CONTRACT# 66433

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108,109)RS-4	KENDALL	34	1
F.A.M.A. REG.		ILLINOIS PROJECT		

INDEX OF SHEETS

HIGHWAY STANDARDS

000001-04	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
667101	PERMANENT SURVEY MARKERS
701001-01	OFF-ROAD OPERATIONS 2L, 2W, MORE THAN 15' AWAY
701006-02	OFF-ROAD OPERATIONS 2L, 2W 15' TO 24' FROM PAVEMENT EDGE
701011-01	OFF-ROAD MOVING OPERATIONS 2L, 2W DAY ONLY
701101-01	OFF-ROAD OPERATIONS, MULTILANE 15' TO 24' FROM PAVEMENT EDGE
701301-02	LANE CLOSURE 2L, 2W SHORT TIME OPERATIONS
701311-02	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701501-03	URBAN LANE CLOSURE 2L, 2W UNDIVIDED
701502-01	URBAN LANE CLOSURE 2L, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701601-04	URBAN LANE CLOSURE 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701701-04	URBAN LANE CLOSURE MULTILANE INTERSECTION
702001-06	TRAFFIC CONTROL DEVICES
780001-01	TYPICAL PAVEMENT MARKINGS
781001-02	TYPICAL APPLICATIONS, RAISED REFLECTIVE PAVEMENT MARKERS
886001	DETECTOR LOOP INSTALLATIONS
886006	TYPICAL LAYOUT FOR DETECTOR LOOPS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PLANS FOR PROPOSED
FEDERAL AID HIGHWAY

F.A.P. ROUTE 326 (IL 47)
SECTION (108, 109)RS–4
PROJECT F-0326(066)
KENDALL COUNTY
C–93–035–04
INTERMITTENT RESURFACING IL. 47
NORTH OF US ROUTE 34 TO
NORTH OF ILLINOIS ROUTE 126

D–93–034–04

LOCATION OF SECTION INDICATED THUS: ▬

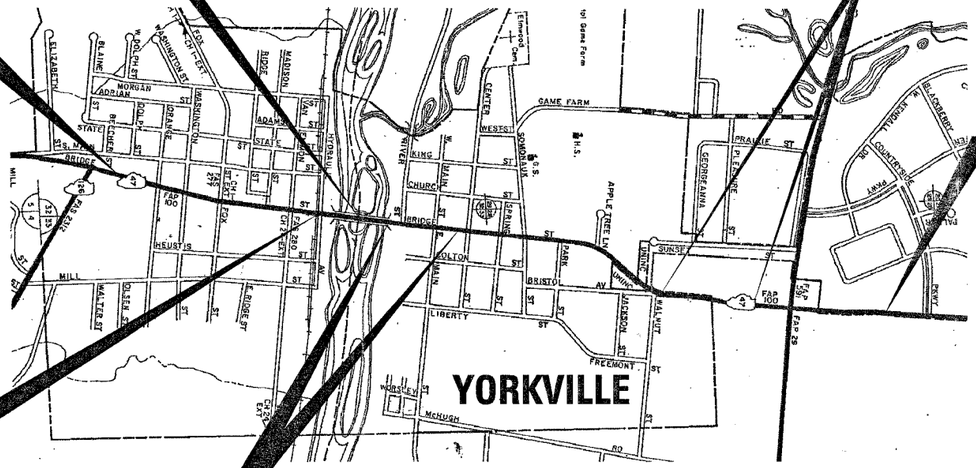
FUNCTION CLASSIFICATION
RURAL OTHER PRINCIPAL ARTERIAL
2006 ADT = 31,750
P.V. = 87.8% S.U. = 6.1% M.U. = 6.1%

BRIDGE REPAIRS
SN 047–0048

PAVEMENT OMISSION
STA. 22+249 TO STA. 22+565

BEGIN IMPROVEMENT
STA. 20+213

END IMPROVEMENT
STA. 22+980



RAILROAD OMISSION
STA. 20+930.5

PAVEMENT OMISSION
STA. 20+188.7 TO STA. 21+435

LOCATION MAP
NOT TO SCALE

GROSS LENGTH = 2767 M = 2.767 KM
NET LENGTH = 2202 M = 2.202 KM

MICROFILMED _____
REEL NUMBER _____
AWARDED _____
RESIDENT ENGINEER _____
AS BUILT CHANGES WERE MADE
ON THE FOLLOWING SHEETS _____

JULIE 1-800-892-0123

DISTRICT 3 NO. (815) 434–6131

PROJECT ENGINEER: DAVE BROVIAK
UNIT CHIEF: BRAD DUNCAN
TOWNSHIP: BRISTOL,KENDALL

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED March 19 2007
George Rayman
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
May 11, 2007
Eric E. Harm, P.E.
Interim ENGINEER OF DESIGN AND ENVIRONMENT
May 11, 2007
Milton R. Sees, P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

CONTRACT NO. 66433

FEBRUARY 23, 2006
..\1703\CAD\SHTCVR.DGN

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108,109)RS4	KENDALL	34	2
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT# 66433

GENERAL NOTES

THE THICKNESS OF HMA MIXTURES 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 MIXTURE 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

AGGREGATE (PRIME COAT): FA 20 MAY BE USED IN ADDITION TO THE GRADATIONS LISTED IN THE 3RD PARAGRAPH OF ARTICLE 1003.03(c) OF THE STANDARD SPECIFICATIONS.

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

WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL MONUMENTS UNTIL AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR REESTABLISH ANY SECTION OR SUBSECTION MONUMENTS DESTROYED BY HIS OPERATIONS.

SHORT TERM PAVEMENT MARKING SHALL BE USED TO OUTLINE EXIT AND ENTRANCE RAMPS FOR THE PRIME COAT APPLICATION AND EACH RESURFACING LIFT.

ON EXISTING PAVEMENT WHICH MAY BE SUPERELEVATED, THE NEW BITUMINOUS 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 INCLUDED IN THESE PLANS.

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

GRANULAR MATERIALS	2.43	M TONS / CU M
BITUMINOUS MAT PRIME COAT	0.35 1.7	LITERS / SQ M OR LITERS / SQ M
AGGREGATE PRIME COAT	0.002	M TONS / SQ M
HMA RESURFACING	59.8	Kg / SQ M / 25 mm
SHORT TERM PAVEMENT MARKING	10	M / 100 M OF APPLICATION
MIX FOR CRACKS, JTS & FLGWYS	0.0003	M TONS / SQ M
LEVEL BINDER (HAND METHOD)	0.0005	M TONS / SQ M

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

COMMITMENTS

THIS PROJECT WILL REQUIRE NIGHTTIME WORK (7 PM TO 5 AM). ALL WORK REQUIRING A LANE CLOSURE THAT REDUCES IL 47 OR US 34 DOWN TO ONE LANE, EXCEPT FOR THE WORK ON SN 047-0043, SHALL BE PERFORMED AT NIGHT. A COMMITMENT WAS MADE TO THE CITY OF YORKVILLE TO CONTACT JOE WYWROT (630-553-8527) OR ERIC DHUSE (630-553-4370) TWO WEEKS PRIOR TO THE START OF ANY WORK REQUIRING NIGHTTIME CLOSURES.

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DISTRICT THREE

PREPARED BY: Rick Powell
DISTRICT STUDIES & PLANS ENGINEER

DATE: 4·24·06

EXAMINED BY:
DISTRICT CONSTRUCTION ENGINEER

DISTRICT OPERATIONS ENGINEER

DISTRICT MATERIALS ENGINEER

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GENERAL NOTES

SCALE: VERT. N.T.S. HORIZ.
DATE 04/16/04
DRAWN BY MAP
CHECKED BY RRM

CONTRACT NO. 66433

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108,109)RS4	KENDALL	34	3
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES

	CODE NO.	ITEM	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION CODE TYPE: I000-2A 80% FED. 20% STATE	CONSTRUCTION CODE TYPE: SFTY-2A 80% FED. 20% STATE SN 047-0048
	66700205	PERMANENT SURVEY MARKERS, TYPE 1	EACH	9	9	
	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	2	2	
	67100100	MOBILIZATION	L SUM	1	1	
	70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1	
	70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	1	
	70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1	1	
	70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1	
	70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	5	5	
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	463	463	
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	463	463	
*	87900200	DRILL EXISTING HANDHOLE	EACH	3	3	
*	88500100	INDUCTIVE LOOP DETECTOR	EACH	37	37	
*	89502200	MODIFY EXISTING CONTROLLER	EACH	4	4	
	M2810807	STONE DUMPED RIPRAP, CLASS A4	M TON	73		73
	M4060100	BITUMINOUS MATERIALS (PRIME COAT)	LITER	11278	11278	
	M4060300	AGGREGATE (PRIME COAT)	MTON	66	66	
	M4060400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	MTON	9	9	
	M4060895	CONSTRUCTING TEST STRIP	EACH	1	1	
	M4060990	TEMPORARY RAMP	SQ M	486	486	
	M4062045	LEVELING BINDER (HAND METHOD), N90	MTON	15	15	
	M4063570	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX E, N90	MTON	2918	2918	
	M4080500	INCIDENTAL HOT-MIX ASPHALT SURFACING	MTON	222	222	
	M4400740	HOT-MIX ASPHALT SURFACE REMOVAL, 40MM	SQ M	32915	32915	
	M4816000	AGGREGATE WEDGE SHOULDER, TYPE B	M TON	34	34	
	MX033694	STRUCTURAL REPAIR OF CONCRETE (DEPTH EQUAL TO OR LESS THAN 125 MM)	SQ M	3.2		3.2
	M5200500	NEOPRENE EXPANSION JOINT 100MM	METER	2		2
	M7030100	SHORT-TERM PAVEMENT MARKING	METER	2559	2559	

*SPECIALTY ITEMS

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: VERT. HORIZ.
DATE

DRAWN BY
CHECKED BY

CONTRACT NO. 66433

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108,109)RS4	KENDALL	34	4
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SUMMARY OF QUANTITIES (CONT.)

	CODE NO.	ITEM	UNIT	URBAN TOTAL QUANTITY	CONSTRUCTION CODE TYPE: 1000-2A 80% FED. 20% STATE	CONSTRUCTION CODE TYPE: SFTY-2A 80% FED. 20% STATE SN 047-0048
	M7030610	TEMPORARY PAINT PAVEMENT MARKING - LETTERSAND SYMBOLS	SQ M	99.24	99.24	
	M7030620	TEMPORARY PAINT PAVEMENT MARKING LINE 100MM	METER	3977	3977	
	M7030630	TEMPORARY PAINT PAVEMENT MARKING LINE 150MM	METER	226	226	
	M7030635	TEMPORARY PAINT PAVEMENT MARKING LINE 200MM	METER	503	503	
::	M7030640	TEMPORARY PAINT PAVEMENT MARKING LINE 300MM	METER	401	401	
	M7030650	TEMPORARY PAINT PAVEMENT MARKING LINE 600MM	METER	132	132	
	M7031000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ M	113	113	
*	M7800100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ M	100.71	100.71	
*	M7800105	THERMOPLASTIC PAVEMENT MARKING - LINE 100MM	METER	7307	7307	
*	M7800115	THERMOPLASTIC PAVEMENT MARKING - LINE 150MM	METER	568	568	
*	M7800120	THERMOPLASTIC PAVEMENT MARKING - LINE 200MM	METER	812	812	
*	M7800125	THERMOPLASTIC PAVEMENT MARKING - LINE 300MM	METER	599	599	
*	M7800140	THERMOPLASTIC PAVEMENT MARKING - LINE 600MM	METER	178	178	
*	M8100240	CONDUIT IN TRENCH, 30MM DIA., PVC	METER	30	30	
*	M8190200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	METER	30	30	
*	M8731300	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	METER	269	269	
*	M8860100	DETECTOR LOOP, TYPE I	METER	1139	1139	
	MX032179	SILICONE JOINT SEALER, 25MM	METER	189		189
	MZ016001	DECK SLAB REPAIR (FULL DEPTH, TYPE I)	SQ M	3.4		3.4
	MZ016200	DECK SLAB REPAIR (PARTIAL)	SQ M	0.4		0.4
	Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1	
*	X8860100	LOOP DETECTOR TESTING	EACH	4	4	

* SPECIALTY ITEMS

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

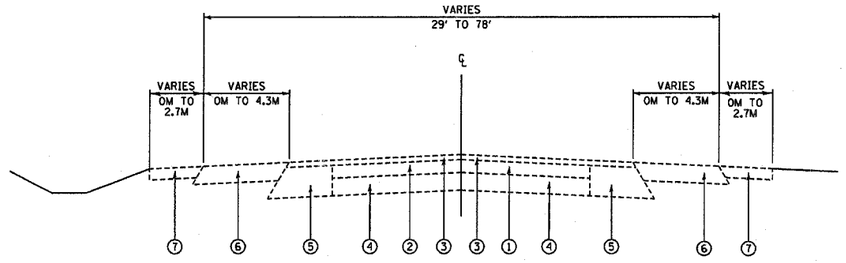
SUMMARY OF QUANTITIES

SCALE: VERT. HORIZ.
DATE

DRAWN BY
CHECKED BY

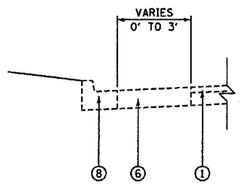
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108,109)RS4	KENDALL	34	5
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT# 66433



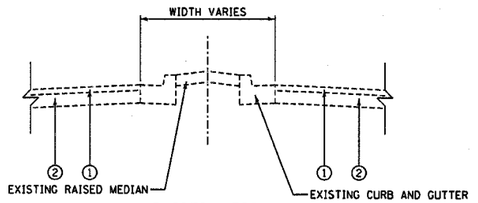
EXISTING TYPICAL SECTION

STA. 20+213 TO STA. 20+899
STA. 20+899 TO STA. 21+435 OMISSION
STA. 21+435 TO STA. 22+249
STA. 22+249 TO STA. 22+565 OMISSION
STA. 22+565 TO STA. 22+980



CURBED SECTION

(OPPOSITE FOR RIGHT SIDE)
LOCATIONS VARY SEE PLANS



RAISED MEDIAN

STA. 20+960.9 TO STA. 20+999.3
STA. 22+621.7 TO 22+684.9 AND STA. 22+715.3 TO 22+791.4 ADJACENT TO LEFT TURN LANE
US ROUTE 34 LT & RT

① EXISTING HOT-MIX ASPHALT SURFACE

② EXISTING HOT-MIX ASPHALT PAVEMENT

③ EXISTING HMA OVERLAY DEPTH VARIES 35MM TO 50MM AND LEVELING BINDER VARIOUS LOCATIONS, 16MM

④ EXISTING P.C.C. PAVEMENT

⑤ EXISTING HOT-MIX ASPHALT WIDENING

⑥ EXISTING HOT-MIX ASPHALT SHOULDER

⑦ EXISTING AGGREGATE SHOULDER

⑧ EXISTING P.C.C. CONCRETE CURB AND GUTTER, TYPE B15.60

EXISTING TYPICAL SECTION INFORMATION HAS BEEN TAKEN FROM EXISTING PLANS PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION. EXISTING PLANS WERE NOT AVAILABLE FOR THE ENTIRE PROJECT LENGTH. NO PAVEMENT CORES WERE TAKEN OR ANALYZED AS PART OF THIS PROJECT. AN ACCURATE DEPICTION OF EXISTING CONDITIONS HAS BEEN PROVIDED TO THE GREATEST EXTENT POSSIBLE. THE CONTRACTOR SHALL REPORT TO THE ENGINEER ANY DISCREPANCIES CONCERNING THE EXISTING CONDITIONS THAT IMPACT THE PROSECUTION OF THE CONTRACT IMMEDIATELY UPON DISCOVERY.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

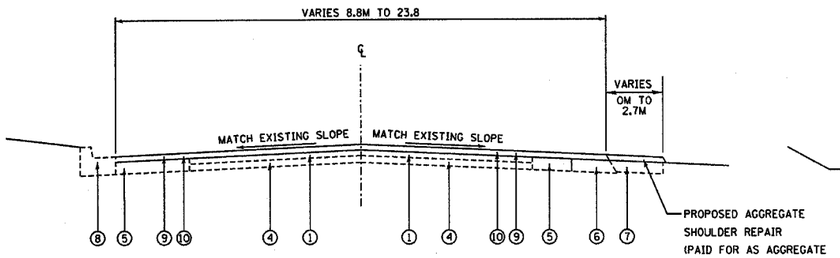
TYPICAL SECTIONS
ILLINOIS ROUTE 47

SCALE: VERT.
HORIZ. N.T.S.
DATE 04/16/04

DRAWN BY MAP
CHECKED BY RRM

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108,109)RS4	KENDALL	34	6
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

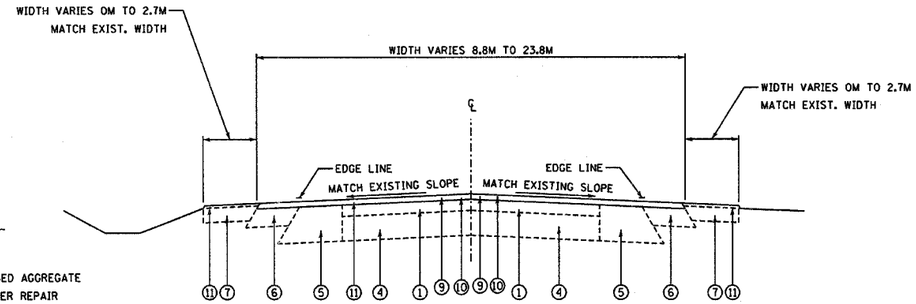
CONTRACT# 66433



PROPOSED TYPICAL SECTION

(FOR USE AT LOCATIONS WHERE ONE SIDE HAS EXISTING CURB AND GUTTER AND THE OPPOSITRE SIDE HAS EXISTING AGGREGATE SHOULDER. REVERSE ORIENTATION APPLICABLE)

STA. 20+213 TO STA. 20+430.7
STA. 22+822 TO STA. 22+980

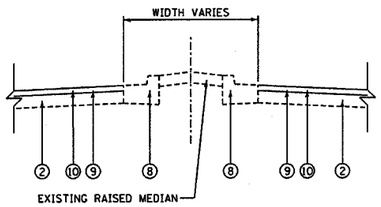


PROPOSED TYPICAL SECTION

(FOR USE WHEN BOTH SIDES OF ROADWAY HAVE EXISTING AGGREGATE SHOULDERS)

STA. 21+435 TO STA. 21+582
STA. 21+827 TO STA. 21+926.6
STA. 21+983.6 TO STA. 22+249

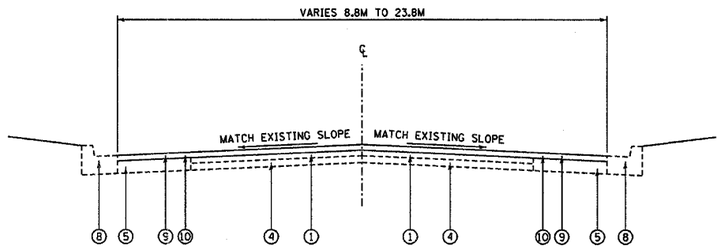
1. EXISTING HOT-MIX ASPHALT SURFACE
2. EXISTING HOT-MIX ASPHALT PAVEMENT
3. EXISTING HMA OVERLAY DEPTH VARIES 35MM TO 50MM AND LEVELING BINDER VARIOUS LOCATIONS, 16MM
4. EXISTING P.C.C. PAVEMENT
5. EXISTING HOT-MIX ASPHALT WIDENING
6. EXISTING HOT-MIX ASPHALT SHOULDER
7. EXISTING AGGREGATE SHOULDER
8. EXISTING P.C.C. CONCRETE CURB AND GUTTER
9. PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, 40MM
10. PROPOSED POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "E", N90, 38MM
11. PROPOSED AGGREGATE SHOULDERS, TYPE B



PROPOSED TYPICAL SECTION

(FOR USE ADJACENT TO EXISTING RAISED MEDIANS)

STA. 20+960.9 TO STA. 20+999.3
STA. 22+621.7 TO STA. 22+684.9
STA. 22+715.3 TO STA. 22+791.4
US ROUTE 34 LT & RT



PROPOSED TYPICAL SECTION

(FOR USE IN URBAN SECTIONS, WITH EXISTING CURB AND GUTTER ON BOTH SIDES OF ROADWAY)

