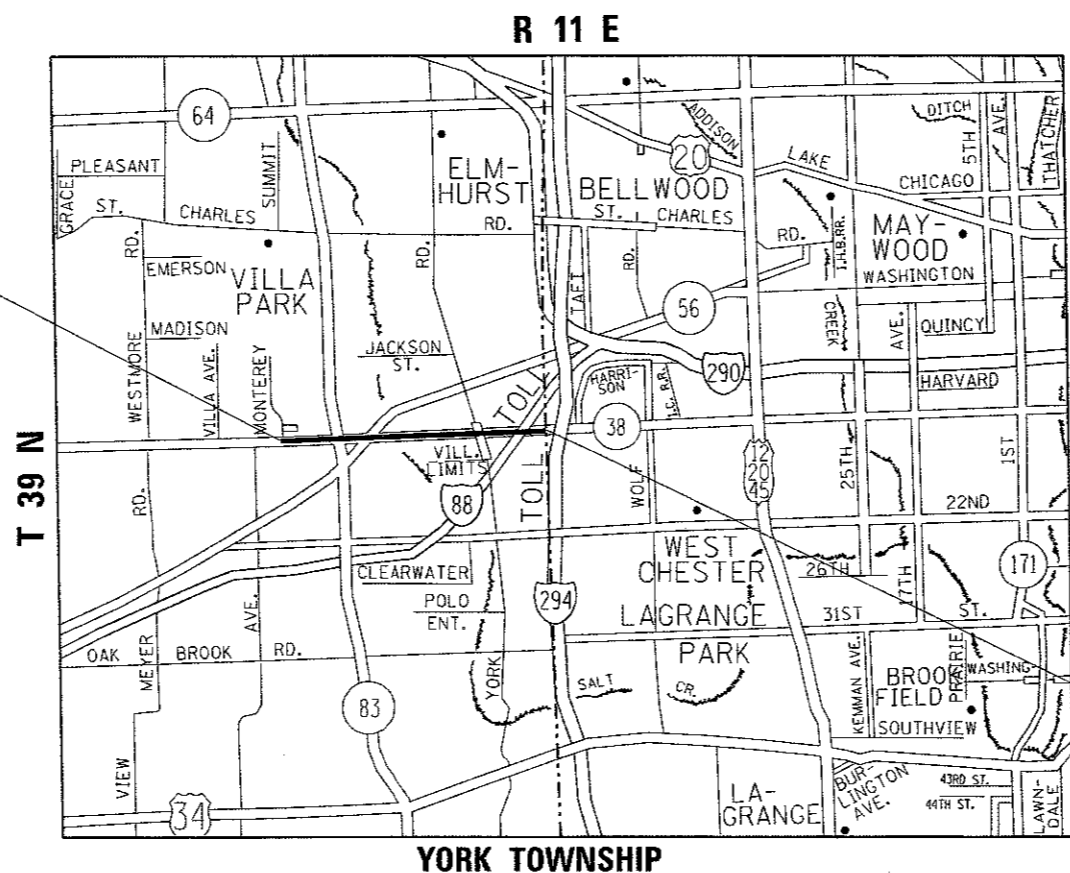


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

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

CONTRACT NO. 62D16



PROJECT BEGINS STA. 23 + 30

- RESURFACING OMISSIONS:
- STA 39+32 - STA 41+78
 - STA 52+82 - STA 55+00
 - STA 66+69 - STA 71+15
 - STA 115+34 - STA 117+36
 - STA 115+34 - STA 117+36
 - STA 130+15 - STA 133+14
 - STA 149+11 - STA 151+60

PROJECT ENDS STA. 151 + 60

GROSS LENGTH = 12,830 FT. = 2.4 MILE
NET LENGTH = 11,910 FT. = 2.2 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED March 22, 2018

Anthony J. Quinley REGIONAL ENGINEER
May 10, 2018

David P. [Signature] ENGINEER OF DESIGN AND ENVIRONMENT
May 10, 2018

David P. [Signature] DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

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34	ARTERIAL ROAD INFORMATION SIGN (TC-22)
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STATE STANDARDS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
442001-04	CLASS A PATCHES
442101-08	CLASS B PATCHES
442201-03	CLASS C AND D PATCHES
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
630001-12	STEEL PLATE BEAM GUARDRAIL
701101-05	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24" FROM PAVEMENT EDGE
701411-09	LANE CLOSURE, MULTILANE, AT ENTRANCE OR EXIT RAMP, FOR SPEEDS ≥ 45MPH
701421-08	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS ≥ 45MPH TO 55 MPH
701422-10	LANE CLOSURE, MULTILANE, FOR SPEEDS ≥ 45MPH TO 55 MPH
701426-09	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS ≥ 45MPH
701451-05	RAMP CLOSURE FREEWAY/EXPRESSWAY
701601-09	URBAN LANE CLOSURE, 1W OR 2W, WITH NONTRAVERSABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-07	TRAFFIC CONTROL DEVICES

GENERAL NOTES

1. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT THE WRITTEN PERMISSION OF THE DEPARTMENT.
2. 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.
3. 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 ENGINEER.
4. ALL PAVEMENT PATCHING LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
5. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
6. 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.
7. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.
8. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
9. PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES.
10. WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 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 1:3 (V:H).
11. 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.
12. UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURE AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS, OVERNIGHT CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING.
13. THE RESIDENT ENGINEER SHALL CONTACT DON CHIARUGI (DON.CHIARUGI@ILLINOIS.GOV), AREA TRAFFIC FIELD ENGINEER, A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
14. THE CONTRACTOR SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS PRIOR TO BEGINNING WORK.
15. CURB & GUTTER REMOVAL AND REPLACEMENT LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE ENGINEER.
16. CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES DURING CONSTRUCTION
17. THE ENGINEER SHALL REPORT CLEARANCES UNDER THE BRIDGE BEFORE AND AFTER RESURFACING
18. CONTACT IDOT ROADSIDE DEVELOPMENT UNIT AT 847-705-4171 AT LEAST 2 WEEKS PRIOR TO BEGINNING CONTROL AND FORESTRY WORK FOR LAYOUT

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY,C&J)RS-6	DUPAGE	36	2
CONTRACT NO. 62D16			ILLINOIS FED. AID PROJECT	

SCALE: SHEET OF SHEETS STA. TO STA.

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE					SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE								
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FED 20% STATE						CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FED 20% STATE					
				0005										0005					
20101000	TEMPORARY FENCE	FOOT	450	450						40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), 1L-4.75, N50	TON	5885	5885					
X0100018	TREE REMOVAL (UNDER 6 UNITS DIAMETER)	UNIT	300	300															
20200100	EARTH EXCAVATION	CU YD	148	148						40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SO YD	1667	1667					
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	200	200															
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	30	30						40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	4595	4595					
20101350	TREE PRUNING (OVER 10 INCH DIAMTER)	EACH	10	10															
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	36	36						40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	3739	3739					
										40800029	BITUMINOUS MATERIALS (TACK COAT)	POUND	2362	2362					
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	5	5						42001300	PROTECTIVE COAT	SO YD	153	153					
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	5	5						44000100	PAVEMENT REMOVAL	SO YD	205	205					
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	5	5						44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SO YD	136567	136567					
25000750	MOWING	ACRE	14	14															
25200110	SODDING, SALT TOLERANT	SO YD	22	22						44002213	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 3 1/4"	SO YD	25245	25245					
25003210	INTERSEEDING, CLASS 2A	ACRE	10	10															
25200200	SUPPLEMENTAL WATERING	UNIT	35	3						44004250	PAVED SHOULDER REMOVAL	SO YD	2455	2455					
25003312	INTERSEEDING, CLASS 4A	ACRE	4	4															
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SO YD	375	375						44200541	CLASS A PATCHES, TYPE II, 9 INCH	SO YD	850	850					
31102000	SUBBASE GRANULAR MATERIAL, TYPE C	CU YD	22	22						44200545	CLASS A PATCHES, TYPE III, 9 INCH	SO YD	116	116					
35501306	HOT-MIX ASPHALT BASE COURSE, 5 1/2"	SO YD	155	155						44200547	CLASS A PATCHES, TYPE IV, 9 INCH	SO YD	933	933					
35501326	HOT-MIX ASPHALT BASE COURSE, 10 1/2"	SO YD	205	205						44200970	CLASS B PATCHES, TYPE II, 10 INCH	SO YD	110	110					
40400001	FIBER-MODIFIED ASPHALT CRACK SEALING	FOOT	41,976	41,976															
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	92183	92183															
40400070	ASPHALT EMULSION SLURRY SEAL, MIXTURE C	SQ YD	10,494	10,494															
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	205	205															

SUMMARY OF QUANTITIES			TOTAL QUANTITIES		CONSTRUCTION TYPE CODE										
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FED 20% STATE											
44201299	DOWEL BARS 1 1/2"	EACH	210	210											
44201765	CLASS D PATCHES, TYPE II, 10 INCH	SO YD	200	200											
44201819	CLASS D PATCHES, TYPE III, 14 INCH	SO YD	35	35											
44213000	PATCHING REINFORCEMENT	SO YD	1900	1900											
44213200	SAW CUTS	FOOT	9360	9360											
44213208	TIE BARS 1 1/4"	EACH	420	420											
48101600	AGGREGATE SHOULDERS, TYPE B 8"	SQ YD	103	103											
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	194	194											
48203013	HOT-MIX ASPHALT SHOULDERS, 4"	SO YD	2300	2300											
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	8	8											
60618300	CONCRETE MEDIAN SURFACE, 4"	SQ FT	37,750	37,750											
63301210	REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL, TYPE A	FOOT	436	436											
66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	113	113											
63301215	REMOVE AND REERECT STEEL PLATE BEAM GUARDRAIL, TYPE B	FOOT	500	500											
66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1	1											
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6											
66900530	SOIL DISPOSAL ANALYSIS	EACH	2	2											
67100100	MOBILIZATION	L SUM	1	1											
70200100	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	1											
70300100	SHORT TERM PAVEMENT MARKING	FOOT	15302	15302											

SUMMARY OF QUANTITIES			TOTAL QUANTITIES		CONSTRUCTION TYPE CODE										
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FED 20% STATE											
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	5100	5100											
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLES	SO FT	117	117											
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	75000	75000											
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	830	830											
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	8126	8126											
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	2560	2560											
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	7655	7655											
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLES	SO FT	117	117											
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	75000	75000											
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	830	830											
78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	8126	8126											
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	2560	2560											
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1250	1250											

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

F.A. RTE. 347	SECTION (CY.C&I)RS-6	COUNTY	TOTAL SHEETS 36	SHEET NO. 4
FED. ROAD DIST. NO. 1 ILLINOIS		CONTRACT NO. 62D16		

* SPECIALTY ITEM

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FED 20% STATE			
78300200	RAISED REFLECTIVE PAVEMENT MARKER	EACH	882	882			
	REMOVAL						
K0029618	WEED CONTROL, BROADLEAF IN TURF	GALLON	7	7			
X0327693	HIGH FRICTION SURFACE TREATMENT	SQ YD	3675	3675			
X0325222	WEED CONTROL, BASAL TREATMENT	GALLON	4	4			
X0327980	PAVEMENT MARKING REMOVAL - WATER	SQ FT	790	790			
	BLASTING						
X2020110	GRADING AND SHAPING SHOULDERS	UNIT	48	48			
X4060004	POLYMERIZED HOT-MIX ASPHALT SURFACE	TON	10243	10243			
	COURSE, STONE MATRIX ASPHALT, 9.5, N80						
X4405030	LONGITUDINAL PARTIAL DEPTH REMOVAL 3"	FOOT	850	850			
X4420900	LONGITUDINAL PARTIAL DEPTH PATCHING	TON	32	32			
X4510050	HIGH FRICTION SURFACE TREATMENT CRACK	FOOT	993	993			
	FILLING						
X6030310	FRAMES AND LIDS TO BE ADJUSTED	EACH	10	10			
	(SPECIAL)						
* X6330190	REMOVE AND RE-ERECT TRAFFIC BARRIER	EACH	3	3			
	TERMINAL, TYPE 1, SPECIAL						
X7010216	TRAFFIC CONTROL AND PROTECTION,	L SUM	1	1			
	(SPECIAL)						
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	60	60			
X7030005	TEMPORARY PAVEMENT MARKING REMOVAL	SQ FT	2550	2550			

SUMMARY OF QUANTITIES			CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FED 20% STATE			
Z0004562	COMBINATION CONCRETE CURB AND GUTTER	FOOT	685	685			
	REMOVAL AND REPLACEMENT						
Z0030850	TEMPORARY INFORMATION SIGNING	SO FT	205.6	205.6			
Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	47640	47640			
Z0064800	SELECTIVE CLEARING	UNIT	8	8			
Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1	1			

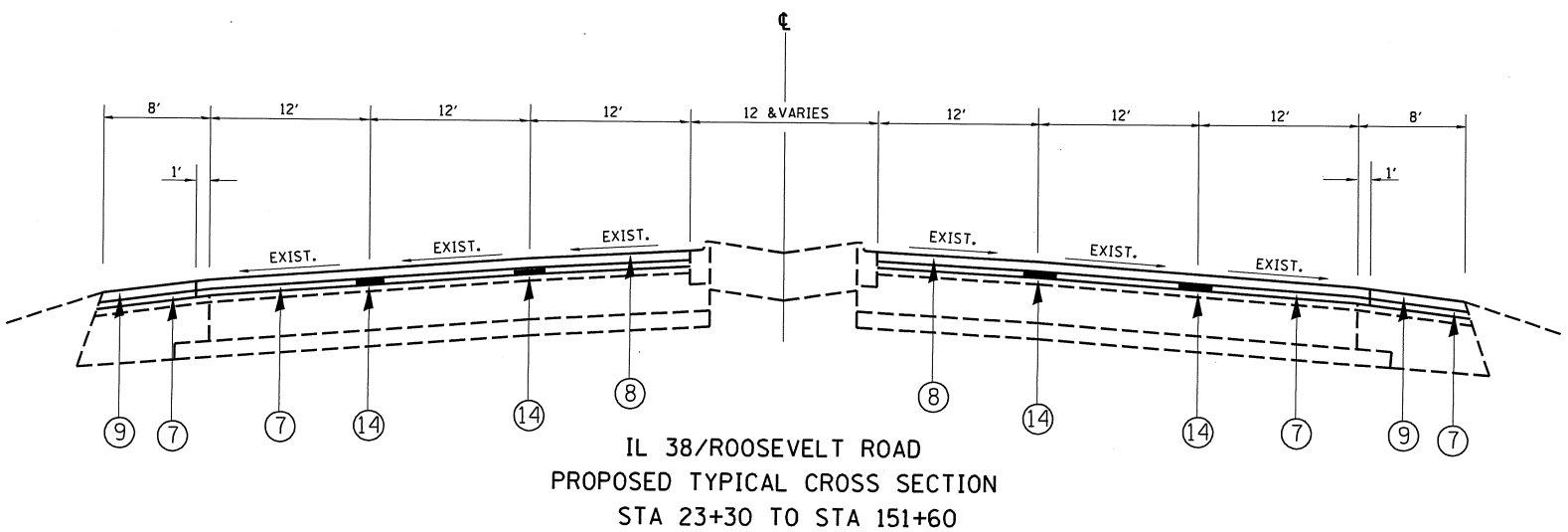
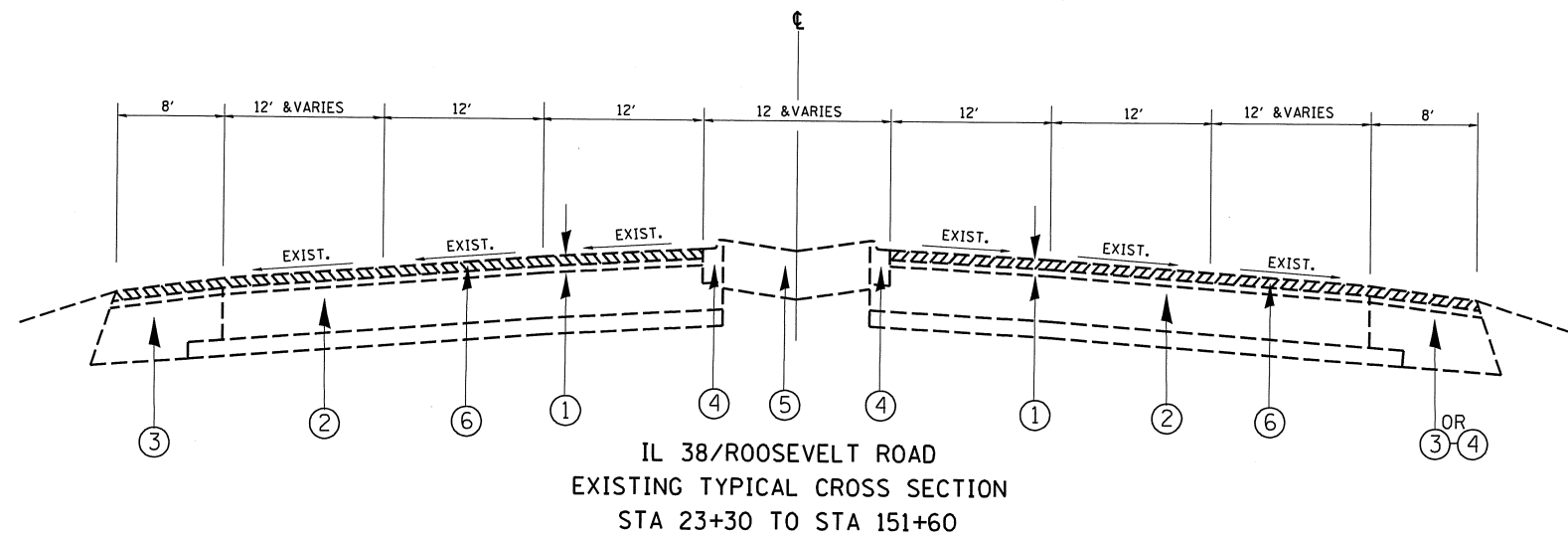
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY.C&J)RS-6	DUPAGE	36	5
CONTRACT NO. 62D16				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

* SPECIALTY ITEM



LEGEND

- ① EXISTING HMA SURFACE COURSE, 3 1/4"
- ② EXISTING CRC/PCC PAVEMENT, 10" AND VARIES
STA 23+20 - STA 104+43 CRC
STA 104+43 - STA 130+15 PCC
STA 130+15 - STA 151+60 CRC
- ③ EXISTING HMA SHOULDER
- ④ EXISTING CURB AND GUTTER
- ⑤ EXISTING CONCRETE MEDIAN
- ⑥ PROPOSED HMA SURFACE REMOVAL, 2 1/2"
- ⑦ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- ⑧ PROPOSED POLYMERIZED HMA SURFACE COURSE, SMA, N80, 9.5, 1 3/4"
- ⑨ PROPOSED HMA SURFACE COURSE, MIX "D", N70, 1 3/4"
- ⑩ PROPOSED HMA SURFACE OVERLAY, 2 1/2" (SEE PAGE 15 FOR DETAILS)
- ⑪ PROPOSED AGGREGATE SUBGRATE IMPROVEMENT, 12"
- ⑫ PROPOSED HOT-MIX ASPHALT BASE COURSE, 10 1/2"
- ⑬ PROPOSED HOT-MIX ASPHALT BASE COURSE, 5 1/2"
- ⑭ PROPOSED LONGITUDINAL JOINT SEALANT (IL ROUTE 38 ONLY)
- ⑮ PROPOSED HIGH FRICTION SURFACE TREATMENT (HFST)
- ⑯ PROPOSED AGGREGATE WEDGE SHOULDERS, TYPE B
- ⑰ PROPOSED GRADING AND SHAPING SHOULDERS
- ⑱ PROPOSED SUBBASE GRANULAR MATERIAL, TYPE C
- ⑲ PROPOSED AGGREGATE SHOULDERS, TYPE B, 8"
- ⑳ PROPOSED TOPSOIL, 4"

NOTES:

1. THE CONTRACTOR SHALL PATCH BEFORE MILLING
2. THE UNIT WEIGHT TO BE USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.
3. 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.
4. THE PROPOSED LOGITUDINAL JOINT SEALANT SHALL BE PLACED OVER THE POLYMERIZED LEVELING BINDER WHERE THE SURFACE MIX JOINT WILL BE LOCATED
5. EXISTING SHOULDERS FROM STA 133+14 TO STA 149+11 (WB ONLY), SHALL BE REMOVED AND REPLACED PRIOR TO OVERLAYING BOTH PCC PAVMENT AND SHOULDERS. (SEE PAGE 15 FOR DETAILS)
6. LONGITUDINAL PARTIAL DEPTH PATCHING SHALL BE PERFORMED PRIOR TO OVERLAYING PCC PAVEMENT
7. ASPHALTIC EMULSION SLURRY SEAL SHALL BE APPLIED ON THE BARRIER MEDIAN, FROM INSIDE CURB TO INSIDE CURB INCLUDING GUARDRAILS, ON IL ROUTE 38 FROM STA 24+10 TO STA 131+00 AND AT OTHER VARIOUS LOCATIONS SHOWN ON PLANS AND AS DIRECTED BY THE RESIDENT ENGINEER.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS		QUALITY MANAGEMENT PROGRAM (QMP)
MIXTURE TYPE	AIR VOIDS @ Ndes	
POLYMERIZED HMA SURFACE COURSE, SMA, N80, 9.5	3.5% @ 80 GYR.	PFPP
HMA SURFACE COURSE, MIX "D", N70, (IL-9.5 mm)	4% @ 70 GYR.	OC/OA
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	3.5% @ 50 GYR.	OCP
HOT-MIX ASPHALT BASE COURSE, (HMA BINDER IL-19.0); 10 1/2"	4% @ 70 GYR.	OC/OA
HOT-MIX ASPHALT BASE COURSE, (HMA BINDER IL-19.0); 5 1/2"	4% @ 70 GYR.	OC/OA
HMA SHOULDER, 4" (HMA BINDER IL-19.0)	4% @ 70 GYR.	OC/OA
LOGITUDINAL PARTIAL DEPTH PATCHING (HMA BINDER IL-19.0)	4% @ 70 GYR.	OC/OA
CLASS D PATCHES (HMA BINDER IL-19 mm)	4% @ 70 GYR.	OC/OA
HMA REPLACEMENT OVER PATCHES (HMA BINDER IL-19 mm)	4% @ 70 GYR.	OC/OA

QMP DESIGNATION: QUALITY CONTROL/ QUALITY ASSURANCE (OC/OA); QUALITY CONTROL FOR PERFORMANCE (OCP); PAY FOR PERFORMANCE (PFPP)

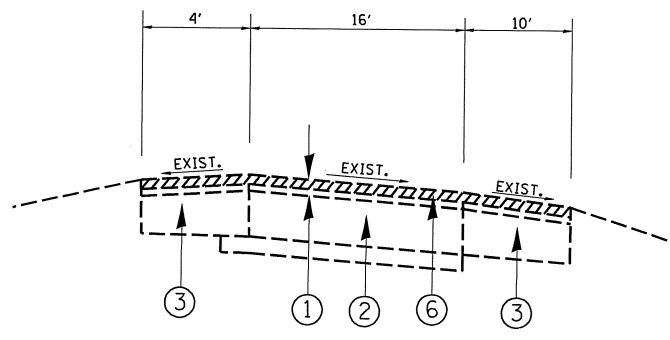
8. FOR THE AREAS WHERE A SLURRY SEAL WILL BE PLACED, THE AREA SHALL FIRST BE CRACK SEALED USING FIBER-MODIFIED ASPHALT CRACK SEALING, THEN THE TACK COAT SHALL BE APPLIED AT A RATE THAT WILL PROVIDE A RESIDUAL RATE OF 0.025 LB/SQFT ACCORDING TO ART. 406.05 (b)

USER NAME = Josephm	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 5/2/2018	CHECKED -	REVISED -
	DATE -	REVISED -

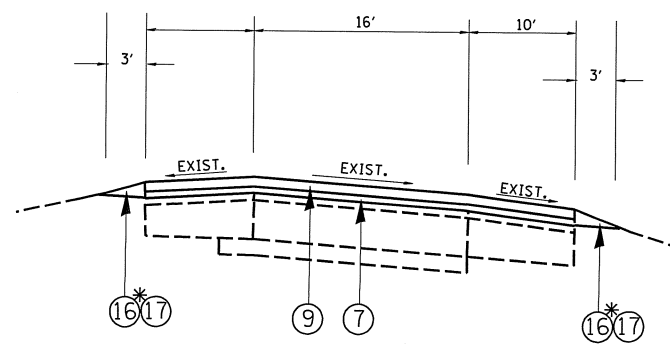
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TYPICAL SECTIONS				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

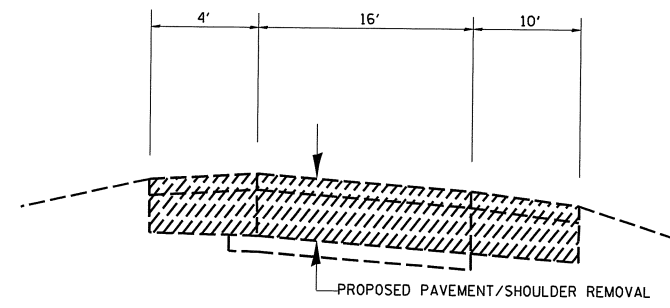
F.A.P. RTE. 347	SECTION (CY.C&J)RS-6	COUNTY DUPAGE	TOTAL SHEETS 36	SHEET NO. 6
CONTRACT NO. 62D16				
ILLINOIS FED. AID PROJECT				



