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STANDARDS

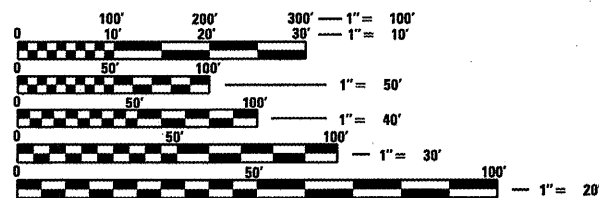
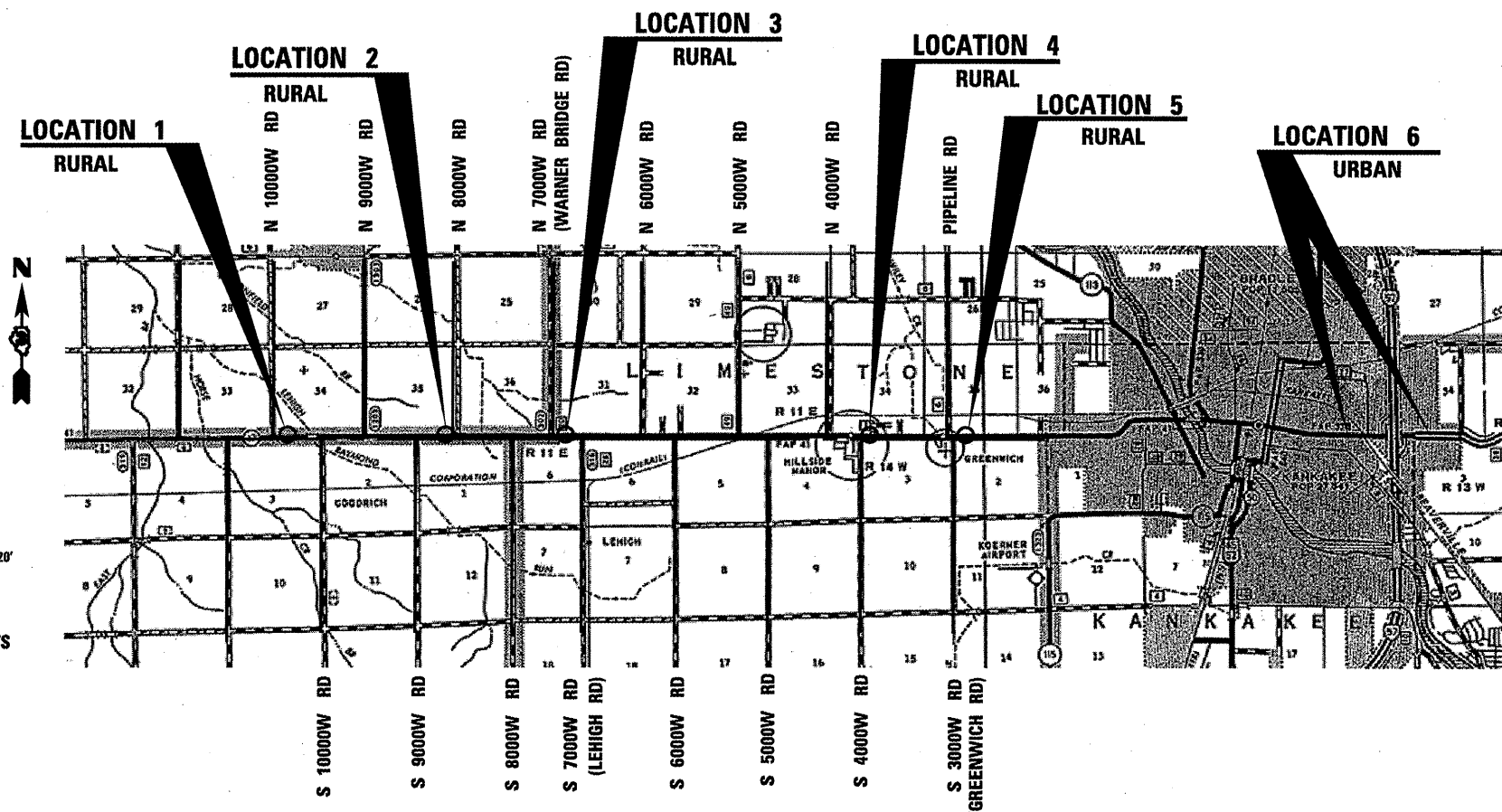
- | | |
|-----------|---|
| 000001-06 | STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS |
| 001006 | DECIMAL OF AN INCH AND OF A FOOT |
| 482011-03 | HMA SHOULDER STRIPS/SHOULDERS WITH RS OR WIDENING & RS PROJECTS |
| 701008-03 | OFF-ROAD OPERATIONS 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE |
| 701101-02 | OFF-ROAD OPERATIONS MULTILANE, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE |
| 701201-04 | LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH |
| 701301-04 | LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS |
| 701311-03 | LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY |
| 701421-03 | LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS ≥ 45 MPH TO 55 MPH |
| 701426-04 | LANE CLOSURE, MULTILANE INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ≥ 45 MPH |
| 701427 | LANE CLOSURE, MULTILANE INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ≤ 40 MPH |
| 701701-07 | URBAN LANE CLOSURE, MULTILANE INTERSECTION |
| 701901-01 | TRAFFIC CONTROL DEVICES |
| 780001-02 | TYPICAL PAVEMENT MARKINGS |
| 781001-03 | TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS |
| 857001-01 | STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES |
| 886001-01 | DETECTOR LOOP INSTALLATIONS |
| 886006-01 | TYPICAL LAYOUT FOR DETECTION LOOPS |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PROPOSED
HIGHWAY PLANS

FAP ROUTE 41 / 330 (IL 17)
SECTION D3 INTERMITTENT RS 2012-2

MILLING AND RESURFACING
KANKAKEE COUNTY

C-93-127-11



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: JOE KANNEL P.E.
UNIT CHIEF: RON WOODSHANK
TOWNSHIP: PILOT, LIMESTONE, KANKAKEE
CONTRACT NO. 66B46

GROSS LENGTH = 66792 FT. = 12.650 MILE
 NET LENGTH = 8530 FT. = 1.615 MILE

OTHER PRINCIPAL ARTERIAL		MINOR ARTERIAL	
RURAL		URBAN	
FAP RTE. 41 (IL 17)		FAP RTE. 330 (IL 17)	
2009		2009	
ADT	7100	ADT	17000
P.V.	88.03%	P.V.	90.00%
S.J.L.	7.04%	S.J.L.	7.06%
M.J.L.	4.93%	M.J.L.	2.94%

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED 06/30 20 11
Eric S. Therkelsen
 DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

July 1 20 11
Scott E. Stitt P.E.
 acting ENGINEER OF DESIGN AND ENVIRONMENT

July 1 20 11
Christine M. Roeder
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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GENERAL NOTES

PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN SCOPE OF WORK; HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.

THE THICKNESS OF HMA 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 IS PLACED.

THE HMA SURFACE OF ALL MAILBOX TURNOUTS, PRIVATE ENTRANCES, COMMERCIAL ENTRANCES, AND SIDE ROADS SHALL BE MADE NEATLY, IN A WORKMANLIKE MANNER, AND SHALL ACCURATELY CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. IF REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL BE REQUIRED TO SAW CUT THE HMA SURFACE TO CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. THIS WORK SHALL BE INCLUDED IN THE COST OF THE HMA SURFACE.

THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.

FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.

SHORT TERM PAVEMENT MARKING SHALL BE USED TO OUTLINE LANE LINES AND MEDIAN LINES FOR THE PRIME COAT APPLICATION AND EACH RESURFACING LIFT.

ON EXISTING PAVEMENT WHICH MAY BE SUPERELEVATED, THE NEW HMA PAVEMENT SHALL BE BUILT WITH THE SAME SUPERELEVATION UNLESS NEW SUPERELEVATION RATES ARE GIVEN ON THE PLANS.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.

THE CONTRACTOR SHALL CONTACT JULIE AT LEAST 48 HOURS PRIOR TO EXCAVATION TO DETERMINE WHICH UTILITIES ARE IN THE AREA.

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS	2.05	TONS / CU YD
BITUMINOUS MATERIALS (PRIME COAT)	0.08	GAL / SO YD
POLYMERIZED BIT MATERIALS (PRIME COAT)	0.10	GAL / SO YD
FOR ADDITIONAL HMA LIFTS "FOG COAT"	0.05	GAL / SO YD
AGGREGATE PRIME COAT	0.002	TONS / SO YD
HMA RESURFACING	112	LBS / SO YD / IN
SHORT TERM PAVEMENT MARKING	10	FT /100 FT OF APPLICATION
MIX FOR CRACKS, JTS & FLGWYS	0.0003	TONS / SO YD
LEVEL BINDER (HAND METHOD)	0.0005	TONS / SO YD

COMMITMENTS

DATE: 06/30/2011

PREPARED BY: Dave Broviak
DISTRICT STUDIES & PLANS ENGINEER

EXAMINED BY: Herbert Jung
DISTRICT CONSTRUCTION ENGINEER

Steve J. [Signature]
DISTRICT MATERIALS ENGINEER

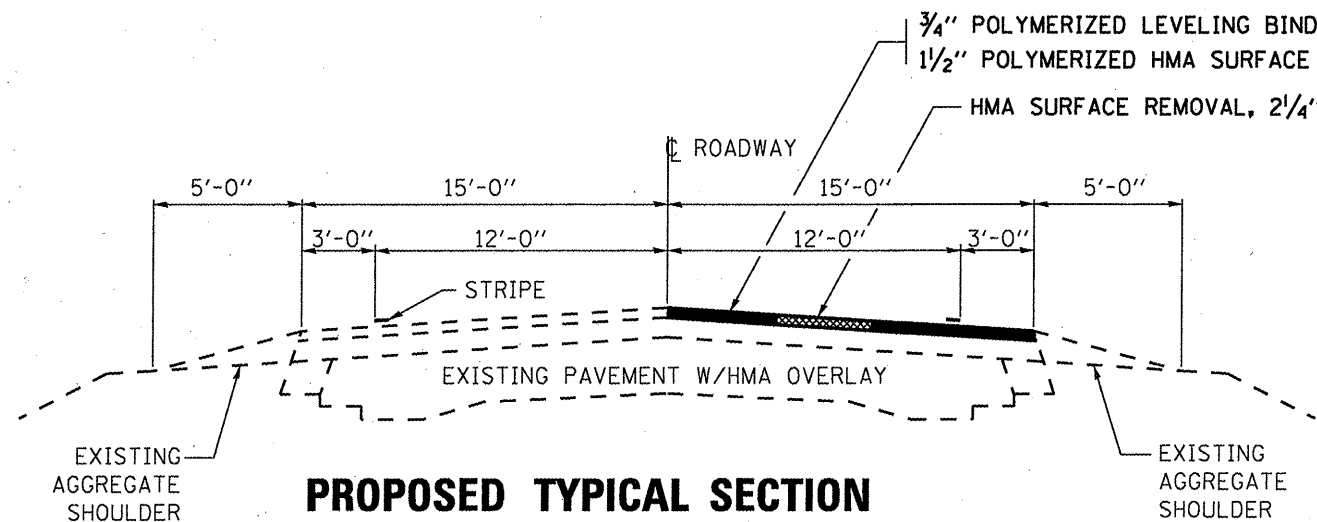
Benjamin A. [Signature]
DISTRICT OPERATIONS ENGINEER

FILE NAME *	USER NAME * USER*	DESIGNED - RON WOODSHANK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
*FILE#		DRAWN - RON WOODSHANK	REVISED -			40 & 330	D3 INTERMITTENT RS 2012-2	KANKAKEE	22	2	
	PLOT SCALE * SCALE*	CHECKED -	REVISED -			CONTRACT NO. 66B46					
	PLOT DATE * DATE*	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
				SCALE: _____ SHEET NO. 1 OF 1 SHEETS STA. _____ TO STA. _____							

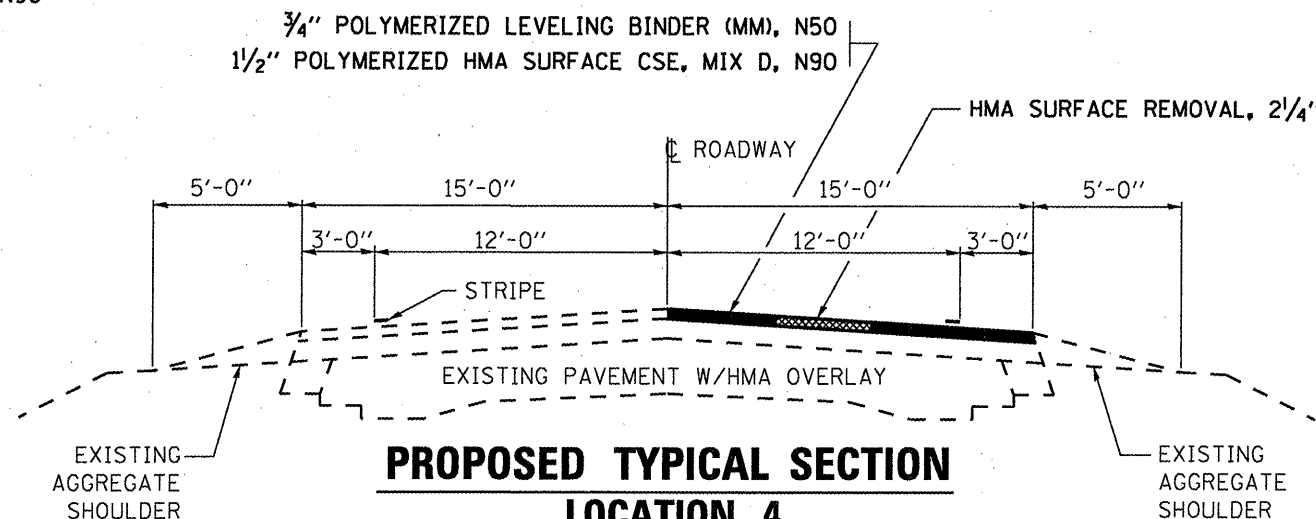
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTR. CODE	
				100% STATE	
				ROADWAY	
				0005	
				RURAL	URBAN
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	325	325	
4060015	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	GALLON	3368		3368
40600300	AGGREGATE (PRIME COAT)	TON	56	10	46
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGWAYS	TON	8	1	7
40600725	POLYMERIZED LEVELING BINDER (HAND METHOD), N50	TON	11		11
40600990	TEMPORARY RAMP	SO YD	1577	565	1012
40603545	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	2117	210	1907
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SO YD	182		182
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SO YD	24726	2500	22226
48101200	AGGREGATE SHOULDERS, TYPE B	TON	10	10	
67100100	MOBILIZATION	L SUM	1	0.5	0.5
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1		1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1	
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1		1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	3621	40	3581
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SO FT	6423	190	6233
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	723		723
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	7889	1500	6389
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	2660	400	2260
78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	1712		1712
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	669		669
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	391		391
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	454	20	434
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	452	18	434
81012300	CONDUIT IN TRENCH, 1" DIA., PVC	FOOT	127		127
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	127		127
87900200	DRILL EXISTING HANDHOLE	EACH	11		11
88600100	DETECTOR LOOP, TYPE I	FOOT	847		847
X4060826	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	1038	105	933
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SO YD	153		153