STA. 20+430.7 TO STA. 20+999.3
STA. 21+582 TO STA. 21+827
STA. 21+926.6 TO STA. 21+983.6
STA. 22+565 TO STA. 22+822

MIXTURES TABLE

	POLYMERIZED HMA SURFACE	LEVEL BINDER (HM)	INCIDENTAL HMA SURFACE
PG GRADE	SBS PG 70-22	PG 64-22	PG 64-22
MAX % RAP ALLOWABLE**	0	10	15
DESIGN AIR VOIDS	4.0% @ N90	4.0% @ N90	4.0% @ N50
MIXTURE COMPOSITION	IL 12.5 OR IL 9.5	IL 9.5	IL 12.5 OR IL 9.5
FRICTION AGGREGATE	MIXTURE E		MIXTURE C
PLANT LIMITS	CLASS I	CLASS I	CLASS I
DENSITY CONTROL	CORRELATION		

** IF RAP OPTION IS SELECTED, THE ASPHALT CEMENT GRADE MAY NEED ADJUSTED. THIS WILL BE DETERMINED BY THE ENGINEER.

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS ILLINOIS ROUTE 47

SCALE: VERT. HORIZ. N.T.S.
DATE 04/16/04

DRAWN BY MAP
CHECKED BY RRM

CONTRACT NO. 66433

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108,109)RS4	KENDALL	34	7
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

MAINLINE

STATION FROM	STATION TO	PAVEMENT AREA SQ M	BIT MATERIAL (PRIME COAT) LITER	AGGREGATE (PRIME COAT) MTON	CRACKS, JOINTS & FLANGEWAYS MTON	LEVEL BINDER (HAND METHOD) N90 MTON	POLY. HMA SURF. CSE., MIX 'E" N90 MTON	AGG WEDGE SHOULDER TY. B MTON	TEMP RAMP SQ M
20+213	20+928	9,486.0	3,320.1	19.0	2.8	4.7	907.8	8.2	41.6
20+929	20+931.9	RAILROAD OMISSION							
20+931.9	20+999	1,088.0	380.8	2.2	0.3	0.5	104.1		85.5
20+999	21+189	BRIDGE OMISSION							
21+189	21+435	OMISSION							
21+435	21+555	1,232.0	431.2	2.5	0.4	0.6	117.9	7.5	15.1
21+555	21+828	2,845.0	995.8	5.7	0.9	1.4	272.3	1.3	
21+828	21+920	857.0	300.0	1.7	0.3	0.4	82.0	4.0	
21+920	21+986	807.0	282.5	1.6	0.2	0.4	77.2	0.3	
21+986	22+249	3,033.0	1,061.6	6.1	0.9	1.5	290.3	6.4	24.6
22+249	22+565	OMISSION							
22+565	22+980	8,313.0	2,909.6	16.6	2.5	4.2	795.6	6.4	56.1
US 34									
22+700.12 LT		1,408.0	492.8	2.8	0.4	0.7	134.7		27.8
22+700.12 RT		1,422.0	497.7	2.8	0.4	0.7	136.1		27.8
		TOTALS	10672	61	9	15	2918	34	278.5

HOT-MIX ASPHALT SURFACE REMOVAL

LOCATION FROM	LOCATION TO	AVG WIDTH METER	SHOULDER (C&G/BIT)	HMA SURF REM 40MM SQ M
IL 47				
20+213	20+928	13.1	C&G	9,486.0
20+929	20+931.9	RAILROAD OMISSION		
20+931.9	20+999	15.8	C&G	1,088.0
20+899	21+435	OMISSION		
21+435	21+555	10.2	BIT	1,232.0
21+555	21+828	10.4	C&G	2,845.0
21+828	21+920	9.4	BIT	857.0
21+920	21+986	12.3	C&G	807.0
21+986	22+249	13.5	BIT	3,033.0
22+249	22+565	OMISSION		
22+565	22+980	20.1	C&G	8,313.0
US 34				
22+700.12	LT	18.2	C&G	1,408.0
22+700.12	RT	18.1	C&G	1,422.0
			TOTAL	**30,491.0**

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULES

SCALE: VERT. HORIZ.

DATE

DRAWN BY

CHECKED BY

CONTRACT NO. 66433

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108,109)RS4	KENDALL	34	8
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SIDEROADS AND ENTRANCES

STATION	SIDE	DESCRIPTION	SIDE ROAD NAME	TYPE	WIDTH M	AREA SQ M	BIT MATL'S (PR CT) LITER	AGG (PR CT) MTON	INC HMA SURF MTON	HMA SURF REM 40MM SQ M	TEMP RAMP SQ M
20+280	LT	PE		BIT	10.7	19.2	6.73	0.04	1.85	19.23	0.00
20+351.1	LT	SR	ORANGE ST. - LT	BIT	6.6	67.8	23.73	0.14	6.51	67.80	10.03
20+381	LT	PE		BIT	NIC	0.0	0.00	0.00	0.00	0.00	0.00
20+453.2	LT	SR	WASHINGTON ST. - LT	BIT	10.7	150.9	52.82	0.30	14.49	150.91	16.26
20+509	LT	CE		CONC	NIC	0.0	0.00	0.00	0.00	0.00	0.00
20+578.9	LT	SR	FOX ST. - LT	BIT	12.8	121.3	42.45	0.24	11.64	121.27	19.46
20+831.4	LT	SR	VAN EMMON ST. - LT	BIT	11	93.0	32.56	0.19	8.93	93.03	16.72
21+478.7	LT	SR	CENTER ST. - LT	BIT	7.3	90.0	31.51	0.18	8.64	90.03	11.10
21+532	LT	PE		BIT	3	12.1	4.23	0.02	1.16	12.08	0.00
21+557	LT	PE		BIT	7	15.8	5.53	0.03	1.52	15.79	0.00
21+595.1	LT	SR	SPRING ST. - LT	BIT	6.9	99.4	34.79	0.20	9.54	99.41	10.49
21+646	LT	PE		CONC	NIC	0.0	0.00	0.00	0.00	0.00	0.00
21+682.1	LT	SR	SOMONAUK ST. - LT	BIT	9.8	125.1	43.78	0.25	12.01	125.07	14.90
21+758	LT	PE		CONC	NIC	0.0	0.00	0.00	0.00	0.00	0.00
21+801	LT	PE		CONC	NIC	0.0	0.00	0.00	0.00	0.00	0.00
21+824	LT	PE		CONC	NIC	0.0	0.00	0.00	0.00	0.00	0.00
21+866	LT	PE		BIT	7	15.8	5.53	0.03	1.52	15.79	0.00
21+876	LT	PE		BIT	6.7	15.5	5.43	0.03	1.49	15.51	0.00
21+950.6	LT	SR	APPLE TREE CT. - LT	BIT	9.8	104.9	36.73	0.21	10.07	104.93	14.90
22+012	LT	PE		BIT	5.6	14.5	5.07	0.03	1.39	14.49	0.00
22+046	LT	CE		BIT	5.6	14.5	5.07	0.03	1.39	14.49	0.00
22+077	LT	CE		BIT	5	13.9	4.88	0.03	1.34	13.94	0.00
22+086	LT	PE		BIT	5.5	14.4	5.04	0.03	1.38	14.40	0.00
22+129	LT	CE		BIT	16.2	24.3	8.52	0.05	2.34	24.34	0.00
22+572	LT	CE		BIT	NIC	0.0	0.00	0.00	0.00	0.00	0.00
22+627	LT	CE		BIT	NIC	0.0	0.00	0.00	0.00	0.00	0.00
22+700.1	LT	SR	VETERANS PKWY - LT	BIT	SEE MAINLINE SCHEDULE						
22+772	LT	CE		CONC	NIC	0.0	0.00	0.00	0.00	0.00	0.00
22+819	LT	CE		CONC	NIC	0.0	0.00	0.00	0.00	0.00	0.00
20+218	RT	CE		BIT	NIC	0.0	0.00	0.00	0.00	0.00	0.00
20+242	RT	CE		BIT	NIC	0.0	0.00	0.00	0.00	0.00	0.00
20+282	RT	CE		BIT	NIC	0.0	0.00	0.00	0.00	0.00	0.00
20+322	RT	CE		CONC	NIC	0.0	0.00	0.00	0.00	0.00	0.00
20+351.1	RT	SR	ORANGE ST. - RT	BIT	6.7	67.8	23.73	0.14	6.51	67.80	10.18
20+371	RT	CE		BIT	NIC	0.0	0.00	0.00	0.00	0.00	0.00
20+390	RT	CE		BIT	NIC	0.0	0.00	0.00	0.00	0.00	0.00
20+417	RT	PE		BIT	5.2	14.1	4.94	0.03	1.36	14.12	0.00
20+453.2	RT	SR	WASHINGTON ST. - RT	BIT	10.7	172.1	60.22	0.34	16.52	172.07	16.26
20+578.9	RT	SR	FOX ST. - RT	BIT	12.2	117.2	41.01	0.23	11.25	117.18	18.54
20+611	RT	CE		CONC	NIC	0.0	0.00	0.00	0.00	0.00	0.00
20+640	RT	CE		CONC	NIC	0.0	0.00	0.00	0.00	0.00	0.00
20+658	RT	CE		BIT	10.4	19.0	6.63	0.04	1.82	18.95	0.00
20+687	RT	CE		BIT	7.6	16.4	5.72	0.03	1.57	16.35	0.00
20+756	RT	CE		BIT	10.1	18.7	6.54	0.04	1.79	18.67	0.00
20+831.4	RT	SR	VAN EMMON ST. - RT	BIT	13.4	88.1	30.83	0.18	8.46	88.08	20.37
21+478.7	RT	SR	CENTER ST. - RT	BIT	6.1	89.0	7.12	0.18	7.47	88.97	3.39
21+513	RT	PE		BIT	4.9	16.6	1.32	0.03	1.39	16.56	0.00
21+533	RT	PE		BIT	3	14.4	1.16	0.03	1.21	14.44	0.00
21+595.1	RT	SR	SPRING ST. - RT	BIT	11.6	140.0	11.20	0.28	11.76	139.98	6.45
21+636	RT	PE		CONC	NIC	0.0	0.00	0.00	0.00	0.00	0.00
21+648	RT	PE		CONC	NIC	0.0	0.00	0.00	0.00	0.00	0.00
21+682.1	RT	SR	SOMONAUK ST. - RT	BIT	11.6	204.3	16.34	0.41	17.16	204.28	6.45
21+740	RT	CE		CONC	NIC	0.0	0.00	0.00	0.00	0.00	0.00
21+811.6	RT	SR	PARK ST. - RT	BIT	7.3	108.4	8.67	0.22	9.10	108.35	4.06
21+952	RT	PE		BIT	11.6	24.0	1.92	0.05	2.02	24.00	0.00
21+995	RT	PE		BIT	4.3	15.9	1.27	0.03	1.33	15.89	0.00
22+073	RT	CE		BIT	7.6	19.6	1.56	0.04	1.64	19.56	0.00
22+105	RT	CE		BIT	8.5	20.6	1.64	0.04	1.73	20.56	0.00
22+205.5	RT	SR	WALNUT ST. - RT	BIT	12.5	220.1	17.60	0.44	18.48	220.05	6.95
22+700.1	RT	SR	VETERANS PKWY - RT	BIT	SEE MAINLINE SCHEDULE						
22+747	RT	CE		CONC	NIC	0.0	0.00	0.00	0.00	0.00	0.00
22+808	RT	CE		CONC	NIC	0.0	0.00	0.00	0.00	0.00	0.00
22+847	RT	CE			NIC	0.0	0.00	0.00	0.00	0.00	0.00
22+859	RT	CE		BIT	13.1	25.7	2.05	0.05	2.16	25.67	0.00
						PROJECT TOTALS	606	5	222	2424	207

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULES

SCALE: VERT. HORIZ.

DATE

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CONTRACT NO. 66433

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108,109)RS4	KENDALL	34	9
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PAVEMENT MARKING

LOCATION	THERMOPLASTIC									TEMPORARY							RAISED REFL PAVT MARKER	SHORT TERM PVT MK
	LTRS & SYM	100MM		150MM		200MM	300MM		600MM	LTRS & SYM	100MM	150MM		200MM	300MM	600MM		
	WHITE	WHITE	YELLOW	YELLOW	WHITE	WHITE	WHITE	YELLOW	WHITE	WHITE	YELLOW	YELLOW	WHITE	WHITE	YELLOW	WHITE		
	SQ M	METER	METER	METER	METER	METER	METER	METER	METER	SQ M	METER	METER	METER	METER	METER	METER	EACH	METER
20+213 - 20+351.1																		26
DOUBLE CENTERLINE			257								257						14	
EDGE LINES		278																
DOTTED TURN LANE						3												
20+351.1 - 20+453.1																		29
DOUBLE CENTERLINE			146								146						8	
EDGE LINES		200																
CROSSWALK					39		38											
20+453.1 - 20+578.9																		136
MEDIAN			298					27			298				27		16	
DOUBLE CENTERLINE			61														6	
TURN LANE	2.94					38.5				2.94				30.5			3	
STOBBAR									7							7		
STOPBAR (WASH. ST.)									6									
20+578.9 - 20+653.3																		101
MEDIAN			128					10			128				10		6	
DOUBLE CENTERLINE			61														6	
EDGE LINES		83																
TURN LANE	2.94					37				2.94				30.5			3	
STOPBAR									8							8		
STOPBAR (FOX ST.)									6									
20+653.3 - 20+755.7																		43
BIDIRECTIONAL			214	55							214	55					16	
EDGE LINES		205																
20+755.7 - 20+831.4																		155
MEDIAN			132					10			132				10		6	
DOUBLE CENTERLINE			61								61						6	
EDGE LINES		146.5																
TURN LANE	5.36					38				5.36				30.5			3	
STOPBAR									8							8		
CROSSWALK					31		29											
STOPBAR (VAN EMMON)									5									
CROSSWALK (VAN EMMON)					24		22											
20+831.4 - 20+924																		18
DOUBLE CENTERLINE			165								165						18	
TURN LANE	6.83					64				5.36				27.5			6	
STOPBARS									19							19		
CROSSWALK					37		34											
CROSSWALK (VAN EMMON)					24		22											
PARKING		61				16	2											
RAILROAD	5.68								8	5.68						8		
STOPBAR (VAN EMMON)									6									
20+949 - 20+999.3																		
MEDIAN			80															
CENTERLINE					13	50											8	
RAILROAD	5.68								8	5.68								
STOPBAR									8									
21+435 - 21+480.1																		14
DOUBLE CENTERLINE			71								71						8	
EDGE LINES		76																
21+480.1 - 21+595.1																		50
DOUBLE CENTERLINE			141								141						14	
EDGE LINES		200																
MEDIAN			110					4			110				4		10	
CROSSWALK					31		27											
CROSSWALK (SPRING)					25		24											
STOPBAR (SPRING)									3									

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULES

SCALE: VERT. HORIZ.

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108,109)RS4	KENDALL	34	10
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PAVEMENT MARKING (CONT.)

LOCATION	THERMOPLASTIC									TEMPORARY							RAISED REFL PAVT MARKER	SHORT TERM PVT MK
	LTRS & SYM	100MM		150MM		200MM	300MM		600MM	LTRS & SYM	100MM	150MM		200MM	300MM	600MM		
	WHITE	WHITE	YELLOW	YELLOW	WHITE	WHITE	WHITE	YELLOW	WHITE	WHITE	YELLOW	YELLOW	WHITE	WHITE	YELLOW	WHITE		
	SQ M	METER	METER	METER	METER	METER	METER	METER	METER	SQ M	METER	METER	METER	METER	METER	METER	EACH	METER
21+595.1 - 21+682																		106
MEDIAN			152					15			152				15		12	
DOUBLE CENTERLINE			61														6	
TURN LANE	2.94					40				2.94				34			3	
STOPBAR									8							8		
CROSSWALK					32		29											
CROSSWALK (SOMONAUK)					24		22											
21+682 - 21+811.6																		82
MEDIAN			318					30			318				30		14	
DOUBLE CENTERLINE			61								61						6	
TURN LANE	2.94					40				2.94				32			3	
STOPBAR									8							8		
CROSSWALK					37		33											
CROSSWALK (SOMONAUK)					25		23											
21+811.6 - 21+950.6																		52
DOUBLE CENTERLINE			260								260						22	
EDGE LINES		245																
STOPBAR (PARK)									4									
21+950.6 - 22+205.5																		136
DOUBLE CENTERLINE			321								321						28	
EDGE LINES		507																
MEDIAN			360					27			360				27		19	
22+205.5 - 22+249																		17
DOUBLE CENTERLINE			28								28							
EDGE LINES		85															6	
TURN LANE	2.94					28				2.94				26			3	
STOPBAR									4							4		
22+565 - 22+700.1																		400
SKIP DASH					60								60				20	
MEDIAN			227					20									10	
TURN LANE	4.41					76				4.41				62			6	
LANE EDGE			130														12	
THRU LANES	10.47									10.47								
STOPBAR									16							16		
22+700.1 - 22+980																		578
SKIP DASH					75								75				23	
MEDIAN			754					122			754				122		30	
TURN LANE	4.41					86				4.41				62			7	
LANE EDGE			149														14	
EDGE LINES		223.5																
THRU LANES	10.47									10.47								
STOPBAR									16							16		
RIGHT TURN LANE	2.94									2.94							8	
ISLAND						168.5	29							168	29		8	
US 34 LEFT																		308
SKIP DASH					18								18				5	
TURN LANE	4.41					63				4.41					63		6	
LANE EDGE			122														12	
THRU LANES	10.47									10.47								
STOPBAR									14							14		
US 34 RIGHT																		308
SKIP DASH					18								18				5	
TURN LANE	4.41					64				4.41					64		6	
LANE EDGE			129														12	
THRU LANES	10.47									10.47								
STOPBAR									16							16		
TOTALS	100.71	2310	4997	55	513	812	334	265	178	99.24	3977	55	171	503	401	132	463	2559

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SCHEDULES

SCALE: VERT.
HORIZ.
DATE

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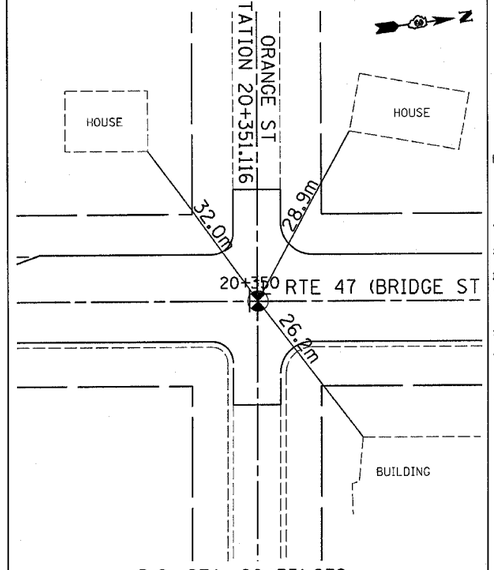
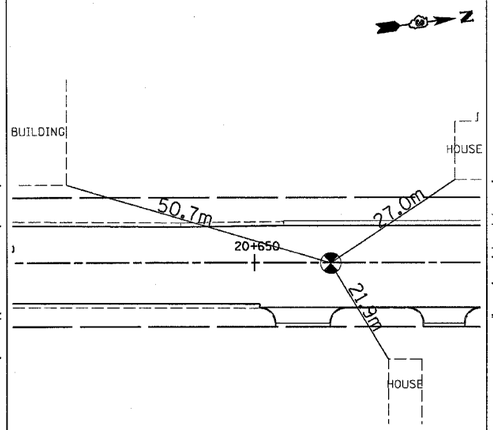
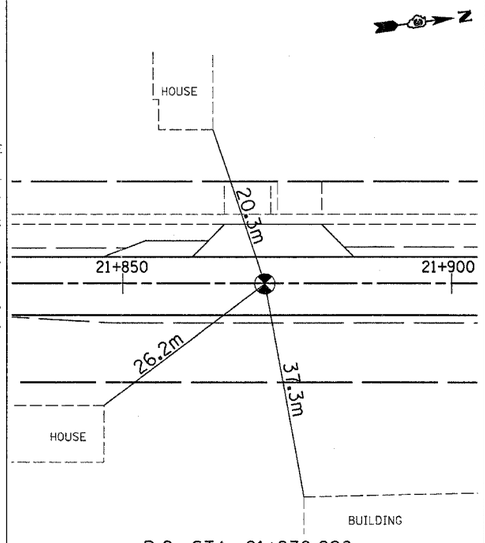
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108,109)RS4	KENDALL	34	11
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