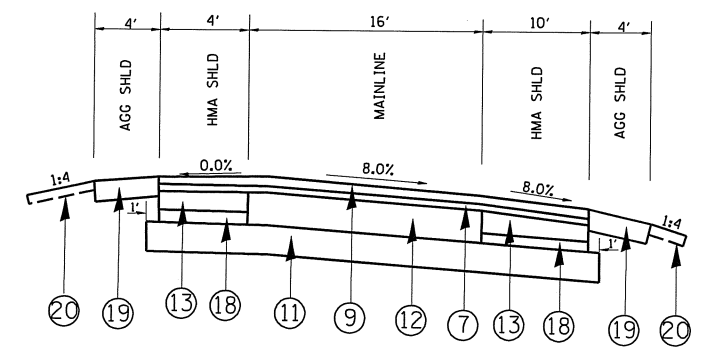
RAMPS @ IL 83 & IL 56
EXISTING TYPICAL CROSS SECTION



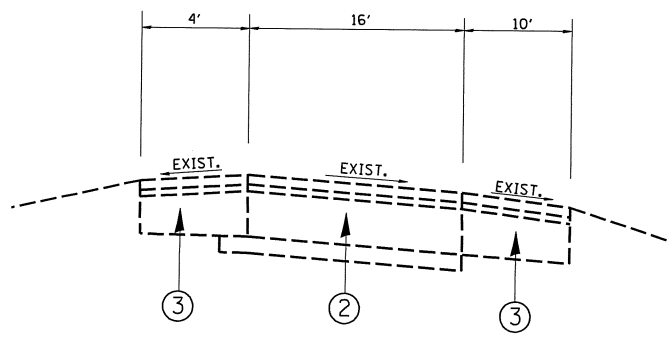
RAMPS @ IL 83 & IL 56
PROPOSED TYPICAL CROSS SECTION



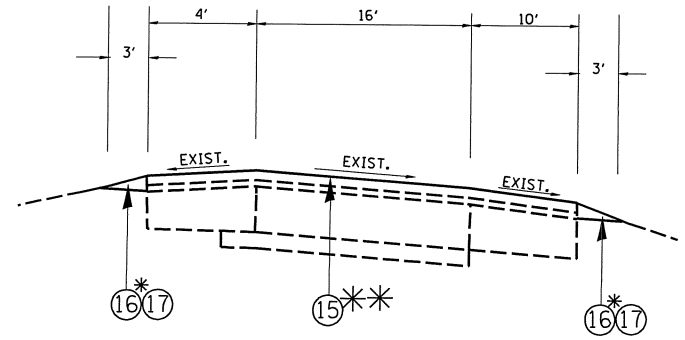
RAMP-D @ NE QUADRANT OF IL 38 & IL 83
STA 7+95 TO STA 9+10
EXISTING TYPICAL CROSS SECTION



RAMP-D @ NE QUADRANT OF IL 38 & IL 83
STA 7+95 TO STA 9+10
PROPOSED TYPICAL CROSS SECTION



RAMP-C @ NE QUADRANT IL 83 & IL 56
EXISTING TYPICAL CROSS SECTION



RAMP-C @ NE QUADRANT IL 83 & IL 56
PROPOSED TYPICAL CROSS SECTION

LEGEND

- ① EXISTING HMA SURFACE COURSE, 3 1/4"
- ② EXISTING CRC/PCC PAVEMENT, 10" AND VARIES
STA 23+20 - STA 104+43 CRC
STA 104+43 - STA 130+15 PCC
STA 130+15 - STA 151+60 CRC
- ③ EXISTING HMA SHOULDER
- ④ EXISTING CURB AND GUTTER
- ⑤ EXISTING CONCRETE MEDIAN
- ⑥ PROPOSED HMA SURFACE REMOVAL, 2 1/2"
- ⑦ PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- ⑧ PROPOSED POLYMERIZED HMA SURFACE COURSE, SMA, N80, 9.5, 1 3/4"
- ⑨ PROPOSED HMA SURFACE COURSE, MIX "D", N70, 1 3/4"
- ⑩ PROPOSED HMA SURFACE OVERLAY, 2 1/2" (SEE PAGE 15 FOR DETAILS)
- ⑪ PROPOSED AGGREGATE SUBGRADE IMPROVEMENT, 12"
- ⑫ PROPOSED HOT-MIX ASPHALT BASE COURSE, 10 1/2"
- ⑬ PROPOSED HOT-MIX ASPHALT BASE COURSE, 5 1/2"
- ⑭ PROPOSED LONGITUDINAL JOINT SEALANT (IL ROUTE 38 ONLY)
- ⑮ PROPOSED HIGH FRICTION SURFACE TREATMENT (HFST)
- ⑯ PROPOSED AGGREGATE WEDGE SHOULDERS, TYPE B
- ⑰ PROPOSED GRADING AND SHAPING SHOULDERS
- ⑱ PROPOSED SUBBASE GRANULAR MATERIAL, TYPE C
- ⑲ PROPOSED AGGREGATE SHOULDERS, TYPE B, 8"
- ⑳ PROPOSED TOPSOIL, 4"

* GRADING AND SHAPING SHOULDER & AGGREGATE WEDGE SHOULDER LOCATIONS WILL BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER.

** EXISTING PAVEMENT MARKING SHALL BE REMOVED BEFORE "HIGH FRICTION SURFACE TREATMENT" APPLICATION

MODEL: Debut
FILE NAME: C:\low\work\low\josephm\0494891\143416-shr-shldn.dgn

USER NAME = Josephm	DESIGNED -	REVISED -
PLOT SCALE = 100.0003' / in.	DRAWN -	REVISED -
PLOT DATE = 4/30/2018	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: NONE		SHEET OF SHEETS		STA.	TO STA.
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F.A.P. RTE. 347	SECTION (CY,C&JRS-6)	COUNTY DUPAGE	TOTAL SHEETS 36	SHEET NO. 7
CONTRACT NO. 62D16				ILLINOIS FED. AID PROJECT

ALIGNMENT	LOCATION			EARTH EXCAVATION (20200100) CUBIC YARD	EARTH EXCAVATION TO BE USED IN FILL (ADJUSTED FOR SHRINKAGE) CUBIC YARD	FILL CUBIC YARD	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) CUBIC YARD	TOPSOIL EXCAVATION (EXISTING TOPSOIL) (DEPTH = 8") (21101505) CUBIC YARD	TOPSOIL PLACEMENT (PROPOSED TOPSOIL) (DEPTH = 4") CUBIC YARD	TOPSOIL BALANCE WASTE (+) OR SHORTAGE (-) CUBIC YARD
	FROM STATION	TO STATION	OFFSET							
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)		
RAMP D	7+75	7+95		0	0	0	0	0	0	0
RAMP D	7+95	8+00		8	7	0	+ 7	1	0	+ 1
RAMP D	8+00	8+25		37	31	2	+ 29	5	1	+ 5
RAMP D	8+25	8+50		30	25	7	+ 18	7	2	+ 5
RAMP D	8+50	8+75		26	22	13	+ 10	10	4	+ 6
RAMP D	8+75	9+00		32	27	10	+ 17	9	4	+ 6
RAMP D	9+00	9+10		15	13	2	+ 11	3	1	+ 2
RAMP D	9+10	9+25		0	0	0	0	0	0	0
SUB-TOTAL =				148	126	34	+ 92	36	12	+ 24*

*EXCESS TOPSOIL FROM RAMP MODIFICATION SHALL BE USED BEHIND CURB AND GUTTER REMOVAL AND REPLACEMENT AT LOCATIONS WHERE NEEDED OR AS DIRECTED BY RESIDENT ENGINEER.

COLUMN 1: LOCATION FROM PLAN

COLUMN 2: QUANTITIES OF EARTH EXCAVATION (CUT) FROM CROSS SECTIONS, WHICH DOES NOT INCLUDE UNSUITABLE MATERIAL AND/OR TOPSOIL

COLUMN 3: QUANTITIES OF EARTH EXCAVATION (CUT) ADJUSTED FOR A SHRINKAGE FACTOR OF 15%

COLUMN 4: QUANTITIES OF EMBANKMENT (FILL) FROM CROSS SECTIONS

COLUMN 5: EARTHWORK REQUIRED (COLUMN 3 - COLUMN 4)

(+) = QUANTITY TO BE WASTED

(-) = QUANTITY OF EMBANKMENT (FILL) NEEDED

COLUMN 6: QUANTITIES OF EXISTING TOPSOIL FROM CROSS SECTIONS, TO BE PAID FOR AS "TOPSOIL EXCAVATION AND PLACEMENT".

THESE QUANTITIES ARE NOT INCLUDED IN EARTH EXCAVATION OR EMBANKMENT

COLUMN 7: QUANTITIES OF TOPSOIL NEEDED FOR LANDSCAPING FROM CROSS SECTIONS

COLUMN 8: TOPSOIL REQUIRED (COLUMN 7 - COLUMN 8)

(+) = QUANTITY OF TOPSOIL TO BE WASTED

(-) = QUANTITY OF FURNISHED TOPSOIL NEEDED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

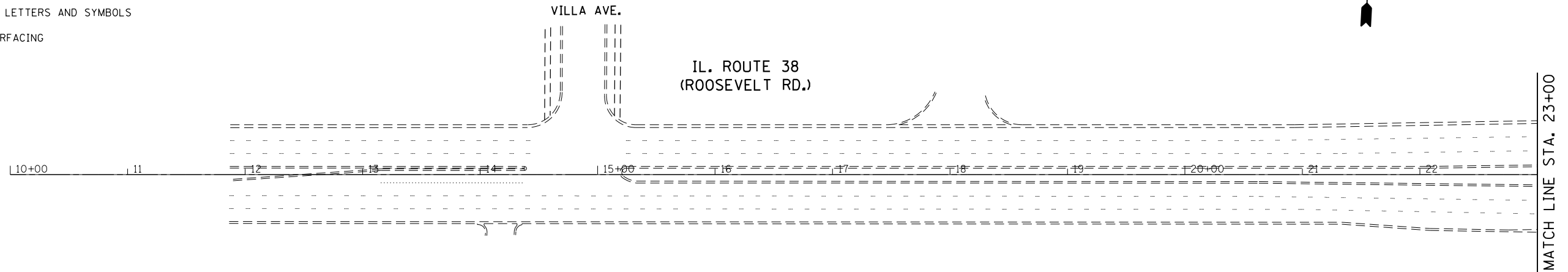
SCHEDULE OF QUANTITIES - RAMP D

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY,C&JRS-6	DUPAGE	36	8
CONTRACT NO. 62D16			ILLINOIS FED. AID PROJECT	

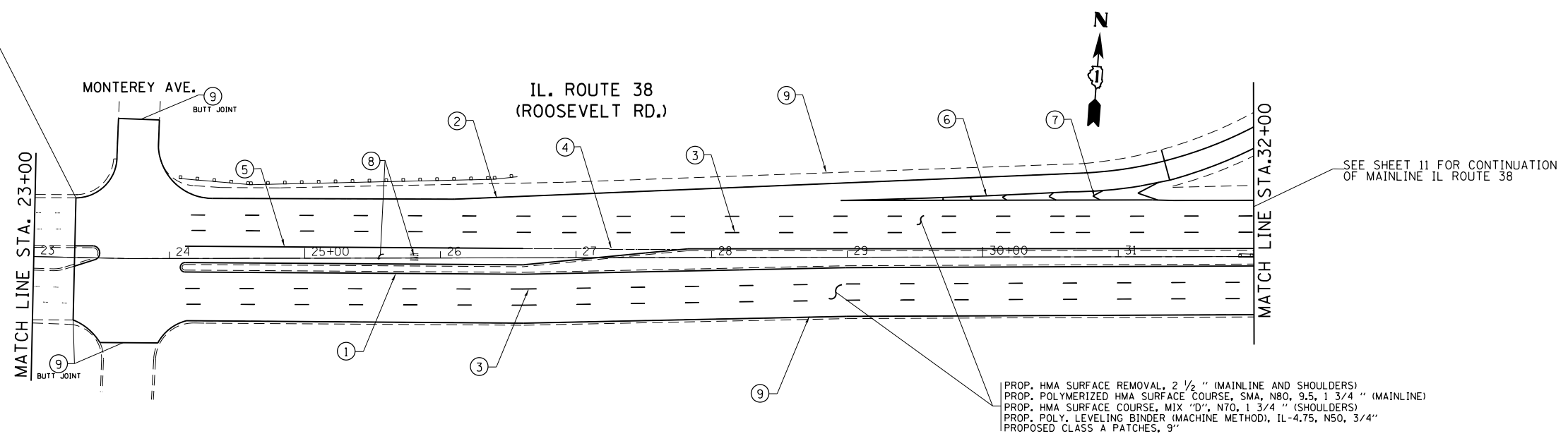
SCALE: SHEET OF SHEETS STA. TO STA.

LEGEND

- ① THPL PAVT MK LINE 4", SINGLE SOLID YELLOW LINE
- ② THPL PAVT MK LINE 4", SOLID WHITE, EDGE LINE
- ③ THPL PAVT MK LINE 4", SKIP DASH WHITE LANE LINE, 10' DASH - 30' SKIP
- ④ THPL PAVT MK LINE 6", SKIP DASH WHITE LANE LINE, 2' DASH - 6' SKIP
- ⑤ THPL PAVT MK LINE 6", SOLID WHITE LINE
- ⑥ THPL PAVT MK LINE 8", SOLID WHITE LINE
- ⑦ THPL PAVT MK LINE 12", SOLID WHITE DIAGONAL, 45°
- ⑧ THPL PAVT MK, LETTERS AND SYMBOLS
- ⑨ LIMIT OF RESURFACING
- ⑩ THPL PAVT MK LINE 4", SKIP DASH WHITE LANE LINE, 2' DASH - 6' SKIP
- ⑪ THPL PAVT MK LINE 8", SKIP DASH WHITE LANE LINE, 3' DASH - 9' SKIP
- ⑫ THPL PAVT MK LINE 6", SKIP DASH WHITE LANE LINE, 3' DASH - 9' SKIP



**PROJECT BEGINS
STA. 23 + 30**

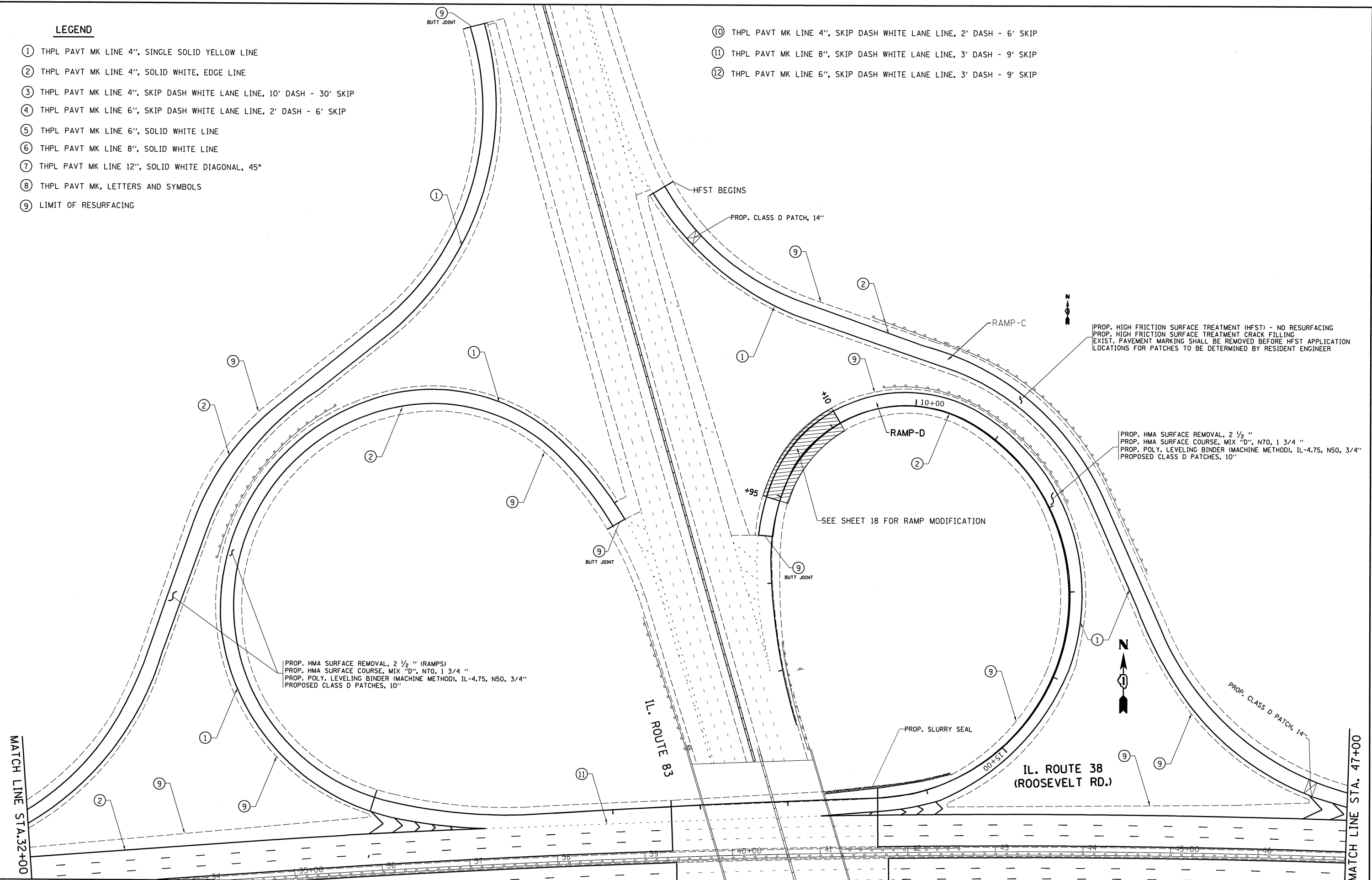


FILE NAME =	USER NAME = Josephm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG\Illinois.gov\PWIDOT\Documents\IDOT Offices\District 1\Projects\DI4346\Meta\Design\DI43416-shr-plan.dgn								SCALE: 1" = 50'			347	(CY,C&JRS-6)
PLOT SCALE = 100.0000' / in.					SHEET OF SHEETS			CONTRACT NO. 62D16				
PLOT DATE = 3/23/2018					STA. TO STA.			ILLINOIS FED. AID PROJECT				

LEGEND

- ① THPL PAVT MK LINE 4", SINGLE SOLID YELLOW LINE
- ② THPL PAVT MK LINE 4", SOLID WHITE, EDGE LINE
- ③ THPL PAVT MK LINE 4", SKIP DASH WHITE LANE LINE, 10' DASH - 30' SKIP
- ④ THPL PAVT MK LINE 6", SKIP DASH WHITE LANE LINE, 2' DASH - 6' SKIP
- ⑤ THPL PAVT MK LINE 6", SOLID WHITE LINE
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- ⑦ THPL PAVT MK LINE 12", SOLID WHITE DIAGONAL, 45°
- ⑧ THPL PAVT MK, LETTERS AND SYMBOLS
- ⑨ LIMIT OF RESURFACING

- ⑩ THPL PAVT MK LINE 4", SKIP DASH WHITE LANE LINE, 2' DASH - 6' SKIP
- ⑪ THPL PAVT MK LINE 8", SKIP DASH WHITE LANE LINE, 3' DASH - 9' SKIP
- ⑫ THPL PAVT MK LINE 6", SKIP DASH WHITE LANE LINE, 3' DASH - 9' SKIP

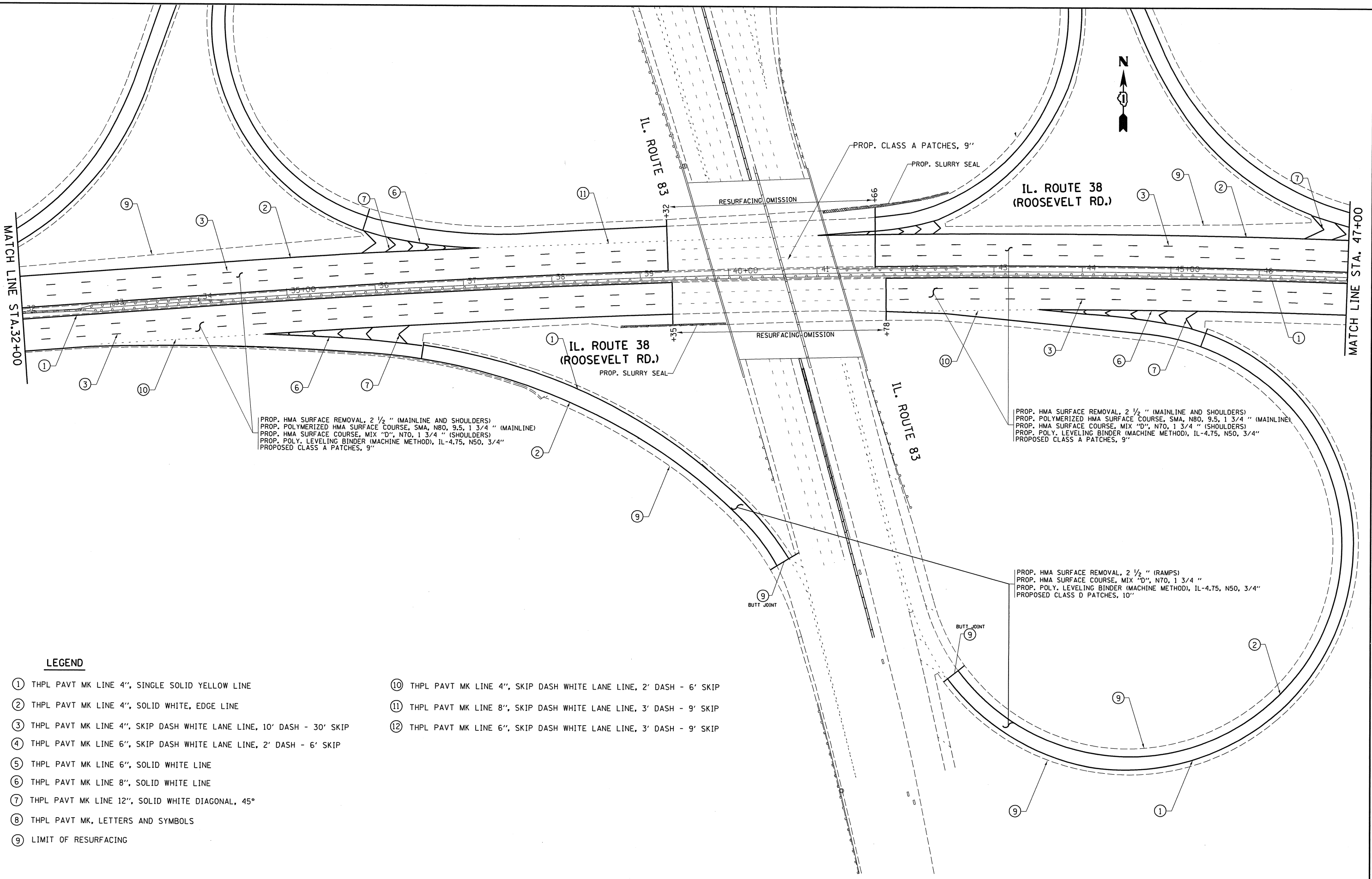


PROP. HMA SURFACE REMOVAL, 2 1/2" (RAMPS)
 PROP. HMA SURFACE COURSE, MIX "D", N70, 1 3/4"
 PROP. POLY. LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
 PROPOSED CLASS D PATCHES, 10"

PROP. HIGH FRICTION SURFACE TREATMENT (HFST) - NO RESURFACING
 PROP. HIGH FRICTION SURFACE TREATMENT CRACK FILLING
 EXIST. PAVEMENT MARKING SHALL BE REMOVED BEFORE HFST APPLICATION
 LOCATIONS FOR PATCHES TO BE DETERMINED BY RESIDENT ENGINEER

PROP. HMA SURFACE REMOVAL, 2 1/2"
 PROP. HMA SURFACE COURSE, MIX "D", N70, 1 3/4"
 PROP. POLY. LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
 PROPOSED CLASS D PATCHES, 10"

FILE NAME =	USER NAME = Josephm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pw\work\pwidat\josephm\d0494891\143416-shr-plan.dgn		DRAWN -	REVISED -					347	(CY,C&JRS-6	DUPAGE	36	10
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -					CONTRACT NO. 62D16				
	PLOT DATE = 5/2/2018	DATE -	REVISED -					ILLINOIS FED. AID PROJECT				
				SCALE: 1" = 50'		SHEET OF SHEETS		STA. TO STA.				