• SPECIALITY ITEMS

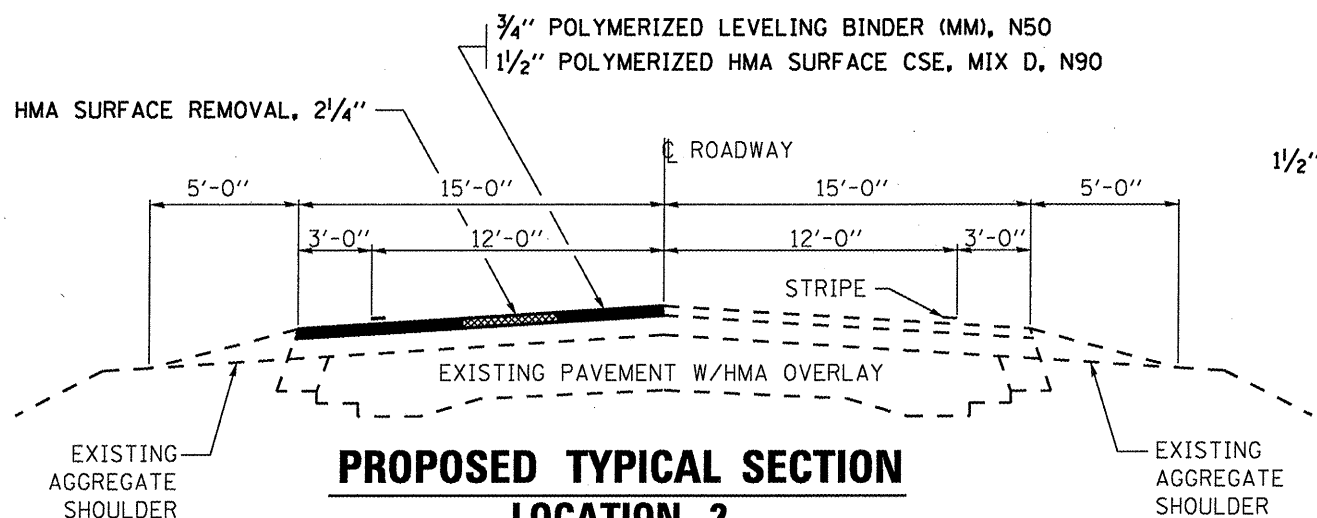
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*FILE#		DRAWN - RON WOODSHANK	REVISED -			40 & 330	03 INTERMITTENT RS 2012-2	KANKAKEE	22	3	
PLOT SCALE = *SCALE*		CHECKED -	REVISED -			SCALE: _____ SHEET NO. 1 OF 1 SHEETS		STA. _____ TO STA. _____		CONTRACT NO. 66B46	
PLOT DATE = *DATE*		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					



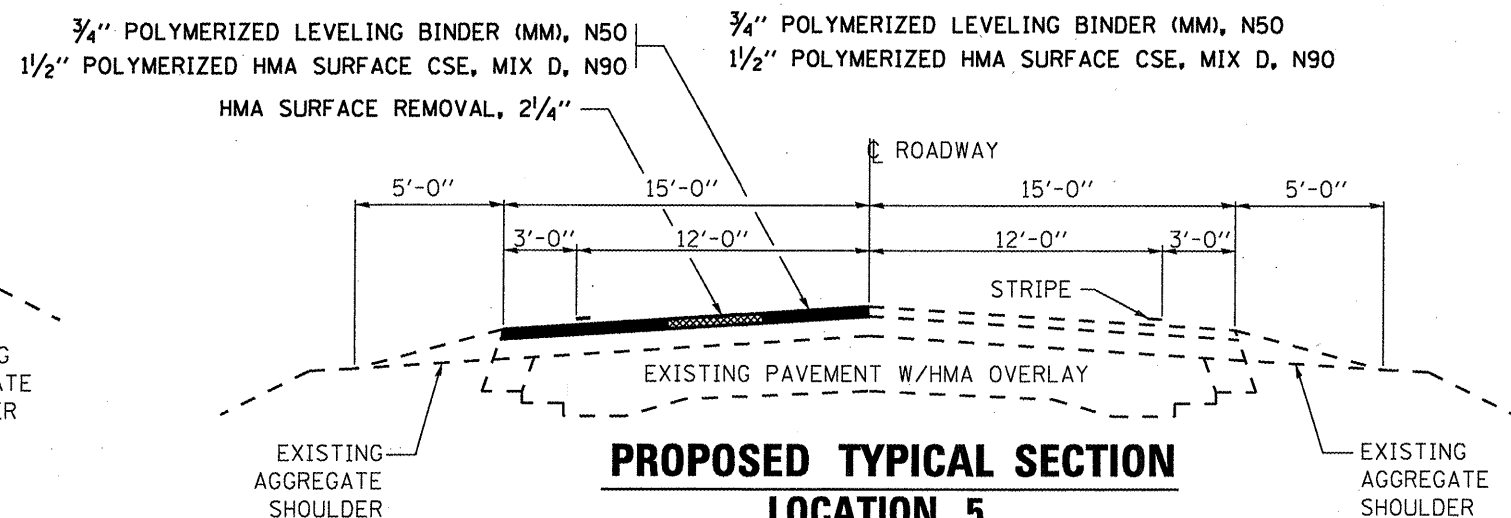
PROPOSED TYPICAL SECTION
LOCATION 1
 240 FT. EAST OF 1000W RD.
 (LOOKING EAST)



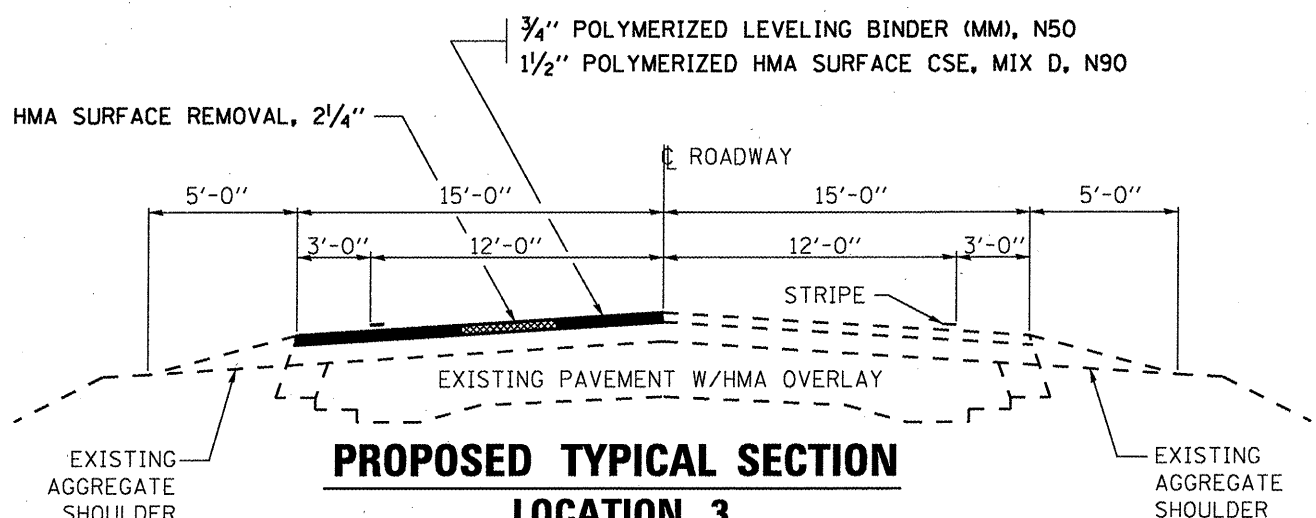
PROPOSED TYPICAL SECTION
LOCATION 4
 120' EAST OF 4000W RD.
 (LOOKING EAST)



PROPOSED TYPICAL SECTION
LOCATION 2
 330 FT. WEST OF 8000W RD.
 (LOOKING EAST)



PROPOSED TYPICAL SECTION
LOCATION 5
 1865 FT EAST OF 3000W RD.
 (LOOKING EAST)

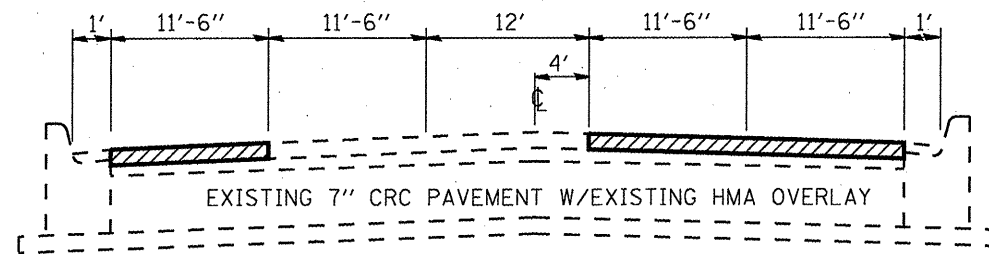


PROPOSED TYPICAL SECTION
LOCATION 3
 1000' EAST OF WARNER BRIDGE RD.
 (LOOKING EAST)

RURAL MIXTURES TABLE		
	LOCATION	LOCATION
	POLYMERIZED HMA LEVEL BINDER	POLYMERIZED HMA SURFACE
PG GRADE	SBS PG70-22	SBS PG70-22
DESIGN AIR VOIDS	4.0% e N50	4.0% e N90
MIXTURE COMPOSITION	IL 4.75	IL 9.5
FRICTION		
AGGREGATE		MIXTURE D
DENSITY TEST METHOD	CORES	CORES

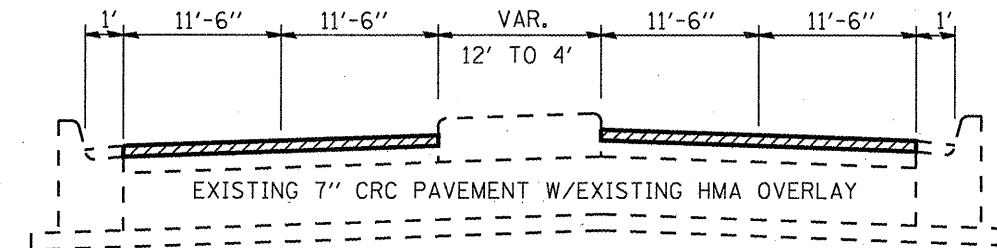
NOTE:

1. EXACT LOCATIONS OF BEGINNING AND ENDING STATIONS SHALL BE FIELD DETERMINED BY THE ENGINEER AT TIME OF CONSTRUCTION AND ACTUAL LOCATIONS DOCUMENTED ON "AS BUILT" PLANS.
2. EACH LOCATION SHALL BE A MINIMUM OF 300' LONG.



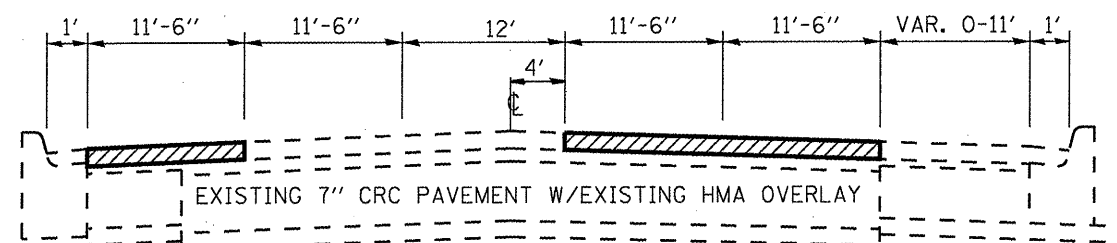
PROPOSED TYPICAL SECTION 1

LOCATION 6
STA. 212+70 TO STA. 221+36



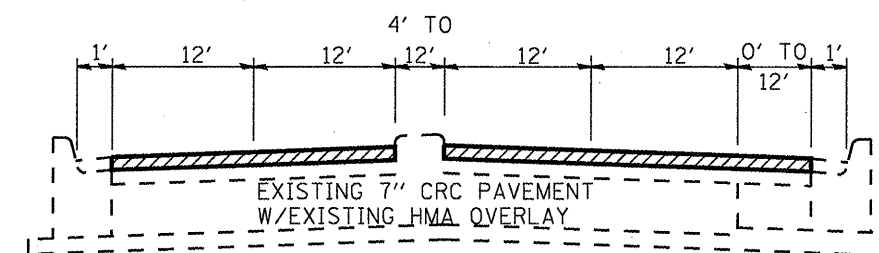
PROPOSED TYPICAL SECTION 4

LOCATION 6
STA. 236+70 TO STA. 239+31



PROPOSED TYPICAL SECTION 2


LOCATION 6
STA. 221+36 TO STA. 234+48
STA. 236+00 TO STA. 236+70



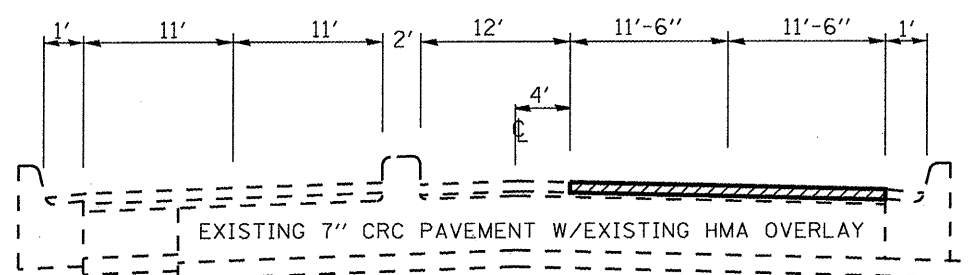
PROPOSED TYPICAL SECTION 5

LOCATION 6
STA. 239+31 TO STA. 241+88

•• STATION EQUATION
STA. 249+19.06 BK. =
STA. 3+83.36 AH.

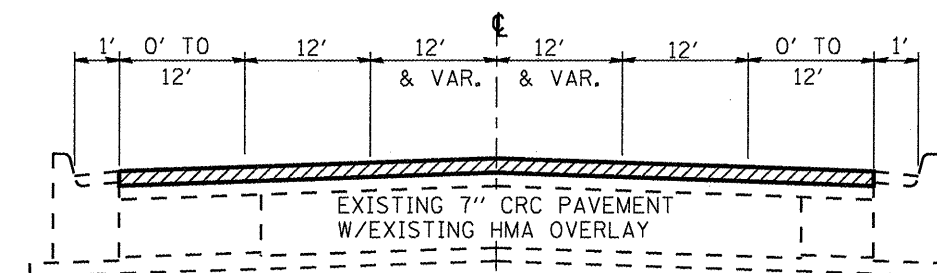
 2 1/4" HMA SURFACE REMOVAL
3/4" POLYMERIZED LEVELING BINDER (MM), N50
1 1/2" POLYMERIZED HMA SURFACE CSE, MIX D, N90

URBAN MIXTURES TABLE		
	LOCATION POLYMERIZED HMA LEVEL BINDER	LOCATION POLYMERIZED HMA SURFACE
PG GRADE	SBS PG70-22	SBS PG70-22
DESIGN AIR VOIDS	4.0% e N50	4.0% e N90
MIXTURE COMPOSITION	IL 4.75	IL 9.5
FRICTION AGGREGATE		MIXTURE D
DENSITY TEST METHOD	CORES	CORES



PROPOSED TYPICAL SECTION 3

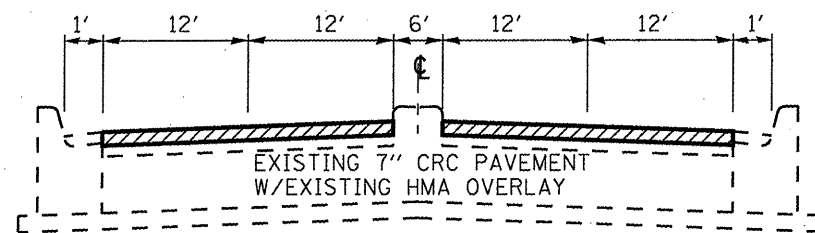
LOCATION 6
STA. 234+48 TO STA. 236+00



PROPOSED TYPICAL SECTION 6

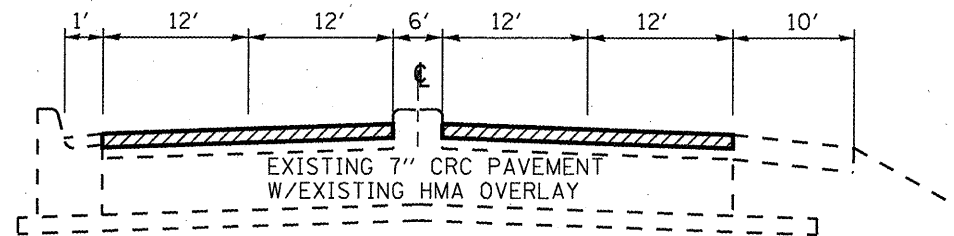
LOCATION 6
STA. 241+88 TO STA. **249+19.06 BK.