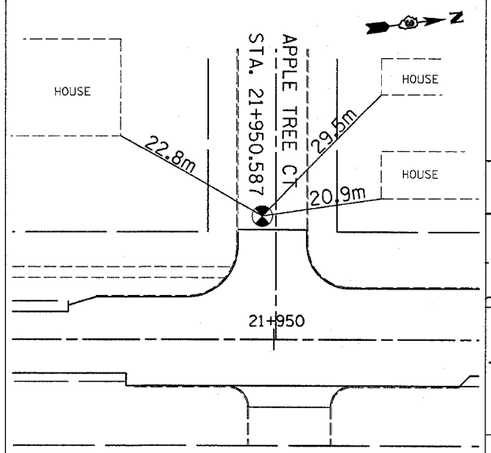
P.C. STA. 20+351.279



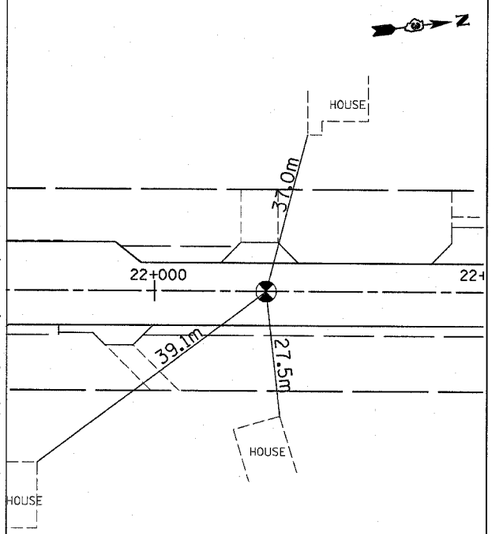
P.T. STA. 20+663.918



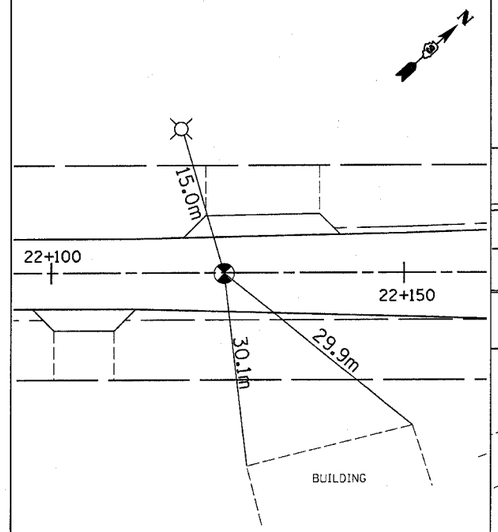
P.C. STA. 21+870.290



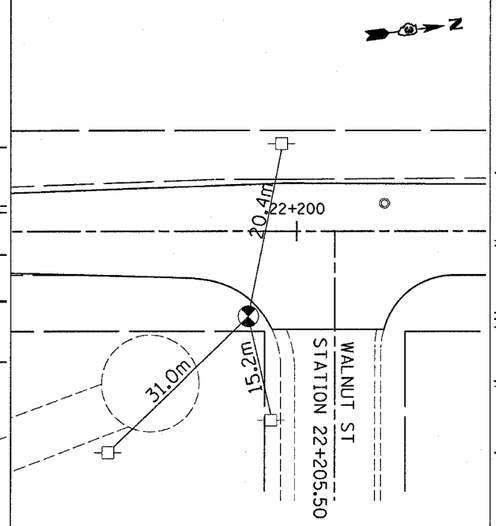
P.I. STA. 21+945.942



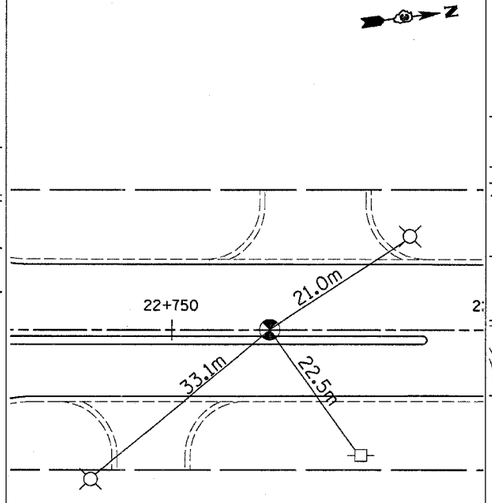
P.T. STA. 22+016.575



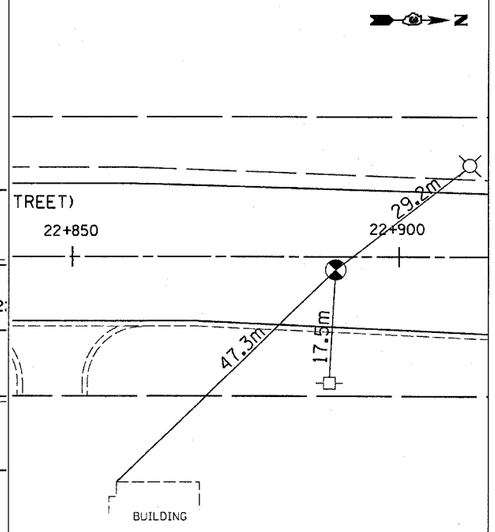
P.C. STA. 22+125.848



P.I. STA. 22+198.112



P.C. STA. 22+766.494



P.I. STA. 22+891.551

NOTE:
THE RESIDENT ENGINEER SHOULD CONTACT THE SURVEY SECTION IN THE BUREAU OF LAND ACQUISITION TO VERIFY THE NUMBER OF SURVEY MARKERS TO BE INSTALLED.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

TIE POINTS

SCALE: VERT.
HORIZ.
DATE

DRAWN BY
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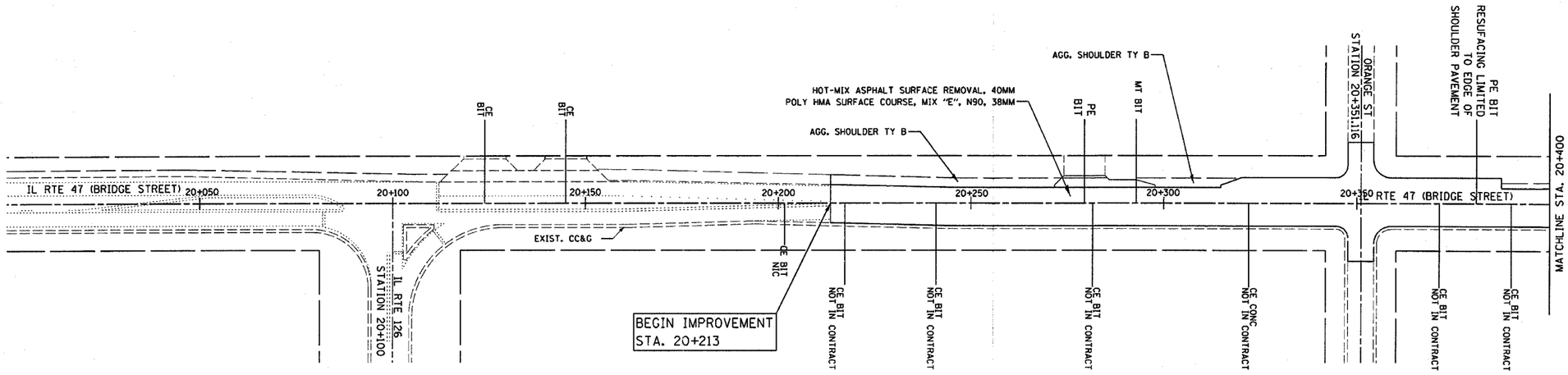
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108,109)RS4	KENDALL	34	12
STA. 20+000		TO STA. 20+800		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 66433

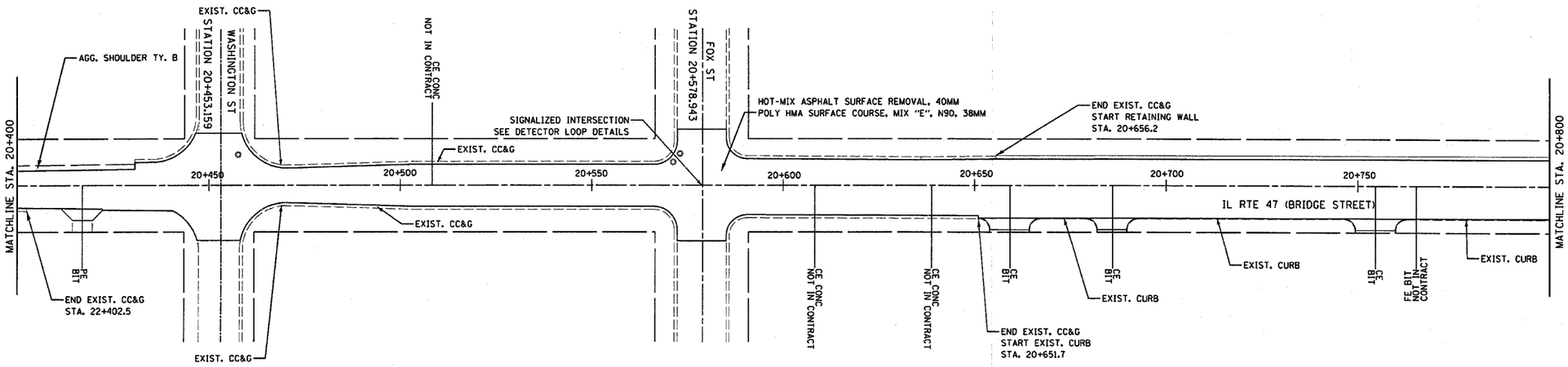


KEY

CE - COMMERCIAL ENTRANCE
PE - PRIVATE ENTRANCE
MT - MAILBOX TURNOUT
FE - FIELD ENTRANCE
BC - BOX CULVERT
RR - RAILROAD

NOTES

1. SEE DETAILS FOR TREATMENT AND EXTENT OF IMPROVEMENT AT FE, CE, & PE.
2. SEE DETAILS FOR TREATMENT AND EXTENT OF IMPROVEMENT AT SIDE ROADS.



REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PROJECT LAYOUT

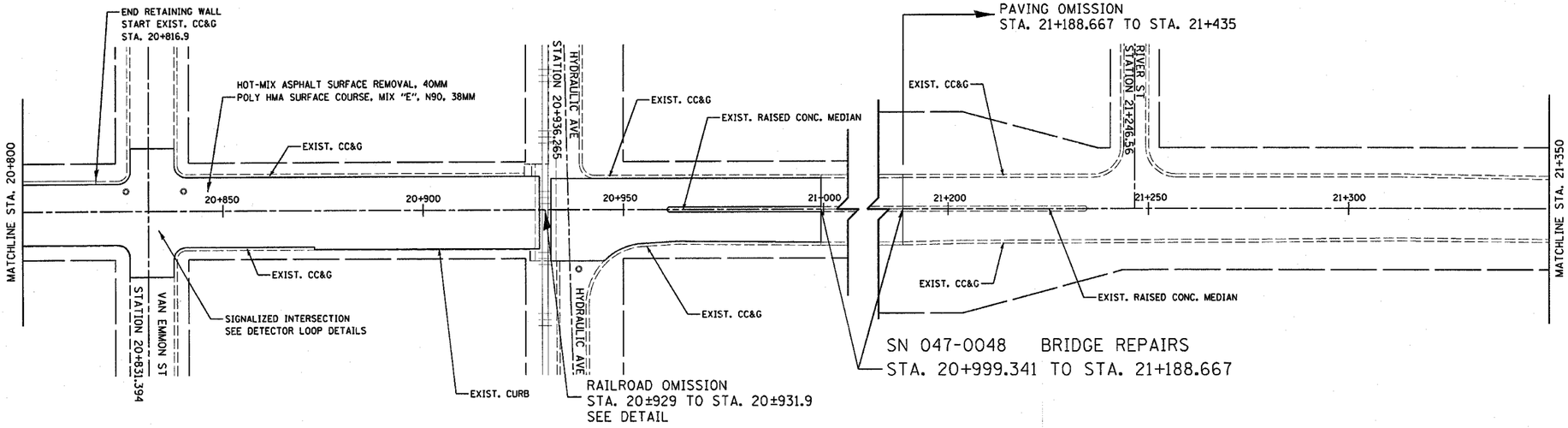
STA. 20+000 TO STA. 20+800

SCALE: VERT. N.T.S.
HORIZ.
DATE 4/16/04

DRAWN BY MAP
CHECKED BY RRM

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108,109)RS4	KENDALL	34	13
STA. 20+800		TO STA. 21+750		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 66433

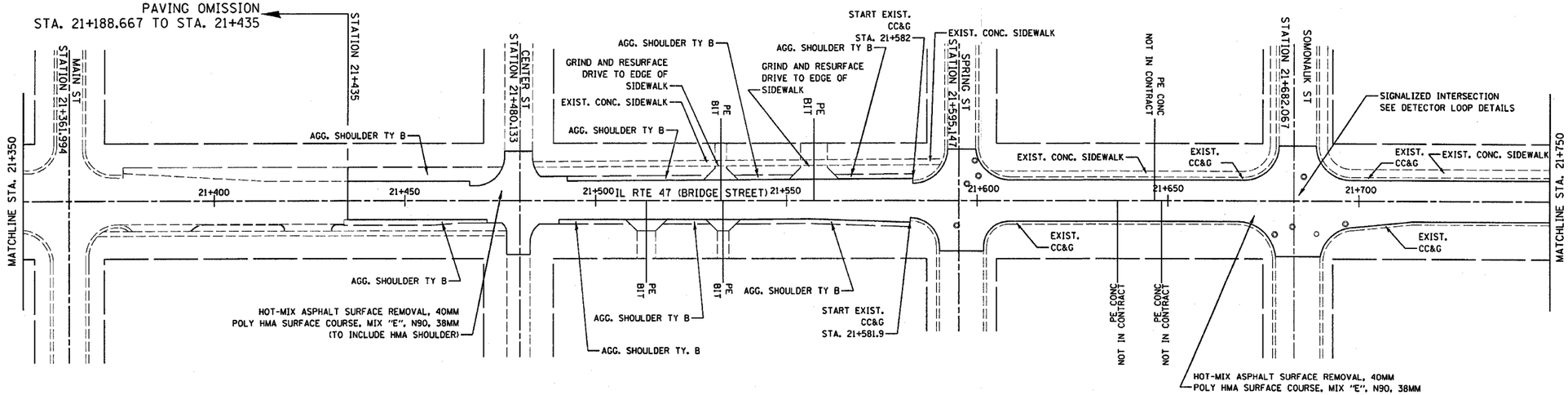


KEY

CE - COMMERCIAL ENTRANCE
PE - PRIVATE ENTRANCE
MT - MAILBOX TURNOUT
FE - FIELD ENTRANCE
BC - BOX CULVERT
RR - RAILROAD

NOTES

1. SEE DETAILS FOR TREATMENT AND EXTENT OF IMPROVEMENT AT FE, CE, & PE.
2. SEE DETAILS FOR TREATMENT AND EXTENT OF IMPROVEMENT AT SIDE ROADS.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PROJECT LAYOUT

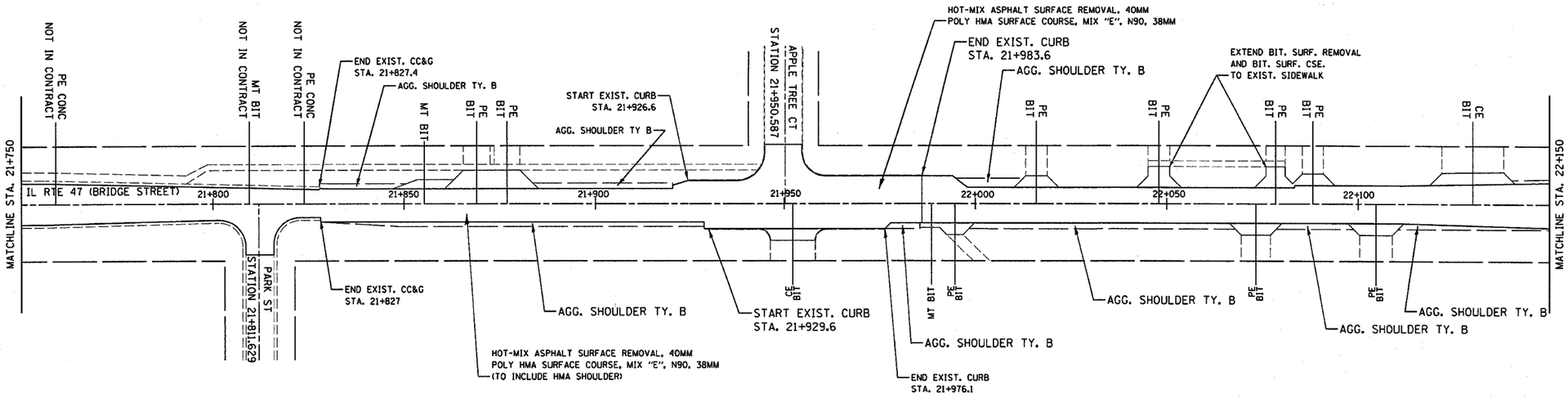
STA. 20+800 TO STA. 21+750

SCALE: VERT. N.T.S.
HORIZ.
DATE 04/16/04

DRAWN BY MAP
CHECKED BY RRM

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108,109)RS4	KENDALL	34	14
STA. 21+750		TO STA. 22+550		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 66433

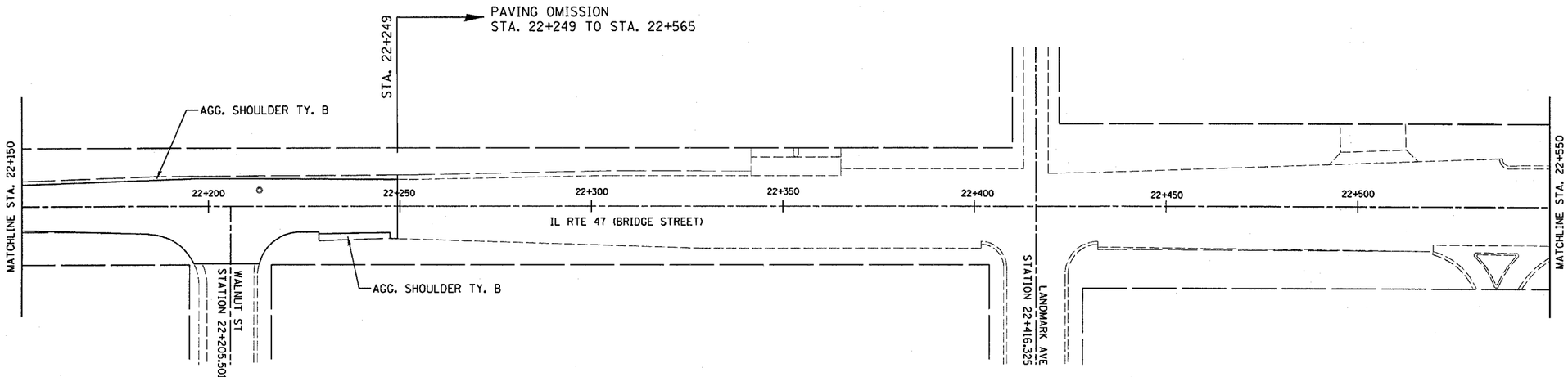


KEY

CE - COMMERCIAL ENTRANCE
PE - PRIVATE ENTRANCE
MT - MAILBOX TURNOUT
FE - FIELD ENTRANCE
BC - BOX CULVERT
RR - RAILROAD

NOTES

1. SEE DETAILS FOR TREATMENT AND EXTENT OF IMPROVEMENT AT FE, CE, & PE.
2. SEE DETAILS FOR TREATMENT AND EXTENT OF IMPROVEMENT AT SIDE ROADS.



REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PROJECT LAYOUT

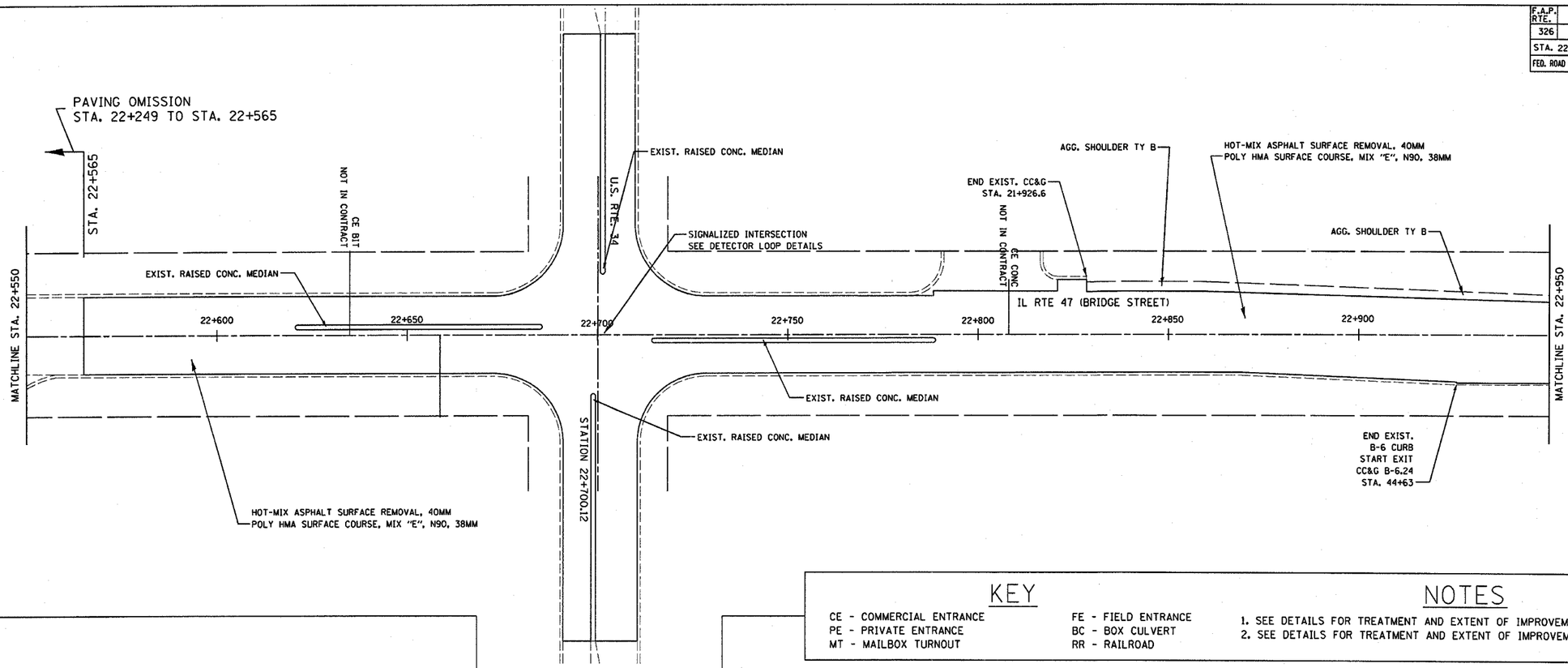
STA. 21+750 TO STA. 22+550

SCALE: VERT. N.T.S.
HORIZ.
DATE 04/16/04

DRAWN BY MAP
CHECKED BY RRM

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108,109)RS4	KENDALL	34	15
STA. 22+550	TO STA. 23+250			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 66433



KEY

CE - COMMERCIAL ENTRANCE
PE - PRIVATE ENTRANCE
MT - MAILBOX TURNOUT
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NOTES

1. SEE DETAILS FOR TREATMENT AND EXTENT OF IMPROVEMENT AT FE, CE, & PE.
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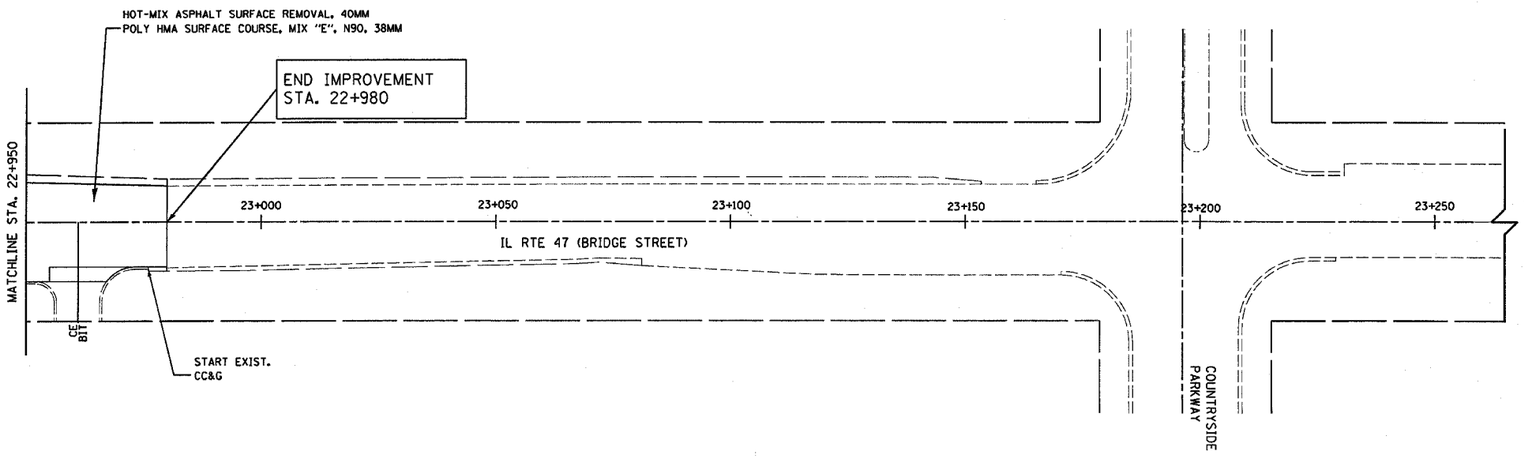


REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PROJECT LAYOUT

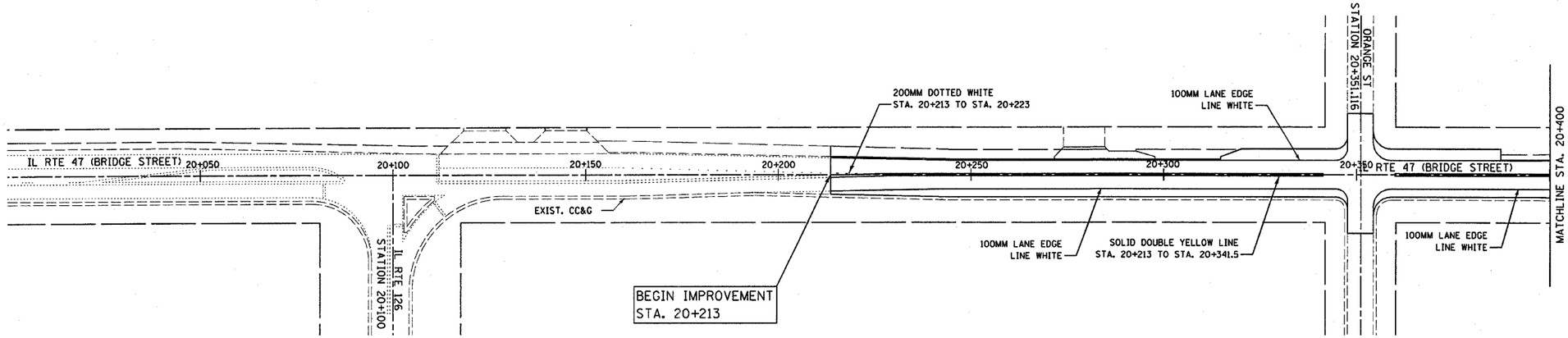
STA. 22+550 TO STA. 23+250

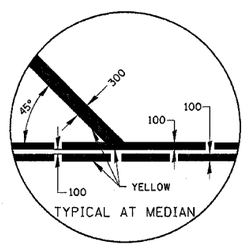
SCALE: VERT. N.T.S. HORIZ.
DATE 04/16/04

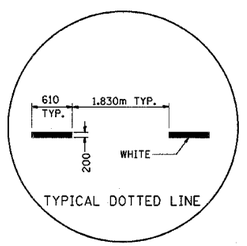
DRAWN BY MAP
CHECKED BY RRM

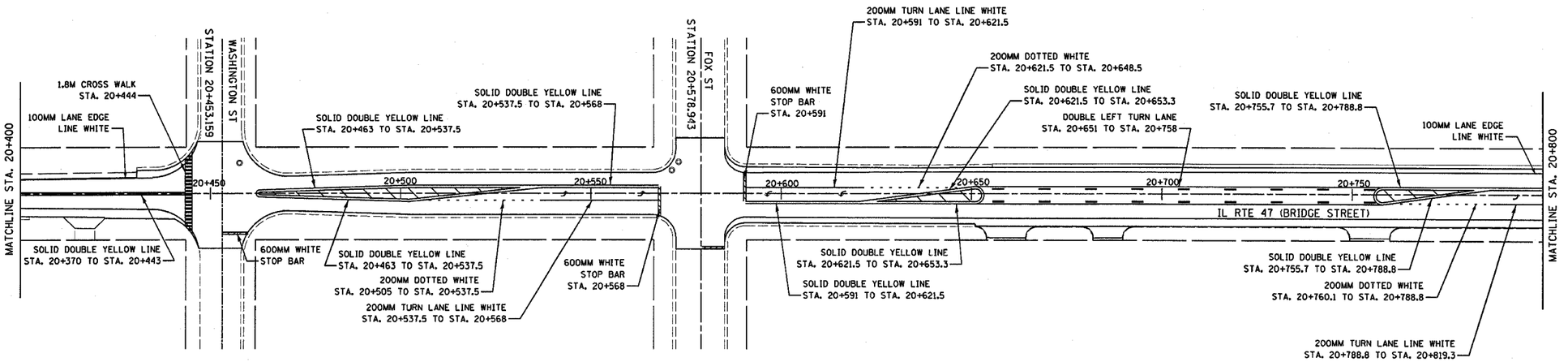
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108,109)RS4	KENDALL	34	16
STA. 20+000		TO STA. 20+800		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 66433









REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN

STA. 20+000 TO STA. 20+800

SCALE: VERT. N.T.S.
HORIZ.

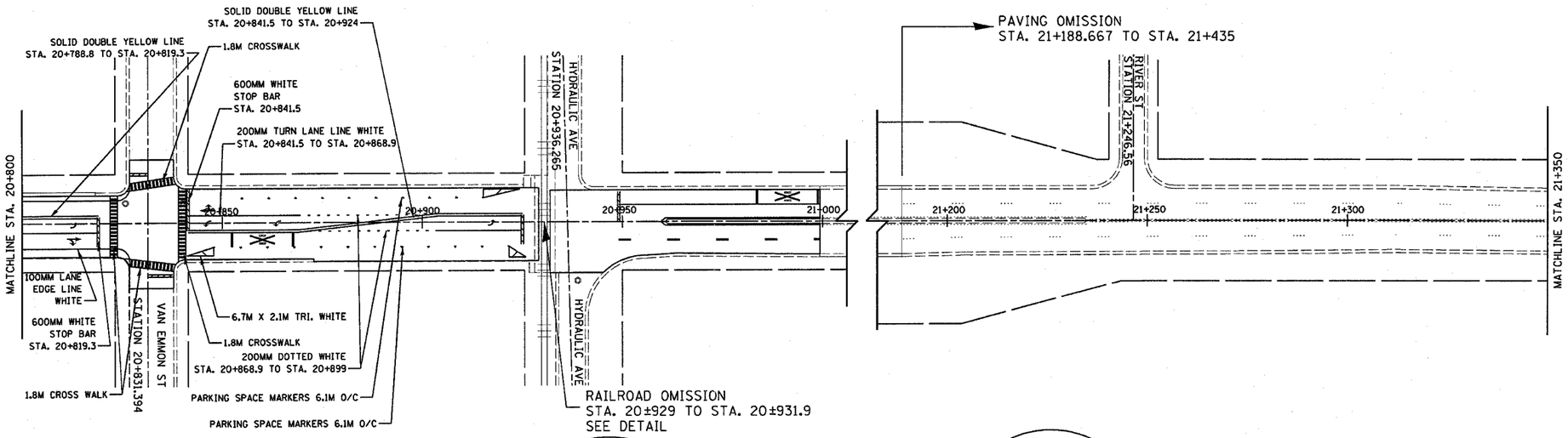
DATE 4/16/04

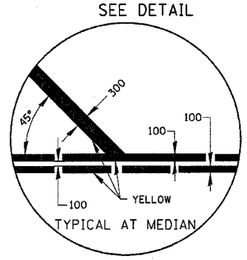
DRAWN BY MAP

CHECKED BY RRM

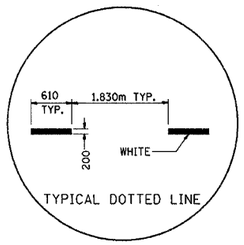
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108,109)RS4	KENDALL	34	17
STA. 20+800		TO STA. 21+750		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 66433

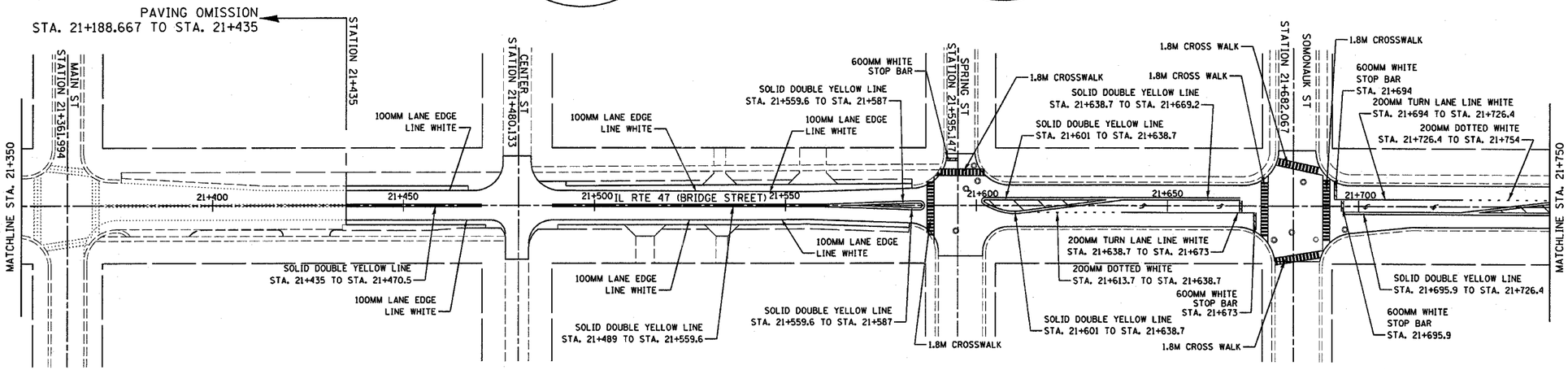




TYPICAL AT MEDIAN



TYPICAL DOTTED LINE



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN

STA. 20+800 TO STA. 21+750

SCALE: VERT. N.T.S.
HORIZ.

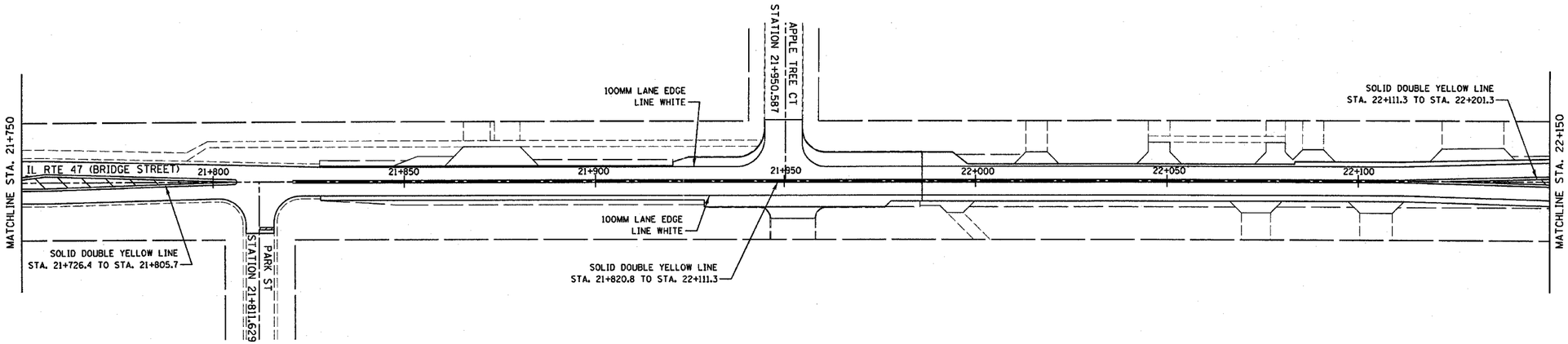
DRAWN BY MAP

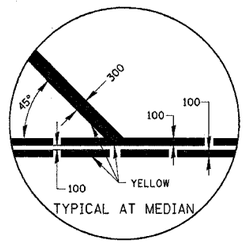
DATE 04/16/04

CHECKED BY RRM

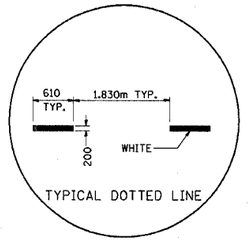
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108,109)RS4	KENDALL	34	18
STA. 21+750		TO STA. 22+550		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 66433





TYPICAL AT MEDIAN



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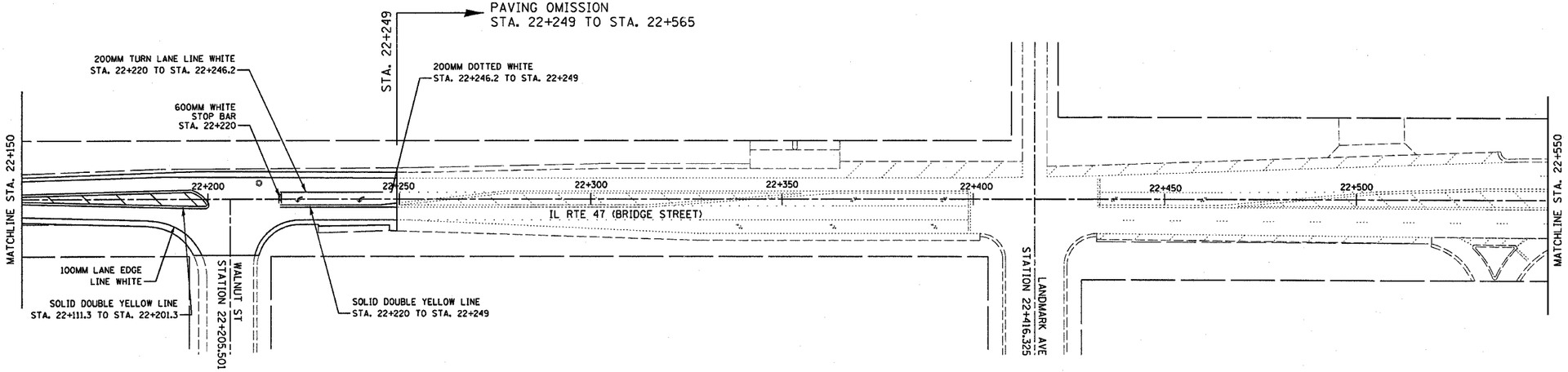


REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN

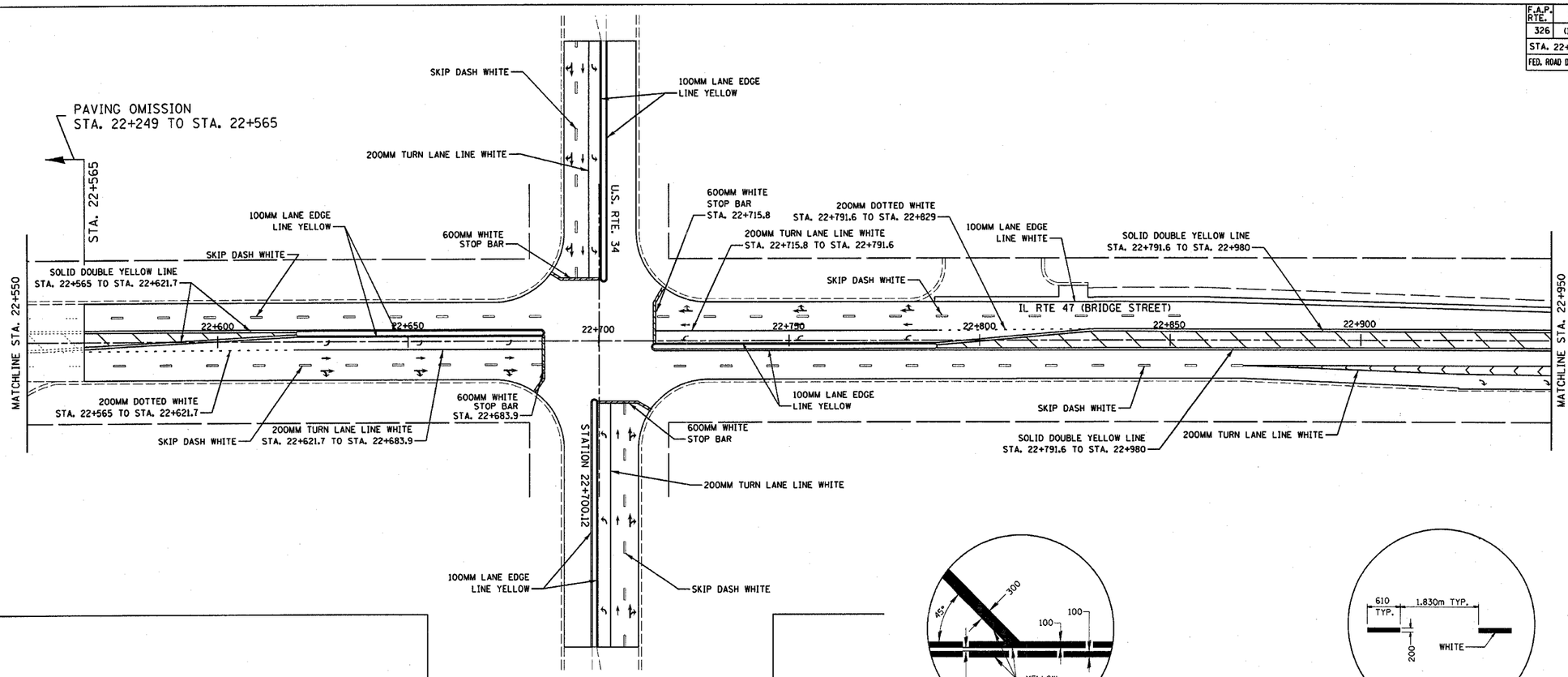
STA. 21+750 TO STA. 22+550

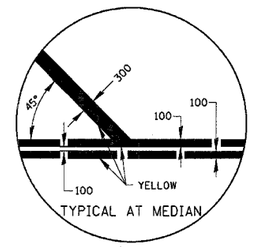
SCALE: VERT. N.T.S. HORIZ.
DATE 04/16/04

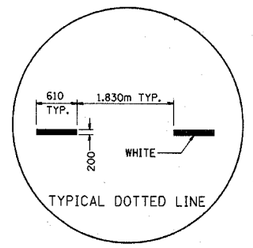
DRAWN BY MAP
CHECKED BY RRM

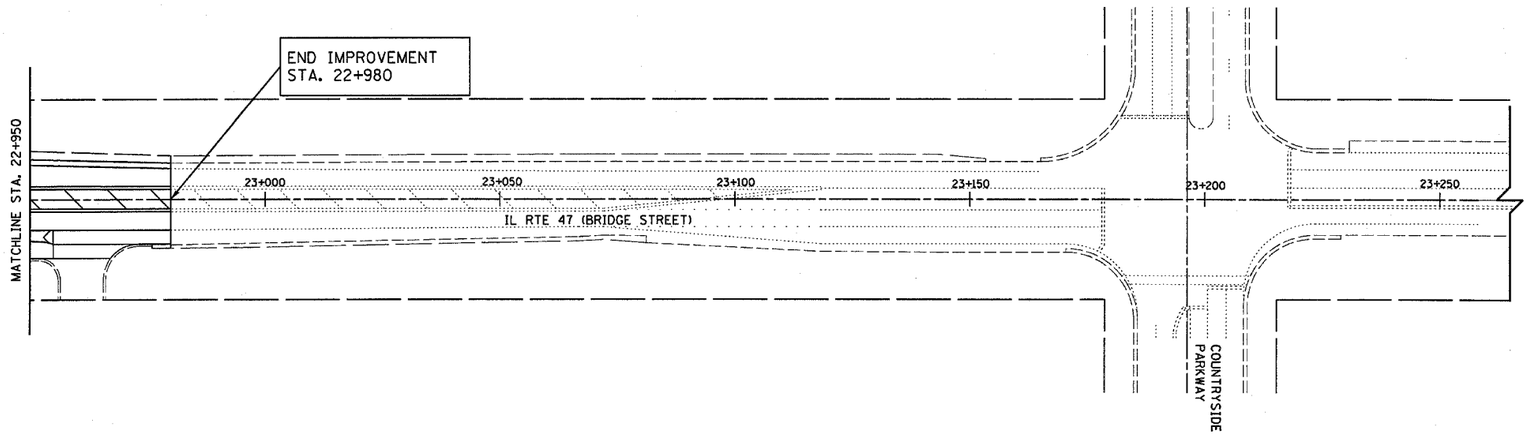
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108,109)RS4	KENDALL	34	19
STA. 22+550	TO STA. 23+250			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 66433









REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN

STA. 22+550 TO STA. 23+250

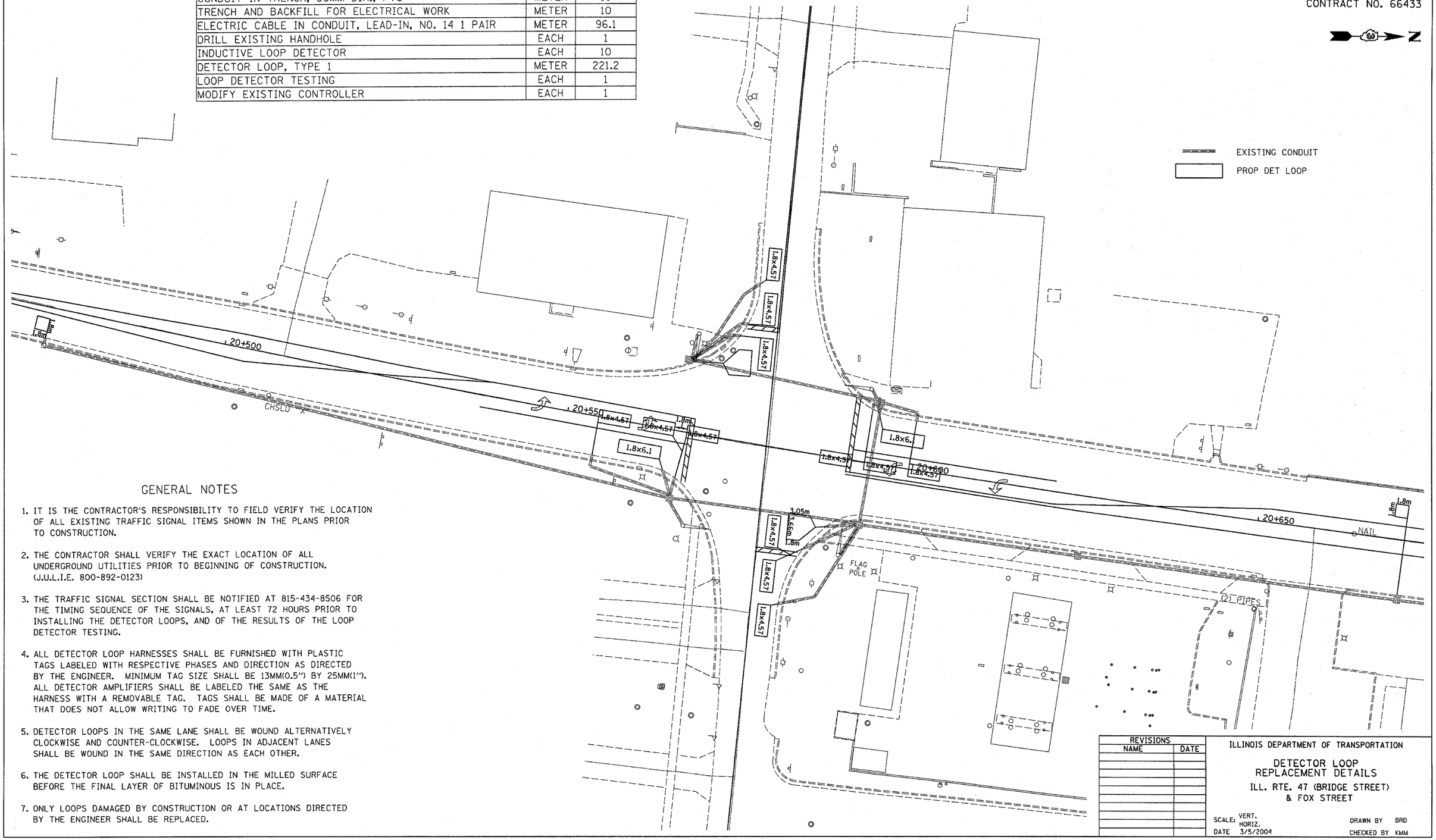
SCALE: VERT. N.T.S. HORIZ.
DATE 04/16/04

DRAWN BY MAP
CHECKED BY RRM

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108,109)RS4	KENDALL	34	20
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 66433

CONDUIT IN TRENCH, 30MM DIA., PVC	METER	10
TRENCH AND BACKFILL FOR ELECTRICAL WORK	METER	10
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	METER	96.1
DRILL EXISTING HANDHOLE	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	10
DETECTOR LOOP, TYPE 1	METER	221.2
LOOP DETECTOR TESTING	EACH	1
MODIFY EXISTING CONTROLLER	EACH	1



GENERAL NOTES

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION OF ALL EXISTING TRAFFIC SIGNAL ITEMS SHOWN IN THE PLANS PRIOR TO CONSTRUCTION.

2. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING OF CONSTRUCTION. (J.U.L.I.E. 800-892-0123)

3. THE TRAFFIC SIGNAL SECTION SHALL BE NOTIFIED AT 815-434-8506 FOR THE TIMING SEQUENCE OF THE SIGNALS, AT LEAST 72 HOURS PRIOR TO INSTALLING THE DETECTOR LOOPS, AND OF THE RESULTS OF THE LOOP DETECTOR TESTING.

4. ALL DETECTOR LOOP HARNESSES SHALL BE FURNISHED WITH PLASTIC TAGS LABELED WITH RESPECTIVE PHASES AND DIRECTION AS DIRECTED BY THE ENGINEER. MINIMUM TAG SIZE SHALL BE 13MM(0.5") BY 25MM(1"). ALL DETECTOR AMPLIFIERS SHALL BE LABELED THE SAME AS THE HARNESS WITH A REMOVABLE TAG. TAGS SHALL BE MADE OF A MATERIAL THAT DOES NOT ALLOW WRITING TO FADE OVER TIME.

5. DETECTOR LOOPS IN THE SAME LANE SHALL BE WOUND ALTERNATIVELY CLOCKWISE AND COUNTER-CLOCKWISE. LOOPS IN ADJACENT LANES SHALL BE WOUND IN THE SAME DIRECTION AS EACH OTHER.

6. THE DETECTOR LOOP SHALL BE INSTALLED IN THE MILLED SURFACE BEFORE THE FINAL LAYER OF BITUMINOUS IS IN PLACE.

7. ONLY LOOPS DAMAGED BY CONSTRUCTION OR AT LOCATIONS DIRECTED BY THE ENGINEER SHALL BE REPLACED.

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT DETAILS

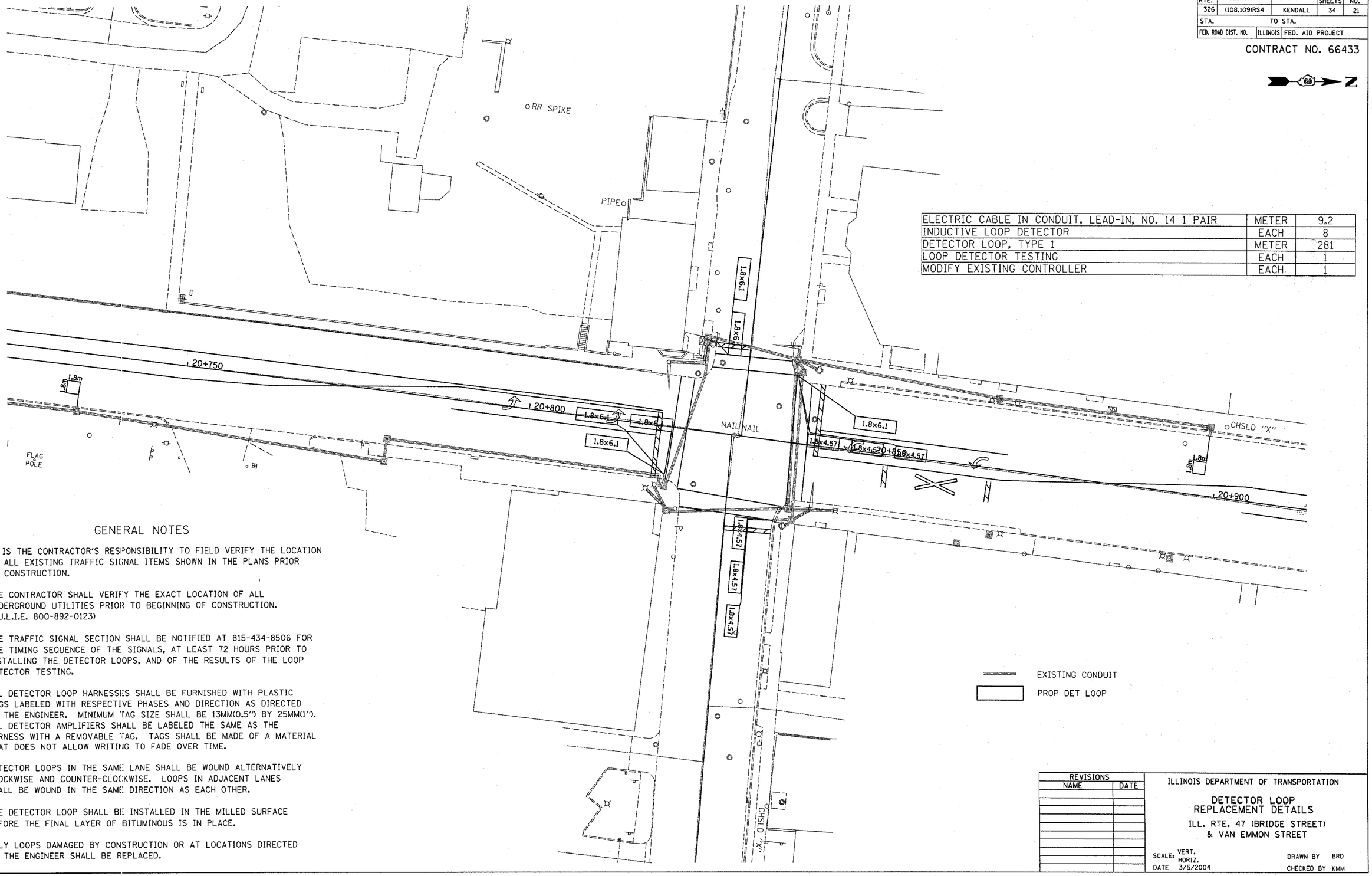
ILL. RTE. 47 (BRIDGE STREET) & FOX STREET

SCALE: VERT.
HORIZ.
DATE 3/5/2004

DRAWN BY BRD
CHECKED BY KMM

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108,109)RS4	KENDALL	34	21
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 66433



ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	METER	9.2
INDUCTIVE LOOP DETECTOR	EACH	8
DETECTOR LOOP, TYPE 1	METER	281
LOOP DETECTOR TESTING	EACH	1
MODIFY EXISTING CONTROLLER	EACH	1

GENERAL NOTES

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2. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING OF CONSTRUCTION. (J.U.L.I.E. 800-892-0123)
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REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT DETAILS

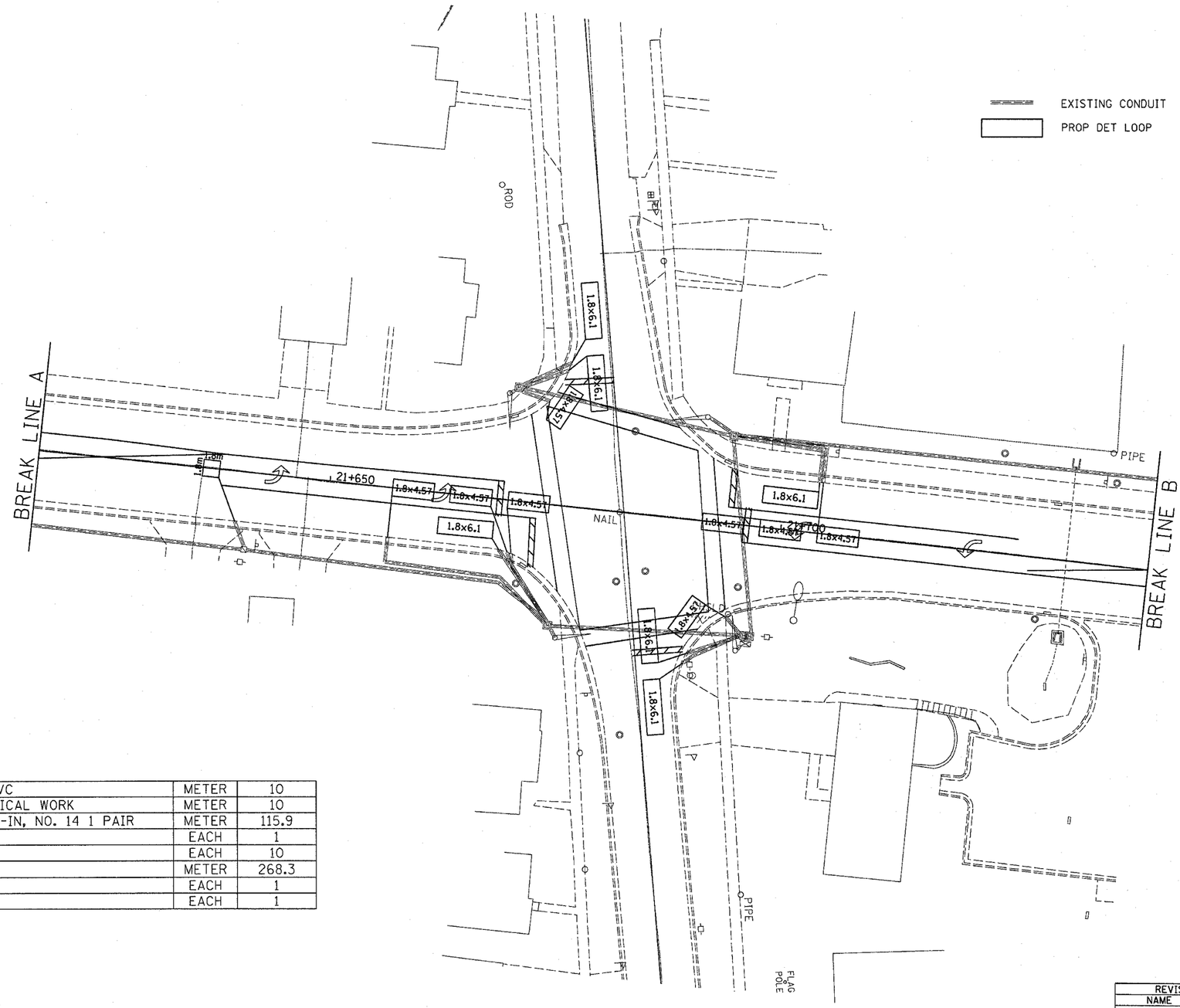
ILL. RTE. 47 (BRIDGE STREET) & VAN EMMON STREET

SCALE: VERT.
HORIZ.
DATE 3/5/2004

DRAWN BY BRD
CHECKED BY KMM

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108,109)RS4	KENDALL	34	22
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 66433



CONDUIT IN TRENCH, 30MM DIA., PVC	METER	10
TRENCH AND BACKFILL FOR ELECTRICAL WORK	METER	10
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	METER	115.9
DRILL EXISTING HANDHOLE	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	10
DETECTOR LOOP, TYPE 1	METER	268.3
LOOP DETECTOR TESTING	EACH	1
MODIFY EXISTING CONTROLLER	EACH	1

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT DETAILS

ILL. RTE. 47 (BRIDGE STREET) & SOMONAUK STREET

SCALE: VERT.
HORIZ.
DATE 3/5/2004

DRAWN BY BRD
CHECKED BY KMM

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108,109)RS4	KENDALL	34	23
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 66433