① PROP. HMA SURFACE REMOVAL, 2 1/2" (MAINLINE AND SHOULDERS)
 ② PROP. POLYMERIZED HMA SURFACE COURSE, SMA, N80, 9.5, 1 3/4" (MAINLINE)
 ③ PROP. HMA SURFACE COURSE, MIX "D", N70, 1 3/4" (SHOULDERS)
 ④ PROP. POLY. LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
 ⑤ PROPOSED CLASS A PATCHES, 9"

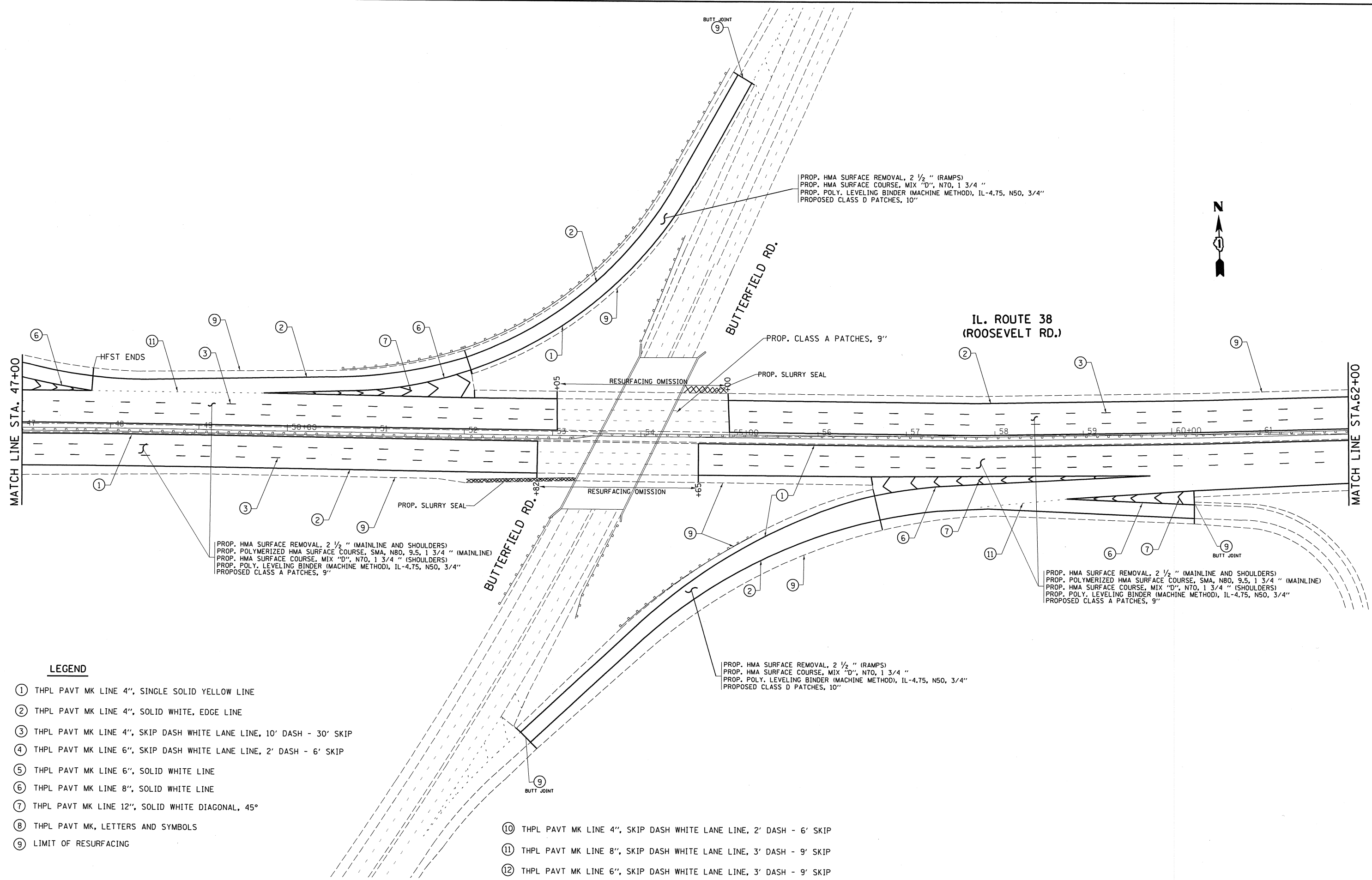
⑥ PROP. HMA SURFACE REMOVAL, 2 1/2" (MAINLINE AND SHOULDERS)
 ⑦ PROP. POLYMERIZED HMA SURFACE COURSE, SMA, N80, 9.5, 1 3/4" (MAINLINE)
 ⑧ PROP. HMA SURFACE COURSE, MIX "D", N70, 1 3/4" (SHOULDERS)
 ⑨ PROP. POLY. LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
 ⑩ PROPOSED CLASS A PATCHES, 9"

⑪ PROP. HMA SURFACE REMOVAL, 2 1/2" (RAMPS)
 ⑫ PROP. HMA SURFACE COURSE, MIX "D", N70, 1 3/4"
 ⑬ PROP. POLY. LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
 ⑭ PROPOSED CLASS D PATCHES, 10"

LEGEND

- ① THPL PAVT MK LINE 4", SINGLE SOLID YELLOW LINE
- ② THPL PAVT MK LINE 4", SOLID WHITE, EDGE LINE
- ③ THPL PAVT MK LINE 4", SKIP DASH WHITE LANE LINE, 10' DASH - 30' SKIP
- ④ THPL PAVT MK LINE 6", SKIP DASH WHITE LANE LINE, 2' DASH - 6' SKIP
- ⑤ THPL PAVT MK LINE 6", SOLID WHITE LINE
- ⑥ THPL PAVT MK LINE 8", SOLID WHITE LINE
- ⑦ THPL PAVT MK LINE 12", SOLID WHITE DIAGONAL, 45°
- ⑧ THPL PAVT MK, LETTERS AND SYMBOLS
- ⑨ LIMIT OF RESURFACING
- ⑩ THPL PAVT MK LINE 4", SKIP DASH WHITE LANE LINE, 2' DASH - 6' SKIP
- ⑪ THPL PAVT MK LINE 8", SKIP DASH WHITE LANE LINE, 3' DASH - 9' SKIP
- ⑫ THPL PAVT MK LINE 6", SKIP DASH WHITE LANE LINE, 3' DASH - 9' SKIP

FILE NAME =	USER NAME = Josephm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN	F.A.P. RTE. 347	SECTION (CY,C&JRS-6)	COUNTY DUPAGE	TOTAL SHEETS 36	SHEET NO. 11		
Default	16-sht-plan.dgn	DRAWN -	REVISED -			SCALE: 1"= 50'	SHEET OF SHEETS	STA. TO STA.	CONTRACT NO. 62016			
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			ILLINOIS FED. AID PROJECT						
	PLOT DATE = 5/2/2018	DATE -	REVISED -									



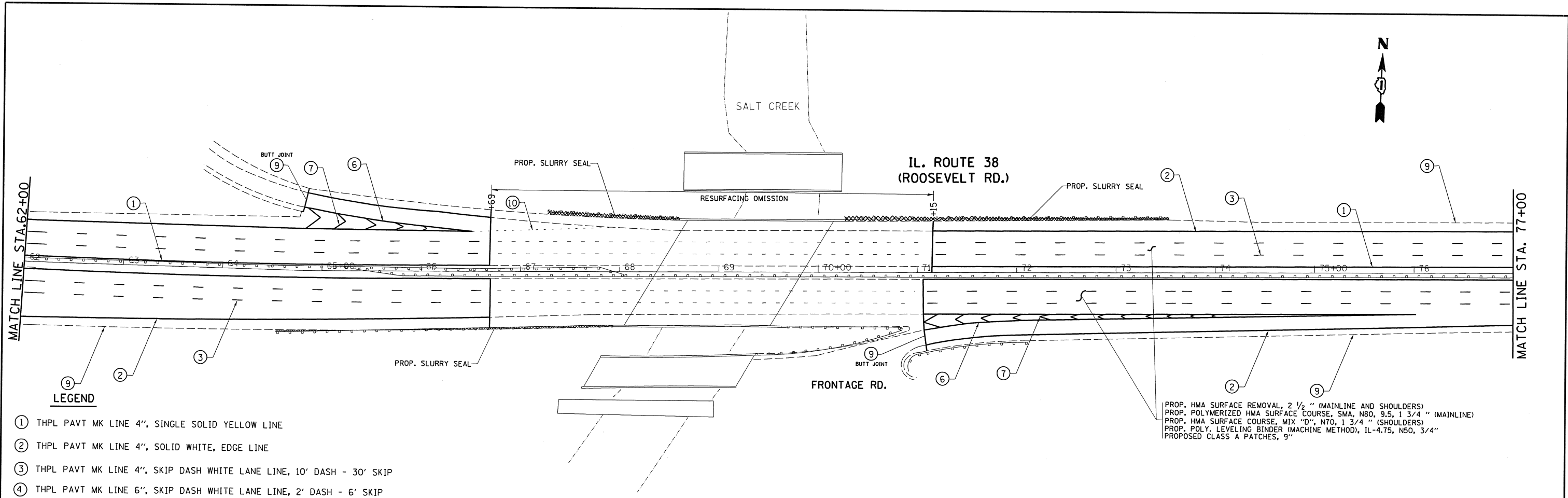
- LEGEND**
- ① THPL PAVT MK LINE 4", SINGLE SOLID YELLOW LINE
 - ② THPL PAVT MK LINE 4", SOLID WHITE, EDGE LINE
 - ③ THPL PAVT MK LINE 4", SKIP DASH WHITE LANE LINE, 10' DASH - 30' SKIP
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 - ⑦ THPL PAVT MK LINE 12", SOLID WHITE DIAGONAL, 45°
 - ⑧ THPL PAVT MK, LETTERS AND SYMBOLS
 - ⑨ LIMIT OF RESURFACING
 - ⑩ THPL PAVT MK LINE 4", SKIP DASH WHITE LANE LINE, 2' DASH - 6' SKIP
 - ⑪ THPL PAVT MK LINE 8", SKIP DASH WHITE LANE LINE, 3' DASH - 9' SKIP
 - ⑫ THPL PAVT MK LINE 6", SKIP DASH WHITE LANE LINE, 3' DASH - 9' SKIP

FILE NAME =	USER NAME = Josephm	DESIGNED -	REVISED -
c:\pw_work\pwidot\josephm\d0494891\1414316-sht-plan.dgn	16-sht-plan.dgn	DRAWN -	REVISED -
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 5/2/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROADWAY PLAN			
SCALE: 1"= 50'	SHEET	OF	SHEETS
STA.		TO	STA.

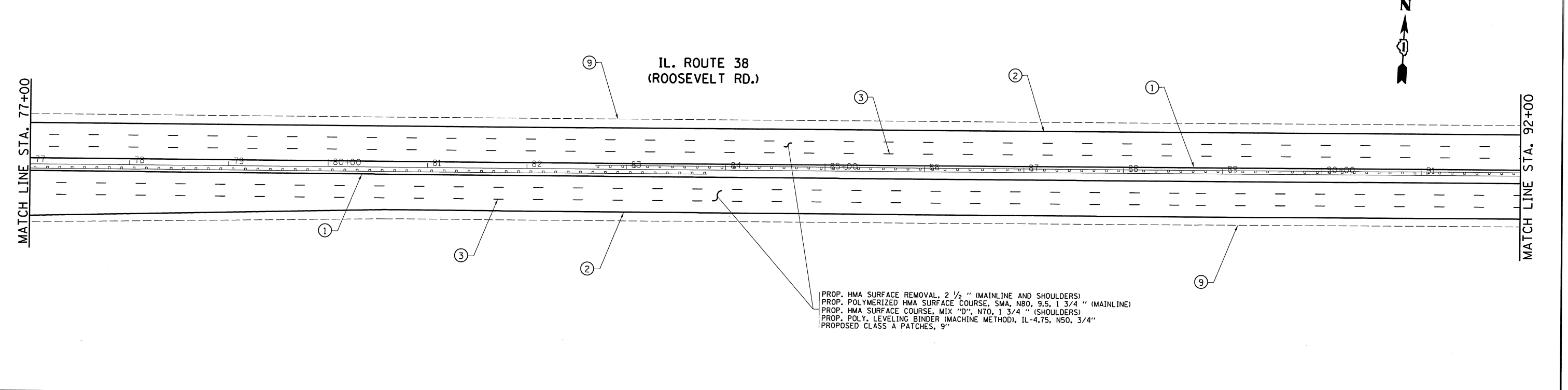
F.A.P. RTE. 347	SECTION (CY,C&JRS-6)	COUNTY DUPAGE	TOTAL SHEETS 36	SHEET NO. 12
CONTRACT NO. 62016				
ILLINOIS FED. AID PROJECT				



LEGEND

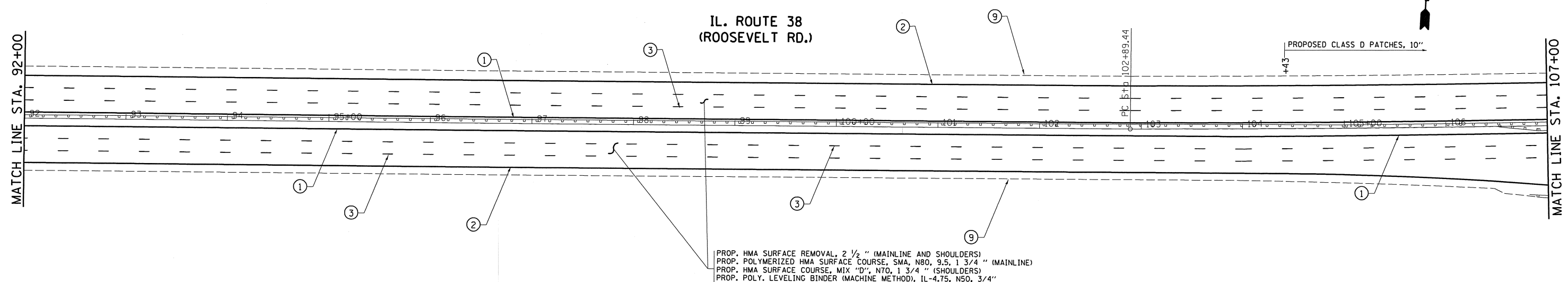
- ① THPL PAVT MK LINE 4", SINGLE SOLID YELLOW LINE
- ② THPL PAVT MK LINE 4", SOLID WHITE, EDGE LINE
- ③ THPL PAVT MK LINE 4", SKIP DASH WHITE LANE LINE, 10' DASH - 30' SKIP
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- ⑦ THPL PAVT MK LINE 12", SOLID WHITE DIAGONAL, 45°
- ⑧ THPL PAVT MK, LETTERS AND SYMBOLS
- ⑨ LIMIT OF RESURFACING
- ⑩ THPL PAVT MK LINE 4", SKIP DASH WHITE LANE LINE, 2' DASH - 6' SKIP
- ⑪ THPL PAVT MK LINE 8", SKIP DASH WHITE LANE LINE, 3' DASH - 9' SKIP
- ⑫ THPL PAVT MK LINE 6", SKIP DASH WHITE LANE LINE, 3' DASH - 9' SKIP

PROP. HMA SURFACE REMOVAL, 2 1/2" (MAINLINE AND SHOULDERS)
 PROP. POLYMERIZED HMA SURFACE COURSE, SMA, N80, 9.5, 1 3/4" (MAINLINE)
 PROP. HMA SURFACE COURSE, MIX "D", N70, 1 3/4" (SHOULDERS)
 PROP. POLY. LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
 PROPOSED CLASS A PATCHES, 9"



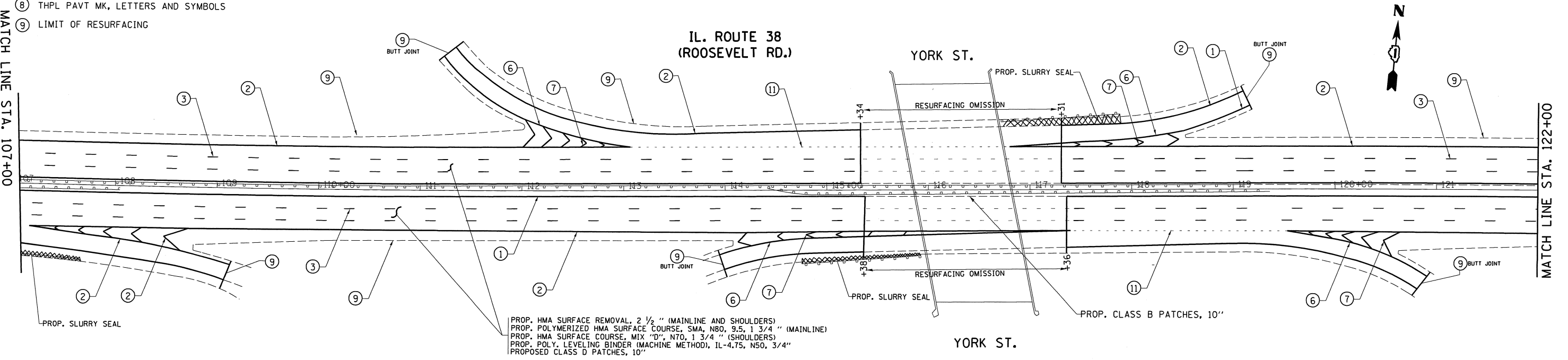
PROP. HMA SURFACE REMOVAL, 2 1/2" (MAINLINE AND SHOULDERS)
 PROP. POLYMERIZED HMA SURFACE COURSE, SMA, N80, 9.5, 1 3/4" (MAINLINE)
 PROP. HMA SURFACE COURSE, MIX "D", N70, 1 3/4" (SHOULDERS)
 PROP. POLY. LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
 PROPOSED CLASS A PATCHES, 9"

FILE NAME = c:\pw\work\p\widat\josephm\0494891\0143	USER NAME = Josephm 16-sht-plan.dgn	DESIGNED - DRAWN -	REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN	F.A.P. RTE. 347	SECTION (CY,C&JRS-6)	COUNTY DUPAGE	TOTAL SHEETS 36	SHEET NO. 13	
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -	SCALE: 1" = 50'			SHEET OF SHEETS	STA. TO STA.	CONTRACT NO. 62016		ILLINOIS FED. AID PROJECT	
PLOT DATE = 5/2/2018	DATE -	REVISED -									
Default											



LEGEND

- ① THPL PAVT MK LINE 4", SINGLE SOLID YELLOW LINE
- ② THPL PAVT MK LINE 4", SOLID WHITE, EDGE LINE
- ③ THPL PAVT MK LINE 4", SKIP DASH WHITE LANE LINE, 10' DASH - 30' SKIP
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- ⑥ THPL PAVT MK LINE 8", SOLID WHITE LINE
- ⑦ THPL PAVT MK LINE 12", SOLID WHITE DIAGONAL, 45°
- ⑧ THPL PAVT MK, LETTERS AND SYMBOLS
- ⑨ LIMIT OF RESURFACING
- ⑩ THPL PAVT MK LINE 4", SKIP DASH WHITE LANE LINE, 2' DASH - 6' SKIP
- ⑪ THPL PAVT MK LINE 8", SKIP DASH WHITE LANE LINE, 3' DASH - 9' SKIP
- ⑫ THPL PAVT MK LINE 6", SKIP DASH WHITE LANE LINE, 3' DASH - 9' SKIP



FILE NAME =	USER NAME = Josephm	DESIGNED -	REVISED -
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Default	PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -
	PLOT DATE = 5/2/2018	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

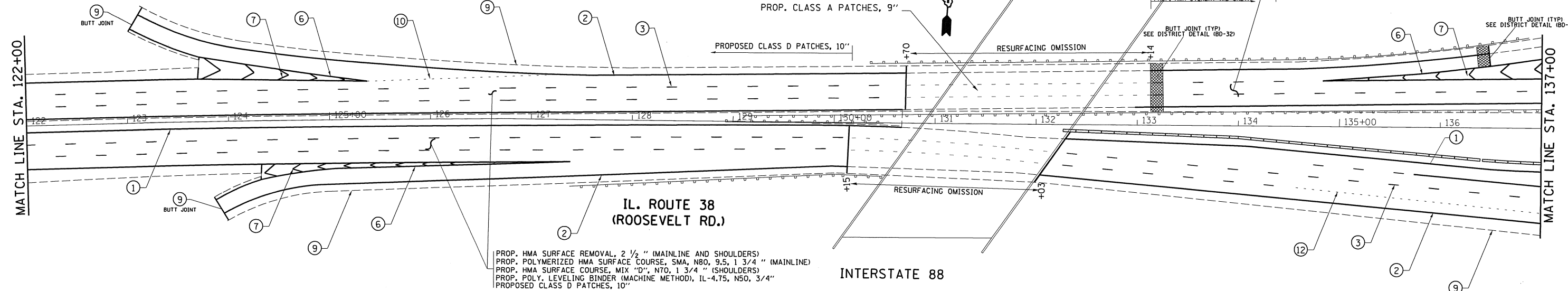
ROADWAY PLAN

SCALE: 1" = 50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY,C&JRS-6	DUPAGE	36	14
CONTRACT NO. 62016				
ILLINOIS FED. AID PROJECT				

INTERSTATE 88

PROP. HMA SURFACE OVERLAY, 2 1/2" (STA 133+14 TO 149+11) (WB ONLY)
 PROP. PAVED SHOULDER REMOVAL (SHOULDERS) - BEFORE OVERLAY
 PROP. HMA SHOULDERS, 4" (SHOULDERS) - BEFORE OVERLAY
 PROP. POLY. LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
 PROP. POLYMERIZED HMA SURFACE COURSE, SMA, N80, 1 3/4" (MAINLINE)
 PROP. HMA SURFACE COURSE, MIX "D", N70, 1 3/4" (SHOULDERS)
 PROP. GUARDRAIL REMOVAL AND REERECT (STA 133+14 TO 144+79)
 PROP. CLASS A PATCHES, 9"

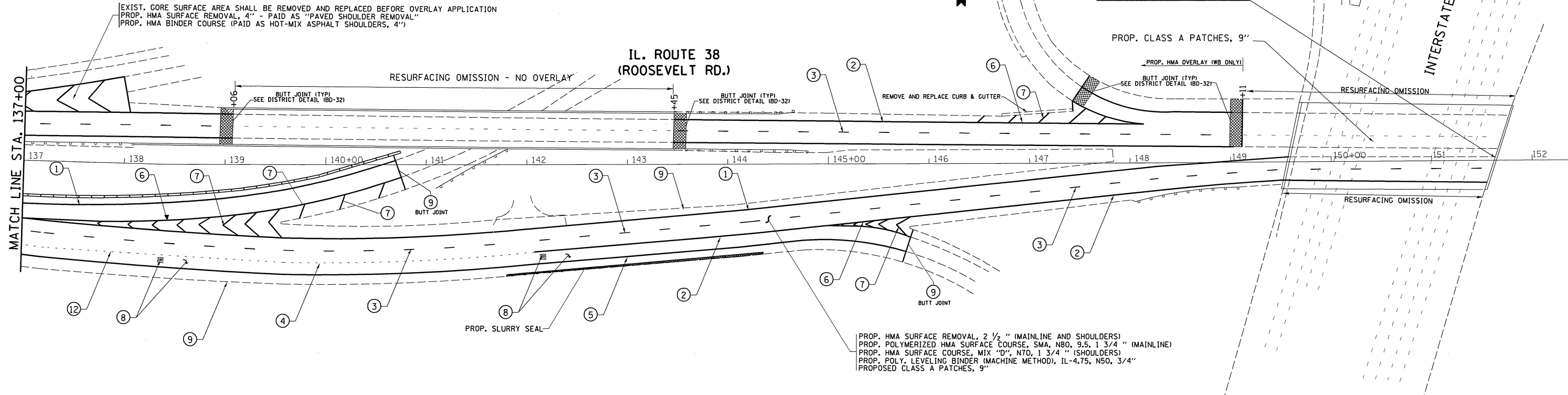


PROP. HMA SURFACE REMOVAL, 2 1/2" (MAINLINE AND SHOULDERS)
 PROP. POLYMERIZED HMA SURFACE COURSE, SMA, N80, 9.5, 1 3/4" (MAINLINE)
 PROP. HMA SURFACE COURSE, MIX "D", N70, 1 3/4" (SHOULDERS)
 PROP. POLY. LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
 PROPOSED CLASS D PATCHES, 10"

LEGEND

- ① THPL PAVT MK LINE 4", SINGLE SOLID YELLOW LINE
- ② THPL PAVT MK LINE 4", SOLID WHITE, EDGE LINE
- ③ THPL PAVT MK LINE 4", SKIP DASH WHITE LANE LINE, 10' DASH - 30' SKIP
- ④ THPL PAVT MK LINE 6", SKIP DASH WHITE LANE LINE, 2' DASH - 6' SKIP
- ⑤ THPL PAVT MK LINE 6", SOLID WHITE LINE
- ⑥ THPL PAVT MK LINE 8", SOLID WHITE LINE
- ⑦ THPL PAVT MK LINE 12", SOLID WHITE DIAGONAL, 45°
- ⑧ THPL PAVT MK, LETTERS AND SYMBOLS
- ⑨ LIMIT OF RESURFACING
- ⑩ THPL PAVT MK LINE 4", SKIP DASH WHITE LANE LINE, 2' DASH - 6' SKIP
- ⑪ THPL PAVT MK LINE 8", SKIP DASH WHITE LANE LINE, 3' DASH - 9' SKIP
- ⑫ THPL PAVT MK LINE 6", SKIP DASH WHITE LANE LINE, 3' DASH - 9' SKIP

**PROJECT ENDS
STA. 151 + 60**



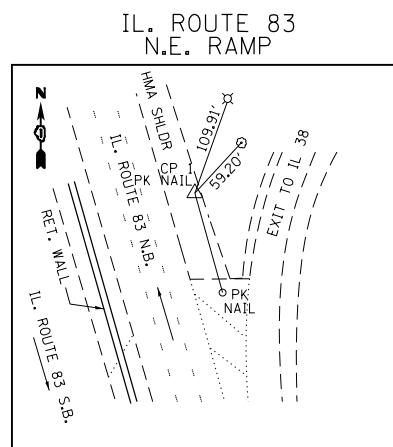
PROP. HMA SURFACE REMOVAL, 2 1/2" (MAINLINE AND SHOULDERS)
 PROP. POLYMERIZED HMA SURFACE COURSE, SMA, N80, 9.5, 1 3/4" (MAINLINE)
 PROP. HMA SURFACE COURSE, MIX "D", N70, 1 3/4" (SHOULDERS)
 PROP. POLY. LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
 PROPOSED CLASS A PATCHES, 9"

FILE NAME = c:\pw_work\pwwdot\joseph\d0494891\0143	USER NAME = Josephm 16-sht-plan.dgn	DESIGNED - DRAWN -	REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY PLAN			F.A.P. RTE. 347	SECTION (CY,C&JRS-6)	COUNTY DUPAGE	TOTAL SHEETS 36	SHEET NO. 15
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		SCALE: 1" = 50'	SHEET	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 62016	
	PLOT DATE = 5/2/2018	DATE -	REVISED -								ILLINOIS FED. AID PROJECT	

RAMP D	PC CURVE 1	N 1892344.3817	E 1086318.2760	STA. 5+35.42
	PI CURVE 1	N 1892433.7995	E 1086290.8942	STA. 6+28.94
	PT CURVE 1	N 1892527.2799	E 1086288.3008	STA. 7+21.32
	PC CURVE 2	N 1892527.2799	E 1086288.3008	STA. 7+21.32
	PI CURVE 2	N 1892567.9199	E 1086287.1733	STA. 7+61.98
	PT CURVE 2	N 1892606.4838	E 1086300.0462	STA. 8+01.80
	PC CURVE 3	N 1892606.4838	E 1086300.0462	STA. 8+01.80
	PI CURVE 3	N 1892785.8802	E 1086359.9300	STA. 9+90.93
	PT CURVE 3	N 1892686.7173	E 1086520.9762	STA. 10+71.88
	PC CURVE 4	N 1892686.7173	E 1086520.9762	STA. 10+71.88
	PI CURVE 4	N 1892288.1619	E 1087168.2530	STA. 18+32.02
	PT CURVE 4	N 1892261.0139	E 1086408.5973	STA. 16+59.29
	STATION EQUATION: STA 16+59.29 (BK) = STA 0+00 (AH)			
	PC CURVE 4	N 1892261.0139	E 1086408.5973	STA. 0+00
	PI CURVE 4	N 1892254.4587	E 1086225.1703	STA. 1+83.54
	PT CURVE 4	N 1892242.3227	E 1086042.0277	STA. 3+67.06