•• STATION EQUATION
 STA. 249+19.06 BK. =
 STA. 3+83.36 AH.



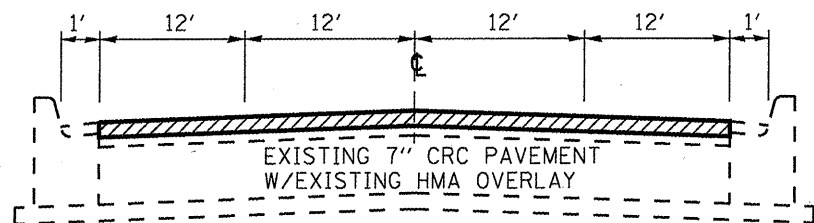
PROPOSED TYPICAL SECTION 7

LOCATION 6
 •• STA. 3+83.36 AH. TO STA. 9+73



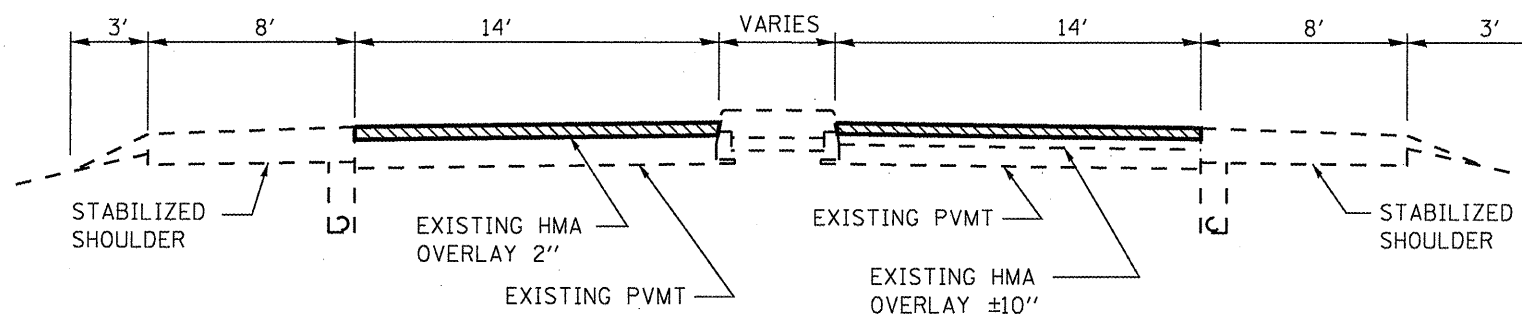
PROPOSED TYPICAL SECTION 10

LOCATION 6
 STA. 20+91 TO STA. 22+64



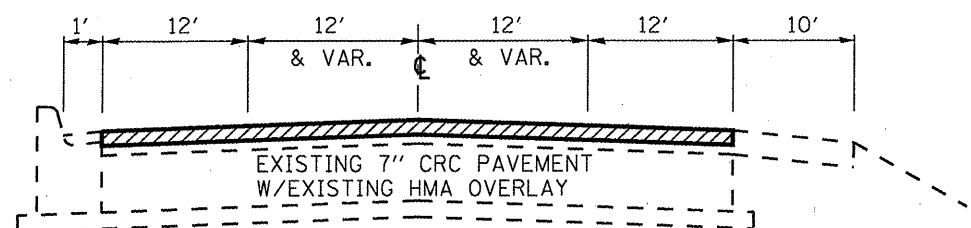
PROPOSED TYPICAL SECTION 8

LOCATION 6
 STA. 9+73 TO STA. 19+25



WEST RAMPS - TYPICAL SECTION 11

LOCATION 6
 STA. 236+48 LT.



PROPOSED TYPICAL SECTION 9

LOCATION 6
 STA. 19+25 TO STA. 20+91

- 2 1/4" HMA SURFACE REMOVAL
- 3/4" POLYMERIZED LEVELING BINDER (MM), N50
- 1/2" POLYMERIZED HMA SURFACE CSE, MIX D, N90
- 2" HMA SURFACE REMOVAL
- 2" POLYMERIZED HMA SURFACE CSE, MIX D, N90

URBAN MIXTURES TABLE		
	LOCATION	LOCATION
	POLYMERIZED HMA LEVEL BINDER	POLYMERIZED HMA SURFACE
PG GRADE	SBS PG70-22	SBS PG70-22
DESIGN AIR VOIDS	4.0% @ N50	4.0% @ N90
MIXTURE COMPOSITION	IL 4.75	IL 9.5
FRICTION AGGREGATE		MIXTURE D
DENSITY TEST METHOD	CORES	CORES

MAINLINE SCHEDULE - RURAL

LOCATION	HMA SURFACE REMOVAL 2 1/4	TEMPORARY RAMP	BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)	MIXTURES FOR CRACKS JOINTS AND FLANGWAYS	POLYMERIZED LEVELING BINDER (MM) N50	POLYMERIZED HMA SURFACE CSE. MIX D. N90
STA.	SO YD	SO YD	GAL	TON	TON	TON	TON
LOCATION 1	500	113	65	2	0.2	21	42
LOCATION 2	500	113	65	2	0.2	21	42
LOCATION 3	500	113	65	2	0.2	21	42
LOCATION 4	500	113	65	2	0.2	21	42
LOCATION 5	500	113	65	2	0.2	21	42
TOTALS	2500	565	325	10	1	105	210

PAVEMENT MARKING SCHEDULE - RURAL

LOCATION	SHORT- TERM PAVEMENT MARKING		WORKZONE PAVEMENT MARKING REMOVAL	THERMOPLASTIC PAVEMENT MARKING LINE 4"		THERMOPLASTIC PAVEMENT MARKING LINE 6"	
	FOOT		SO FT	FOOT		FOOT	
	YELLOW	WHITE		YELLOW	WHITE	YELLOW	WHITE
LOCATION 1	8		38		300	80	
LOCATION 2	8		38		300	80	
LOCATION 3	8		38		300	80	
LOCATION 4	8		38		300	80	
LOCATION 5	8		38		300	80	
SUBTOTALS	40		190		1500	400	
TOTALS		40	190		1500	400	

PAVEMENT MARKER SCHEDULE - RURAL

LOCATION	RAISED REFLECTIVE PAVEMENT MARKER		RAISED REFLECTIVE PAVEMENT MARKER REMOVAL
	EACH AMBER	EACH CRYSTAL	EACH
	LOCATION 1	4	
LOCATION 2	4		3
LOCATION 3	4		4
LOCATION 4	4		4
LOCATION 5	4		4
SUBTOTALS	20		18
TOTALS		20	18

MAINLINE SCHEDULE - URBAN

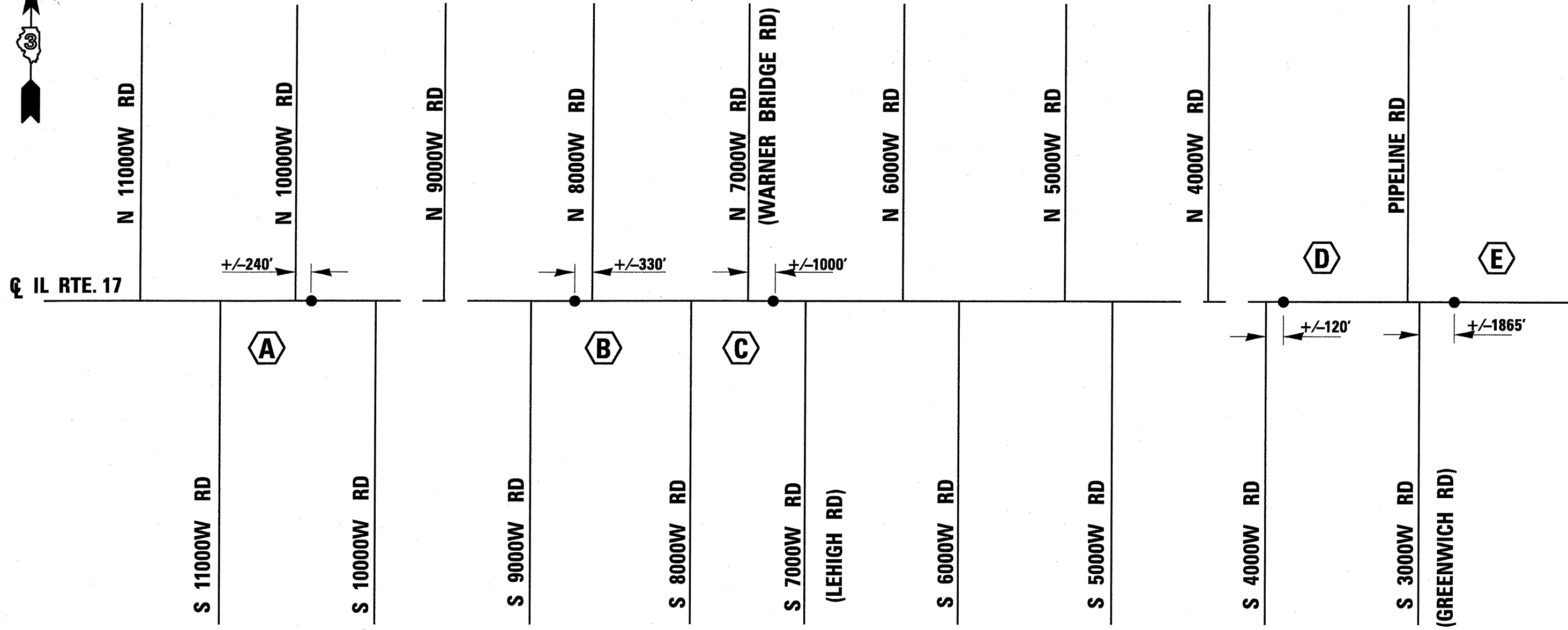
LOCATION			HMA SURFACE REMOVAL VAR DEPTH	HMA SURFACE REMOVAL 2"	HMA SURFACE REMOVAL 2 1/4	TEMPORARY RAMP	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)	MIXTURES FOR CRACKS JOINTS AND FLANGWAYS	POLYMERIZED LEVELING BINDER (HM) N50	POLYMERIZED LEVELING BINDER (MM) N50	POLYMERIZED HMA SURFACE CSE. MIX D, N90
STA.	TO	STA.	SO YD	SO YD	SO YD	SO YD	GAL	TON	TON	TON	TON	TON
STA. 211+00	TO	STA. 221+36			3021	361	453	6	0.9	1.5	127	254
STA. 221+36	TO	STA. 234+48			825	104	124	2	0.2	0.2	35	69
STA. 234+48		STA. 236+00			388		58	1	0.2	0.2	16	33
STA. 236+00	TO	STA. 236+70			358		54	1	0.2	0.2	15	30
SOUTHBOUND RAMP			153	182		24	34	1	0.2	0.2		40
STA. 236+70	TO	STA. 239+31			1334		200	3	0.4	0.7	56	112
STA. 239+31	TO	STA. 241+88			1627		244	3	0.5	0.8	68	137
STA. 241+88	TO	STA. 249+19.06 BK			4641	208	696	9	1.4	2.3	195	390
STA. 3+83.36 AH	TO	STA. 9+73			3147		472	6	0.9	1.6	132	264
STA. 9+73	TO	STA. 19+25			5077	275	762	10	1.5	2.4	213	426
STA. 19+25	TO	STA. 20+91			885		133	2	0.3	0.4	37	74
STA. 20+91	TO	STA. 22+64			923	40	138	2	0.3	0.5	39	78
TOTALS			153	182	22226	1012	3368	46	7	11	933	1907

PAVEMENT MARKING SCHEDULE - URBAN

LOCATION			SHORT- TERM PAVEMENT MARKING		WORKZONE PAVEMENT MARKING REMOVAL	THERMOPLASTIC PAVEMENT MARKING L&S	THERMOPLASTIC PAVEMENT MARKING LINE 4"	THERMOPLASTIC PAVEMENT MARKING LINE 6"	THERMOPLASTIC PAVEMENT MARKING LINE 8"	THERMOPLASTIC PAVEMENT MARKING LINE 12"	THERMOPLASTIC PAVEMENT MARKING LINE 24"
STA.	TO	STA.	FOOT		SO FT	SO FT	FOOT		FOOT		FOOT
			YELLOW	WHITE	WHITE	YELLOW	WHITE	YELLOW	WHITE	WHITE	YELLOW
STA. 211+00	TO	STA. 221+36	209	163	652	122	607	90	370		50
STA. 221+36	TO	STA. 234+48	14	55	173	61	48		100		23
STA. 234+48		STA. 236+00		62	164				40	150	23
STA. 236+00	TO	STA. 236+70									
SOUTHBOUND RAMP			40	106	337		132		110		28
STA. 236+70	TO	STA. 239+31	128	159	580	104	426		130	102	38
STA. 239+31	TO	STA. 241+88	11	170	466	116	38		130	196	64
STA. 241+88	TO	STA. 249+19.06 BK	415	410	1369	240	1384		490	227	26
STA. 3+83.36 AH	TO	STA. 9+73	374	114	687		1180		300	637	128
STA. 9+73	TO	STA. 19+25	526	250	1296	64	1616		320	375	75
STA. 19+25	TO	STA. 20+91	200	36	340	16	596		80	25	
STA. 20+91	TO	STA. 22+64	109	30	169		362		100		
SUBTOTALS			2026	1555	6233	723	6389	90	2170	1712	391
TOTALS			3581		6233	723	6389	2260	1712	669	391