GENERAL NOTES

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION OF ALL EXISTING TRAFFIC SIGNAL ITEMS SHOWN IN THE PLANS PRIOR TO CONSTRUCTION.
2. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING OF CONSTRUCTION. (J.U.L.I.E. 800-892-0123)
3. THE TRAFFIC SIGNAL SECTION SHALL BE NOTIFIED AT 815-434-8506 FOR THE TIMING SEQUENCE OF THE SIGNALS, AT LEAST 72 HOURS PRIOR TO INSTALLING THE DETECTOR LOOPS, AND OF THE RESULTS OF THE LOOP DETECTOR TESTING.
4. ALL DETECTOR LOOP HARNESSES SHALL BE FURNISHED WITH PLASTIC TAGS LABELED WITH RESPECTIVE PHASES AND DIRECTION AS DIRECTED BY THE ENGINEER. MINIMUM TAG SIZE SHALL BE 13MM(0.5") BY 25MM(1"). ALL DETECTOR AMPLIFIERS SHALL BE LABELED THE SAME AS THE HARNESS WITH A REMOVABLE TAG. TAGS SHALL BE MADE OF A MATERIAL THAT DOES NOT ALLOW WRITING TO FADE OVER TIME.
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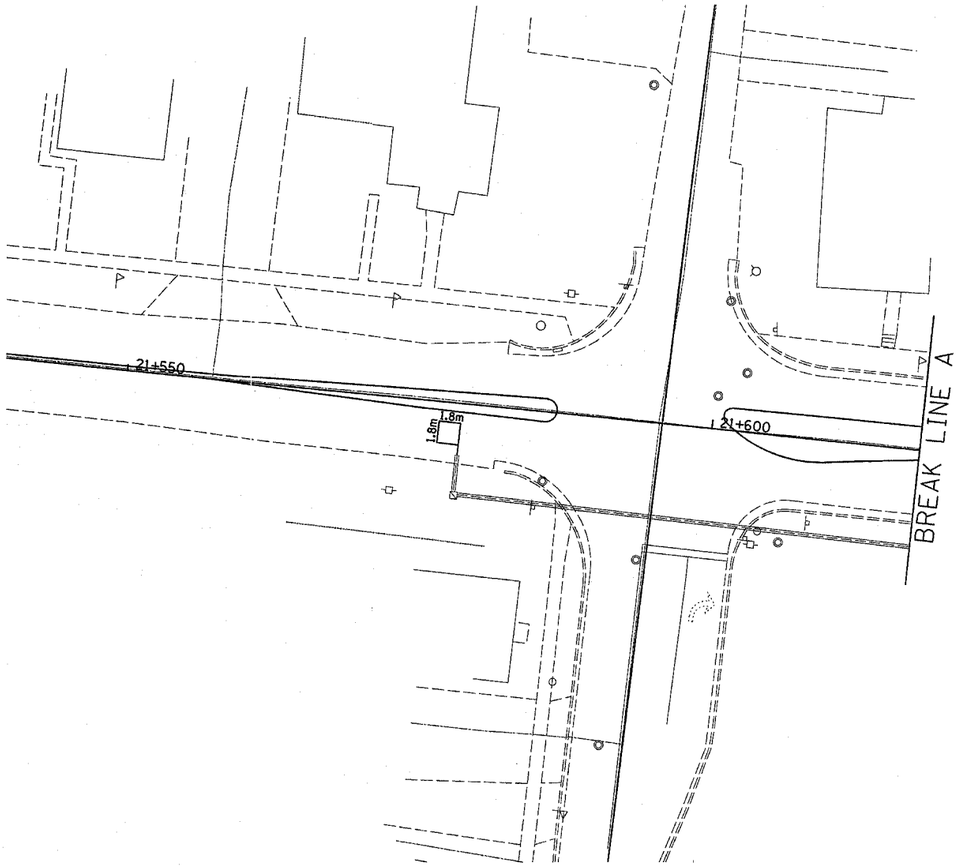
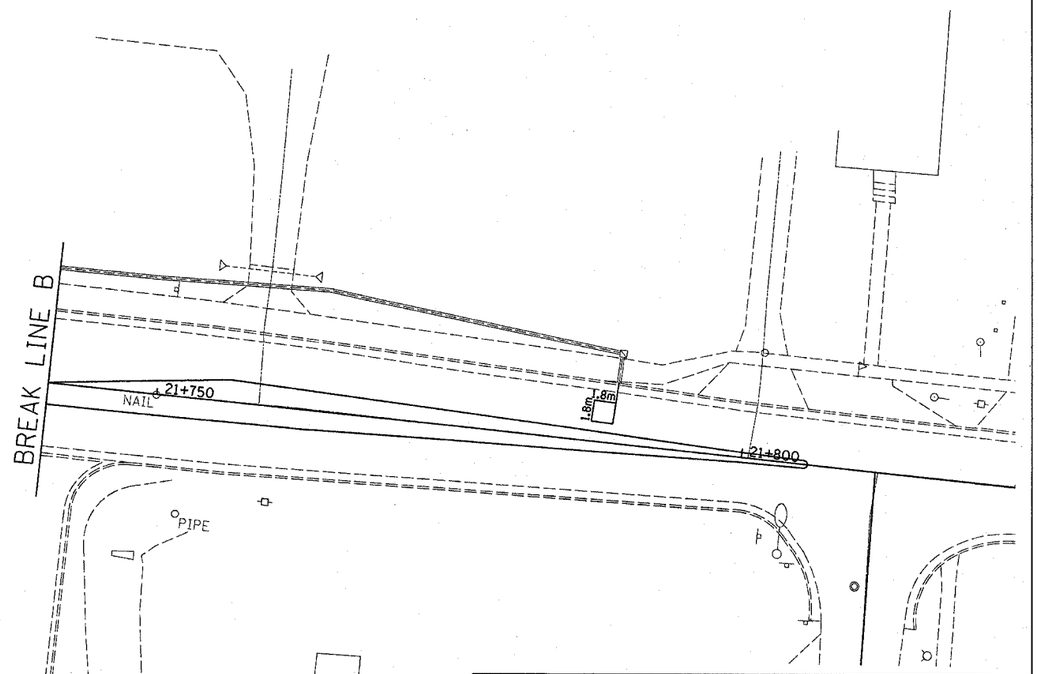
6. THE DETECTOR LOOP SHALL BE INSTALLED IN THE MILLED SURFACE BEFORE THE FINAL LAYER OF BITUMINOUS IS IN PLACE.
7. ONLY LOOPS DAMAGED BY CONSTRUCTION OR AT LOCATIONS DIRECTED BY THE ENGINEER SHALL BE REPLACED.





REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT DETAILS

ILL. RTE. 47 (BRIDGE STREET) & LANDMARK DRIVE

SCALE: VERT. 1"=20'
HORIZ.
DATE 3/5/2004

DRAWN BY BRD
CHECKED BY KMM

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108,109)RS4	KENDALL	34	24
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 66433

GENERAL NOTES

1. IT IS THE CONTRACTOR'S RESPONSIBILITY TO FIELD VERIFY THE LOCATION OF ALL EXISTING TRAFFIC SIGNAL ITEMS SHOWN IN THE PLANS PRIOR TO CONSTRUCTION.
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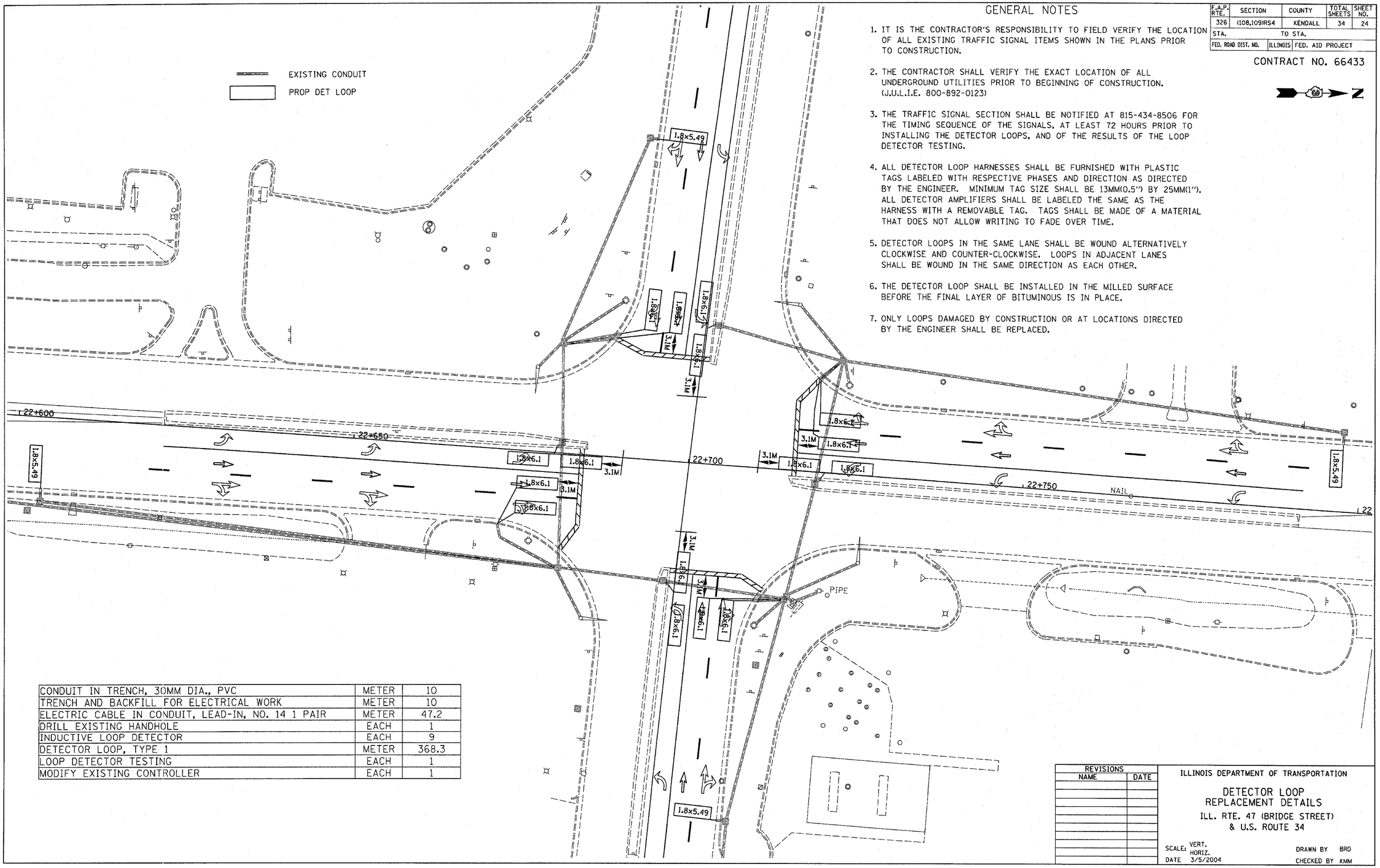
7. ONLY LOOPS DAMAGED BY CONSTRUCTION OR AT LOCATIONS DIRECTED BY THE ENGINEER SHALL BE REPLACED.

EXISTING CONDUIT

PROP DET LOOP



CONDUIT IN TRENCH, 30MM DIA., PVC	METER	10
TRENCH AND BACKFILL FOR ELECTRICAL WORK	METER	10
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	METER	47.2
DRILL EXISTING HANDHOLE	EACH	1
INDUCTIVE LOOP DETECTOR	EACH	9
DETECTOR LOOP, TYPE 1	METER	368.3
LOOP DETECTOR TESTING	EACH	1
MODIFY EXISTING CONTROLLER	EACH	1

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT DETAILS

ILL. RTE. 47 (BRIDGE STREET) & U.S. ROUTE 34

SCALE: VERT.
HORIZ.
DATE 3/5/2004

DRAWN BY BRD
CHECKED BY KMM

Existing Structure: Structure No. 047-0048, built under Section 13D-BR in 1984 along F.A. Route 100, is 189.67m back to back abutments and 22.10m out to out deck. The superstructure consists of 7 spans of 1.37m P.P.C. I-beams supporting 190mm concrete deck. The substructure consists of spill thru abutments on piles and solid concrete piers keyed into rock, except Piers 4 and 5 which are supported on steel H piles. The existing structure deck shall be repaired utilizing Stage Construction so as to maintain one lane traffic in each direction during repairs.

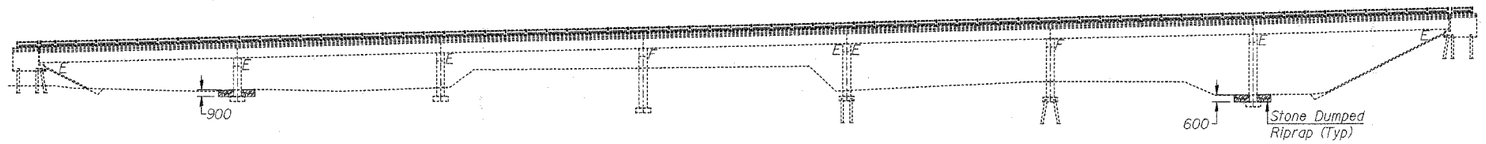
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 326	*	KENDALL	34	25
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 1
7 SHEETS

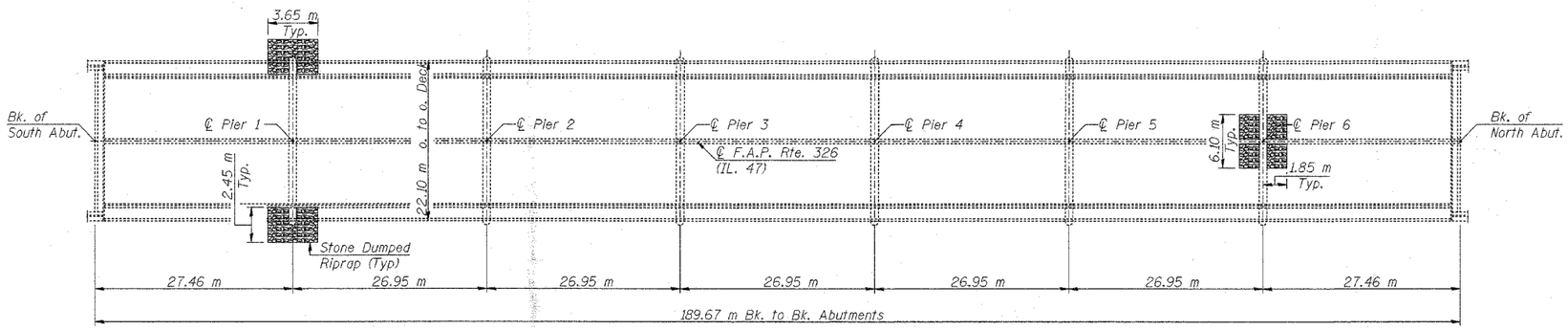
*(108,109)RS-4 Contract No. 66433

GENERAL NOTES

1. Plan dimensions and details relative to existing plans are subject to routine 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 the work, however, the Contractor will be paid for the quantity actually furnished based upon the unit price bid for the work.
2. Placement of Stone Dumped Riprap may be varied in the field to suit ground conditions as directed by the Engineer.
3. All dimensions are in millimeters (mm) except as noted.



ELEVATION



PLAN

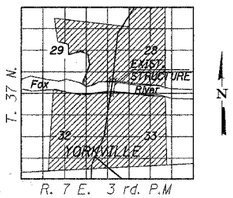
TOTAL BILL OF MATERIAL

	Item	Unit	Total
	Deck Slab Repair (Full Depth, Type I)	Sq. M	3.4
*	Deck Slab Repair (Partial)	Sq. M	0.4
	Structural Repair of Concrete (Depth equal to or less than 125 mm)	Sq. M	3.2
	Silicone Joint Sealer, 25 mm	Meter	189
	Neoprene Exp. Jt., 100 mm	Meter	2
	Stone Dumped Riprap, Class A4	M Ton	73

* Only areas shown as Deck Slab Repair (Partial) between Beams 6 and 7 are included in this pay item.

SCOPE OF WORK

1. Perform Deck Slab Repair on deteriorated areas of bridge deck slab.
2. Perform Structural Repair of Concrete on deteriorated areas of curb, parapet and wingwall.
3. Remove and replace damaged section of neoprene joint at south abutment.
4. Remove damaged section of longitudinal joint in the median and replace with Silicone Joint Sealer.
5. Dump Stone Riprap at Piers 1 and 6.



LOCATION SKETCH

DESIGN STRESSES

FIELD UNITS

f'c=24 MPa
fy=400 MPa (Reinf.)

LICENSED STRUCTURAL ENGINEER ★ MICHAEL T. HALEY 81-5991 CHATHAM ★ STATE OF ILLINOIS

Michael T. Haley 1-18-06
Michael T. Haley — Date
Licensed Structural Engineer
State of Illinois No. 81-5991

LIN ENGINEERING, LTD.
210 N. Chestnut, Chatham, Illinois 62629
(217) 483-4868 FAX (217) 483-4706
Designed By: STD | Checked By: MTH | Drawn By: JMD
Date: 01/05 | File: 047004B.DGN

REVISIONS	
NAME	DATE

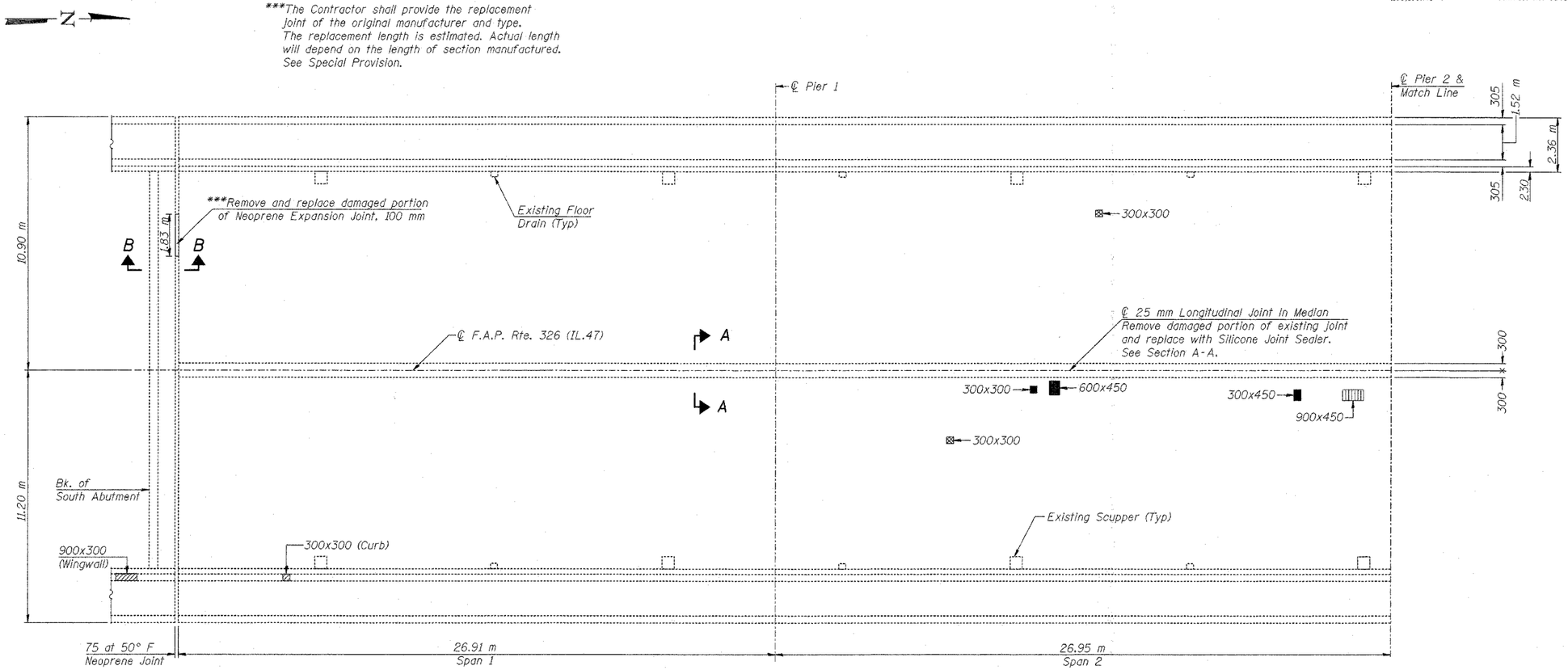
ILLINOIS DEPARTMENT OF TRANSPORTATION

PLAN & ELEVATION
F.A.P. 326 (IL RTE. 47)
OVER FOX RIVER
SECTION (108,109)RS-4
KENDALL COUNTY
S.N. 047-0048

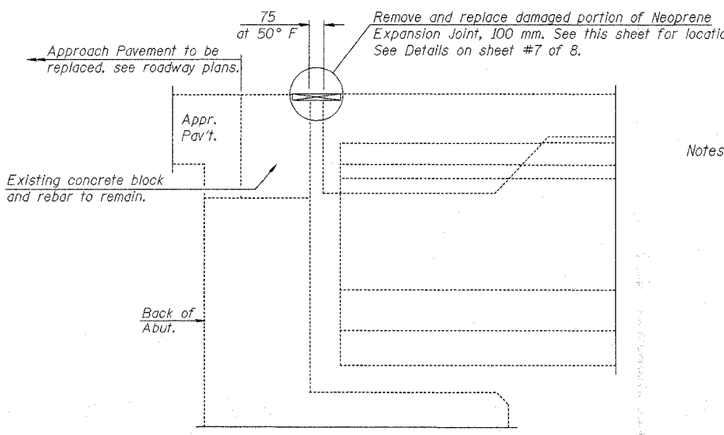
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 326	*	KENDALL	34	26
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

*(108,109)RS-4 Contract No. 66433

SHEET NO. 2 7 SHEETS



PARTIAL PLAN



SECTION B-B AT ABUTMENT

Notes: For details of Deck Slab Repair see Special Provision for "Deck Slab Repair".