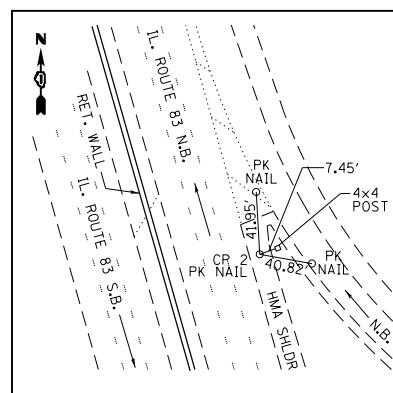
CONTROL POINT 2
SET PK NAIL
IN SHOULDER

PROP. CURVE RAMPD_1 PI STA. = 6+28.94 $\Delta = 15^\circ 26' 12''$ (RT) D = 8' 18' 13" R = 690.00' T = 93.52' L = 185.90' E = 6.31' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA. = 5+35.42 P.T. STA. = 7+21.32	PROP. CURVE RAMPD_2 PI STA. = 7+61.98 $\Delta = 20^\circ 02' 55''$ (RT) D = 24' 54' 40" R = 230.00' T = 40.66' L = 80.48' E = 3.57' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA. = 7+21.32 P.T. STA. = 8+01.80	PROP. CURVE RAMPD_3 PI STA. = 9+90.93 $\Delta = 103^\circ 09' 47''$ (RT) D = 38' 11' 50" R = 150.00' T = 189.13' L = 270.08' E = 91.39' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA. = 8+01.80 P.T. STA. = 10+71.88	PROP. CURVE RAMPD_4 PI STA. = 18+32.02 $\Delta = 146^\circ 19' 51''$ (RT) D = 24' 54' 40" R = 230.00' T = 760.14' L = 587.41' E = 564.17' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA. = 10+71.88 P.T. STA. = 16+59.29	PROP. CURVE RAMPD_5 PI STA. = 1+83.54 $\Delta = 1^\circ 44' 40''$ (LT) D = 0' 28' 31" R = 12,055.77' T = 183.54' L = 367.06' E = 1.40' e = _____ T.R. = _____ S.E. RUN = _____ P.C. STA. = 0+00.00 P.T. STA. = 3+67.06
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CP #1

SET PK NAIL
IN SHOULDER
STA. 7+86.69, 52.13' LT
N 1892605.228
E 1086245.316
ELEV = 678.81

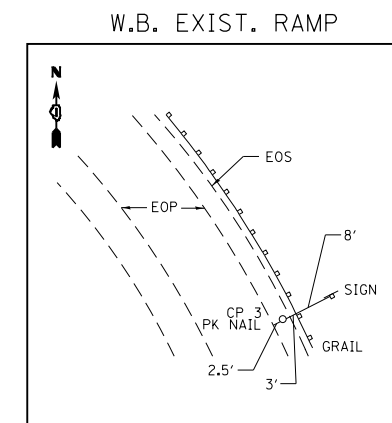


CP #2

PK NAIL IN SHOULDER

CONTROL POINT 1
SET PK NAIL
IN SHOULDER
STA. = 7+86.69
OFF. = 52.13 LT
N = 1892605.228
E = 1086245.316
ELEV. = 678.81

CONTROL POINT 3
SET PK NAIL IN SHOULDER
STA. = 11+78.10
OFF. = 17.63 LT
N = 1892621.788
E = 1086610.575
ELEV. = 664.32

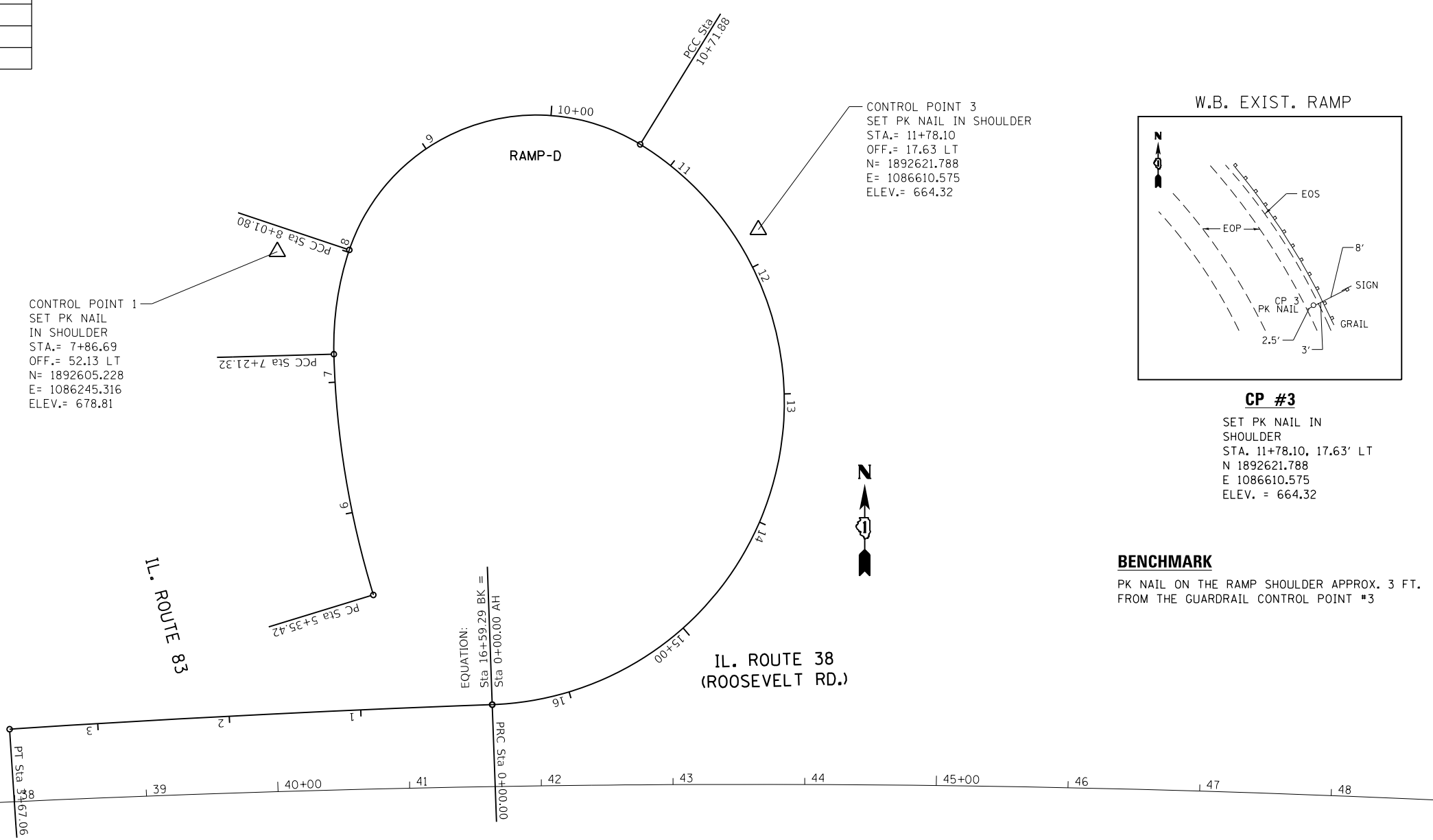


CP #3

SET PK NAIL IN
SHOULDER
STA. 11+78.10, 17.63' LT
N 1892621.788
E 1086610.575
ELEV. = 664.32

BENCHMARK

PK NAIL ON THE RAMP SHOULDER APPROX. 3 FT.
FROM THE GUARDRAIL CONTROL POINT #3



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PROJECT: 62D16 - ILLINOIS DEPARTMENT OF TRANSPORTATION
DRAWN: JSEPHM
CHECKED: JSEPHM
DATE: 3/23/2018

USER NAME = Josephm	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	DRAWN -	REVISED -
PLOT DATE = 3/23/2018	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT, TIES & BENCHMARKS PLAN
IL. ROUTE 38 AT IL. ROUTE 83 - RAMP D**

SCALE: 1"=50' SHEET OF SHEETS STA. TO STA.

F.A.P. RTE. 347	SECTION (CY,CG)RS-6	COUNTY DUPAGE	TOTAL SHEETS 36	SHEET NO. 16
CONTRACT NO. 62D16				
ILLINOIS FED. AID PROJECT				



IL. ROUTE 83

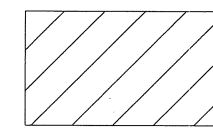
RAMP-C

RAMP-D

10+00

+10

+95



PROP. PAVEMENT REMOVAL

PROP. PAVED SHOULDER REMOVAL

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING ROADWAY PLAN
IL. ROUTE 38 AT IL. ROUTE 83 - RAMP D

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY,C&J)RS-6	DUPAGE	36	17
CONTRACT NO. 62D16				
ILLINOIS FED. AID PROJECT				

SCALE: SHEET OF SHEETS STA. TO STA.

USER NAME = Josephm	DESIGNED -	REVISED -
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PLOT DATE = 4/30/2018	CHECKED -	REVISED -
	DATE -	REVISED -

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IL. ROUTE 83

RAMP-C

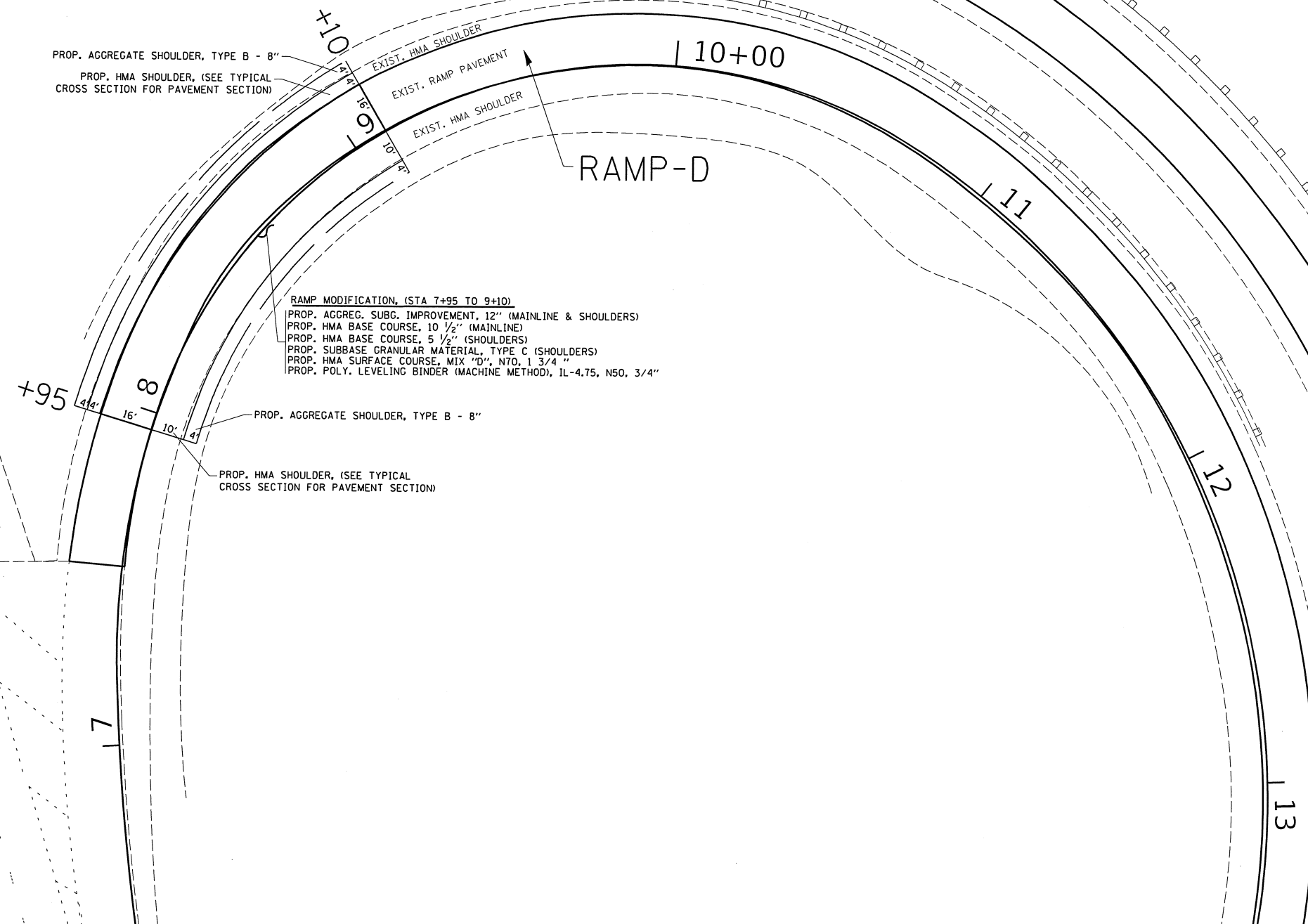
RAMP-D

PROP. AGGREGATE SHOULDER, TYPE B - 8"
PROP. HMA SHOULDER, (SEE TYPICAL CROSS SECTION FOR PAVEMENT SECTION)

EXIST. HMA SHOULDER
EXIST. RAMP PAVEMENT
EXIST. HMA SHOULDER

RAMP MODIFICATION, (STA 7+95 TO 9+10)
PROP. AGGREG. SUBG. IMPROVEMENT, 12" (MAINLINE & SHOULDERS)
PROP. HMA BASE COURSE, 10 1/2" (MAINLINE)
PROP. HMA BASE COURSE, 5 1/2" (SHOULDERS)
PROP. SUBBASE GRANULAR MATERIAL, TYPE C (SHOULDERS)
PROP. HMA SURFACE COURSE, MIX "D", N70, 1 3/4"
PROP. POLY. LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"

PROP. AGGREGATE SHOULDER, TYPE B - 8"
PROP. HMA SHOULDER, (SEE TYPICAL CROSS SECTION FOR PAVEMENT SECTION)



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PLOT DATE = 5/2/2018	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED ROADWAY PLAN
IL. ROUTE 38 AT IL. ROUTE 83 - RAMP D

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY,C&J)R5-6	DUPAGE	36	18
CONTRACT NO. 62D16			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK NO.	ALIGNMENT CHECKED		
	STRUCTURE NOTATION		
	CADD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
NOTE BOOK NO.	GRADES CHECKED		
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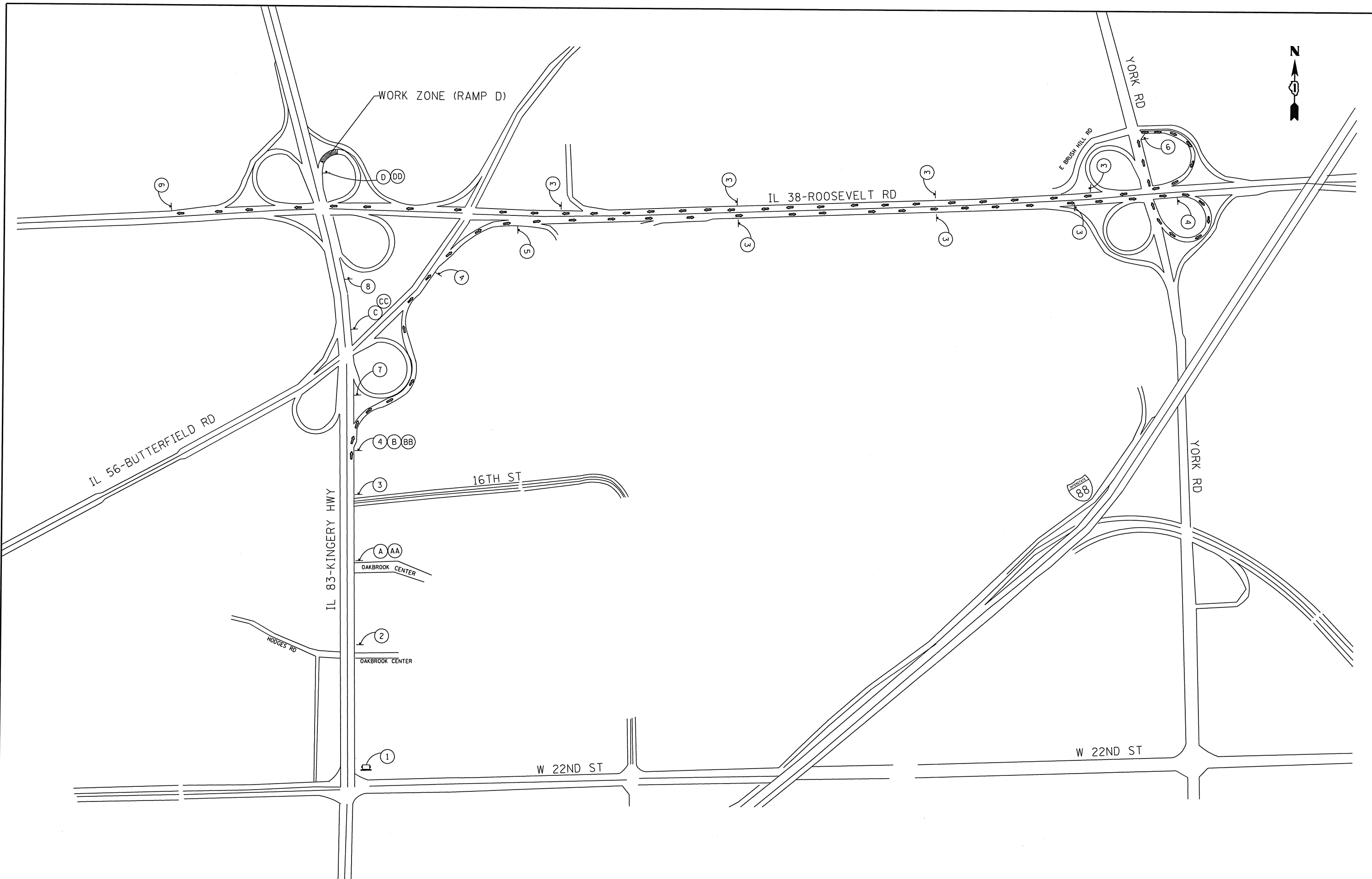


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PLOT DATE = 3/23/2018	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ROADWAY PROFILE			
IL. ROUTE 38 AT IL. ROUTE 83 - RAMP D			
SCALE: 1"=50'	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY,C&J)RS-6	DUPAGE	36	19
CONTRACT NO. 62D16				
ILLINOIS FED. AID PROJECT				



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	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETOUR SIGNING PLAN			
IL ROUTE 38 AT IL ROUTE 83 - RAMP D			
SCALE:	SHEET	OF	SHEETS
	STA.		TO STA.

F.A.P. RTE. 347	SECTION (CY,C&J)RS-6	COUNTY DUPAGE	TOTAL SHEETS 36	SHEET NO. 20
CONTRACT NO. 62D16				
ILLINOIS FED. AID PROJECT				

LEGEND

- ➔ DETOUR ROUTE
- ▨ WORK ZONE
- † SIGN
- ▭ CHANGEABLE MESSAGE SIGN
- AMBER FLASHING LIGHT

NOTES

THE COST OF SUPPLYING, ERECTING AND MAINTAINING BARRICADES, WARNING LIGHTS AND ALL SIGNS (INCLUDING DETOUR SIGNS) SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (ARTERIALS) INCLUDING THOSE SIGNS MENTIONED ON THE "ENTRANCE AND EXIT RAMP CLOSURE DETAILS (TC-08)"

①

CHANGEABLE MESSAGE SIGN

②

W20-2-4848

③

DETOUR	M4-8-3015
WEST	M3-4-3015
ILLINOIS 38	M1-40-4536
↑	M6-3-3018

④

DETOUR	M4-8-3015
WEST	M3-4-3015
ILLINOIS 38	M1-40-4536
↗	M6-2R-3018

⑤

DETOUR	M4-8-3015
WEST	M3-4-3015
ILLINOIS 38	M1-40-4536
↖	M6-2L-3018

⑥

DETOUR	M4-8-3015
WEST	M3-4-3015
ILLINOIS 38	M1-40-4536
→	M6-1R-2115

⑦

W20-1103(0)-4848

⑧

W41-2(0)-4848

⑨

M4-8A-2418

EXISTING OVERHEAD SIGNING – NB IL 83

A

ILLINOIS 56 EAST	ILLINOIS 38 EAST
Butterfield Rd	
Roosevelt Rd	
EXIT ¼ MILE	

C

ILLINOIS 38 WEST
Roosevelt Rd
EXIT ¼ MILE

B

ILLINOIS 56 EAST	ILLINOIS 38 EAST
Butterfield Rd	
Roosevelt Rd	
↗	

D

ILLINOIS 38 WEST
Roosevelt Rd
↗

PROP. TEMPORARY OVERHEAD SIGNING – NB IL 83

AA

ILLINOIS 56 EAST	ILLINOIS 38 EAST WEST
Butterfield Rd	
Roosevelt Rd	
EXIT ¼ MILE	

CC

ILLINOIS 38 WEST
CLOSED
Roosevelt Rd
EXIT ¼ MILE

BB

ILLINOIS 56 EAST	ILLINOIS 38 EAST WEST
Butterfield Rd	
Roosevelt Rd	
↗	

DD

ILLINOIS 38 WEST
CLOSED
Roosevelt Rd
↗

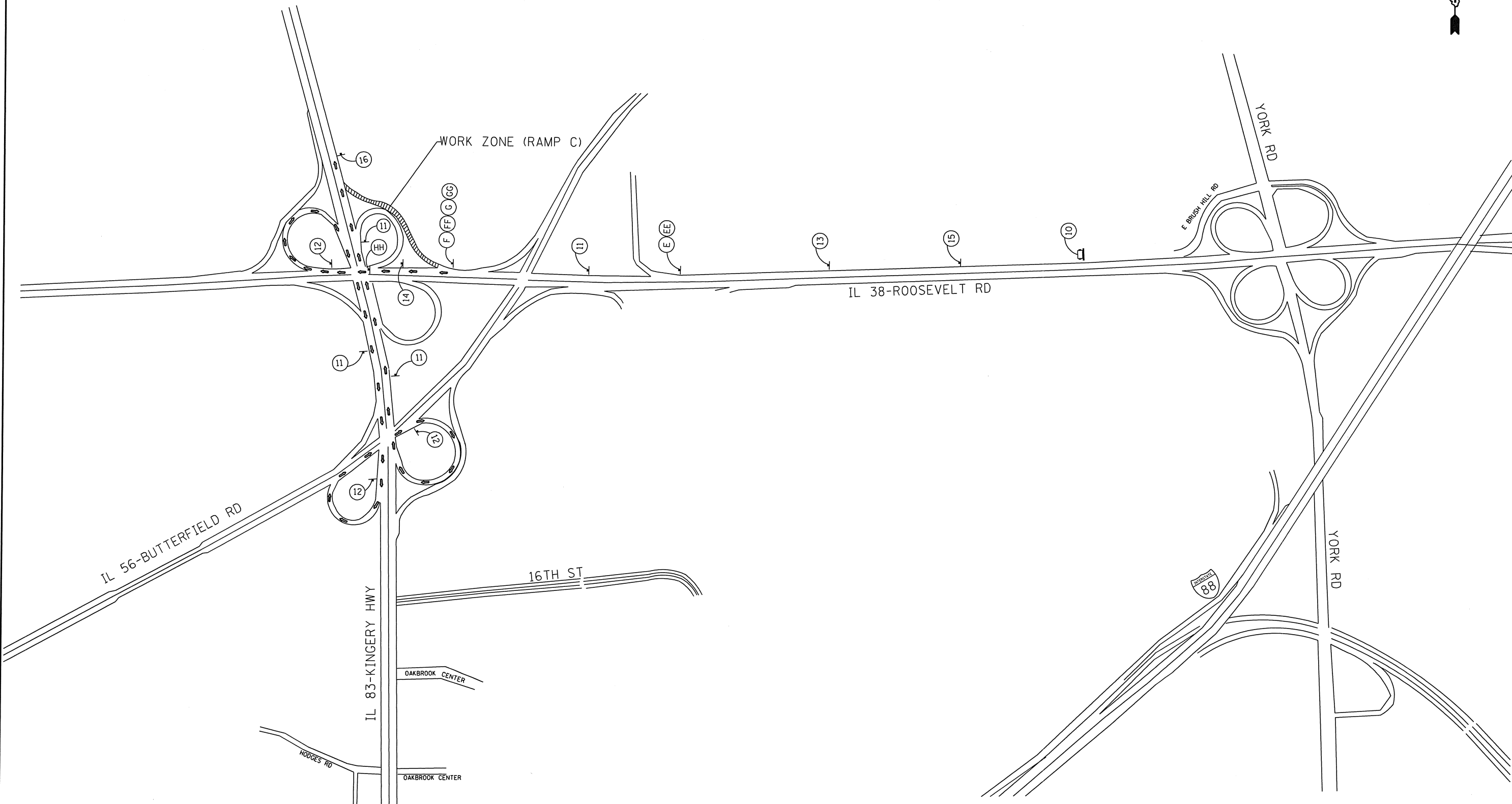
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETOUR SIGNING PLAN
IL ROUTE 38 AT IL ROUTE 83 – RAMP D**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY,C&J)RS-6	DUPAGE	36	20A
CONTRACT NO. 62D16				

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




STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETOUR SIGNING PLAN
IL ROUTE 38 AT IL ROUTE 83 - RAMP C

SCALE: SHEET OF SHEETS STA. TO STA.