PAVEMENT MARKER SCHEDULE - URBAN

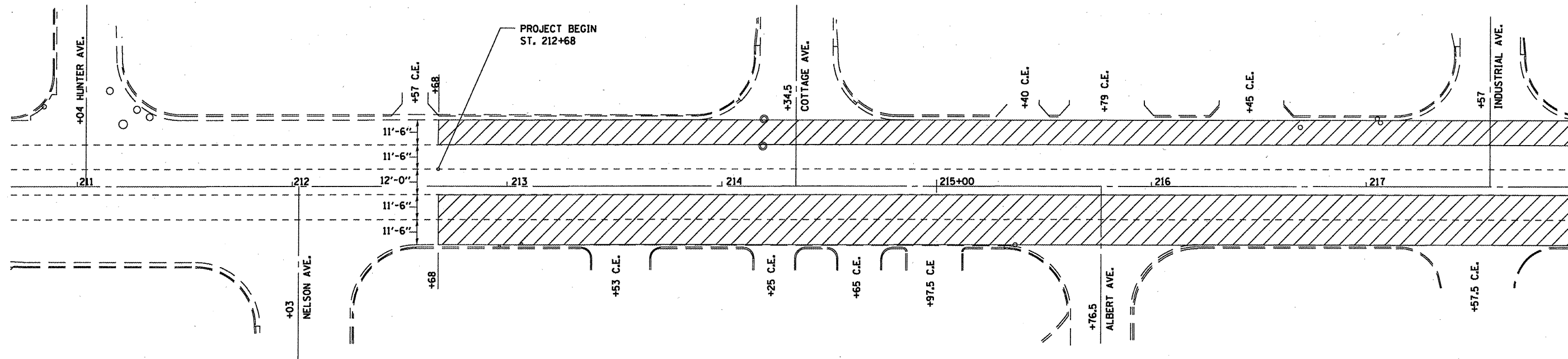
LOCATION			RAISED REFLECTIVE PAVEMENT MARKER		RAISED REFLECTIVE PAVEMENT MARKER REMOVAL
STA.	TO	STA.	EACH	EACH	EACH
			AMBER	CRYSTAL	
STA. 211+00	TO	STA. 221+36	20	38	58
STA. 221+36	TO	STA. 234+48	2	9	11
STA. 234+48		STA. 236+00		9	9
STA. 236+00	TO	STA. 236+70			
SOUTHBOUND RAMP			3	11	14
STA. 236+70	TO	STA. 239+31	20	14	34
STA. 239+31	TO	STA. 241+88	25	18	43
STA. 241+88	TO	STA. 249+19.06 BK	30	50	80
STA. 3+83.36 AH	TO	STA. 9+73	30	47	77
STA. 9+73	TO	STA. 19+25	32	51	83
STA. 19+25	TO	STA. 20+91	8	9	17
STA. 20+91	TO	STA. 22+64		8	8
SUBTOTALS			170	264	434
TOTALS			434		434



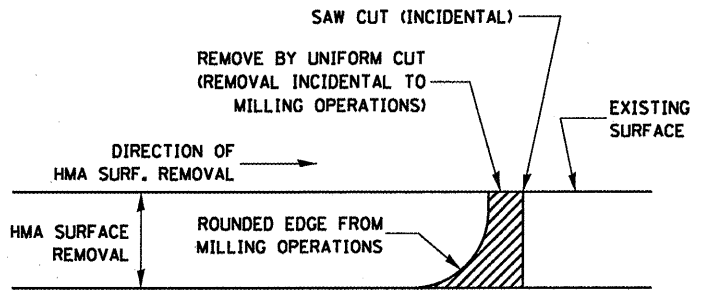
- A** LOCATION 1
- B** LOCATION 2
- C** LOCATION 3
- D** LOCATION 4
- E** LOCATION 5

NOTE:
 EXACT LOCATIONS OF BEGINNING AND ENDING STATIONS SHALL BE FIELD DETERMINED BY THE ENGINEER AT TIME OF CONSTRUCTION. ACTUAL LOCATIONS SHALL BE SHOWN ON "AS-BUILT" PLANS.

FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED - RON WOODSHANK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LOCATION MAP - RURAL	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = #SCALE#	DRAWN - RON WOODSHANK	REVISED -			40 & 330	D3 INTERMITTENT RS 2012-2	KANKAKEE	22	9
	PLOT DATE = #DATE#	CHECKED -	REVISED -			CONTRACT NO. 66B46				
		DATE -	REVISED -	SCALE: _____ SHEET NO. 1 OF 2 SHEETS		STA. _____ TO STA. _____		ILLINOIS FED. AID PROJECT		



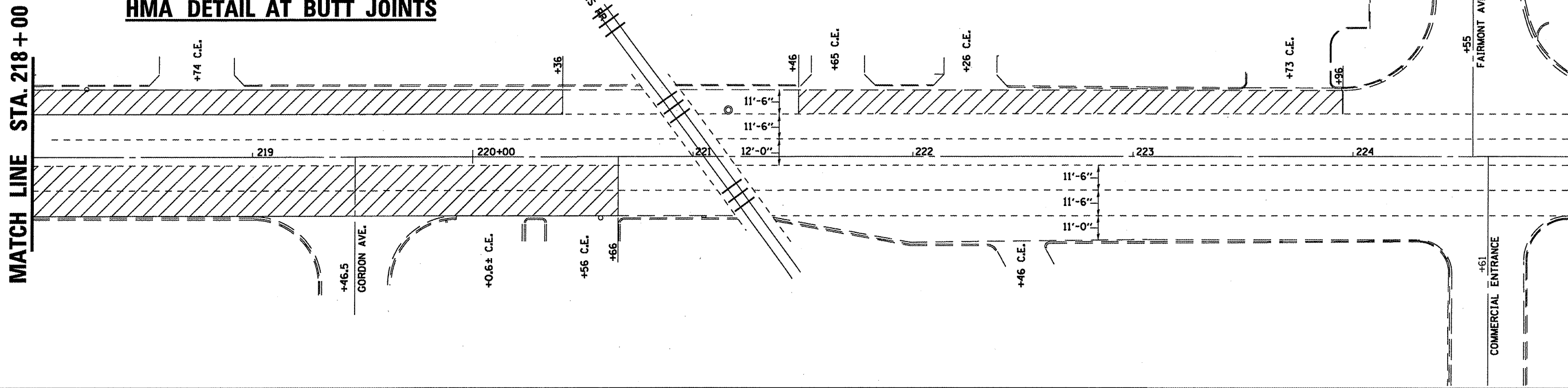
MATCH LINE STA. 218+00



NOTE:
 WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE,
 THEN A SAW CUT SHALL BE USED TO MANUFACTURE
 A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL.
 THE ENGINEER SHALL BE THE SOLE JUDGE
 CONCERNING THE USE OF THIS DETAIL.

HMA SURFACE REMOVAL 2 1/4"
 POLYMERIZED LEVELING BINDER (MM), N50 3/4"
 POLYMERIZED HMA SURFACE CSE, MIX D, N90 1 1/2"

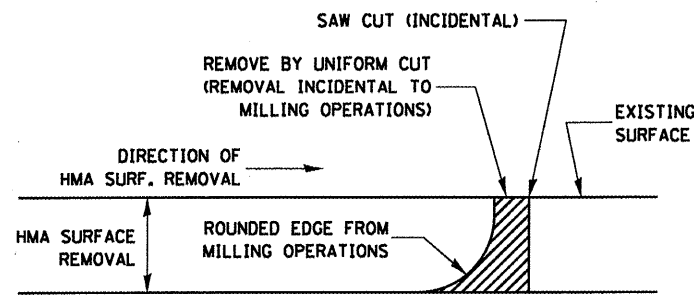
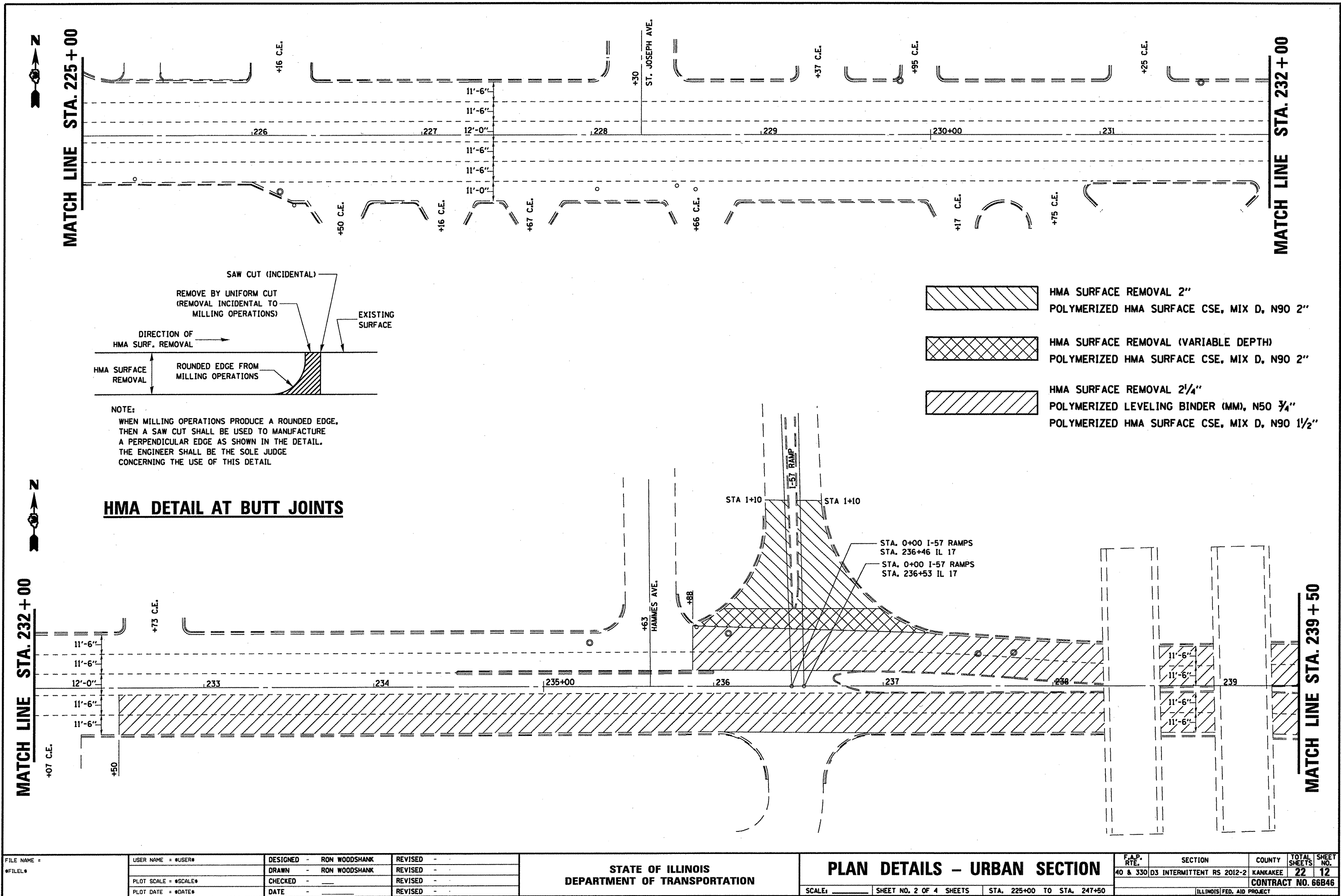
HMA DETAIL AT BUTT JOINTS



MATCH LINE STA. 218+00

MATCH LINE STA. 225+00

FILE NAME =	USER NAME = #USER#	DESIGNED - RON WOODSHANK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN DETAILS - URBAN SECTION	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#		DRAWN - RON WOODSHANK	REVISED -			40 & 330	03 INTERMITTENT RS 2012-2	KANKAKEE	22	11	
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -			SCALE: _____ SHEET NO. 1 OF 4 SHEETS STA. 211+00 TO STA. 225+00					
	PLOT DATE = #DATE#	DATE -	REVISED -			CONTRACT NO. 66B46 ILLINOIS FED. AID PROJECT					



NOTE:
 WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE, THEN A SAW CUT SHALL BE USED TO MANUFACTURE A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE USE OF THIS DETAIL.

HMA DETAIL AT BUTT JOINTS

- HMA SURFACE REMOVAL 2"
- POLYMERIZED HMA SURFACE CSE, MIX D, N90 2"
- HMA SURFACE REMOVAL (VARIABLE DEPTH)
- POLYMERIZED HMA SURFACE CSE, MIX D, N90 2"
- HMA SURFACE REMOVAL 2 1/4"
- POLYMERIZED LEVELING BINDER (MM), N50 3/4"
- POLYMERIZED HMA SURFACE CSE, MIX D, N90 1 1/2"

FILE NAME =	USER NAME = #USER*	DESIGNED - RON WOODSHANK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN DETAILS - URBAN SECTION	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#		DRAWN - RON WOODSHANK	REVISED -			40 & 330	D3 INTERMITTENT RS 2012-2	KANKAKEE	22	12	
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	PLOT DATE = #DATE*	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
					SCALE: _____	SHEET NO. 2 OF 4 SHEETS	STA. 225+00 TO STA. 247+50				



K-MART
PARKING LOT

FRONTAGE RD.

FRONTAGE RD.

+60.70 FRONTAGE RD.

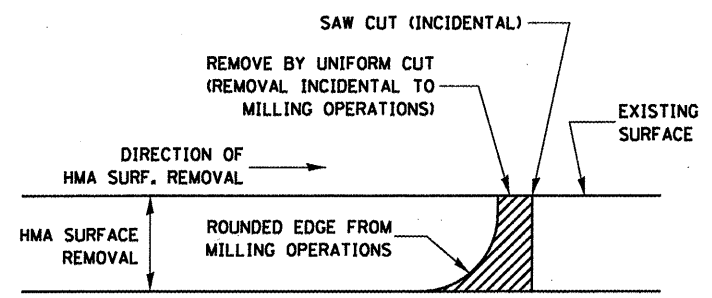
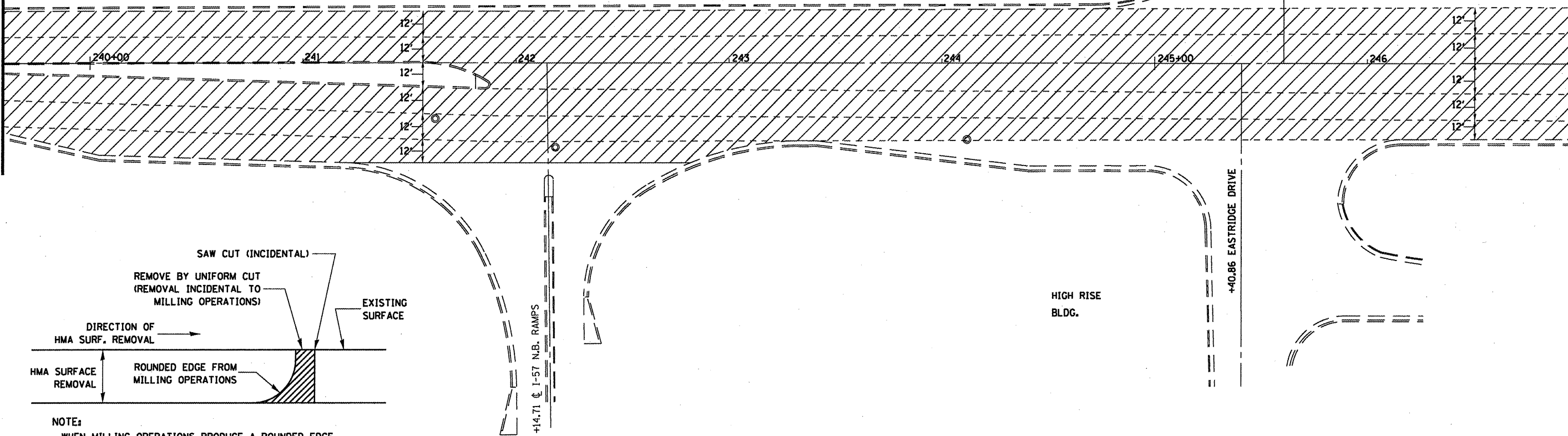
+40.86 EASTRIDGE DRIVE

HIGH RISE
BLDG.