See Sheet #6 of 8 for Cross Section.

For Sec. A-A see Sheet #3 of 8.

The quantities shown for estimating purposes only. Area to be repaired will be determined by the Engineer at the time of Construction. Actual repair locations shall be shown on the same as-built plans.

When replacing a Neoprene Expansion Joint, existing anchor bolts will need to be cut flush against the concrete and new anchor bolts will need to be epoxy grouted in between the existing anchor bolts.

LEGEND

* Deck Slab Repair (Partial)

Deck Slab Repair (Full Depth, Type I) (In areas without planks)

** Deck Slab Repair (Full Depth, Type I) (In areas with planks)

Structural Repair of Concrete (Depth equal to or less than 125 mm)

* Only areas between Beams 6 and 7 are included in this pay item.

** Paid for as indicated on sheet 6 of 7.

BILL OF MATERIAL

	Item	Unit	Total
	Deck Slab Repair (Full Depth, Type I)	Sq. M	0.7
*	Deck Slab Repair (Partial)	Sq. M	0.4
	Structural Repair of Concrete (Depth equal to or less than 125 mm)	Sq. M	0.4
	Silicone Joint Sealer, 25 mm	Meter	54
	Neoprene Exp. Jt., 100 mm	Meter	2

Deck Survey Date: 11/22/04

LIN ENGINEERING, LTD.
20 W. Chestnut, Chatham, Illinois 62629
(217) 483-8615 FAX (217) 483-4706
Designed By: STD | Checked By: MTH | Drawn By: JMD
Date 01/05 | Files 0470048.DGN

REVISIONS	
NAME	DATE

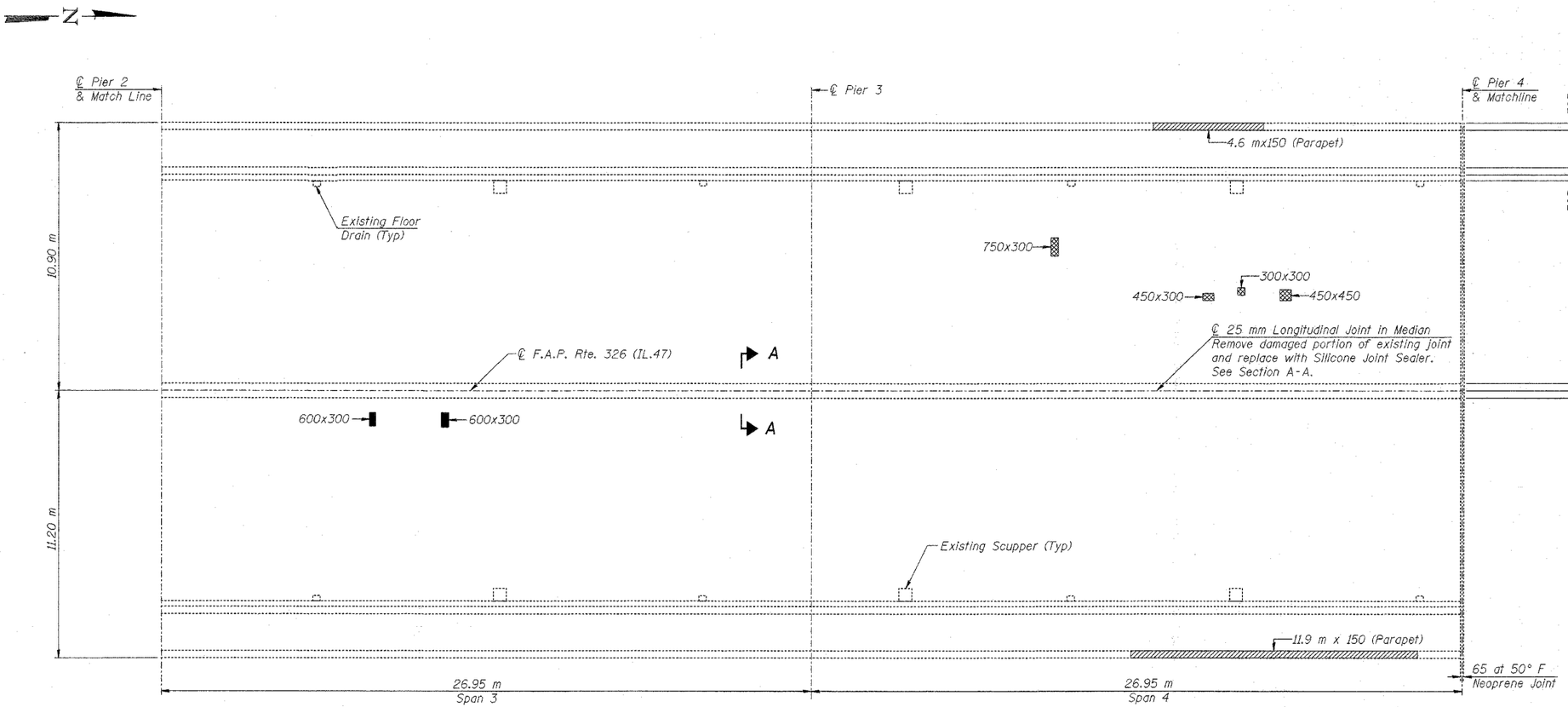
ILLINOIS DEPARTMENT OF TRANSPORTATION

DECK REPAIR-1
F.A.P. 326 (IL RTE. 47)
OVER FOX RIVER
SECTION (108,109)RS-4
KENDALL COUNTY
S.N. 047-0048

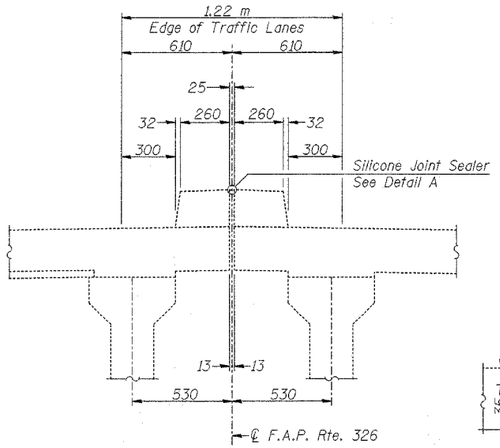
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 326	*	KENDALL	34	27
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 3
7 SHEETS

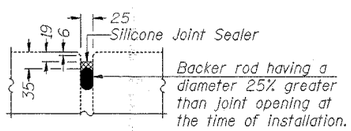
*(108,109)RS-4 Contract No. 66433



PARTIAL PLAN



SECTION A-A
(Looking North)



DETAIL A

Notes: For details of Deck Slab Repair see Special Provision for "Deck Slab Repair."

See Sheet #6 of 8 for Cross Section.

The quantities shown for estimating purposes only. Area to be repaired will be determined by the Engineer at the time of Construction. Actual repair locations shall be shown on the same as-built plans.

LEGEND

- Deck Slab Repair (Full Depth, Type I) (In areas without planks)
- * Deck Slab Repair (Full Depth, Type I) (In areas with planks)
- Structural Repair of Concrete (Depth equal to or less than 125 mm)

* Paid for as indicated on sheet 6 of 7.

BILL OF MATERIAL

Item	Unit	Total
Deck Slab Repair (Full Depth, Type I)	Sq. M	1.1
Structural Repair of Concrete (Depth equal to or less than 125mm)	Sq. M	2.5
Silicone Joint Sealer, 25 mm	Meter	54

Deck Survey Date: 11/22/04

REVISIONS	
NAME	DATE

LIN ENGINEERING, LTD.
210 W. Chestnut Chatham, Illinois 62629
(217) 483-4468 FAX (217) 483-4706
Designed By: STG | Checked By: MTH | Drawn By: JMD
Date: 01/05 | File: 047004B.DGN

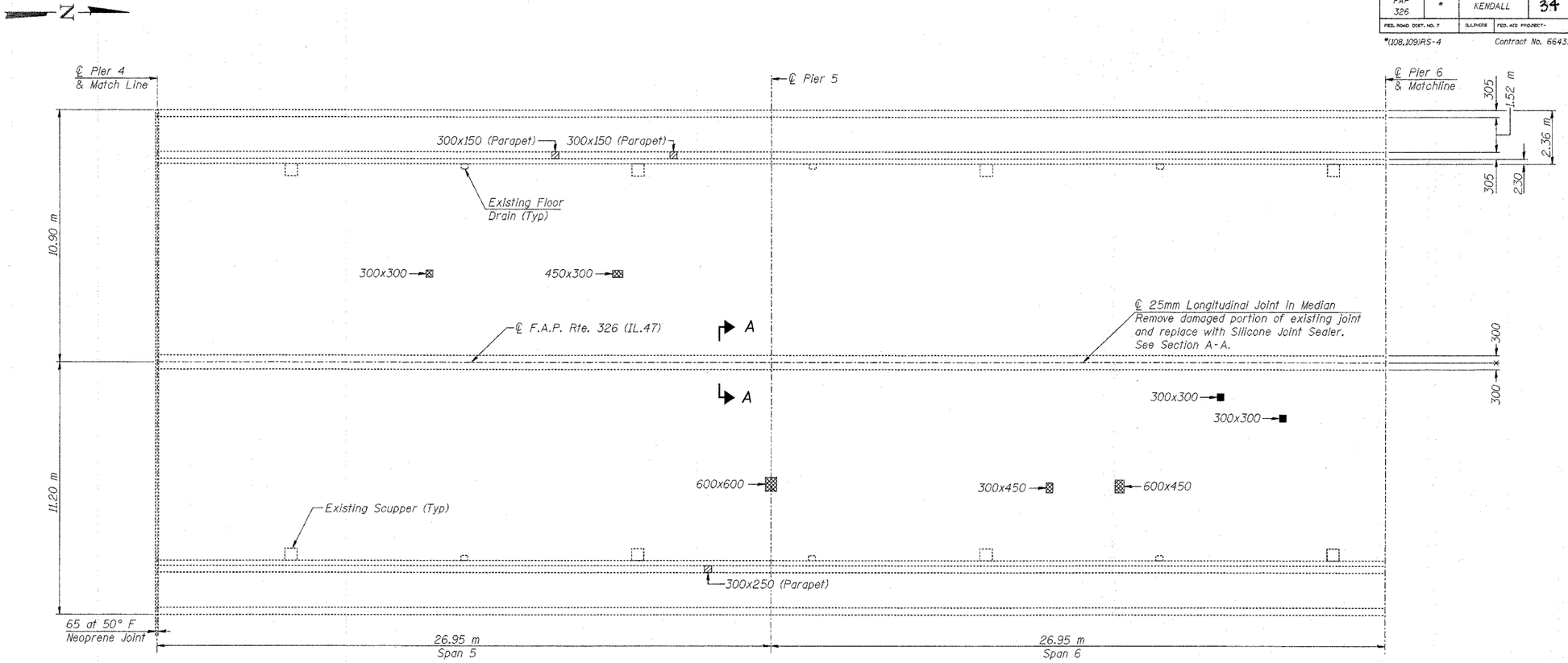
ILLINOIS DEPARTMENT OF TRANSPORTATION

DECK REPAIR-2
F.A.P. 326 (IL RTE. 47)
OVER FOX RIVER
SECTION (108,109)RS-4
KENDALL COUNTY
S.N. 047-0048

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 326	*	KENDALL	34	28
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

*(108,109)RS-4 Contract No. 66433

SHEET NO. 4
7 SHEETS



PARTIAL PLAN

Notes: For details of Deck Slab Repair see Special Provision for "Deck Slab Repair."

See Sheet #6 of 8 for Cross Section.

For Sec. A-A see Sheet #3 of 8.

The quantities shown for estimating purposes only. Area to be repaired will be determined by the Engineer at the time of Construction. Actual repair locations shall be shown on the same as-built plans.

LEGEND

- Deck Slab Repair (Full Depth, Type I) (In areas without planks)
- * Deck Slab Repair (Full Depth, Type I) (In areas with planks)
- Structural Repair of Concrete (Depth equal to or less than 125 mm)

* Paid for as indicated on sheet 6 of 7.

BILL OF MATERIAL

Item	Unit	Total
Deck Slab Repair (Full Depth, Type I)	Sq. M	1.2
Structural Repair of Concrete (Depth equal to or less than 125 mm)	Sq. M	0.2
Silicone Joint Sealer, 25 mm	Meter	54

Deck Survey Date: 11/22/04

LIN ENGINEERING, LTD.
210 W. Chestnut, Chatham, Illinois 62629
(217) 483-4468 FAX (217) 483-4704

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Date: 01/05 | File: 047D048.DGN

REVISIONS	
NAME	DATE

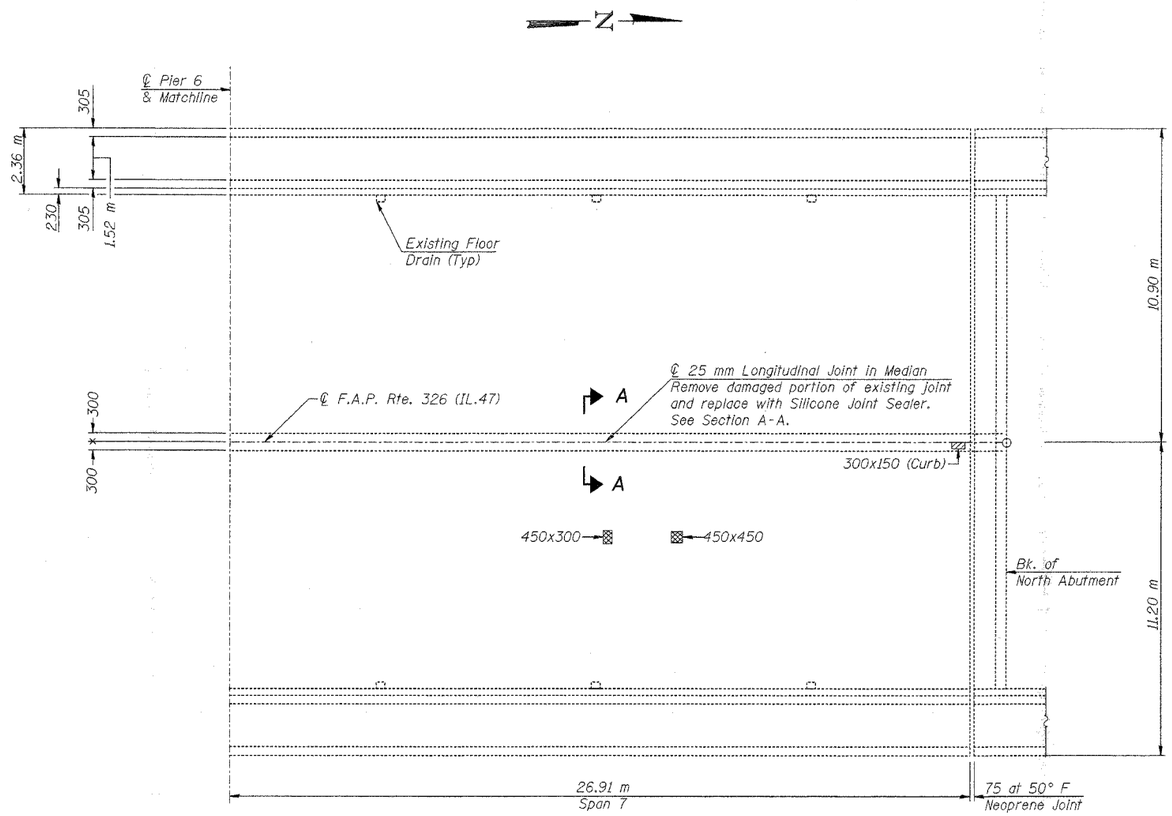
ILLINOIS DEPARTMENT OF TRANSPORTATION

DECK REPAIR-3
F.A.P. 326 (IL RTE. 47)
OVER FOX RIVER
SECTION (108,109)RS-4
KENDALL COUNTY
S.N. 047-0048

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 326	*	KENDALL	34	29
FED. ROAD DIST. NO. 7	ILLINOIS	FED. AID PROJECT-		

SHEET NO. 5
7 SHEETS

*(108,109)RS-4 Contract No. 66433



PARTIAL PLAN

Notes: For details of Deck Slab Repair see Special Provision for "Deck Slab Repair."

See Sheet #6 of 8 for Cross Section.

For Sec. A-A see Sheet #3 of 8.

The quantities shown for estimating purposes only. Area to be repaired will be determined by the Engineer at the time of Construction. Actual repair locations shall be shown on the same as-built plans.

LEGEND

* Deck Slab Repair (Full Depth, Type I) (In areas with planks)

Structural Repair of Concrete (Depth equal to or less than 125 mm)

* Paid for as indicated on sheet 6 of 7.

BILL OF MATERIAL

Item	Unit	Total
Deck Slab Repair (Full Depth, Type I)	Sq. M	0.4
Structural Repair of Concrete (Depth equal to or less than 125 mm)	Sq. M	0.1
Silicone Joint Sealer, 25 mm	Meter	27

Deck Survey Date: 11/22/04

REVISIONS	
NAME	DATE

LIN ENGINEERING, LTD.
20 W. Chestnut Chatham, Illinois 62629
(217) 483-4488 FAX (217) 483-4706
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Date: 01/05 | File: 047D048.DGN

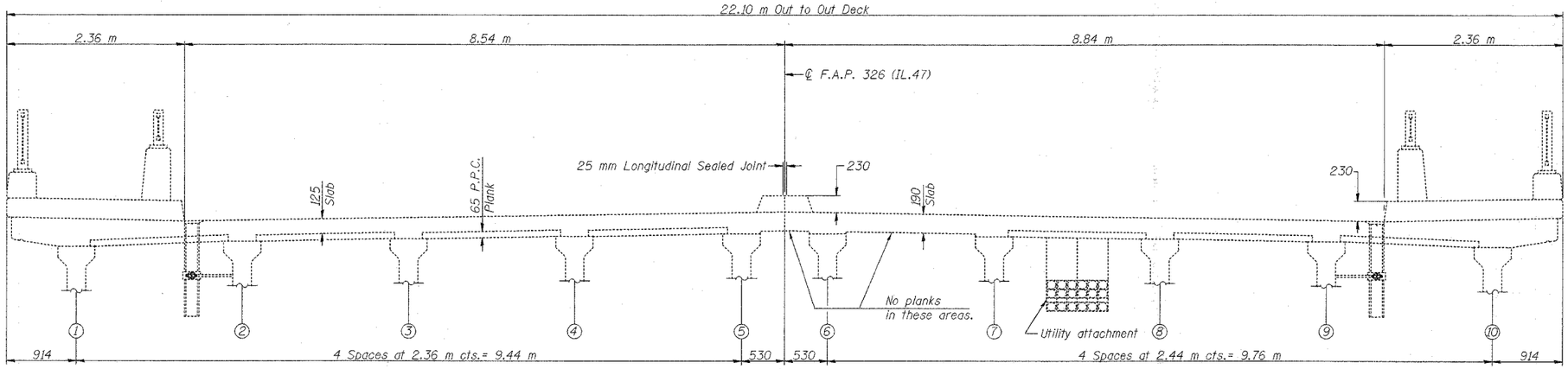
ILLINOIS DEPARTMENT OF TRANSPORTATION

DECK REPAIR-4
F.A.P. 326 (IL RTE. 47) OVER FOX RIVER
SECTION (108,109)RS-4
KENDALL COUNTY
S.N. 047-0048

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 326	*	KENDALL	34	30
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 6
7 SHEETS

*(108,109)RS-4 Contract No. 66433



CROSS SECTION

(Looking North)

Note: All deck slab repair in the deck area over the planks shall be paid for as Deck Slab Repair (Full Depth). However, the removal of the existing concrete shall only be to the existing P.P.C. plank. This area shall then be cleaned and the plank inspected for deterioration. If deterioration is found, the entire plank shall be removed and replaced with a full depth patched area with proper reinforcement detailed, as approved by the Engineer. This work will be paid for as Deck Slab Repair (Full Depth, Type II). The Contractor shall take all necessary precautions to protect the P.P.C. planks from getting damaged during deck slab repair. Should the planks be damaged, the entire plank area shall be removed and replaced with proper reinforcement detailed as approved by the Engineer, at the expense of the Contractor.