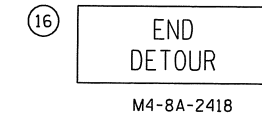
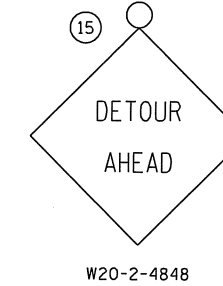
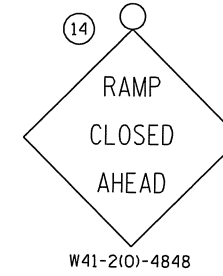
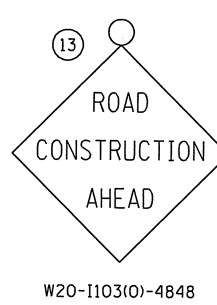
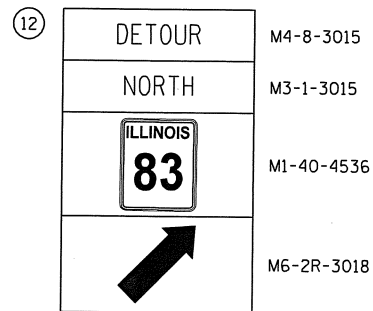
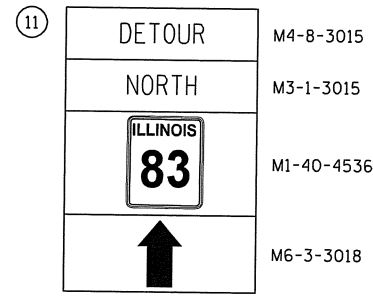
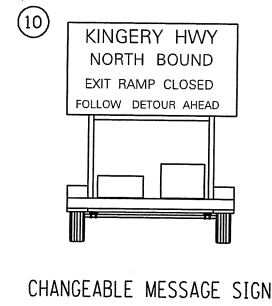
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CONTRACT NO. 62D16				
ILLINOIS FED. AID PROJECT				

LEGEND

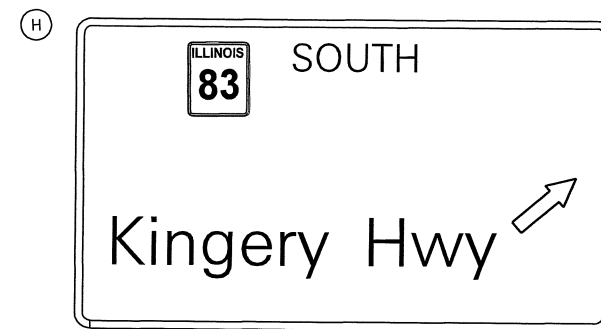
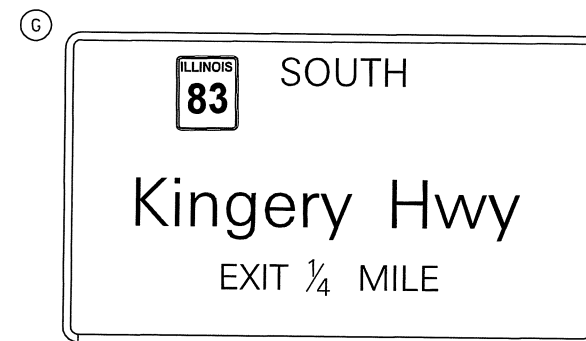
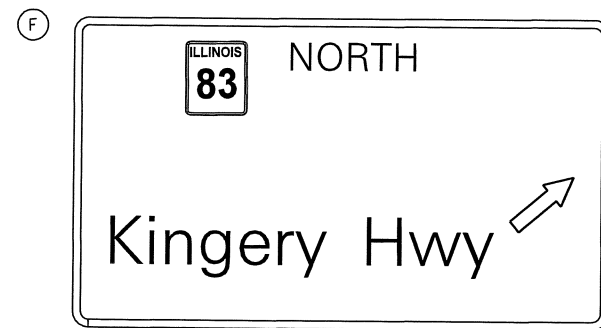
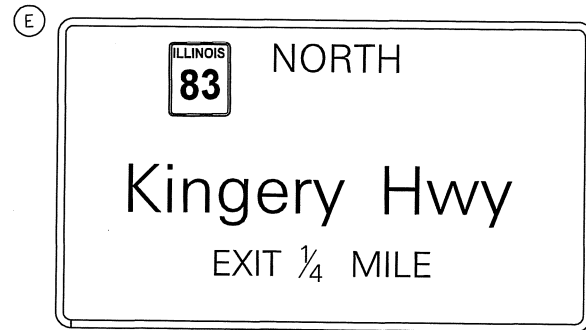
-  DETOUR ROUTE
-  WORK ZONE
-  SIGN
-  CHANGEABLE MESSAGE SIGN
-  AMBER FLASHING LIGHT

NOTES

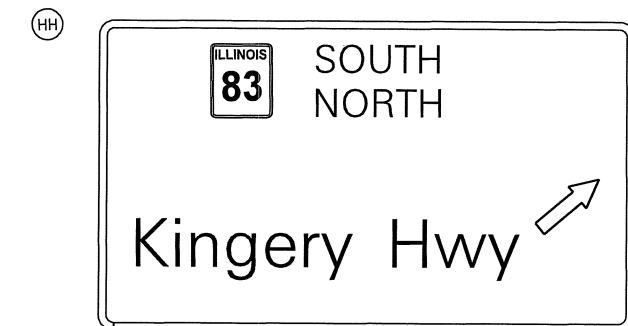
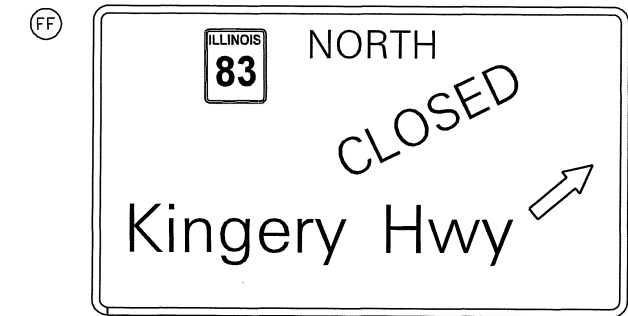
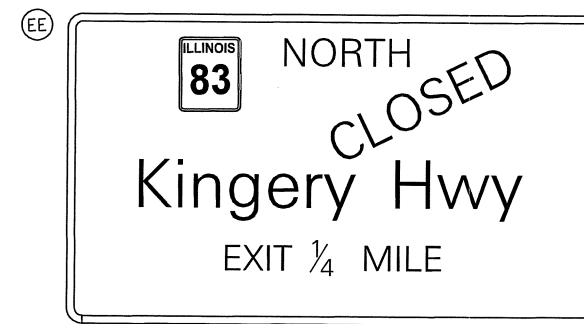
THE COST OF SUPPLYING, ERECTING AND MAINTAINING BARRICADES, WARNING LIGHTS AND ALL SIGNS (INCLUDING DETOUR SIGNS) SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION (ARTERIALS) INCLUDING THOSE SIGNS MENTIONED ON THE "ENTRANCE AND EXIT RAMP CLOSURE DETAILS (TC-08)"



EXISTING OVERHEAD SIGNING – WB IL 38



PROP. TEMPORARY OVERHEAD SIGNING – WB IL 38



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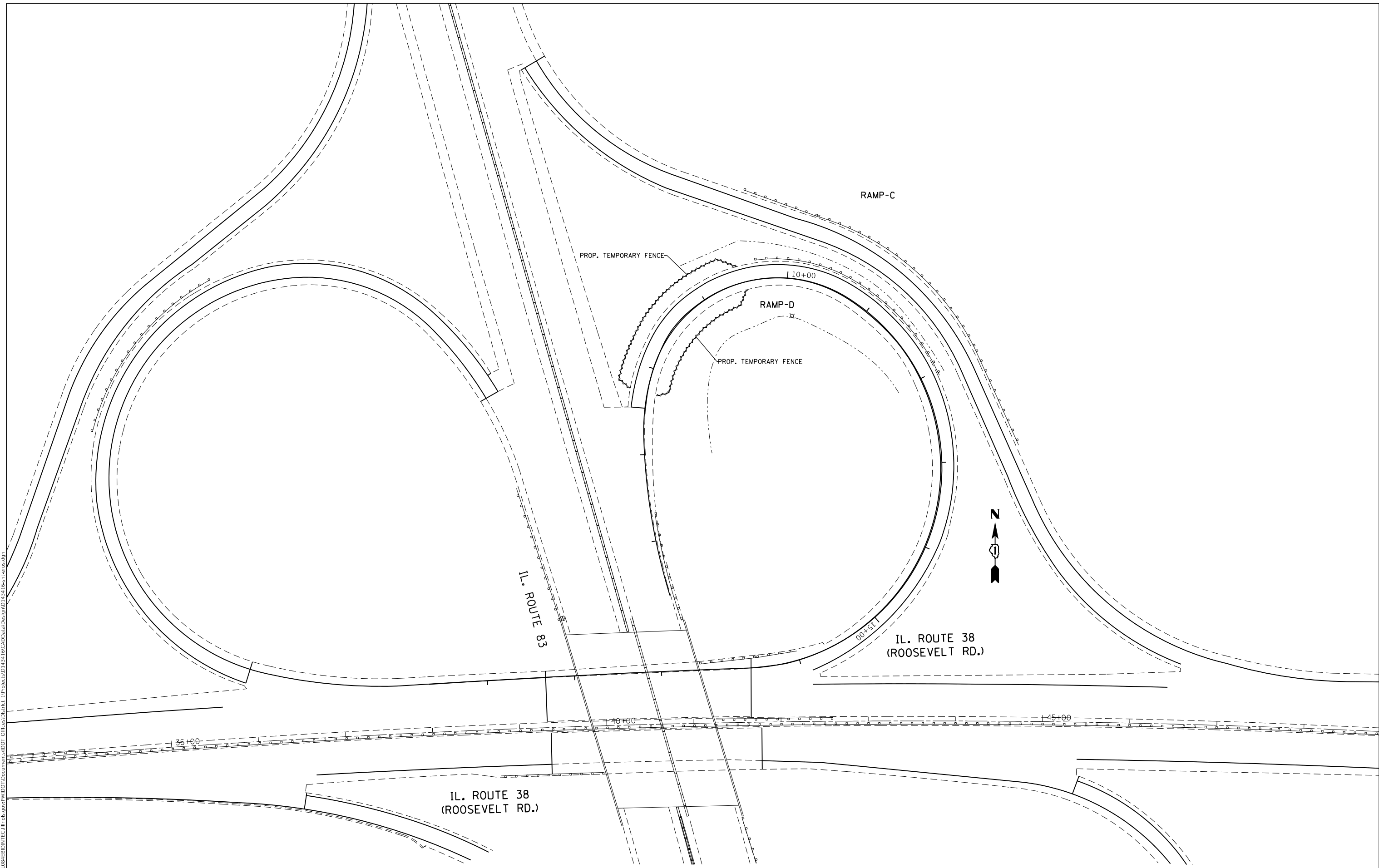
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PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 4/30/2018	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETOUR SIGNING PLAN
IL ROUTE 38 AT IL ROUTE 83 – RAMP C

F.A.P. RTE. 347	SECTION (CY,C&J)RS-6	COUNTY DUPAGE	TOTAL SHEETS 36	SHEET NO. 20C
SCALE: SHEET OF SHEETS STA. TO STA.			CONTRACT NO. 62D16	
ILLINOIS FED. AID PROJECT				

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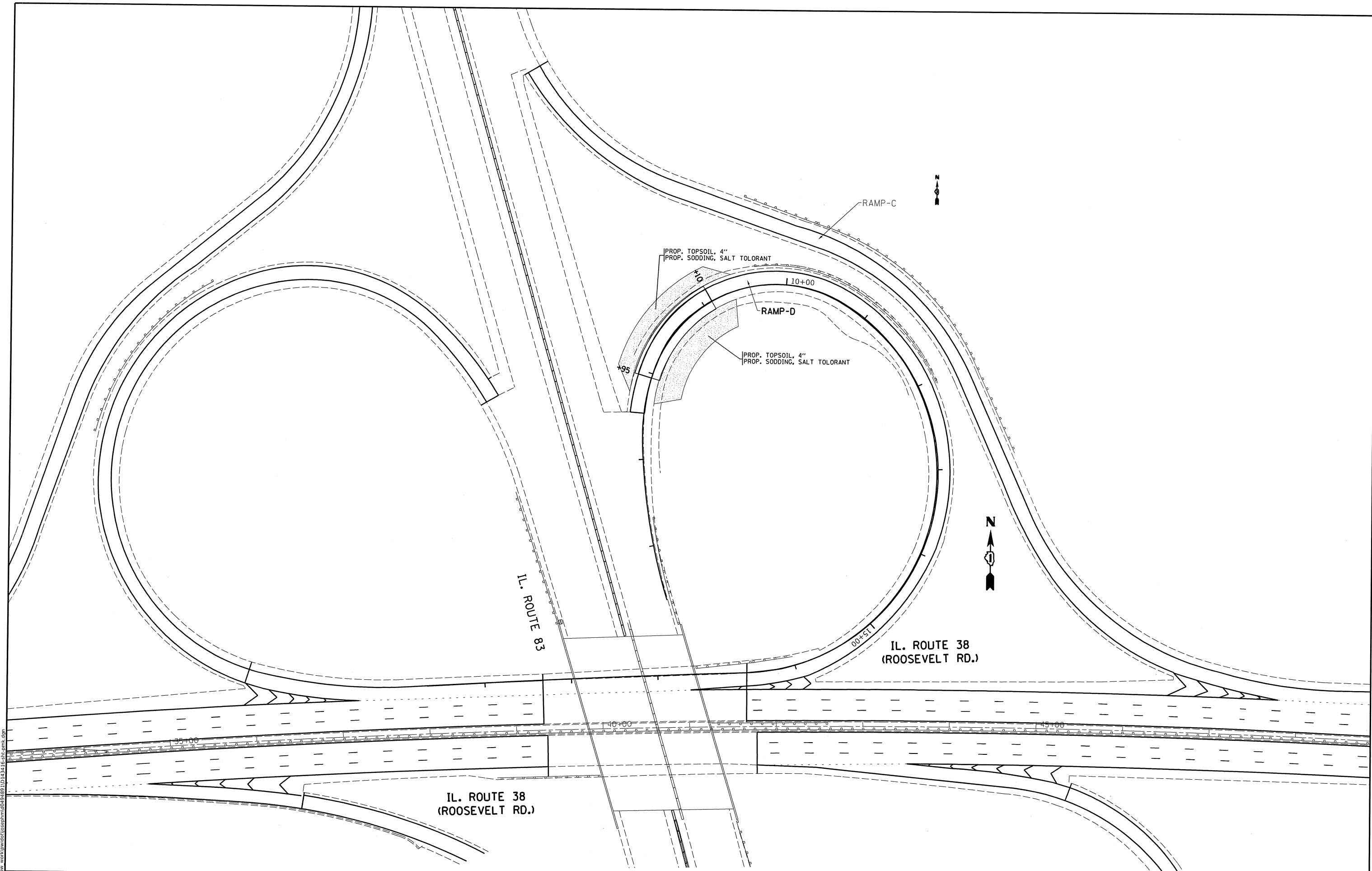
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PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 3/23/2018	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**EROSION & SEDIMENT CONTROL PLAN
 IL. ROUTE 38 AT IL. ROUTE 83 - RAMP D**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY,C&J)RS-6	DUPAGE	36	21
CONTRACT NO. 62D16				
		ILLINOIS	FED. AID PROJECT	

SCALE: SHEET OF SHEETS STA. TO STA.



MODEL: Default
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USER NAME = Josephm	DESIGNED -	REVISED -
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 5/2/2018	CHECKED -	REVISED -
	DATE -	REVISED -

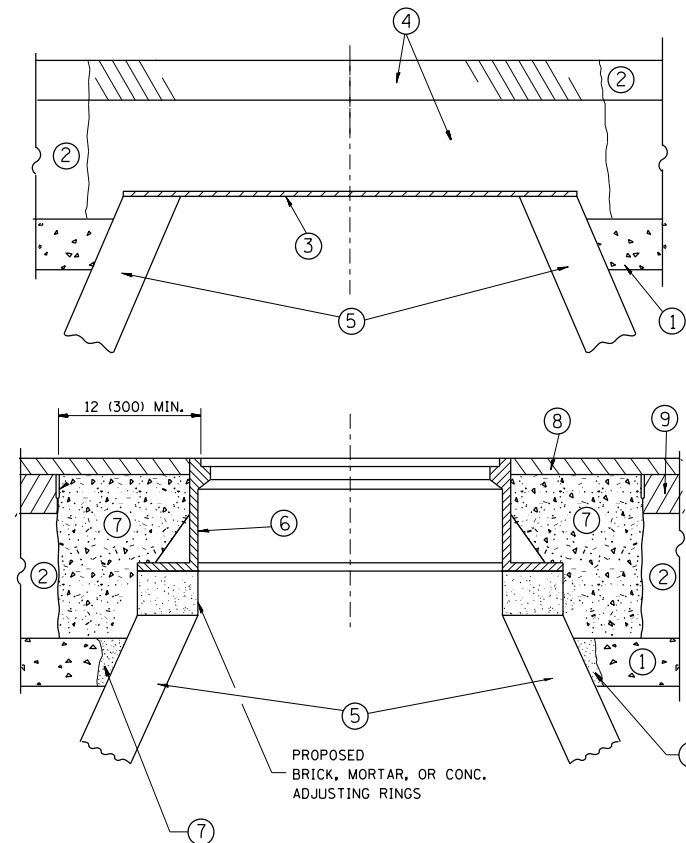
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LANDSCAPING PLAN
IL. ROUTE 38 AT IL. ROUTE 83 - RAMP D

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY,C&J)RS-6	DUPAGE	36	22
CONTRACT NO. 62D16				

SCALE: SHEET OF SHEETS STA. TO STA.

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

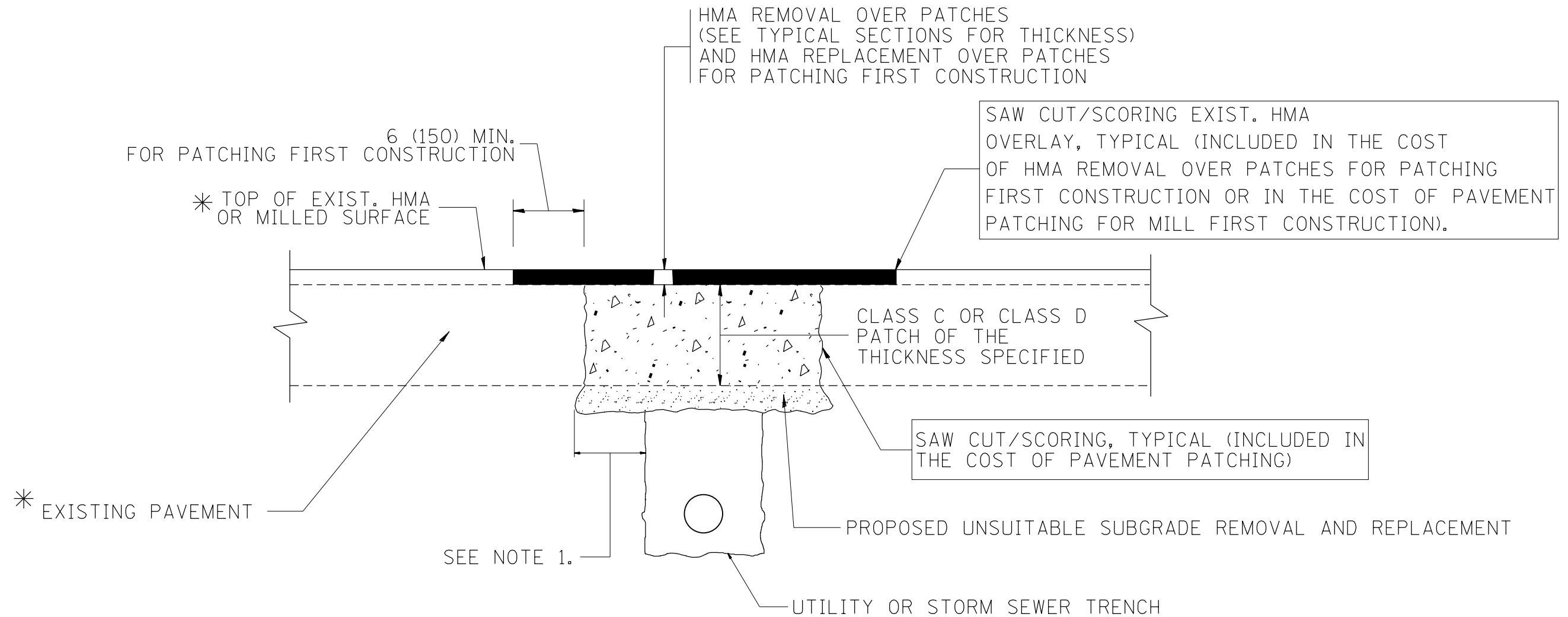
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME =	USER NAME = Josephm	DESIGNED - R. SHAH	REVISED - R. WIEDEMAN 05-14-04
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		CHECKED -	REVISED - R. BORO 03-09-11
PLOT SCALE = 100.0000' / in.		DATE - 10-25-94	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.
347	(CY,C&J)RS-6	DUPAGE	36	23
BD600-03 (BD-8)		CONTRACT NO. 62D16		
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)

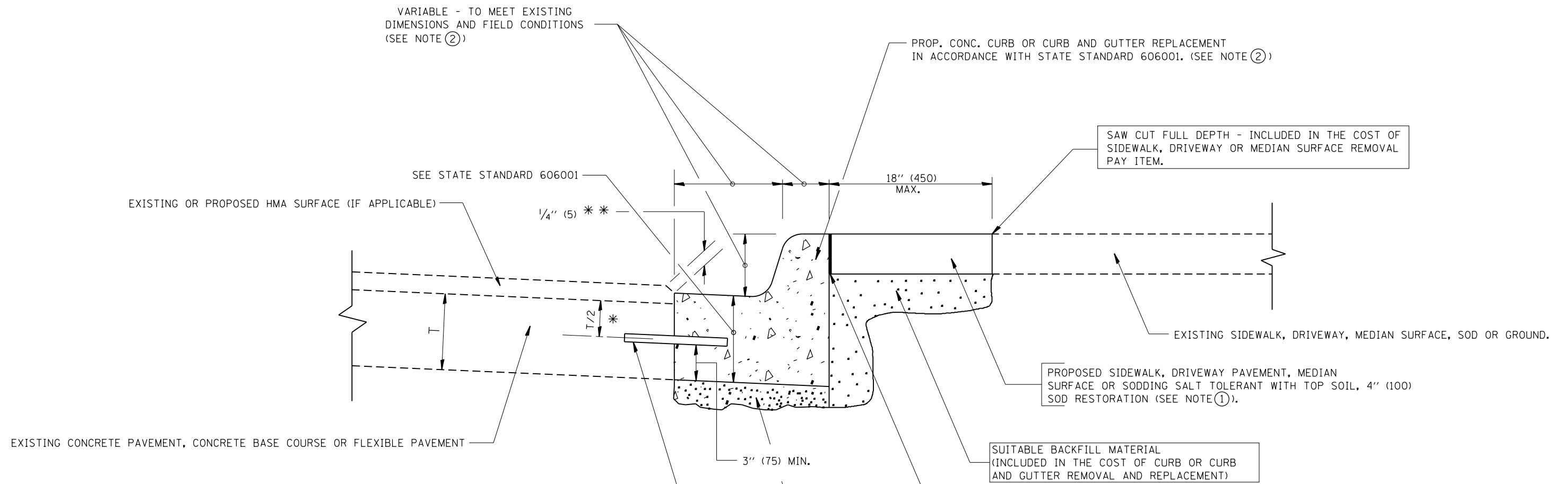
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

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 = Josephm	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\11084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 1\Projects\1434\BROWNS\Design\Diststd.dgn		REVISED - R. BORO 01-01-07	REVISED - R. BORO 09-04-07					347	(CY,C&J)RS-6	DUPAGE	36	24
PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - R. BORO 09-04-07	REVISED - K. ENG 10-27-08		SCALE: NONE	SHEET NO. 1	OF 1 SHEETS	STA.	TO STA.	BD400-04 (BD-22) CONTRACT NO. 62D16		
PLOT DATE = 3/23/2018	DATE - 10-25-94	REVISED - K. ENG 10-27-08			<small>FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT</small>							



* 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.