+14.71 @ 1-57 N.B. RAMPS

MATCH LINE STA. 239 + 50

MATCH LINE STA. 247 + 00



NOTE:
 WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE,
 THEN A SAW CUT SHALL BE USED TO MANUFACTURE
 A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL.
 THE ENGINEER SHALL BE THE SOLE JUDGE
 CONCERNING THE USE OF THIS DETAIL



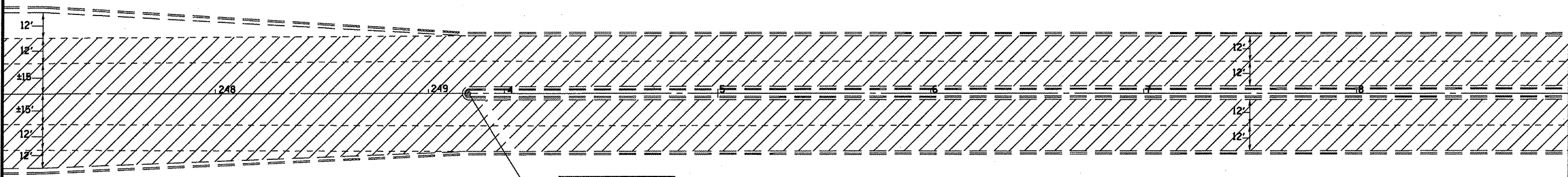
HMA SURFACE REMOVAL 2 1/4"
 POLYMERIZED LEVELING BINDER (MM), N50 3/4"
 POLYMERIZED HMA SURFACE CSE, MIX D, N90 1 1/2"

HMA DETAIL AT BUTT JOINTS



MATCH LINE STA. 247 + 00

MATCH LINE STA. 9 + 00

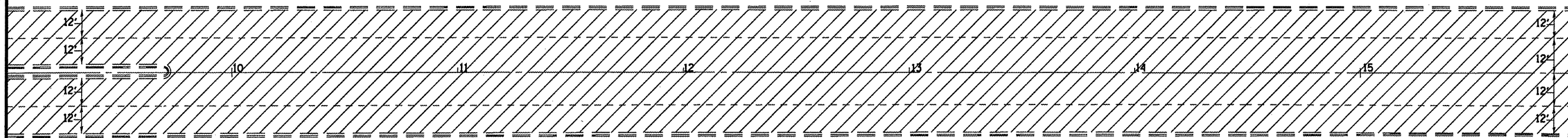


STA. 249+19.06 BK. =
 STA. 3+83.36 AH.

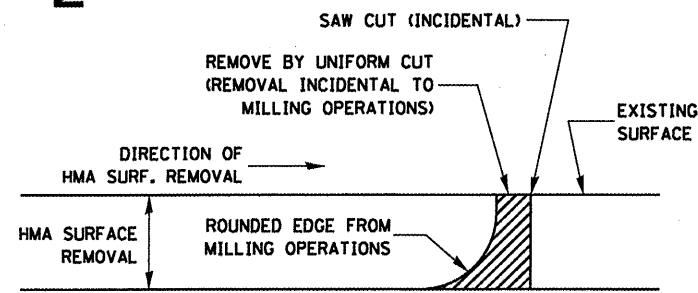
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#FILE#		DRAWN - RON WOODSHANK	REVISED -			40 & 330/D3	INTERMITTENT RS 2012-2	KANKAKEE	22	13	
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	PLOT DATE = #DATE#	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
					SCALE: _____	SHEET NO. 3 OF 4 SHEETS		STA. 247+50 TO STA. 9+00			



MATCH LINE STA. 9+00



MATCH LINE STA. 16+00



NOTE:

WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE, THEN A SAW CUT SHALL BE USED TO MANUFACTURE A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE USE OF THIS DETAIL

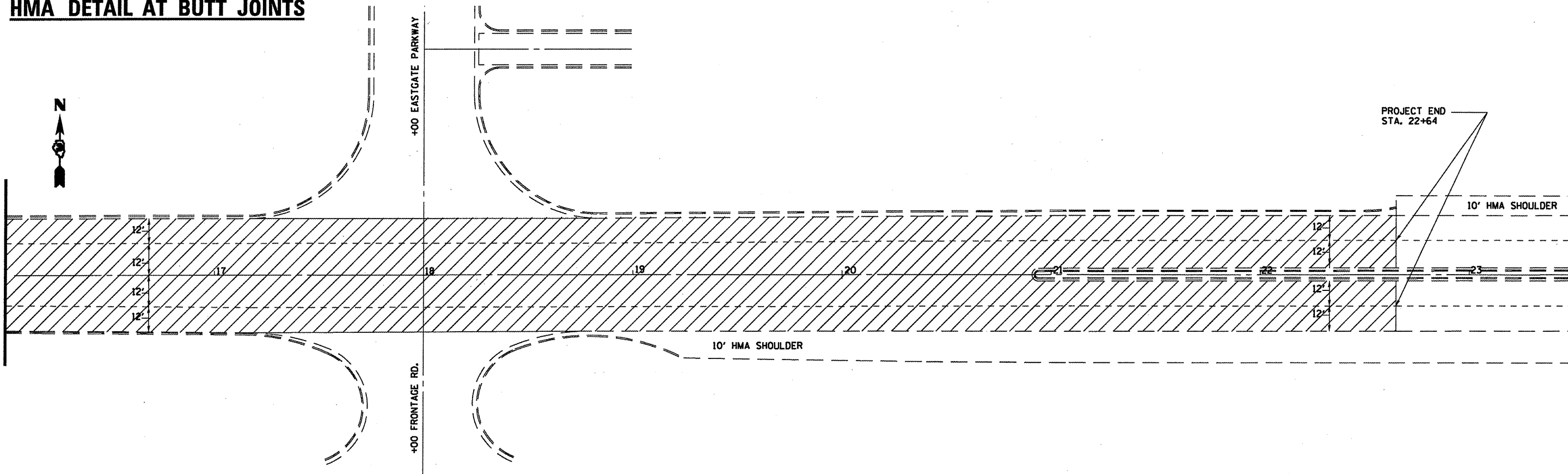


HMA SURFACE REMOVAL 2 1/4"
POLYMERIZED LEVELING BINDER (MM), N50 3/4"
POLYMERIZED HMA SURFACE CSE, MIX D, N90 1 1/2"

HMA DETAIL AT BUTT JOINTS



MATCH LINE STA. 16+00



FILE NAME =	USER NAME = #USER#
#FILE#	

DESIGNED - RON WOODSHANK	REVISIONS
DRAWN - RON WOODSHANK	REVISIONS
CHECKED -	REVISIONS
DATE -	REVISIONS

DESIGNED - RON WOODSHANK	REVISIONS
DRAWN - RON WOODSHANK	REVISIONS
CHECKED -	REVISIONS
DATE -	REVISIONS

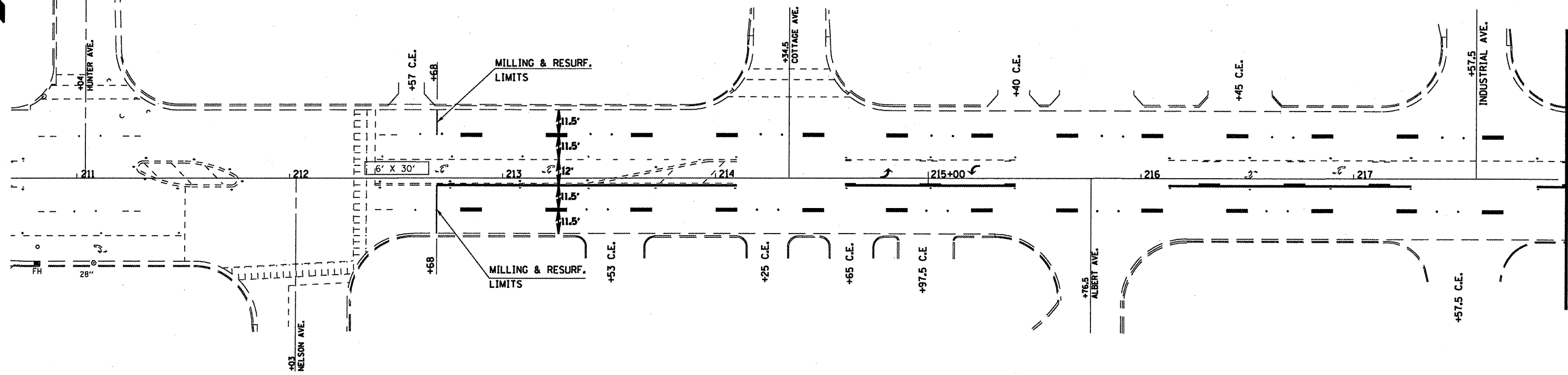
DESIGNED - RON WOODSHANK	REVISIONS
DRAWN - RON WOODSHANK	REVISIONS
CHECKED -	REVISIONS
DATE -	REVISIONS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

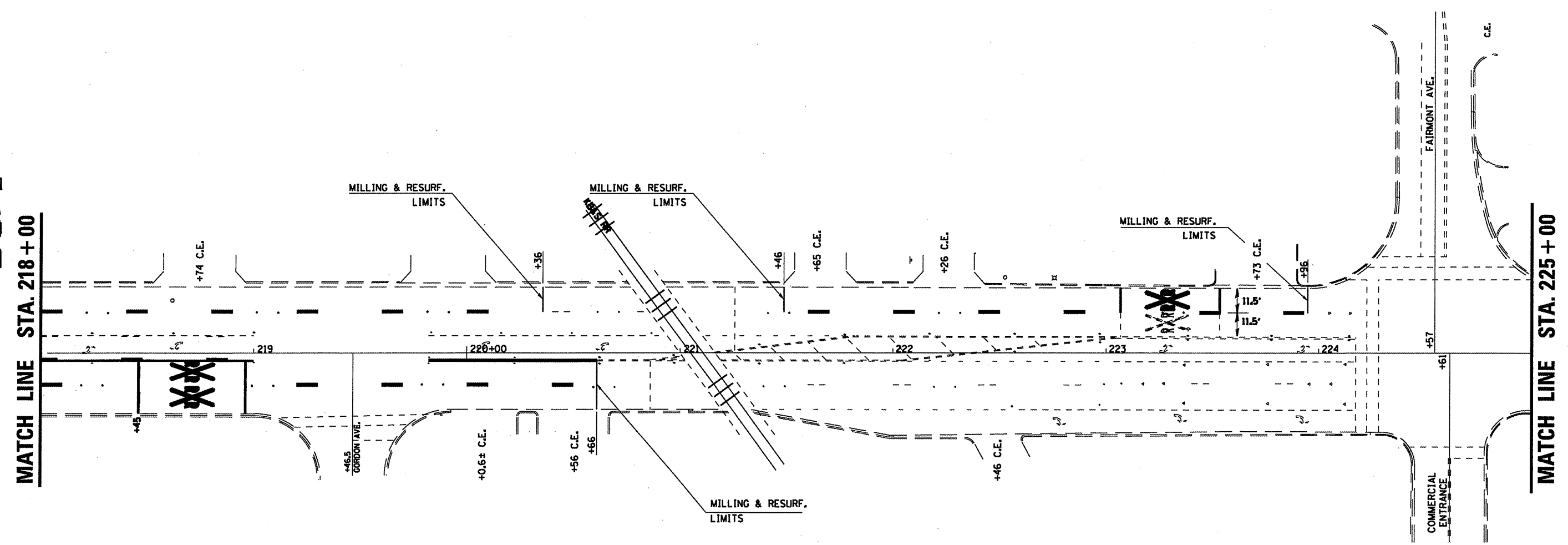
PLAN DETAILS - URBAN SECTION

SCALE: _____ SHEET NO. 4 OF 4 SHEETS STA. 9+00 TO STA. 22+64

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
40 & 330	D3 INTERMITTENT RS 2012-2	KANKAKEE	22	14
CONTRACT NO. 66B46				
ILLINOIS FED. AID PROJECT				



MATCH LINE STA. 218+00



MATCH LINE STA. 218+00

MATCH LINE STA. 225+00

FILE NAME =
#FILE#

USER NAME = #USER#
PLOT SCALE = #SCALE#
PLOT DATE = #DATE#

DESIGNED - RON WOODSHANK
DRAWN - RON WOODSHANK
CHECKED -
DATE -

REVISED -
REVISED -
REVISED -
REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