LIN ENGINEERING, LTD.
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Date: 01/05	Files: 047D04S.DGN	

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

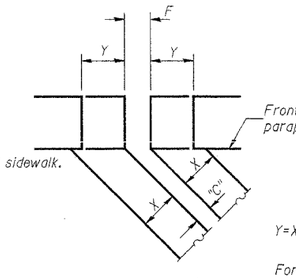
CROSS SECTION
F.A.P. 326 (IL RTE. 47)
OVER FOX RIVER
SECTION (108,109)RS-4
KENDALL COUNTY
S.N. 047-0048

Joint Size	"C" at 10 °C	"D" at 10 °C
50	50	40 Min.
65	65	45 Min.
100	75	65 Min.

INSTALLATION NOTES

1. Install continuous seal in roadway, parapet, curb, and sidewalk.
2. Install anchor blocks as indicated.

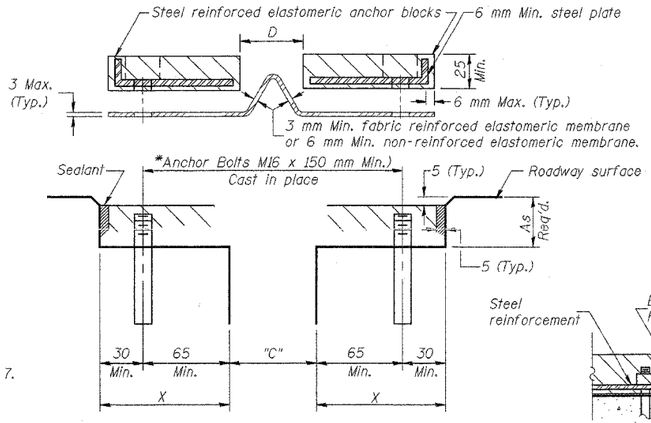
NOTE A: Maximum spacing of anchor bolts shall be 300 centers.



$Y = X - \left(\frac{F-C}{2}\right)$

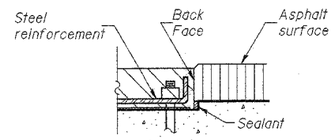
For dimension "F" see sheets 2 and 5 of 7.

FORMING BLOCKOUT SKETCH



CROSS SECTION

*Epoxy Grouted according to Section 584 of the Standard Specifications.

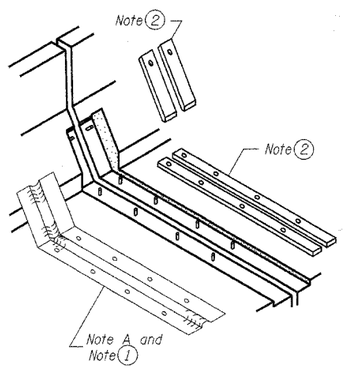


ANCHOR BLOCK WITH ASPHALT SURFACE

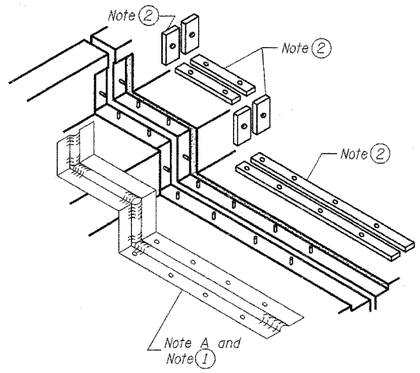
SKEW LIMITATIONS

The details of the anchor blocks and the elastomeric membrane in the parapet, as shown, are for up to 50° skews.

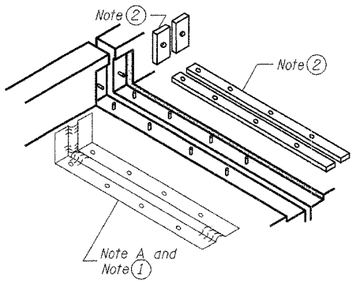
For skews greater than 50°, the anchor blocks and the elastomeric membrane, installed according to dimension "D", might require modifications to insure a minimum clearance of 40 mm from centerline of anchor studs to edge of parapet opening. The anchor blocks and the elastomeric membrane shall also be installed to the top of the parapet with the anchor studs spaced at ±300 cts.



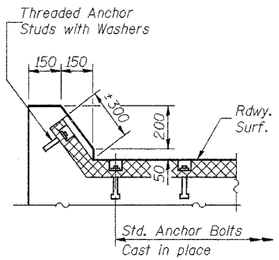
AT PARAPET



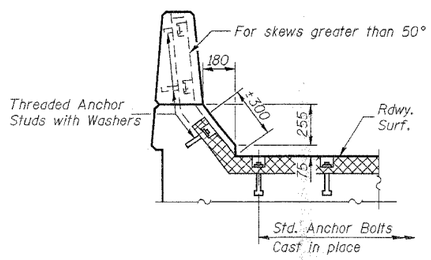
AT SIDEWALK OR MEDIAN



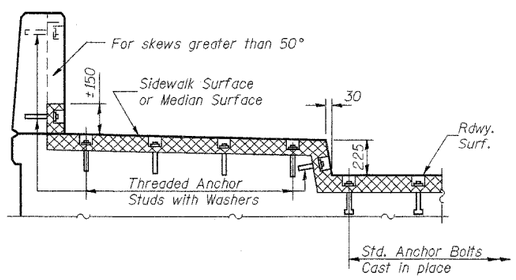
AT WALL



AT CURB

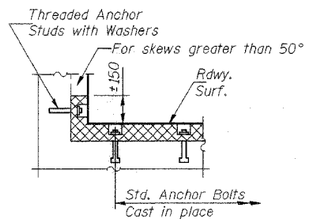


AT PARAPET



AT SIDEWALK OR MEDIAN

TYPICAL END TREATMENTS



AT WALL

GENERAL NOTES

Continuous Seal Neoprene Expansion Joint shall consist of molded anchor blocks of elastomer and steel, field assembled over continuous lengths of elastomeric membrane.

The elastomeric membrane shall be premolded with a single or a double upward convolution that will have a "memory" to return to its molded position upon joint closure.

The convolution length shall be such that the extended length will not be greater than the manufactured length when the joint is fully expanded in its design range and will not protrude above the anchor blocks when the joint is fully compressed.

Joint openings shall be adjusted according to Article 503.10(c) of the Standard Specifications when the deck is poured at an ambient temperature other than 10 °C.

The parapet and roadway membrane shall be made continuous by an approved vulcanizing process. Lapping will not be permitted.

All dimensions are in millimeters (mm) except as noted.

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAP 326	*	KENDALL	34	31
FED. ROAD DIST. NO. 7		ILLINOIS	FED. AID PROJECT-	

SHEET NO. 7
7 SHEETS

*(108,109)RS-4 Contract No. 66433

EJ-CS (M) 4-30-97

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Date: 01/05 | Files: 0470048.DGN

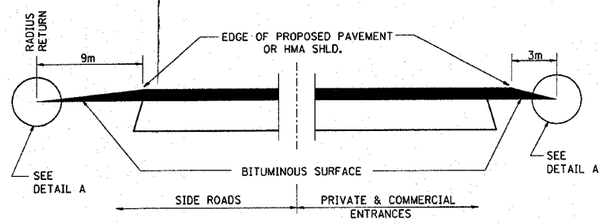
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

NEOPRENE EXPANSION JOINT
F.A.P. 326 (IL RTE. 47)
OVER FOX RIVER
SECTION (108,109)RS-4
KENDALL COUNTY
S.N. 047-0048

CONTRACT NO. 66433

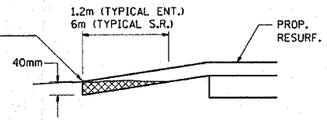
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108,109)RS4	KENDALL	34	32
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



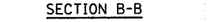
SECTION A-A

DETAILS AT ENTRANCES & SIDE ROADS

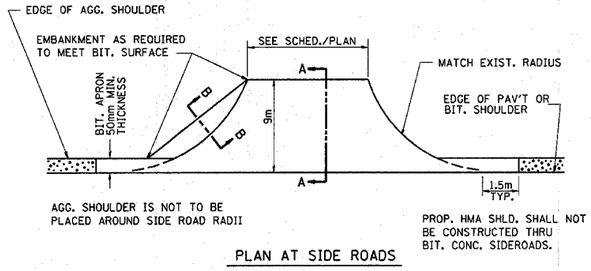
THE COST OF REMOVAL AT EXISTING BIT. OR P.C.C. LOCATIONS SHALL BE PAID FOR PER SQ. METER BY THE APPROPRIATE PAY ITEM. REMOVAL AT EXISTING AGG. LOCATIONS SHALL BE INCIDENTAL TO THE BITUMINOUS. A-3 LOCATIONS SHALL BE FEATHER TAPERED.



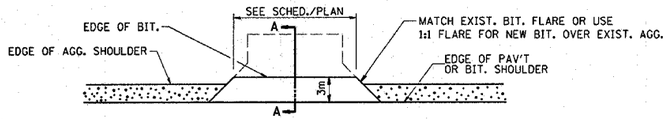
DETAIL A



SECTION B-B

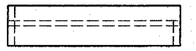


PLAN AT SIDE ROADS

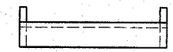


PLAN AT PRIVATE & COMMERCIAL ENTRANCES

(DO NOT RESURFACE FIELD ENTRANCES)

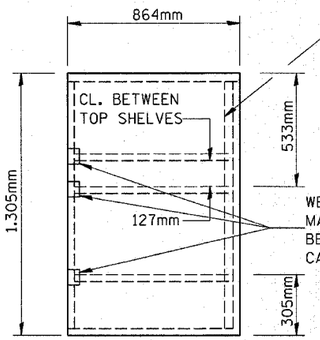


SHELF SIDE VIEW

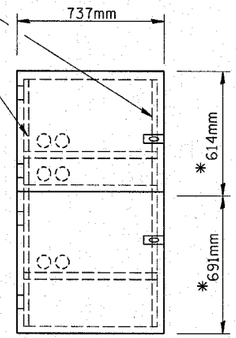


SHELF FRONT VIEW

13mm X 38mm FLAT STOCK WELD TO FORM DOOR FRAME AND ALSO AROUND PERIMETER OF EACH DOOR.

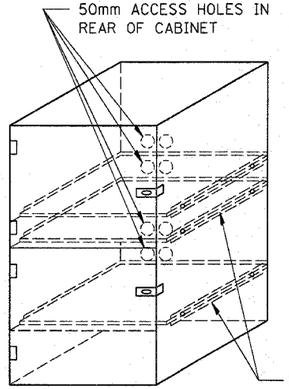


SIDE VIEW



FRONT VIEW

*ALLOWS FOR 5mm CLEARANCE AT TOP AND BOTTOM OF CABINET AND BETWEEN DOORS.



NOTES:

1. USE 16 GAUGE STEEL FOR CABINET.
2. THE TOP SHELF SHALL SLIDE IN OR OUT WITH THE TOP DOOR OPEN.
3. ALL HINGES AND HASPS WILL BE WELDED TO THE CABINET.
4. ALL EDGES SHALL BE GROUND SMOOTH.
5. TWO (50mm DIA.) ACCESS HOLES WILL BE REQUIRED FOR EACH SHELF.
6. CABINET SHALL BE PAINTED WITH TWO COATS OF FLAT PAINT.
7. 2 EACH MATCHING KEY PADLOCKS, WITH 3 KEYS PROVIDED, MASTER MODEL 3 T OR EQUIVALENT.
8. 4 EACH PLAIN STEEL, NON-REMOVABLE PIN, NO HOLE 100mmX100mm SQUARE CORNER HINGES TO BE WELDED ON.
9. 2 EACH EXTRA HEAVY, PLAIN STEEL, FIXED STAPLE, NO HOLE, 180mm HASPS TO BE WELDED ON.

LOCKABLE COMPUTER CABINET

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

DETAILS

SCALE: VERT. HORIZ.

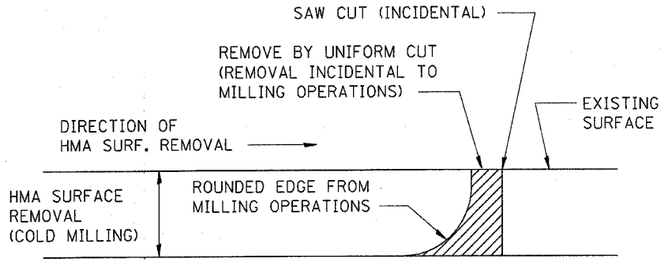
DATE

DRAWN BY

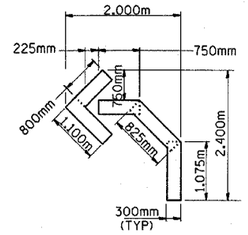
CHECKED BY

CONTRACT NO. 66433

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
326	(108,109)RS4	KENDALL	34	33
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

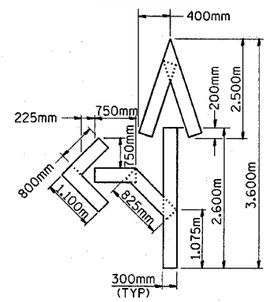


NOTE: WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE, THEN A SAW CUT SHALL BE USED TO MANUFACTURE A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL. THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE USE OF THIS DETAIL



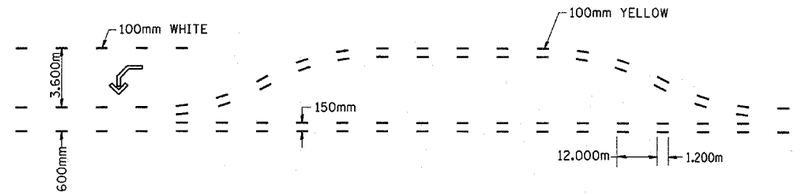
QUANTITY

300mm LINE = 4.800m
OR 100mm LINE = 14.400m

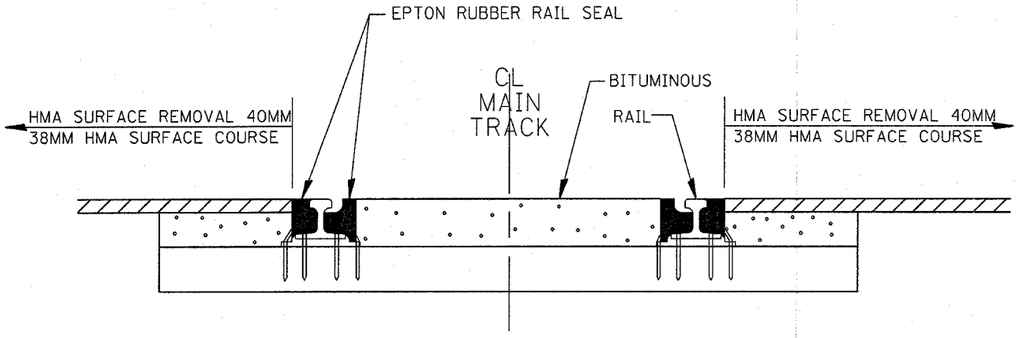


QUANTITY

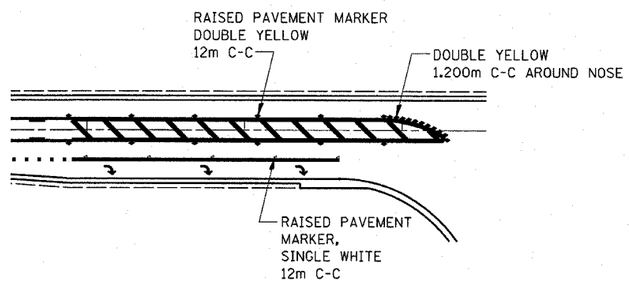
300mm LINE = 8.700m
OR 100mm LINE = 27.100m



SHORT-TERM PAVEMENT MARKING FOR MEDIANS AND ARROWS



HMA SURFACE REMOVAL AT
RAILROAD CROSSING DETAIL



RAISED REFLECTIVE PAVEMENT MARKERS
AT RIGHT TURN LANE

REVISIONS	
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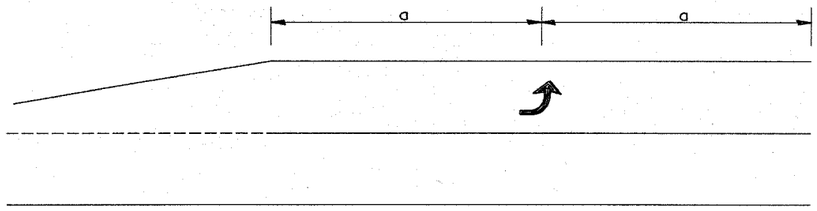
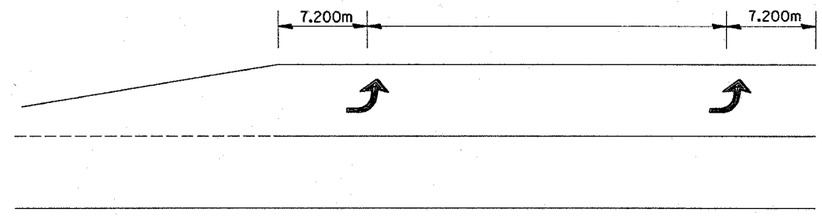
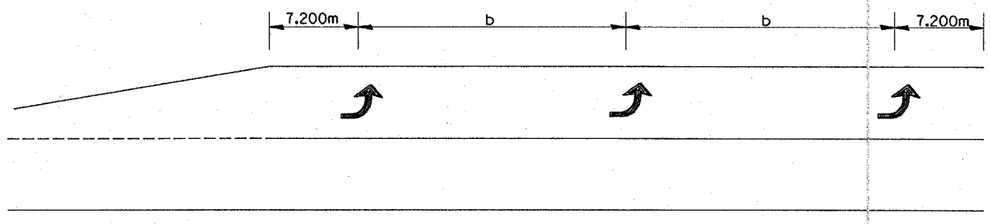
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



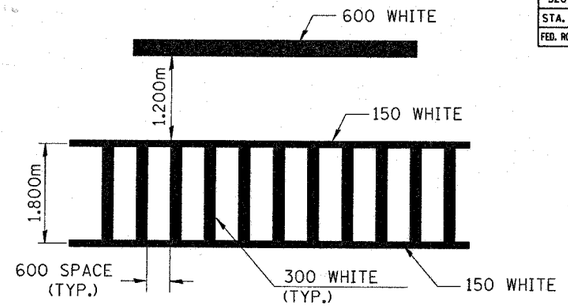
29.700m AND UNDER



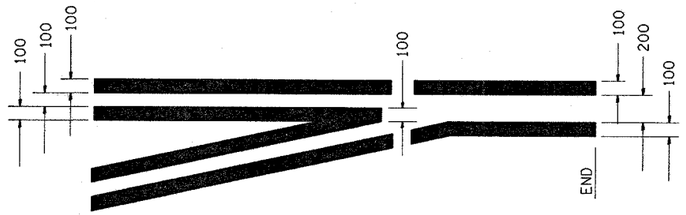
30m TO 44.700m



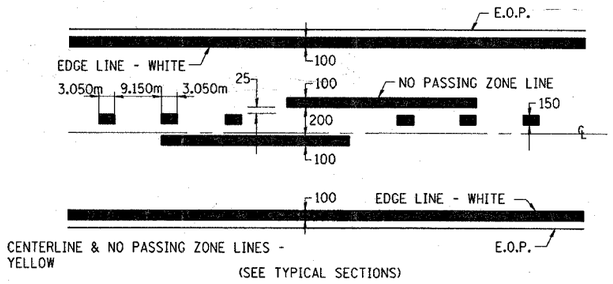
45m AND LONGER



TYPICAL SPACING DETAIL FOR
CROSSWALKS AND STOP BARS



TYPICAL APPLICATION
@ LEFT TURN LANES



PAVEMENT MARKING

REVISIONS NAME	DATE

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DATE

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