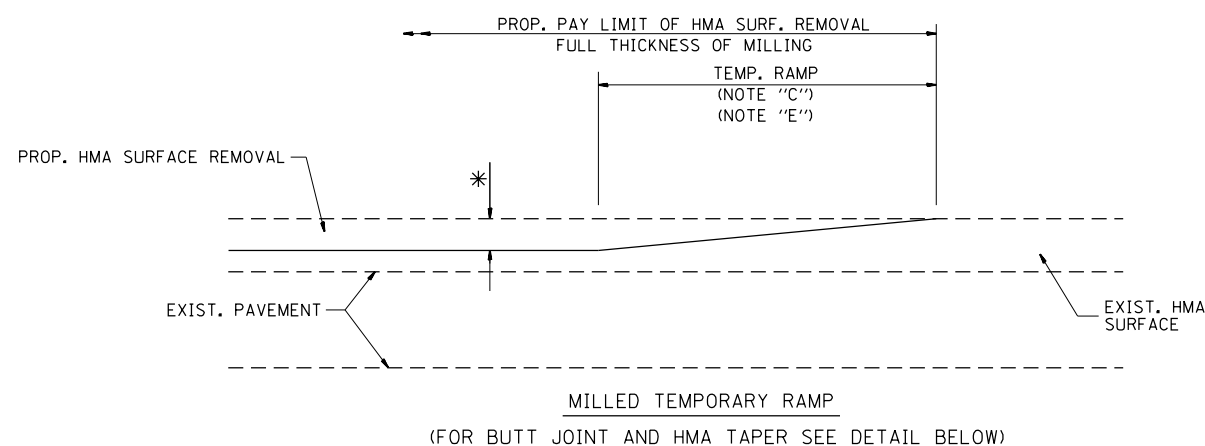
PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

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

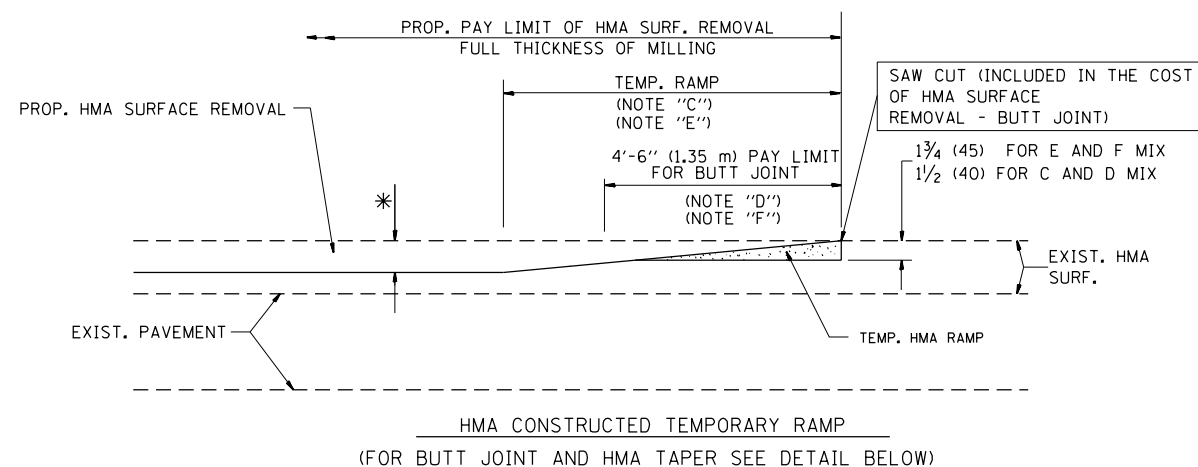
CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

FILE NAME =	USER NAME = Josephm	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			347	(CY,C&J)RS-6	DUPAGE	36	25	
			REVISED - M. GOMEZ 01-22-01			BD600-06 (BD-24)		CONTRACT NO. 62D16			
			REVISED - R. BORO 12-15-09			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					
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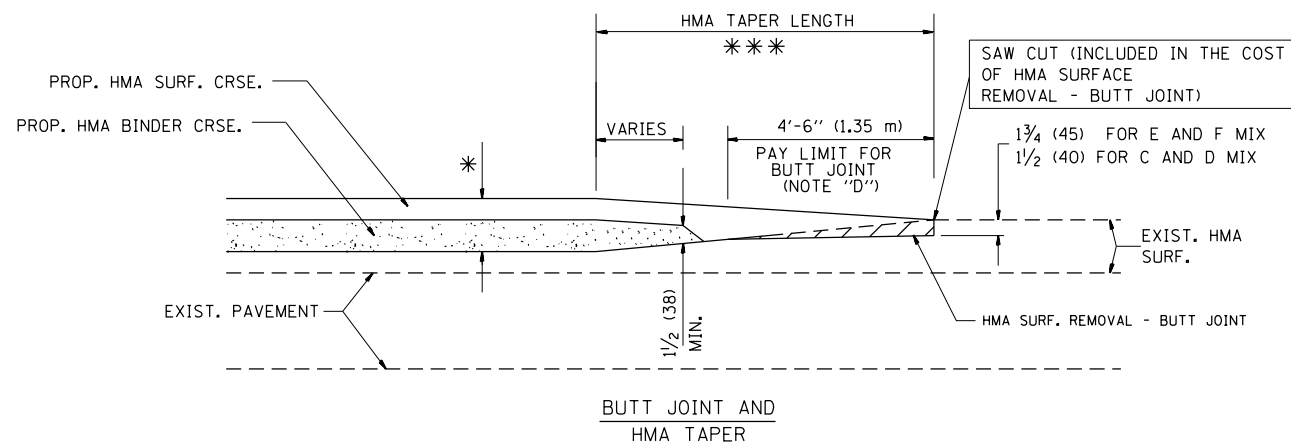


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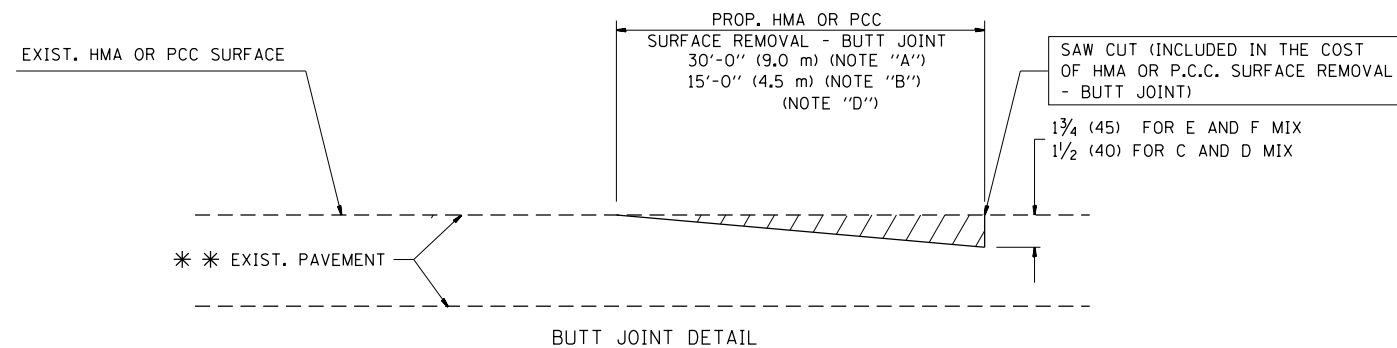


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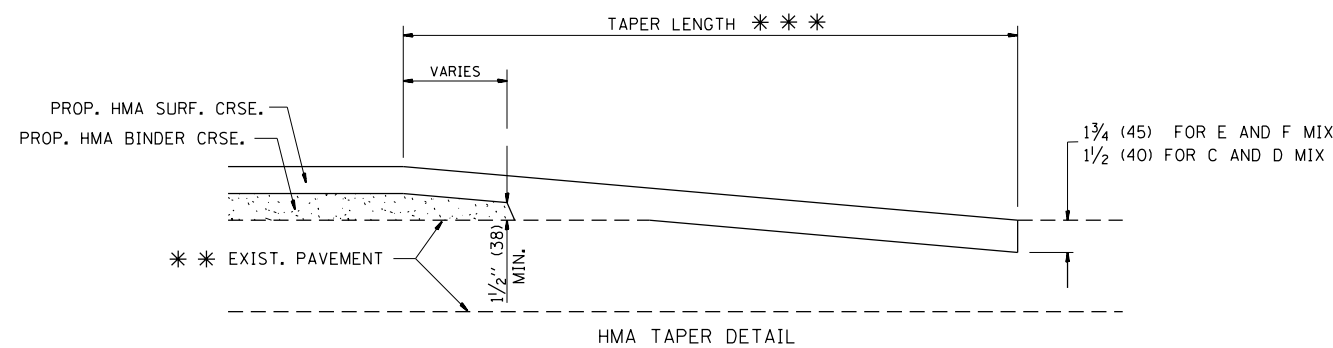
TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



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.

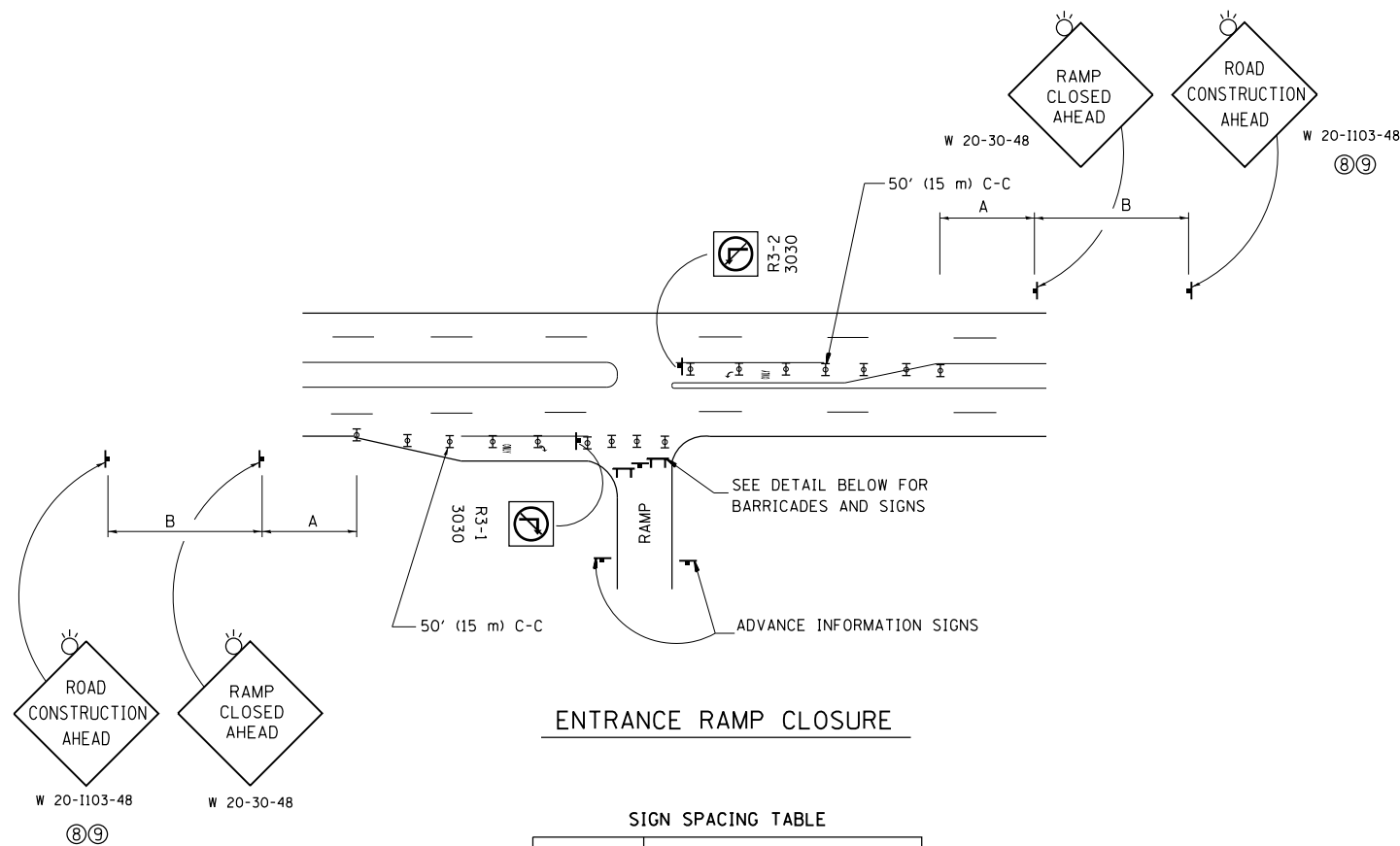
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	PLOT DATE = 3/23/2018	DATE - 06-13-90	REVISED - R. BORO 01-01-07

**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.
347	(CY,C&J)RS-6	DUPAGE	36	26
BD400-05 BD32		CONTRACT NO. 62D16		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

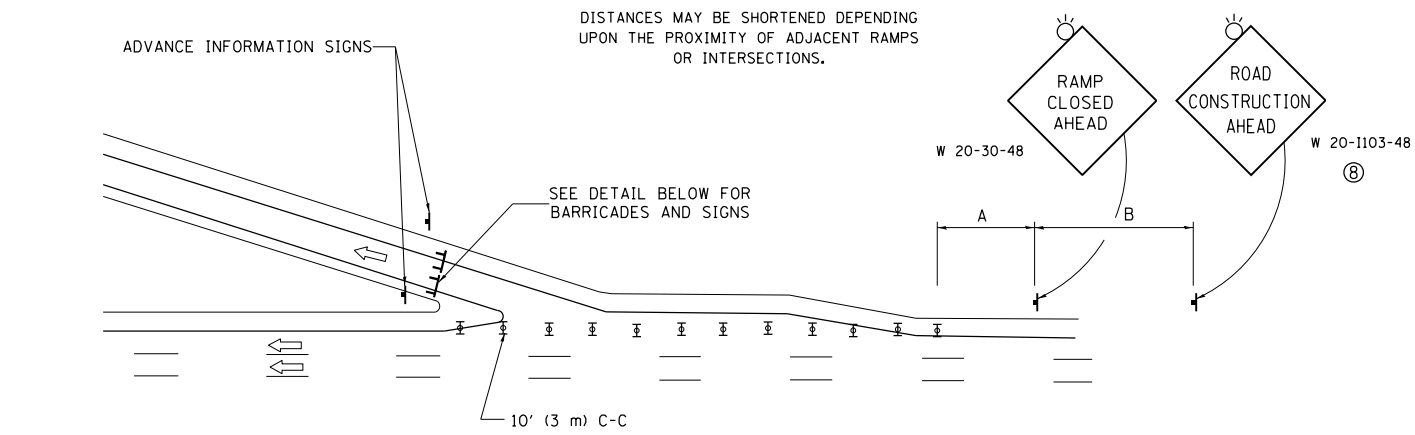


ENTRANCE RAMP CLOSURE

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)

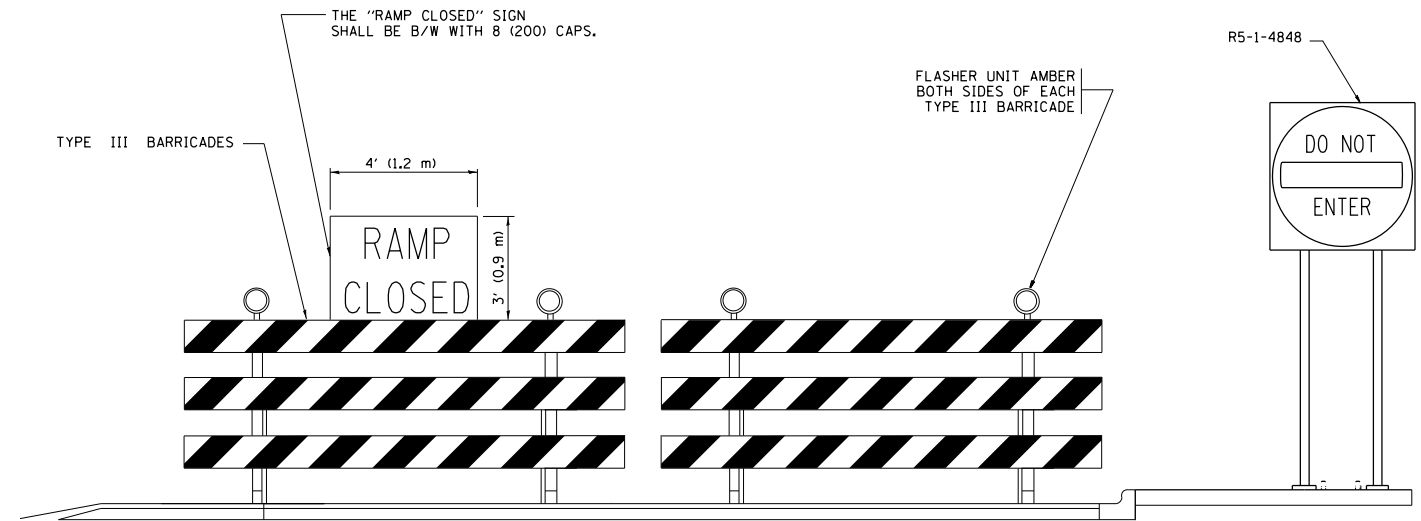
DISTANCES MAY BE SHORTENED DEPENDING UPON THE PROXIMITY OF ADJACENT RAMPS OR INTERSECTIONS.



EXIT RAMP CLOSURE

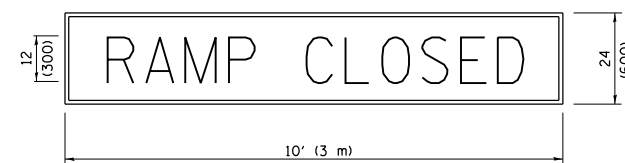
SYMBOLS

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



DETAIL FOR REQUIRED BARRICADES & SIGNS

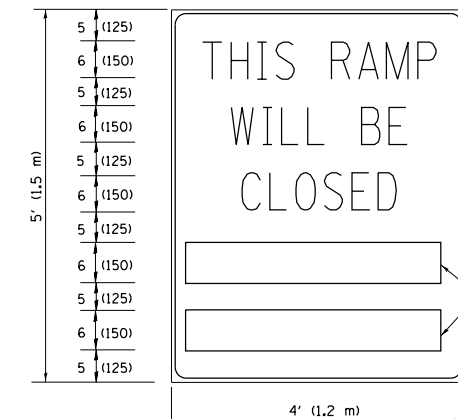
RAMP CLOSURE ADVANCE WARNING SIGN



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.

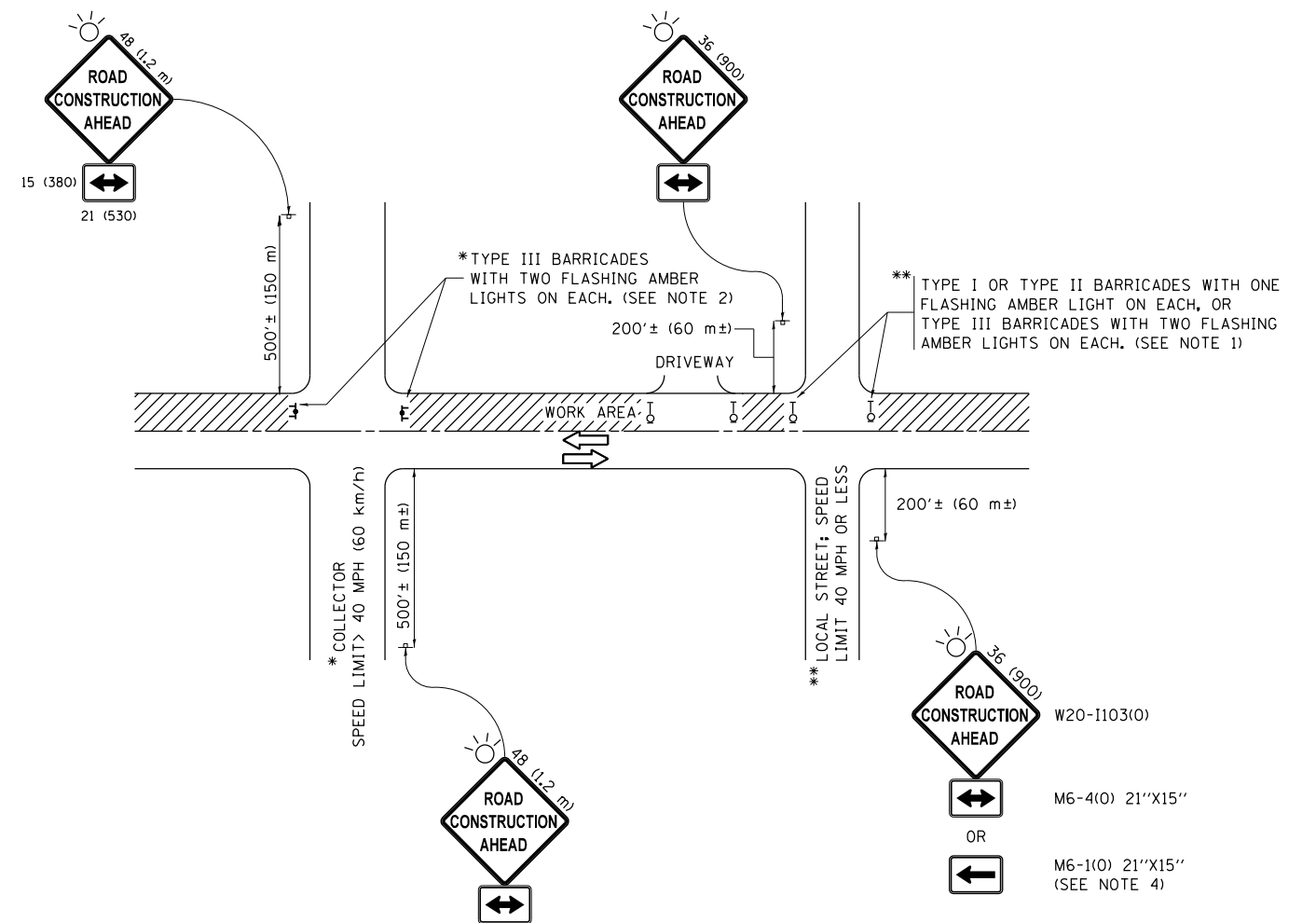
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	PLOT DATE = 3/23/2018	DATE - 02-83	REVISED - M.D. 01-18

**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.
347	(CY,C&J)R5-6	DUPAGE	36	27
TC-08		CONTRACT NO. 62D16		
ILLINOIS FED. AID PROJECT				



NOTES:

- SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE "ROAD CONSTRUCTION AHEAD" SIGN 36 x 36 (900x900) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
- SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - ONE "ROAD CONSTRUCTION AHEAD" SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
- 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.
- 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).
- 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.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAYS UNLESS OTHERWISE SPECIFIED IN THE PLANS OR BY THE ENGINEER.
- 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.

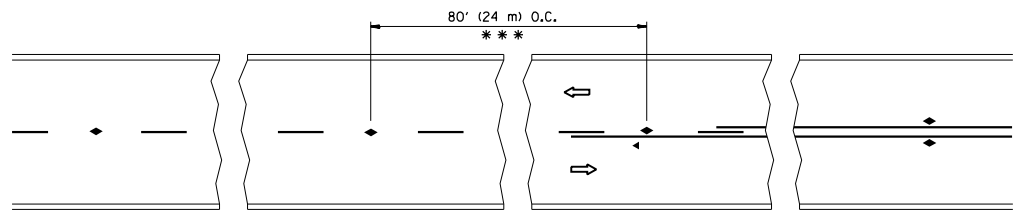
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Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED - A. SCHUETZE 07-01-13
	PLOT DATE = 3/23/2018	DATE - 06-89	REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

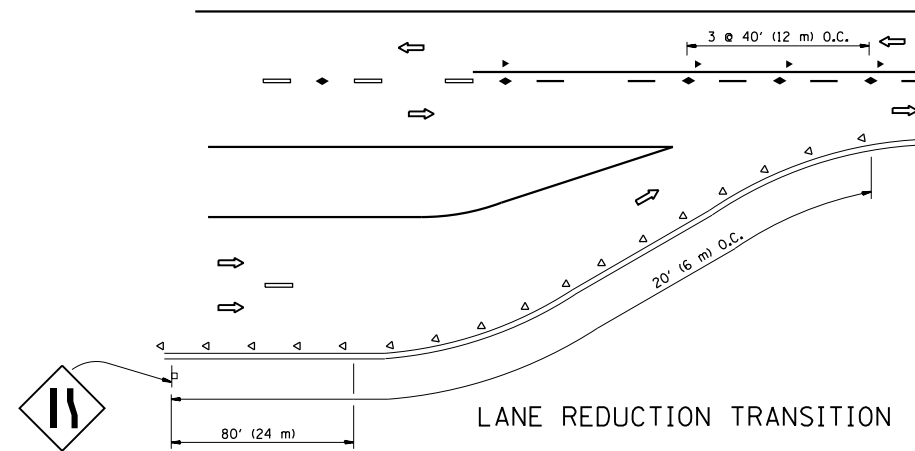
SCALE: NONE SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY,C&J)RS-6	DUPAGE	36	28
TC-10		CONTRACT NO. 62D16		
ILLINOIS FED. AID PROJECT				

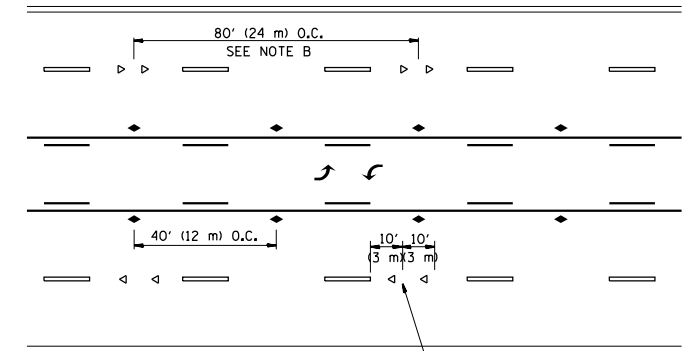


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

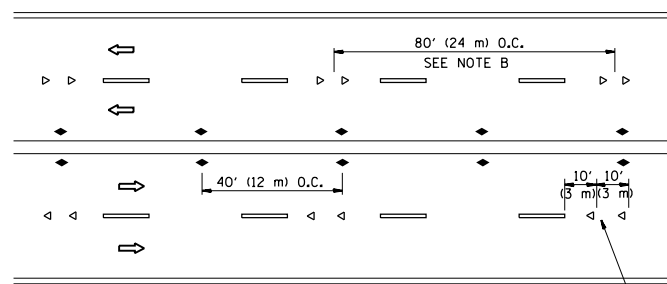
TWO-LANE/TWO-WAY



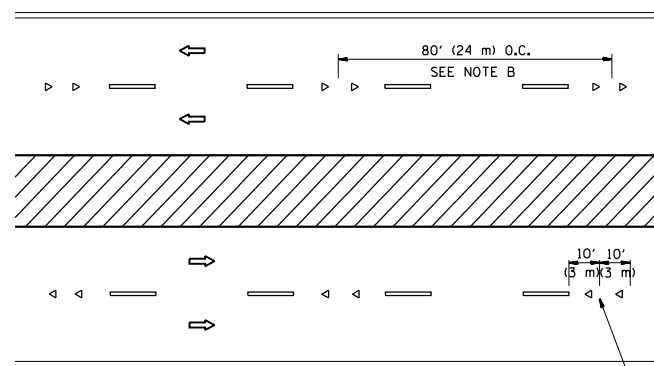
LANE REDUCTION TRANSITION



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

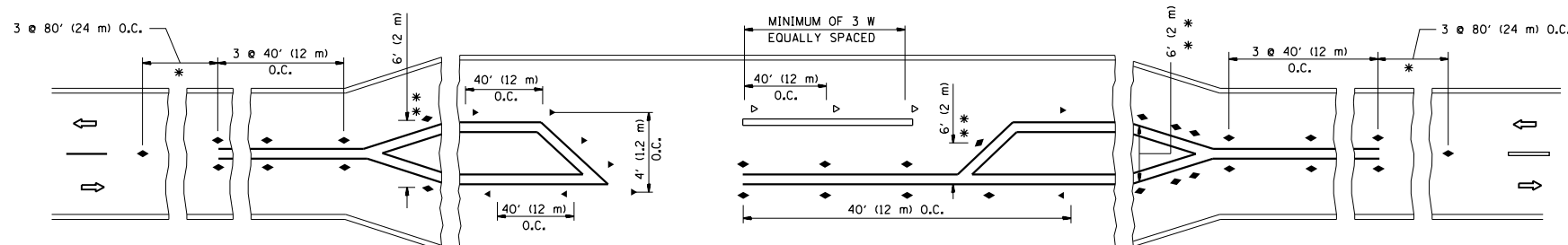
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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.