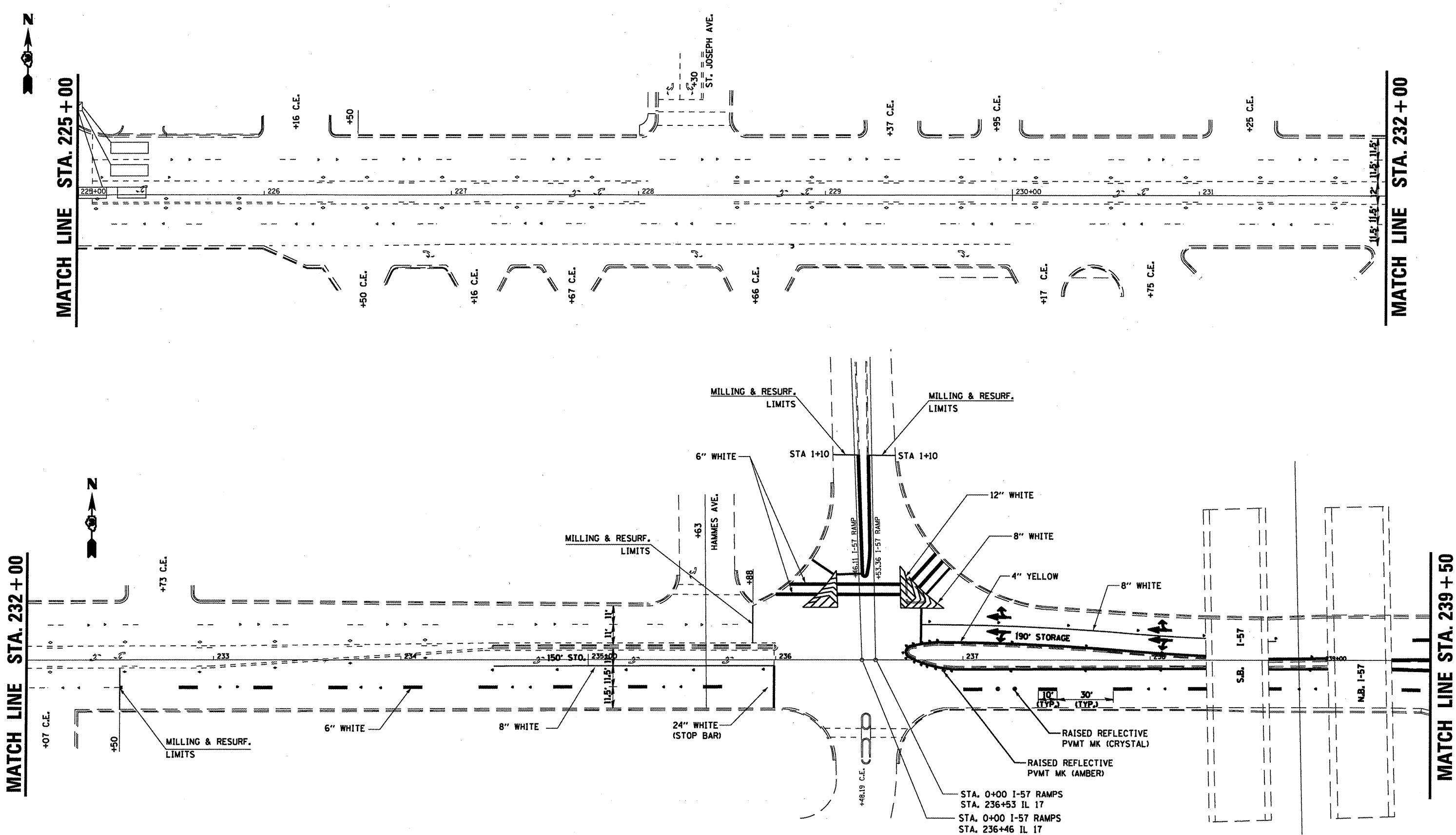
PAVEMENT MARKING-URBAN SECTION

SCALE: SHEET NO. 1 OF 4 SHEETS STA. 211+00 TO STA. 225+00

F.A.P. RTE. SECTION
40 & 330 D3 INTERMITTENT RS 2012-2

COUNTY	TOTAL SHEETS	SHEET NO.
KANKAKEE	22	15
CONTRACT NO. 66B46		

ILLINOIS FED. AID PROJECT



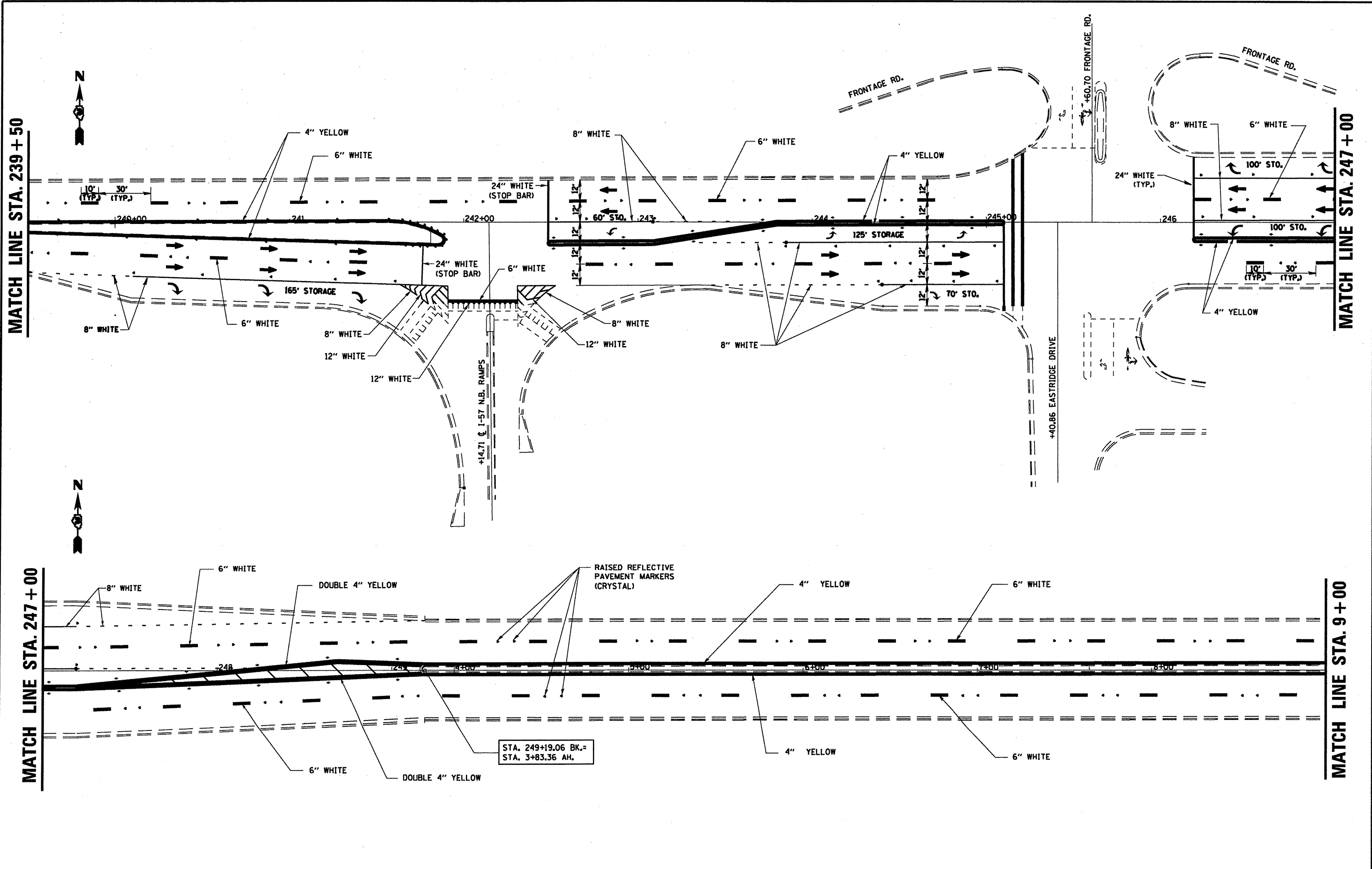
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	PLOT SCALE = *SCALE*	DRAWN - RON WOODSHANK	REVISED -			40 & 330	D3 INTERMITTENT RS 2012-2	KANKAKEE	22	16
PLOT DATE = *DATE*	DATE -	REVISIED -	REVISIED -	SCALE: _____	SHEET NO. 2 OF 4 SHEETS	STA. 225+00 TO STA. 239+50	CONTRACT NO. 66B46			
ILLINOIS FED. AID PROJECT										

MATCH LINE STA. 239+50

MATCH LINE STA. 247+00

MATCH LINE STA. 247+00

MATCH LINE STA. 9+00

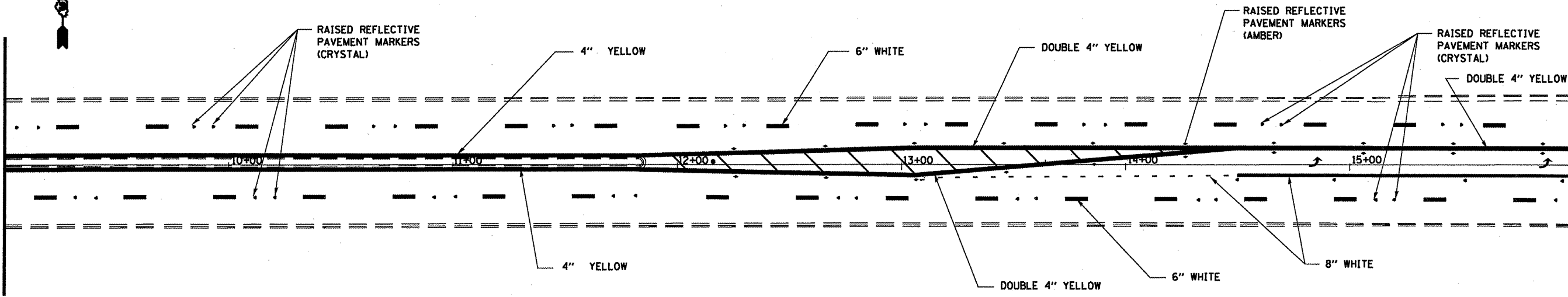


FILE NAME =	USER NAME = #USER#	DESIGNED - RON WOODSHANK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING-URBAN SECTION	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT DATE = #DATE#	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
					SCALE: _____	SHEET NO. 3 OF 4 SHEETS		STA. 239+50 TO STA. 9+00			



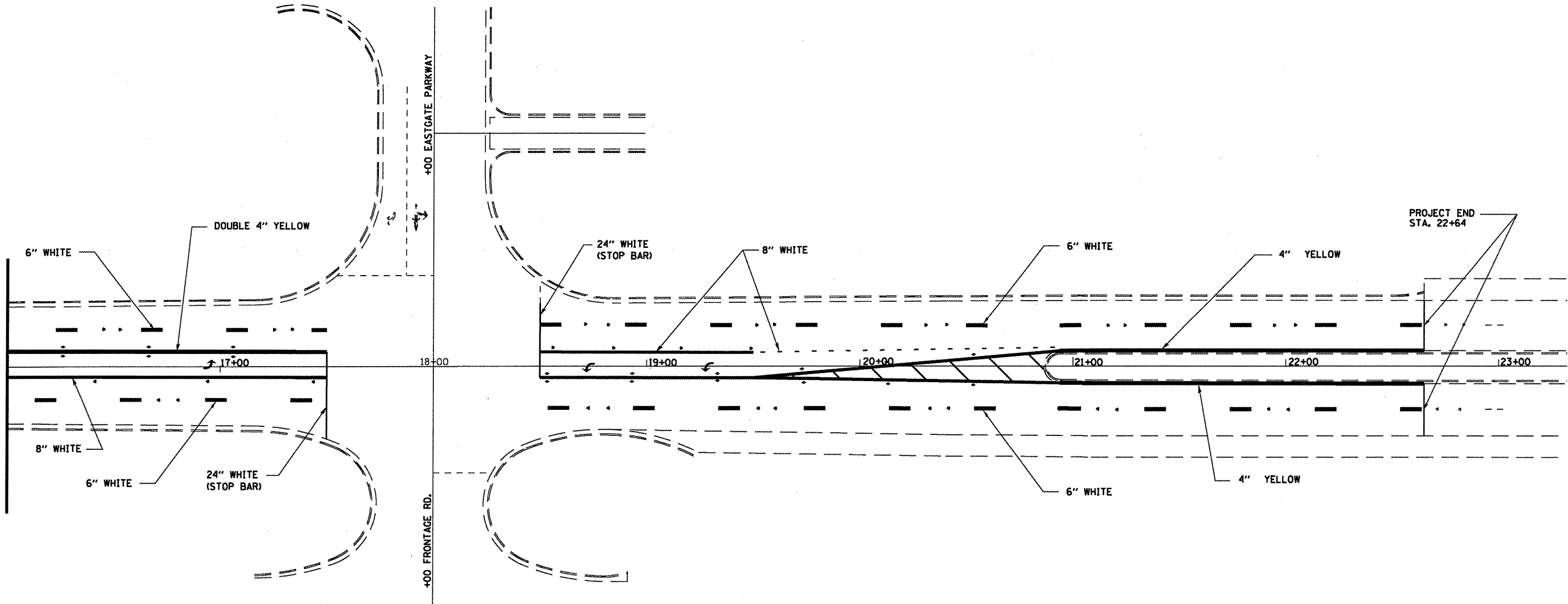
MATCH LINE STA. 9+00

MATCH LINE STA. 16+00



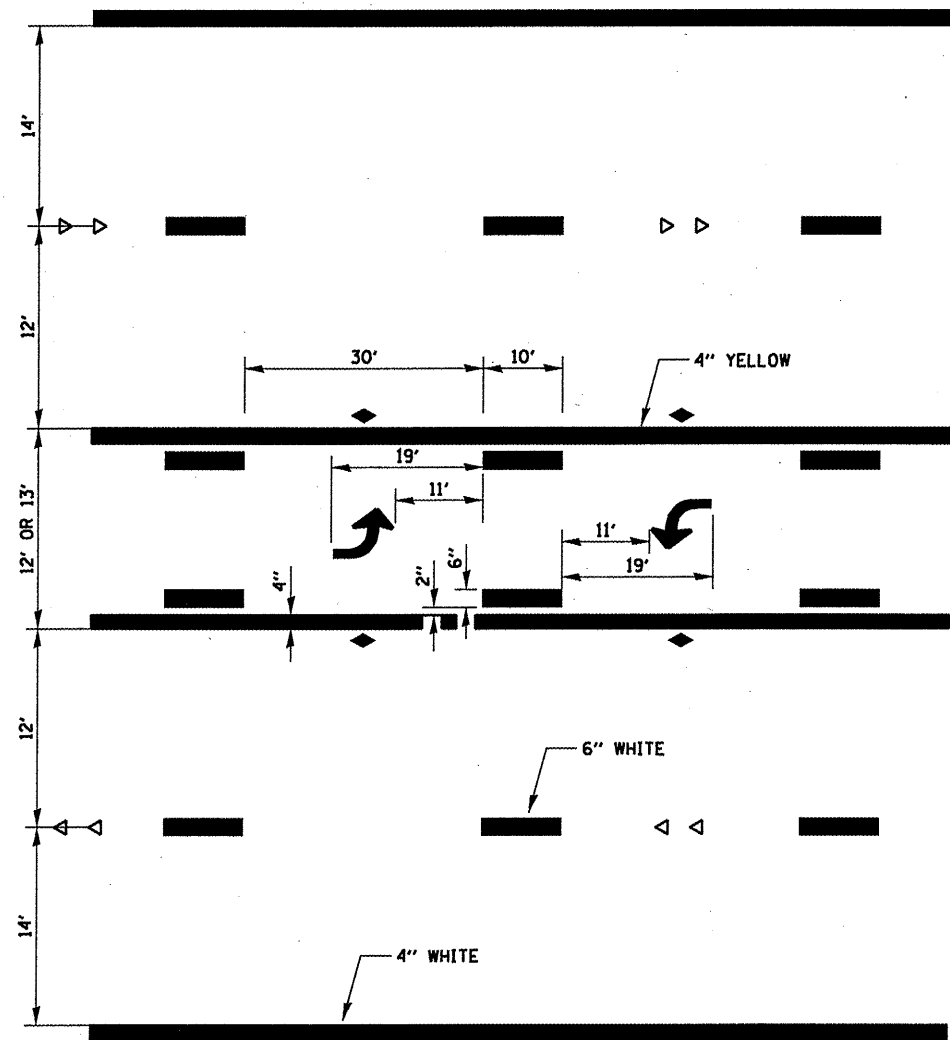
MATCH LINE STA. 16+00

PROJECT END STA. 22+64

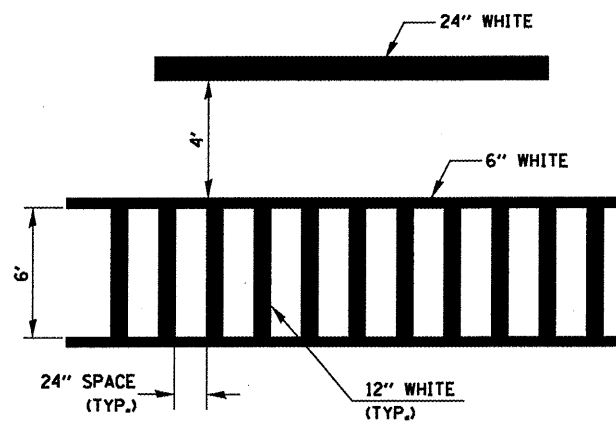


FILE NAME =	USER NAME = *USER*	DESIGNED - RON WOODSHANK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING-URBAN SECTION	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
FILE#		DRAWN - RON WOODSHANK	REVISED -			40 & 330	D3 INTERMITTENT RS 2012-2	KANKAKEE	22	18	
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PLOT DATE = *DATE*		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