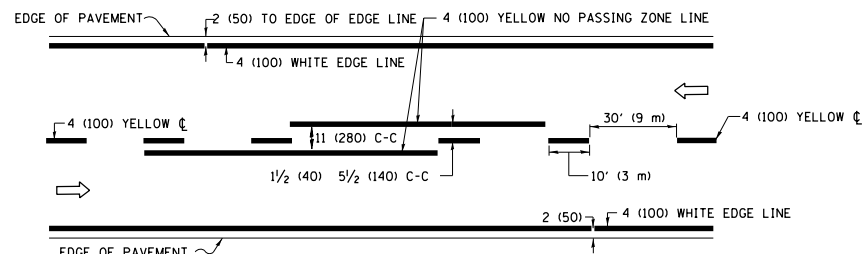
All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = Josephm	DESIGNED -	REVISED - T. RAMMACHER 09-19-94
pw:\IL\084EBIDINTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\01434\Drawings\Design\Diststd.dgn		CHECKED -	REVISED - T. RAMMACHER 03-12-99
		DATE -	REVISED - T. RAMMACHER 01-06-00
			REVISED - C. JUCIUS 09-09-09

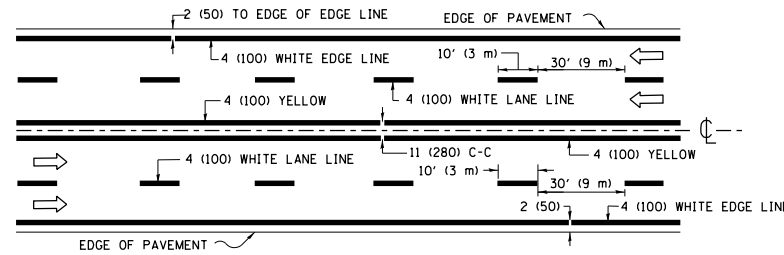
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS			
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

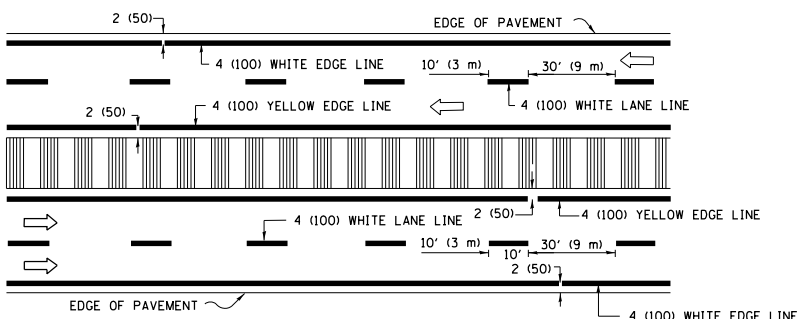
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY,C&J)RS-6	DUPAGE	36	29
TC-11		CONTRACT NO. 62D16		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY

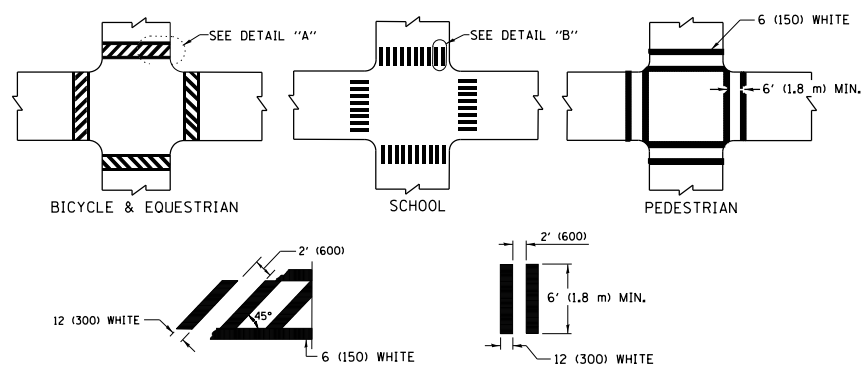


MULTI-LANE UNDIVIDED



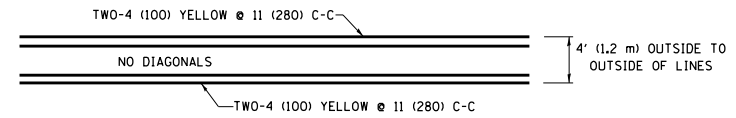
MULTI-LANE DIVIDED WITH MEDIAN

TYPICAL LANE AND EDGE LINE MARKING

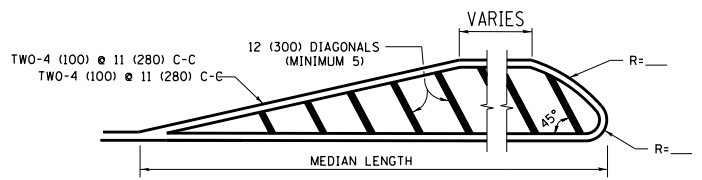


TYPICAL CROSSWALK MARKING

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

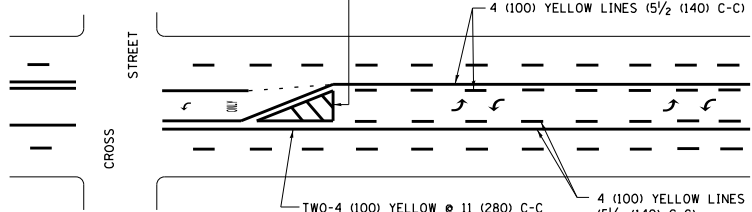


4' (1.2 m) WIDE MEDIANS ONLY



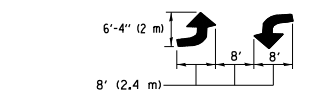
MEDIANS OVER 4' (1.2 m) WIDE

DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

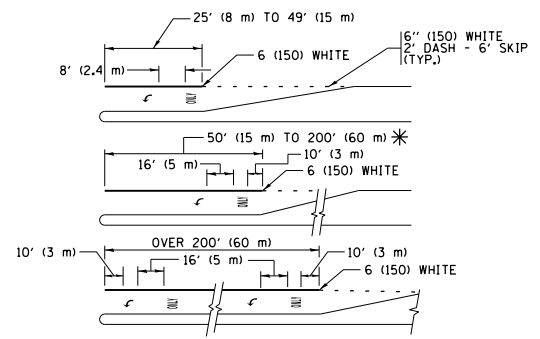


MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING

A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.

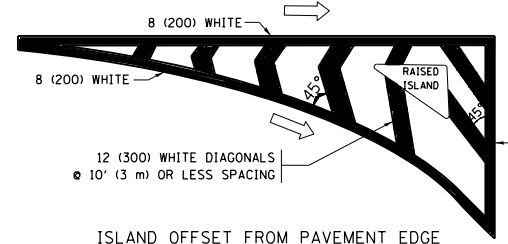


MEDIAN WITH TWO-WAY LEFT TURN LANE TYPICAL PAINTED MEDIAN MARKING

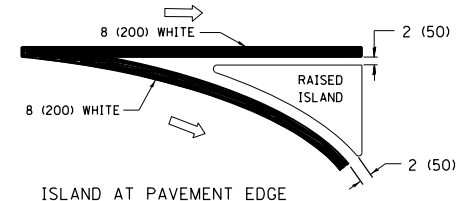


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

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

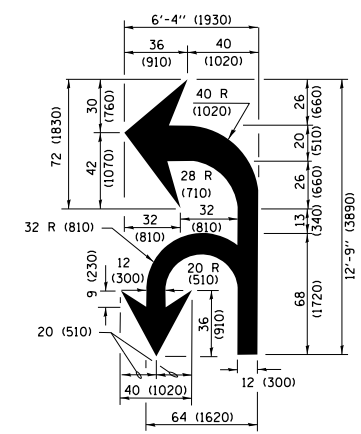


ISLAND OFFSET FROM PAVEMENT EDGE

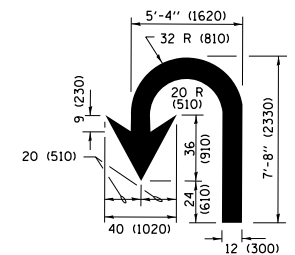


ISLAND AT PAVEMENT EDGE

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' (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 = Josephm	DESIGNED - EVERS	REVISED - C. JUCIUS 09-09-09
pw\1\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\01434\Browns\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 = 3/23/2018		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. 347	SECTION (CY,C&J)RS-6	COUNTY DUPAGE	TOTAL SHEETS 36	SHEET NO. 30
TC-13			CONTRACT NO. 62D16	
ILLINOIS FED. AID PROJECT				

TURN BAY ENTRANCE AT START OF LANE CLOSURE TAPER

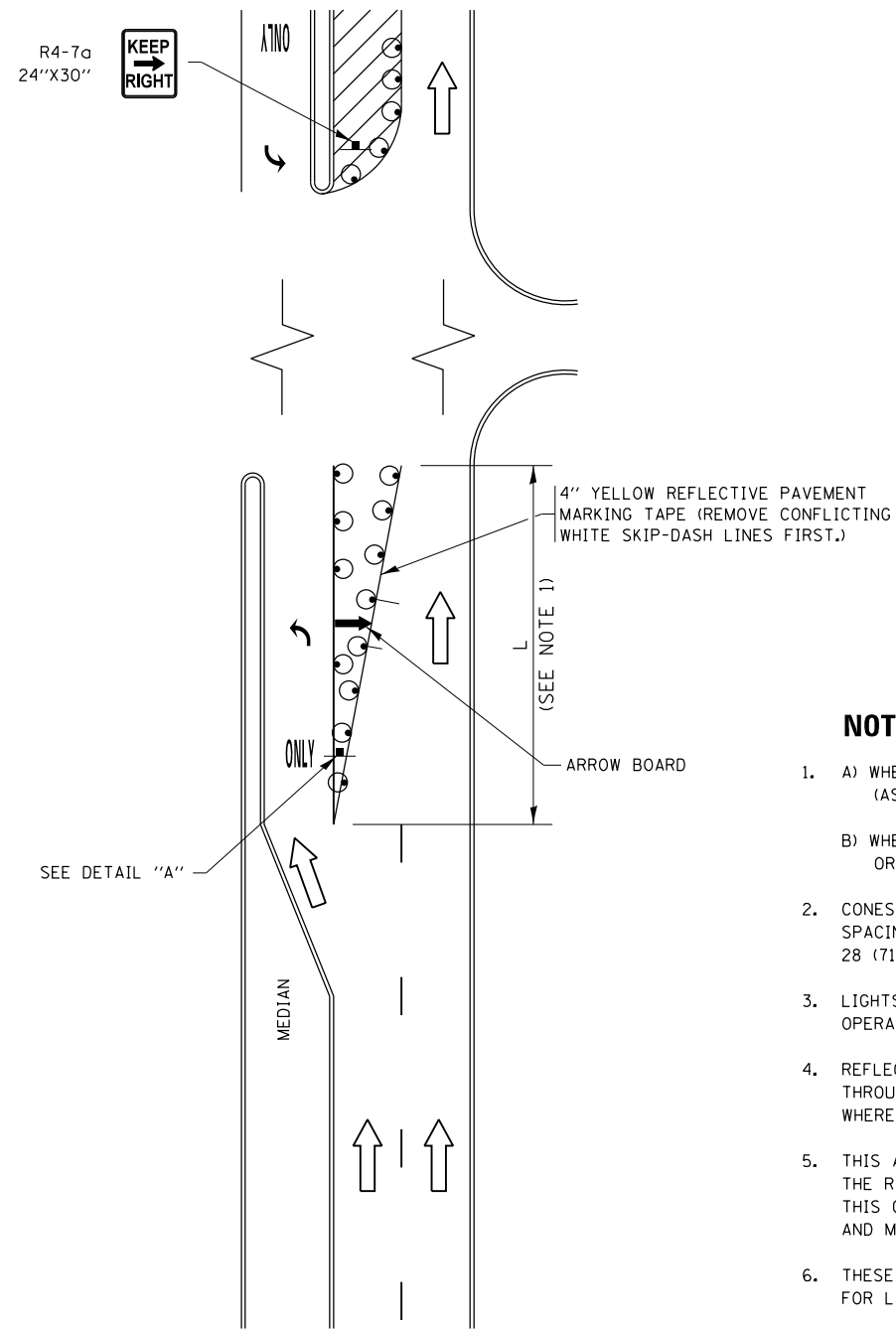


FIGURE 1

TURN BAY ENTRANCE WITHIN A LANE CLOSURE

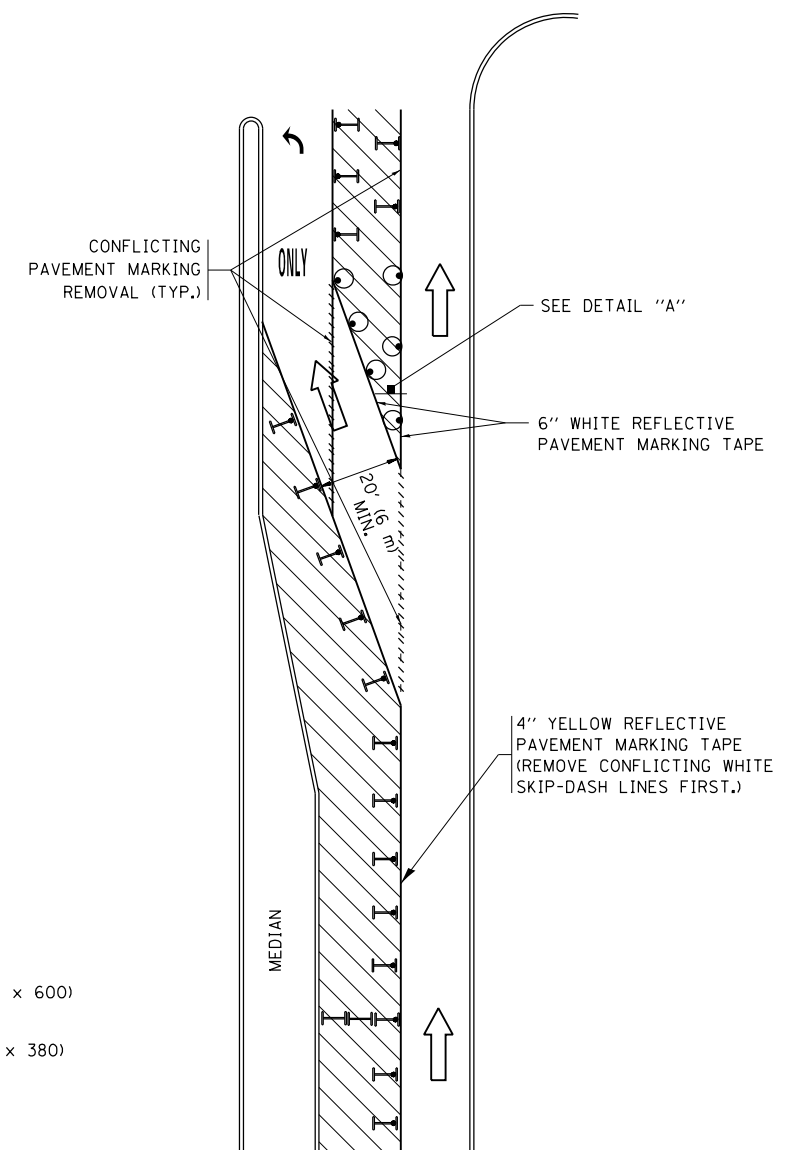


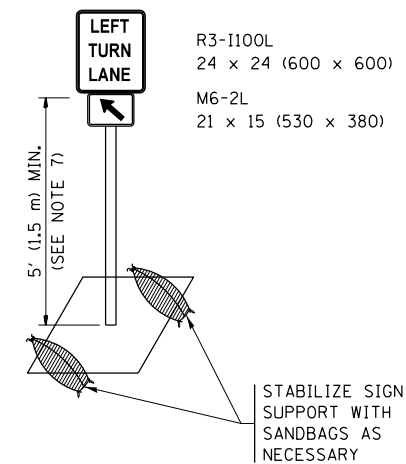
FIGURE 2

LEGEND

- WORK AREA
- LANE OPEN TO TRAFFIC
- ARROW BOARD
- TYPE I OR II BARRICADE OR DRUM WITH STEADY BURN LIGHT
- DRUM WITH STEADY BURN LIGHT
- SIGN ASSEMBLY
- TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

NOTES:

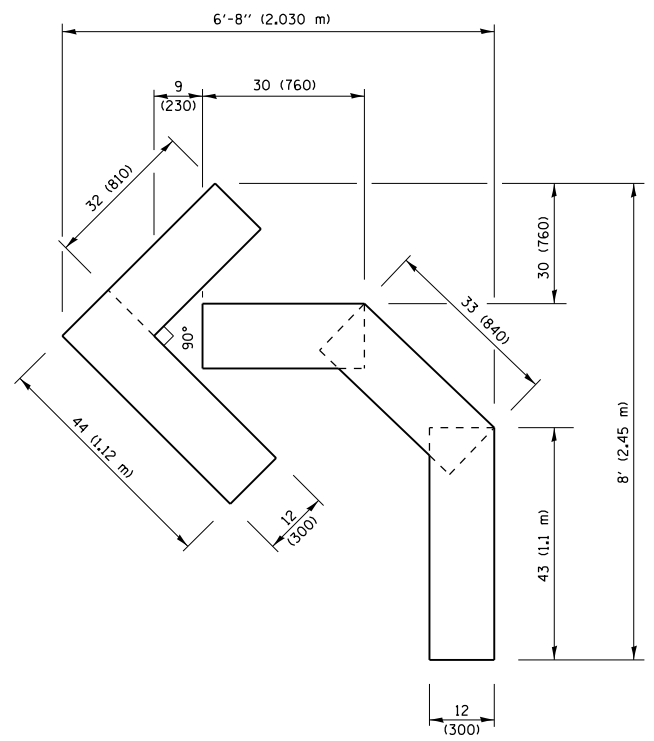
1. A) WHEN "L" IS \leq THE STORAGE LENGTH OF THE TURN LANE (AS SHOWN IN FIG. 1), USE FIGURE 1.
B) WHEN "L" IS $>$ THE STORAGE LENGTH OF THE TURN LANE OR THE TURN LANE IS WITHIN THE LANE CLOSURE, USE FIGURE 2.
2. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS.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



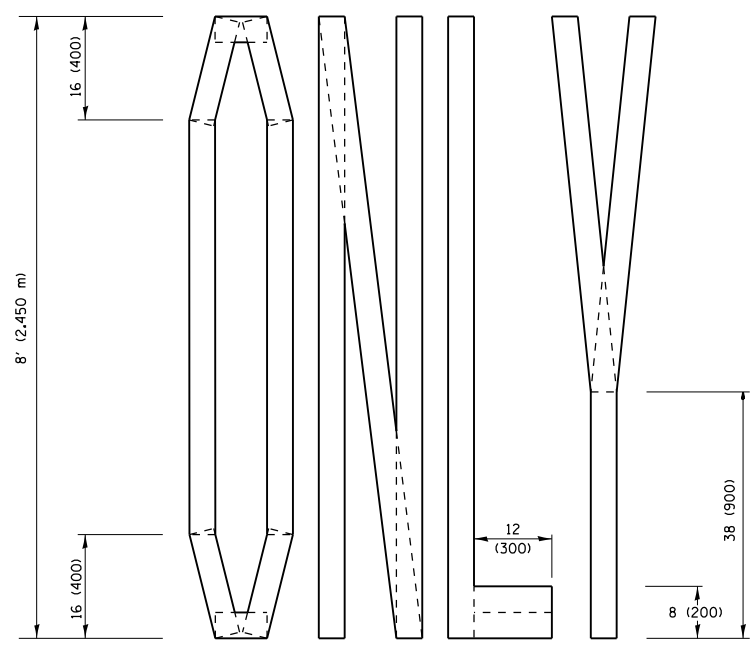
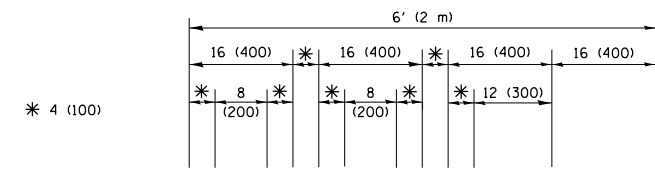
DETAIL A

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

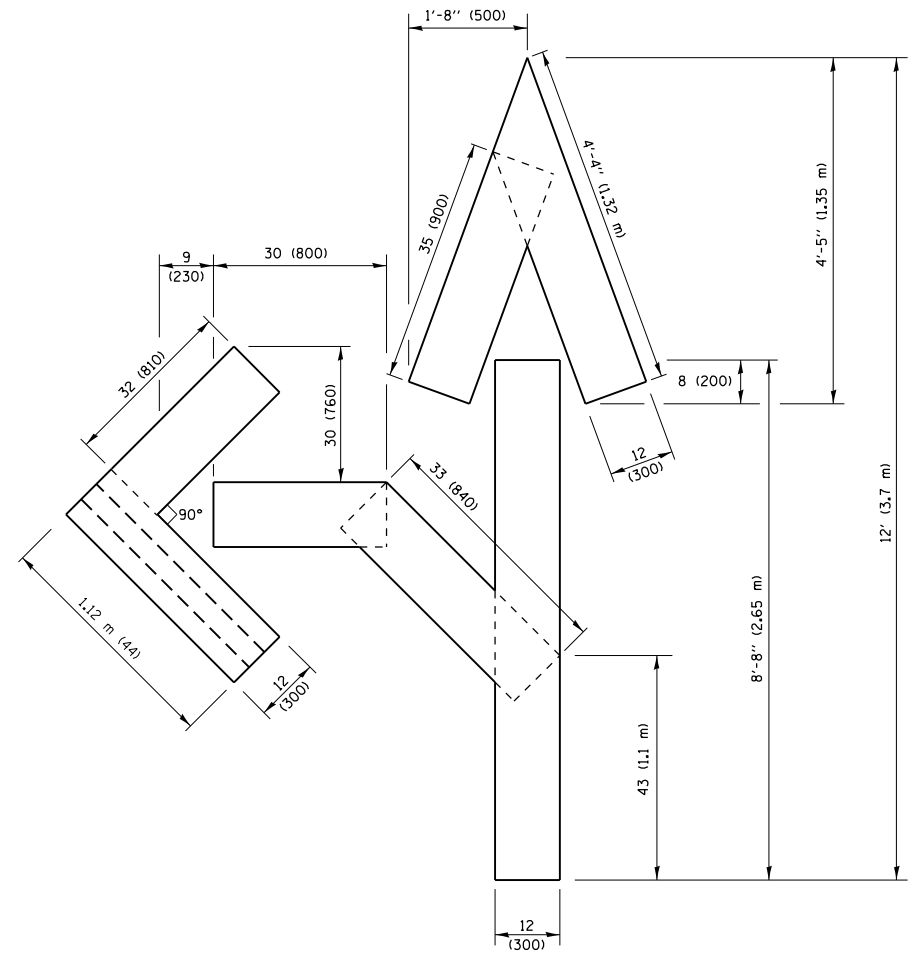
FILE NAME =	USER NAME = Josephm	REVISED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)			F.A.P. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default		REVISED - A. HOUSEH 11-07-95	REVISED - A. SCHUETZE 07-01-13					347	(CY,C&J)RS-6	DUPAGE	36	31
		REVISED - A. HOUSEH 10-12-96	REVISED - A. SCHUETZE 09-15-16		TC-14			CONTRACT NO. 62D16				
		REVISED - T. RAMMACHER 01-06-00	REVISED -		ILLINOIS FED. AID PROJECT							
					SCALE: NONE	SHEET 1	OF 1 SHEETS	STA.	TO STA.			



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

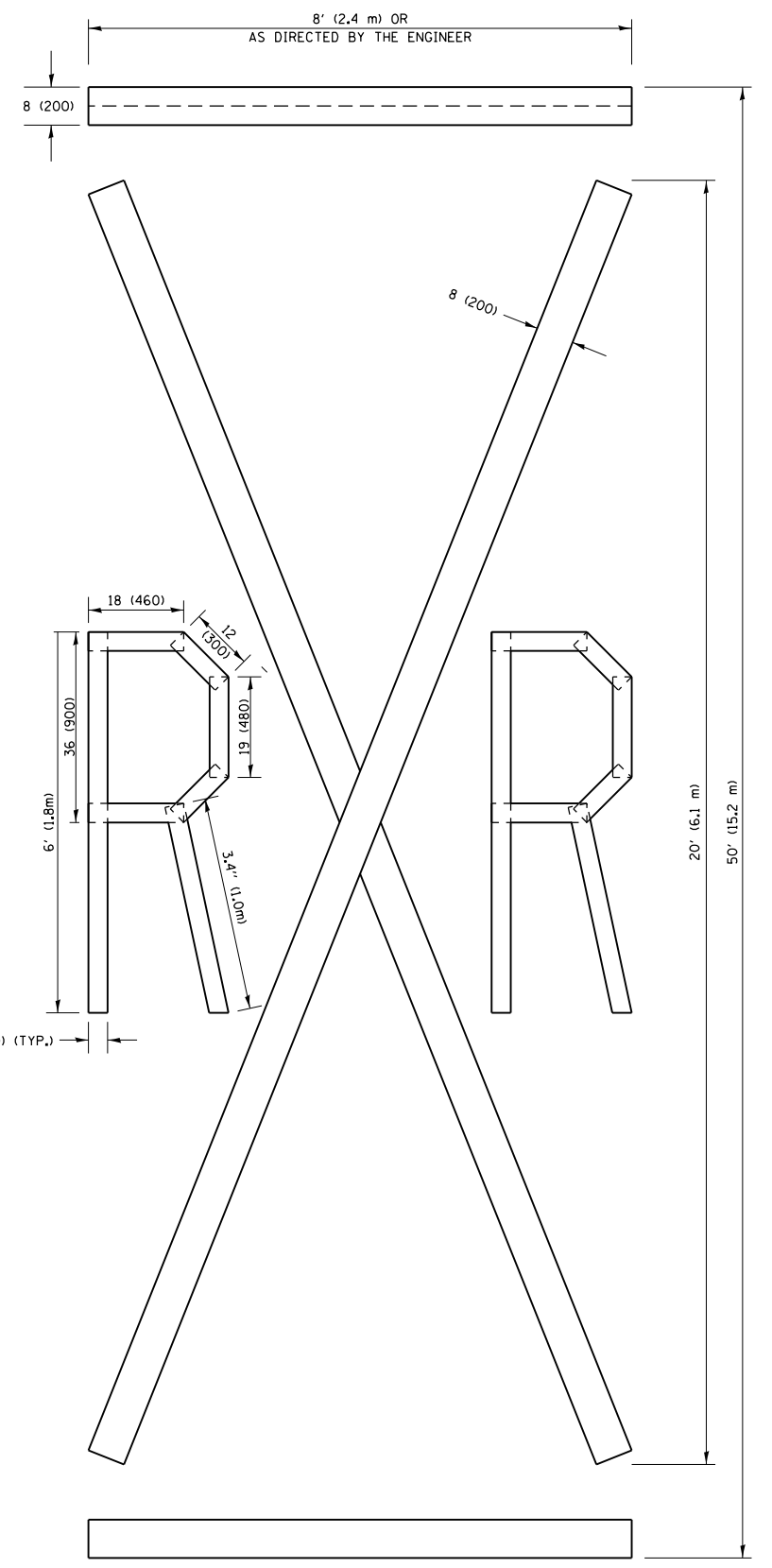


QUANTITY
 4 (100) LINE = 64.1 ft. (19.5 m)
 21.4 sq. ft. (1.99 sq. m)



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.

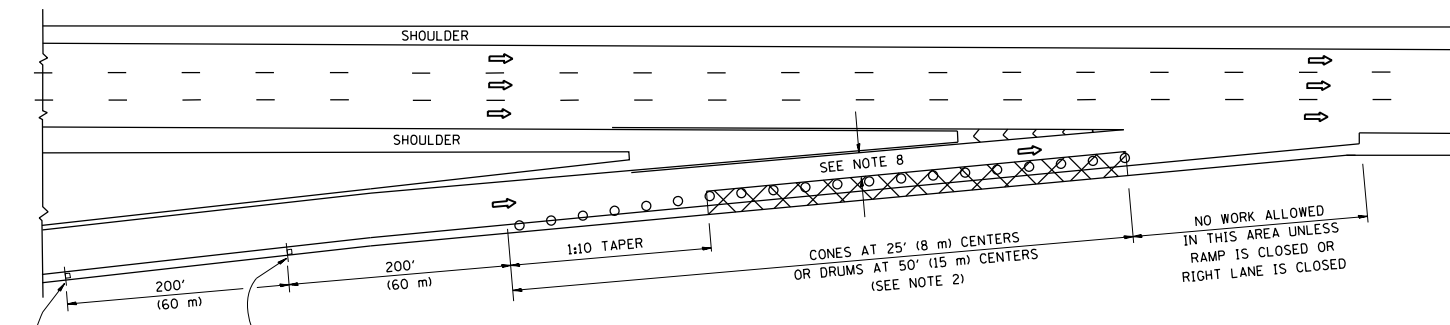
FILE NAME =	USER NAME = Josephm	DESIGNED -	REVISED - T. RAMMACHER 03-02-98
pw\l\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 1\Projects\01434\BROWNS\Design\Diststd.dgn		CHECKED -	REVISED - E. GOMEZ 08-28-00
		DATE - 09-18-94	REVISED - E. GOMEZ 08-28-00
			REVISED - A. SCHUETZE 09-15-16

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

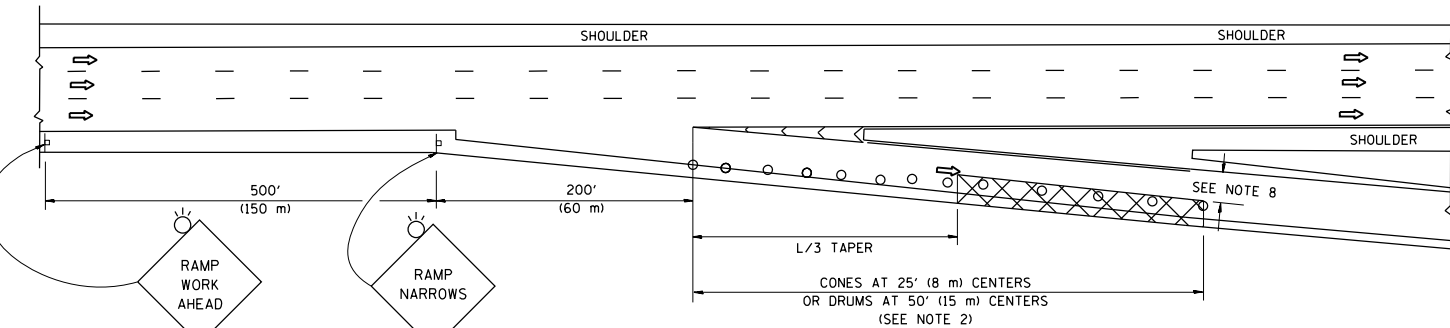
SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY,C&J)RS-6	DUPAGE	36	32
TC-16		CONTRACT NO. 62D16		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

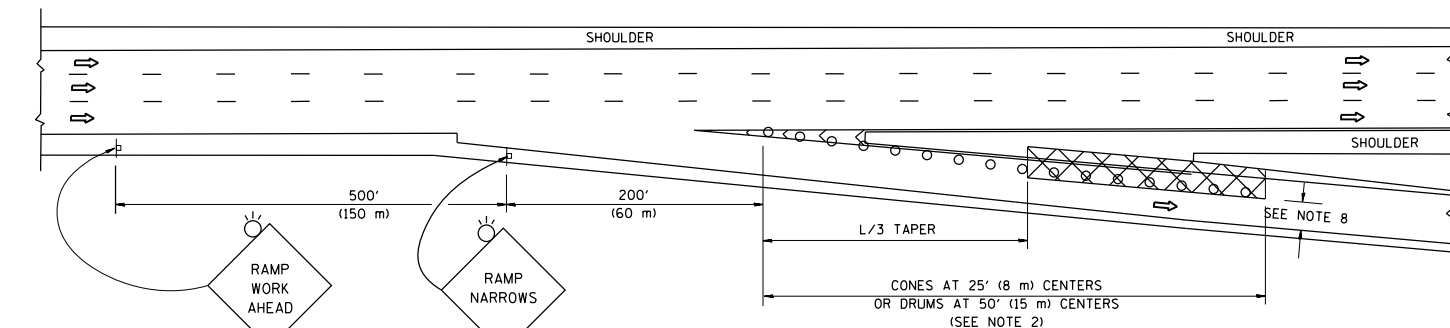
PARTIAL RAMP CLOSURE DETAILS



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

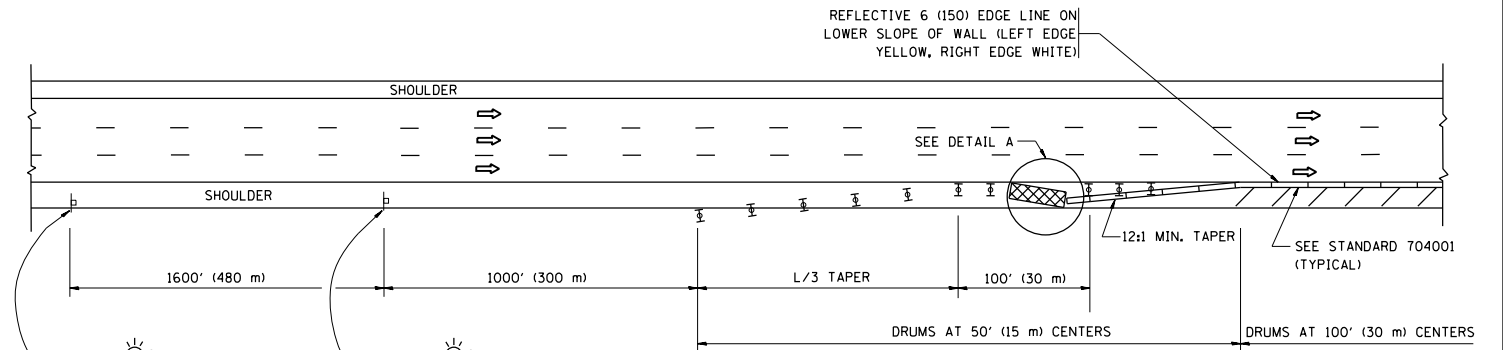
GENERAL NOTES

1. THE "L" DISTANCE EQUALS:

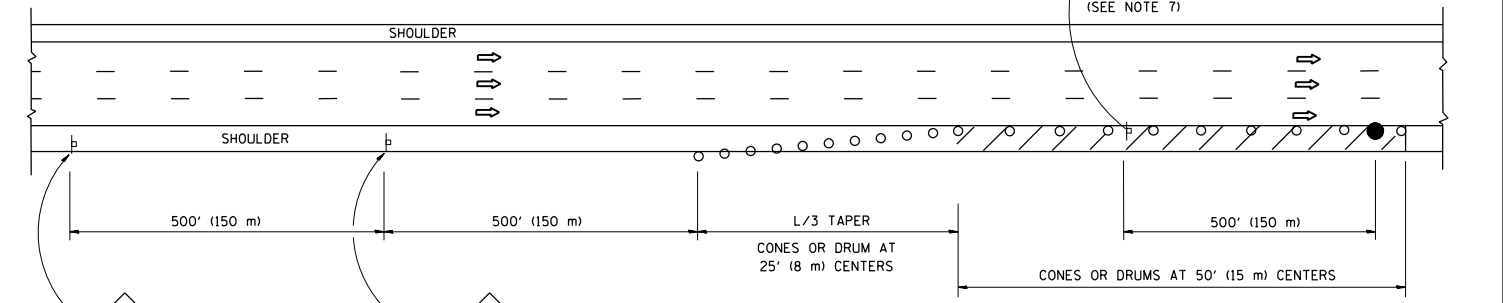
SPEED LIMIT	FORMULAS
45 mph (80 km/h)	METRIC ENGLISH
OR GREATER:	$L=0.65(W)(S)$ $L=(W)(S)$

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

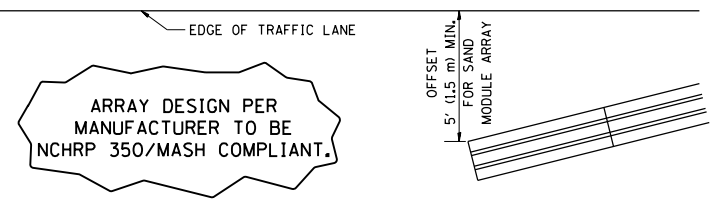


PERMANENT SHOULDER CLOSURE



DAYTIME SHOULDER CLOSURE

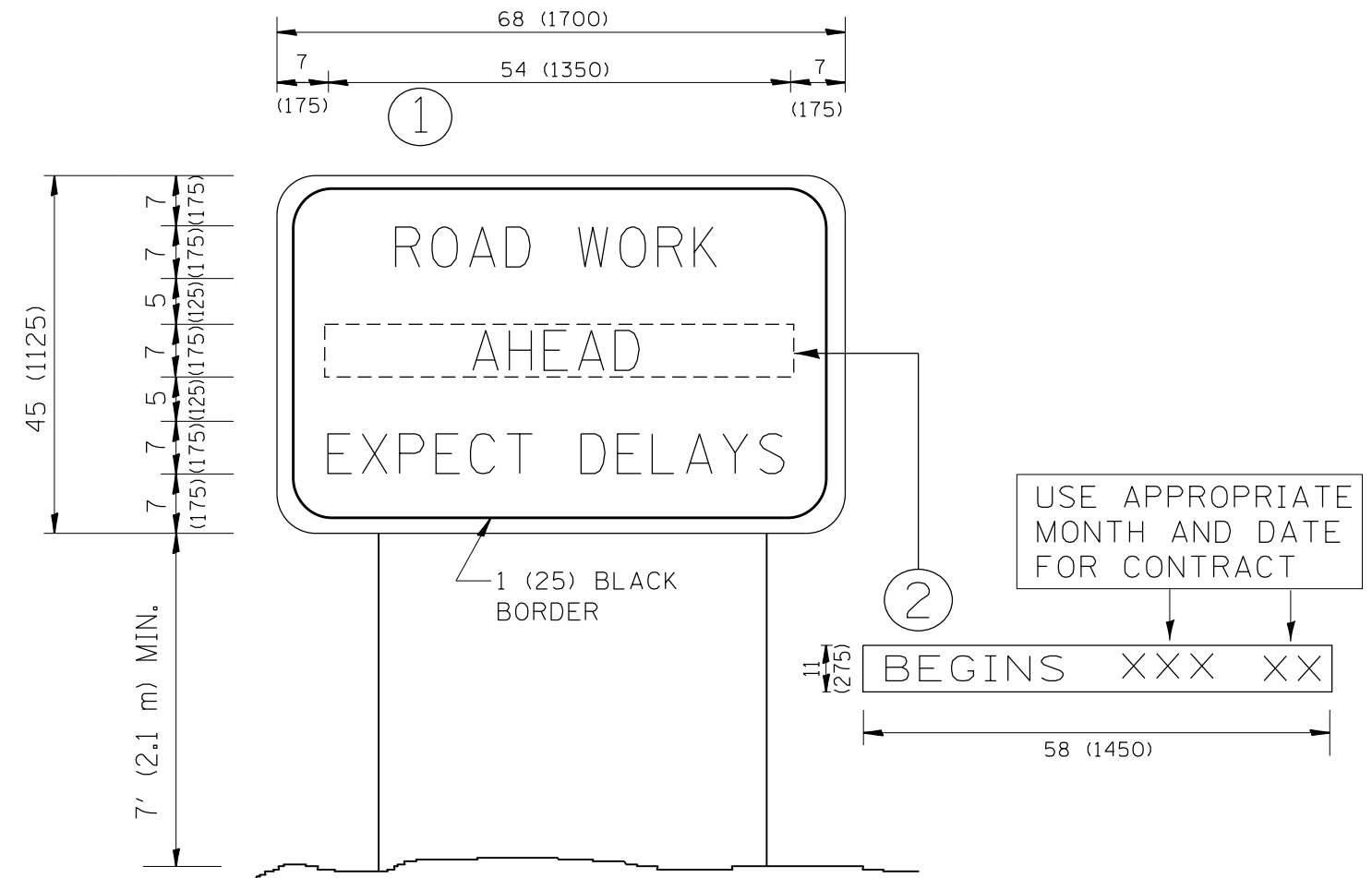
THIS DETAIL IS USED WHERE:
 1. VEHICLES, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCROACH IN AN AREA CLOSER THAN 15' (4.5 m) TO THE EDGE OF PAVEMENT FOR A PERIOD IN EXCESS OF 15 MINUTES.



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

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

FILE NAME =	USER NAME = Josephm	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.
pw:\IL\084EBIDINTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 1\Projects\01434\Drawings\Design\DWG\Std.dgn	PLLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - S.P.B. 12-09			347	(CY,C&J)RS-6	DUPAGE	36	33
Default	PLLOT DATE = 3/23/2018	DATE - 11-96	REVISED - M.D. 06-13			TC-17		CONTRACT NO. 62D16		
			REVISED - M.D. 01-18			SCALE: NONE	SHEET 1 OF 1 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	



NOTES:

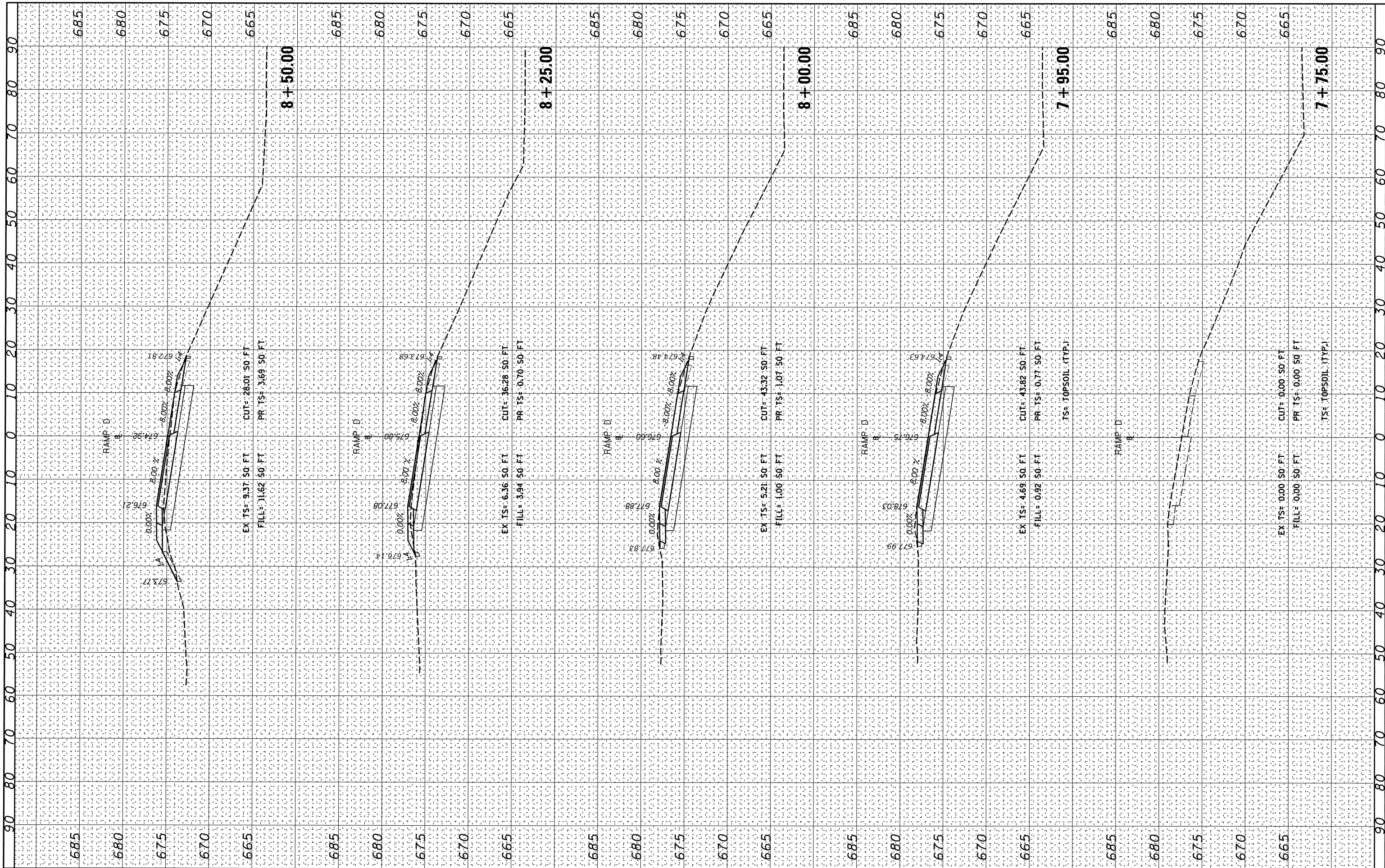
1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
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 = Josephm	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\PIDOT\Documents\DOT Offices\District 1\Projects\1434\BROWN\Design\Diststd.dgn			REVISED - R. MIRS 12-11-97		347	(CY,C&J)RS-6	DUPAGE	36	34			
PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED - T. RAMMACHER 02-02-99			TC-22		CONTRACT NO. 62D16					
PLOT DATE = 3/23/2018	DATE -	REVISED - C. JUCIUS 01-31-07	SCALE: NONE		SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

FINAL SURVEY	BY	DATE
PLOTTED		
NOTE BOOK		
AREAS CHECKED		
NO.		

ORIGINAL SURVEY	BY	DATE
PLOTTED		
NOTE BOOK		
AREAS CHECKED		
NO.		



FILE NAME =	USER NAME = Josephm
c:\pw_work\pwsdot\josephm\10143416-sht-ssht_RAMPD.dgn	
PLOT SCALE = 20.0000' / 1"	
PLOT DATE = 4/30/2018	

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

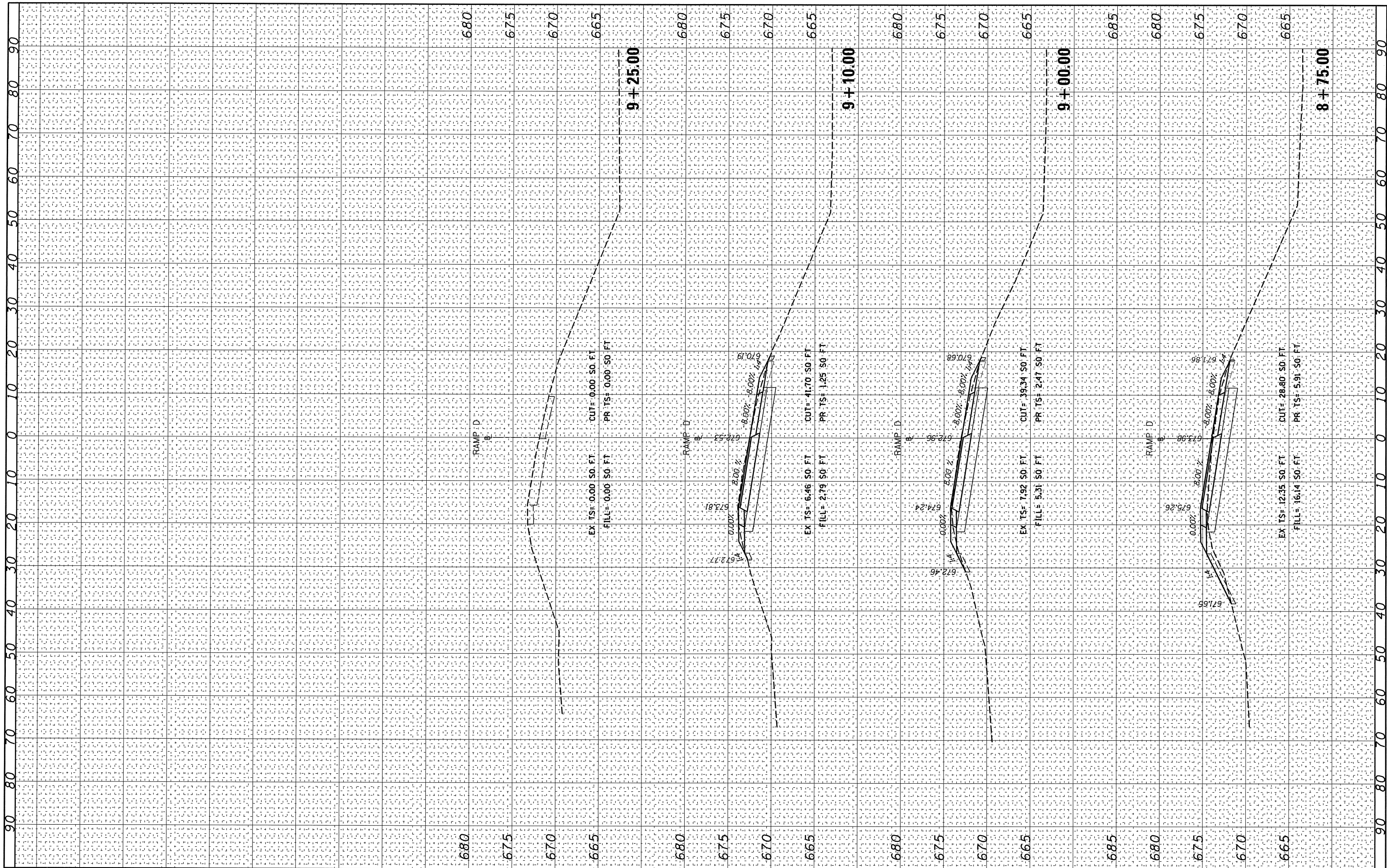
CROSS SECTIONS			
IL. ROUTE 38 AT IL. ROUTE 83 - RAMP D			
SCALE:	SHEET	OF	SHEETS
			STA. 7+75.00 TO STA. 8+50.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY,C&JRS-6)	DUPAGE	36	35
CONTRACT NO. 62D16				
ILLINOIS FED. AID PROJECT				

D:\13416\13416\ssht_RAMPD.dgn 4/30/2018 1:46:25 PM User=josephm

BY	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

BY	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	



FILE NAME =
 c:\pw_work\pwsdot\josephm\0494891\0143416-sht-ssht-RAMPD.dgn
 Default

USER NAME = Josephm
 sssht-RAMPD.dgn
 PLOT SCALE = 20.0322' / in.
 PLOT DATE = 4/30/2018

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
 IL. ROUTE 38 AT IL. ROUTE 83 - RAMP D**

SCALE: SHEET OF SHEETS STA. 8+75.00 TO STA. 9+25.00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
347	(CY,C&J)RS-6	DUPAGE	36	36
CONTRACT NO. 62D16			ILLINOIS FED. AID PROJECT	

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