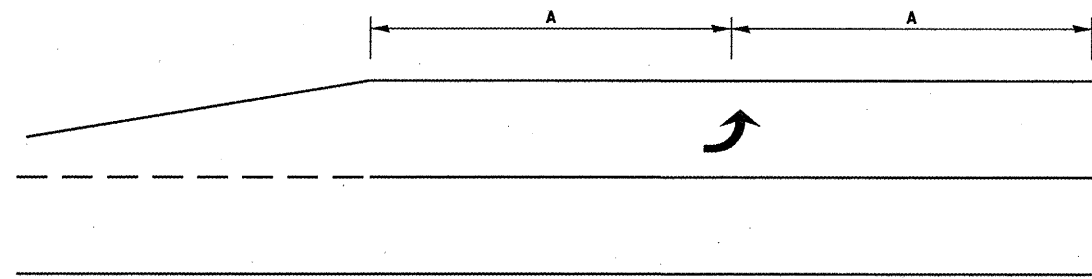
SCALE: _____ SHEET NO. 4 OF 4 SHEETS STA. 9+00 TO STA. 22+64



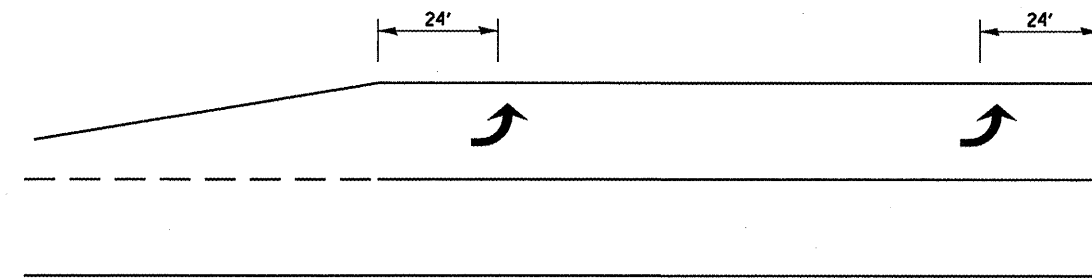
**TYPICAL APPLICATION
TWO WAY LEFT TURN LANE (TWLTL)**



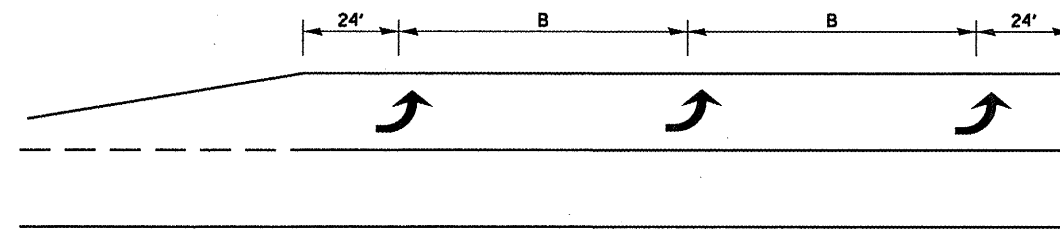
**TYPICAL SPACING DETAIL FOR
CROSSWALKS AND STOP BARS**



99' AND UNDER

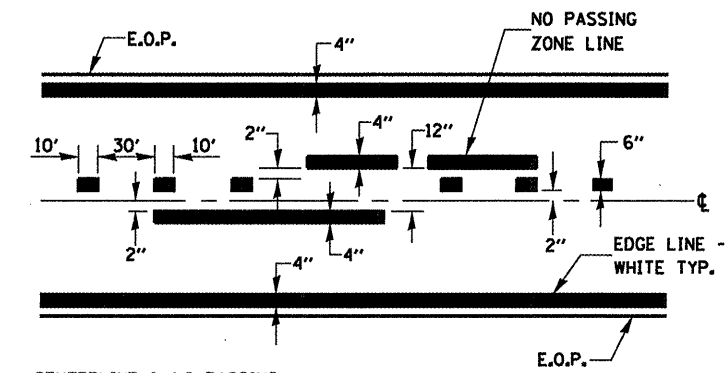


100' TO 149'



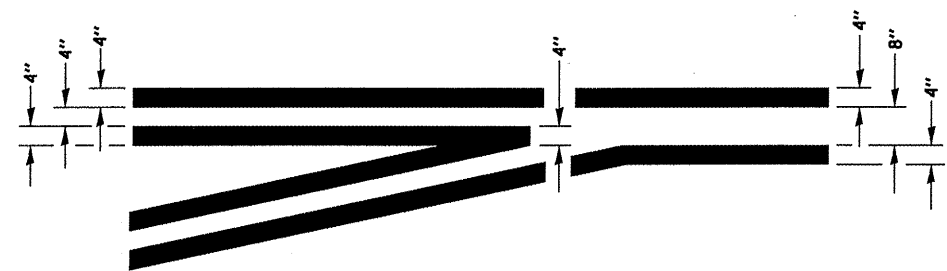
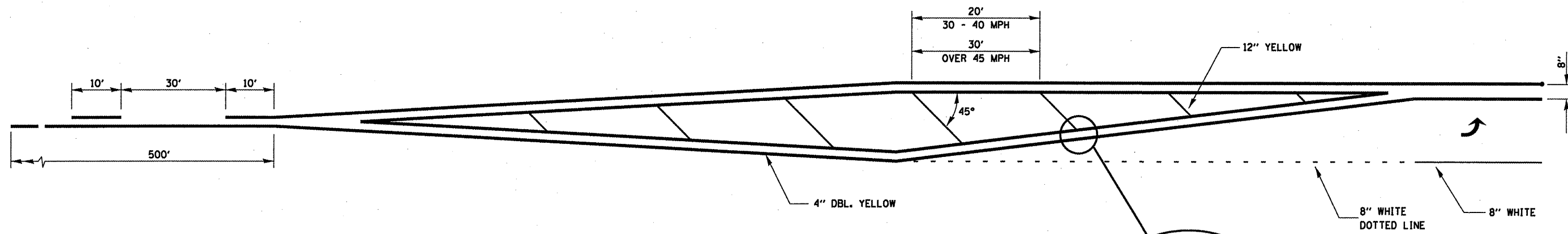
150' AND LONGER

**TYPICAL PLACEMENT OF ARROWS
IN TURN LANES**

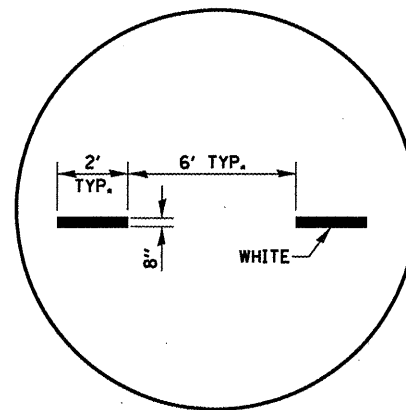
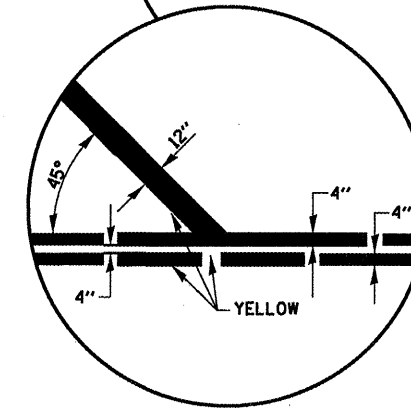


**CENTERLINE & NO PASSING
ZONE LINES - YELLOW**
(SEE TYPICAL SECTIONS)

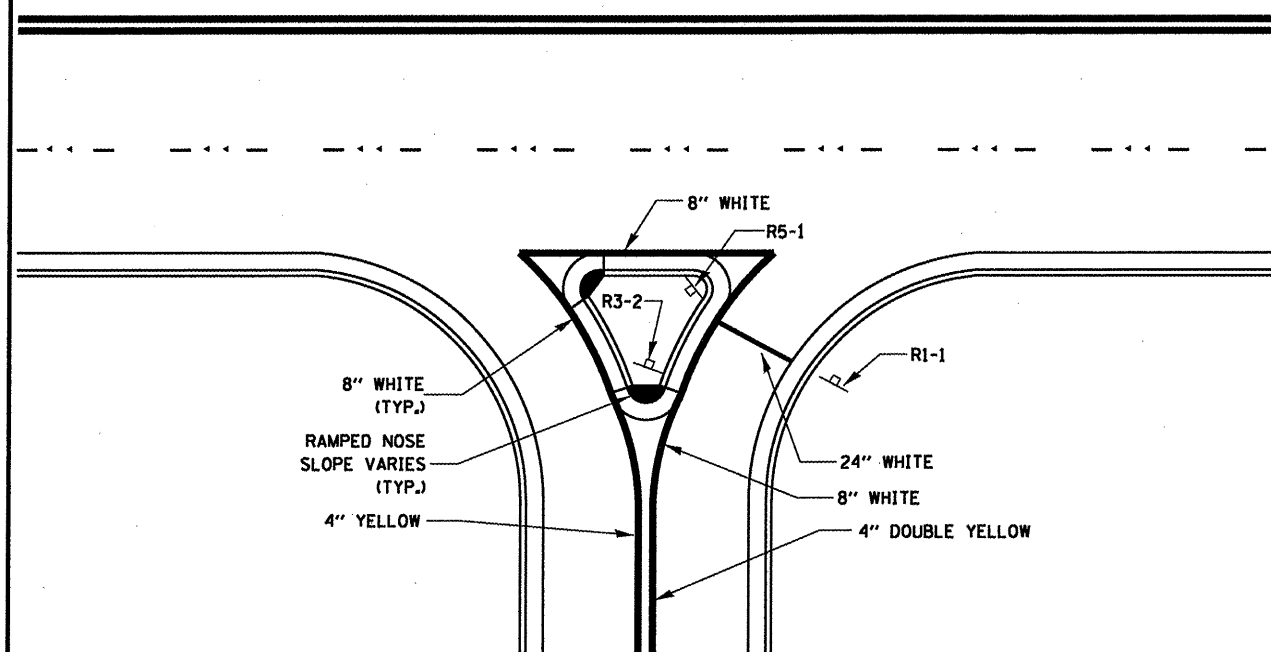
PAVEMENT MARKING



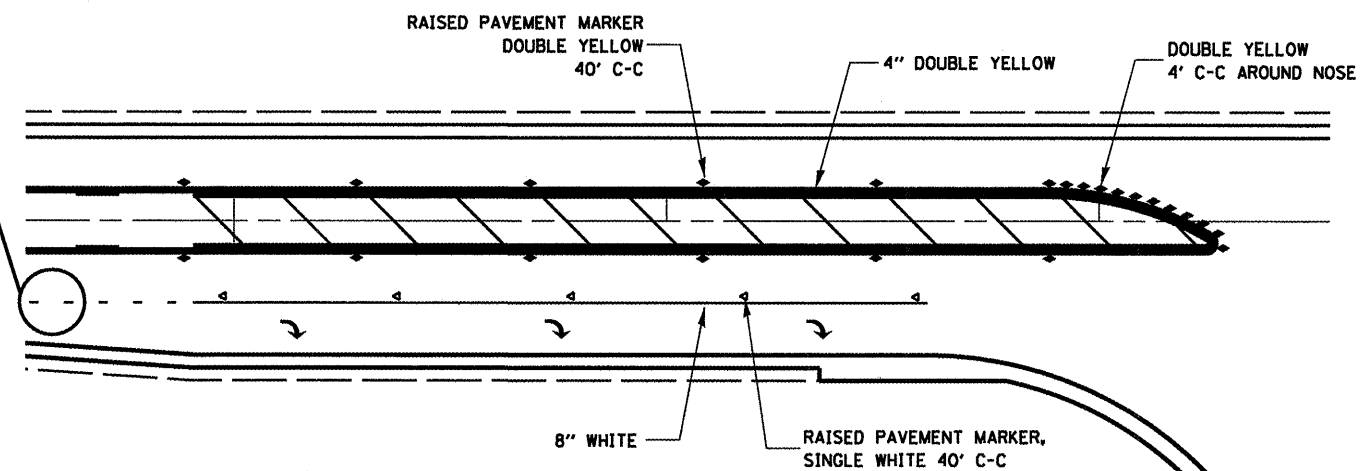
**TYPICAL APPLICATION
LEFT TURN LANES**



**ADVANCE AND INTERSECTION LANE
DIVIDER LINES**

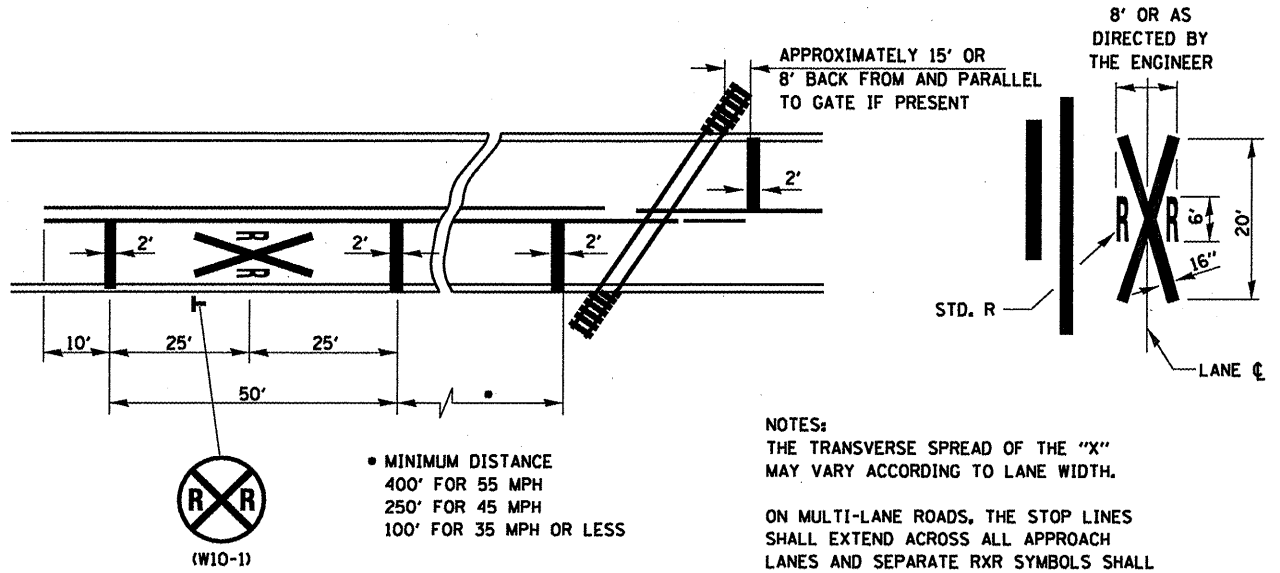
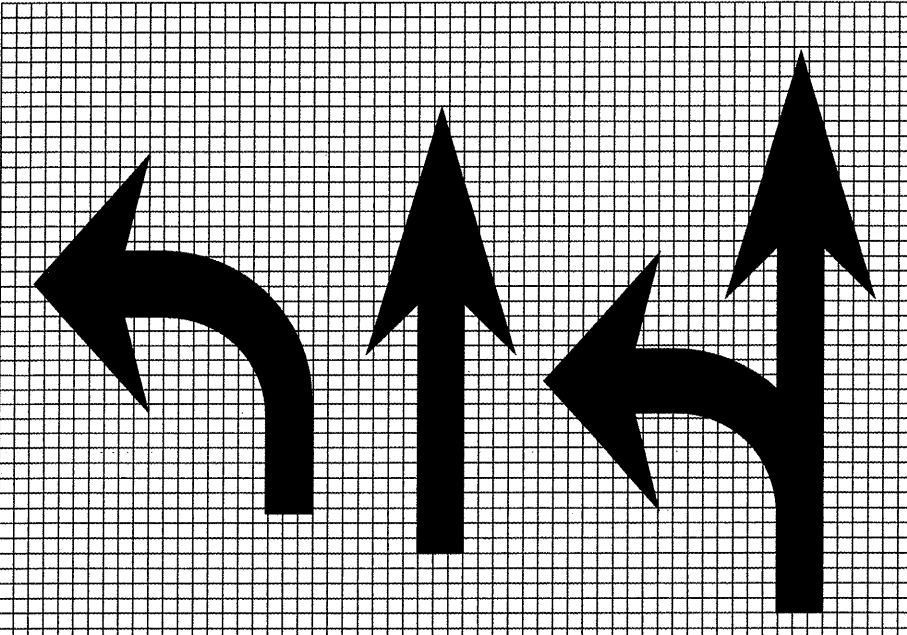
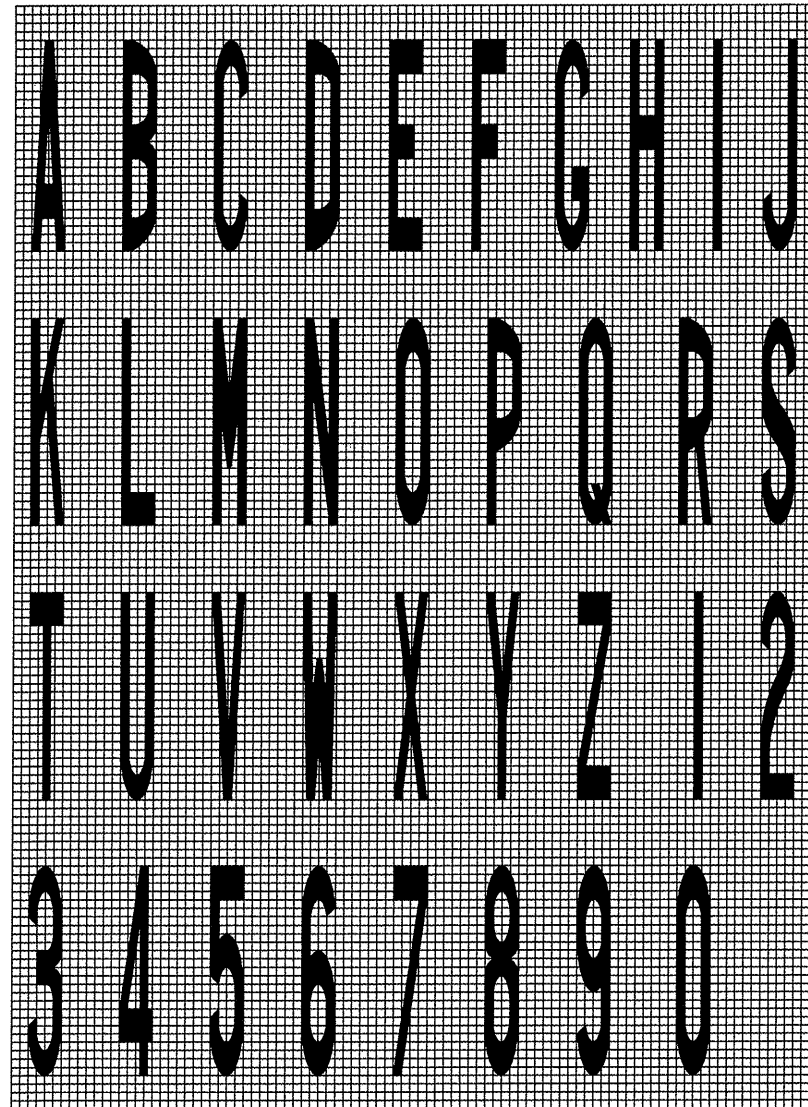


RIGHT IN RIGHT OUT ACCESS PAVEMENT MARKING



**RAISED REFLECTIVE AND PAVEMENT MARKERS
RIGHT TURN LANE**

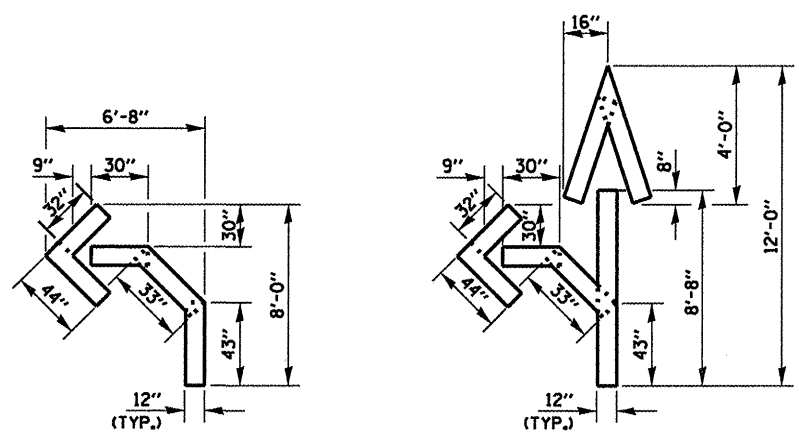
FILE NAME =	USER NAME = #USER#	DESIGNED - RON WOODSHANK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL PAVEMENT MARKINGS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#	DRAWN - RON WOODSHANK	REVISED -	40 & 330			D3	INTERMITTENT RS 2012-2	KANKAKEE	22	20	
PLOT SCALE = #SCALE#	CHECKED -	REVISED -	CONTRACT NO. 66B46								
PLOT DATE = #DATE#	DATE -	REVISED -	ILLINOIS FED. AID PROJECT								
					SCALE: _____	SHEET NO. 2 OF 3 SHEETS					



PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

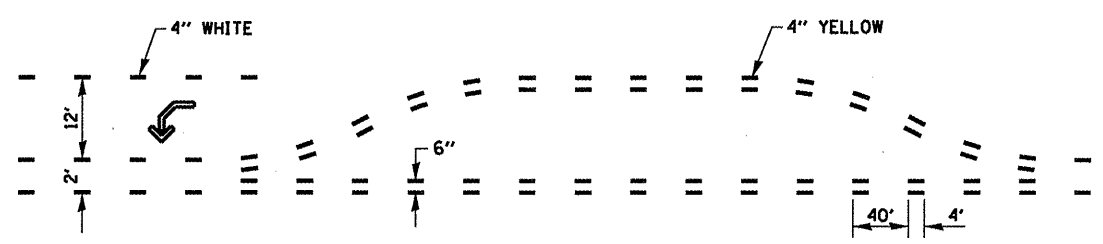
- MINIMUM DISTANCE
400' FOR 55 MPH
250' FOR 45 MPH
100' FOR 35 MPH OR LESS

NOTES:
THE TRANSVERSE SPREAD OF THE "X" MAY VARY ACCORDING TO LANE WIDTH.
ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE RXR SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.
WHEN THE PAVEMENT MARKING SYMBOL IS USED, A PORTION OF THE SYMBOL SHOULD BE LOCATED DIRECTLY ADJACENT TO THE ADVANCE WARNING SIGN (W10-1).



QUANTITY
12" LINE = 16 LIN. FT.
OR 4" LINE = 48 LIN. FT.

QUANTITY
12" LINE = 29 LIN. FT.
OR 4" LINE = 87 LIN. FT.



SHORT-TERM PAVEMENT MARKING FOR MEDIANS AND ARROWS

LEGEND HEIGHT	ARROW SIZE	Q
6'	SMALL	2.9
8'	LARGE	3.8

THE SPACE BETWEEN ADJACENT LETTERS OR NUMERALS SHOULD BE APPROXIMATELY 3' FOR 6' LEGEND AND 4' FOR 8' LEGEND.

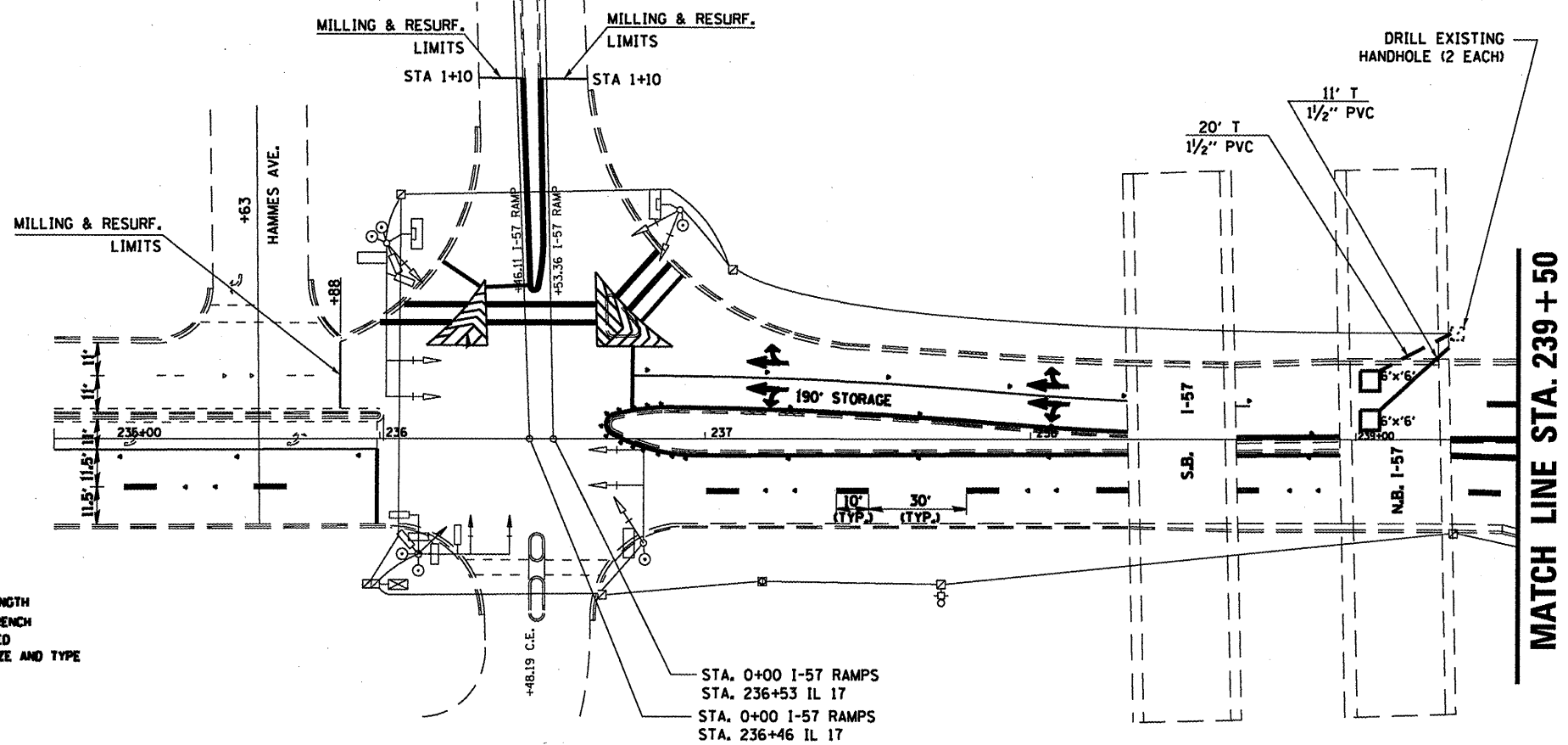
LETTER AND ARROW GRID SCALE

NOTES

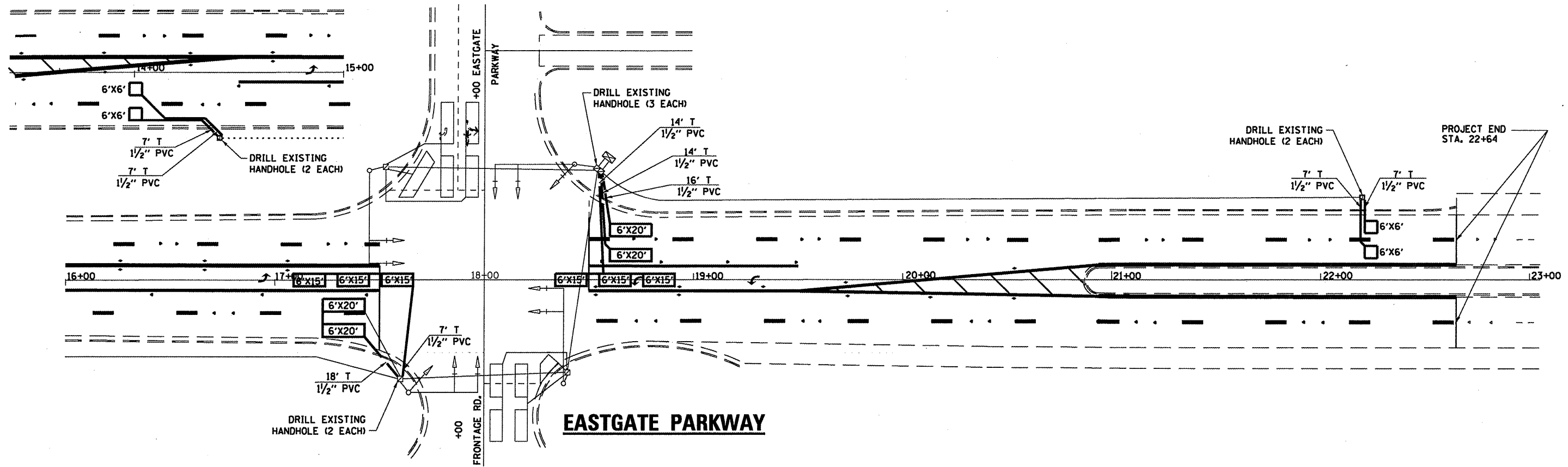
1. PLACE DETECTOR LOOP IN BINDER OR MILLED SURFACE.
2. DETECTOR LOOPS SHALL HAVE FOUR (4) TURNS, ADVANCE WARNINGS SHALL HAVE SIX (6) TURNS.
3. EXISTING DETECTOR LOOPS SHALL BE SAW CUT AND ABANDONED.
4. THE DEPARTMENT OF TRANSPORTATION (815-434-8506) SHALL BE NOTIFIED AT LEAST SEVENTY-TWO (72) HOURS PRIOR TO THE LAYOUT OF THE DETECTOR LOOP.
5. THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ANY WORK IS STARTED.
6. EACH DETECTOR LOOP SHALL HAVE AN INDIVIDUAL CONDUIT STUB.
7. THE DETECTOR LOOP CABLE FROM THE END OF THE SAW CUT TO THE SPLICE IN THE HANDHOLE SHALL BE CONSIDERED INCLUDED IN THE COST OF THE DETECTOR LOOP.

TRAFFIC SIGNALS LEGEND

EXISTING	EXISTING	PROPOSED	PROPOSED



SOUTHBOUND RAMPS



EASTGATE PARKWAY

FILE NAME =	USER NAME = #USER*	DESIGNED - RON WOODSHANK	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL DETECTOR LOOPS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN - RON WOODSHANK	REVISED -			40 & 330	D3 INTERMITTENT RS 2012-2	KANKAKEE	22	22
		PLOT SCALE = #SCALE*	REVISED -			CONTRACT NO. 66B46				
		PLOT DATE = #DATE*	REVISED -	ILLINOIS FED. AID PROJECT						