~~3-5-10 Letting, Item 112~~

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	09-00247-00-RS	COOK	27	1
FED ROAD DISTR. No. 1	ILLINOIS	CONTRACT NO. 63377		

63397

INDEX OF SHEETS:

PROJECT LOCATED IN THE VILLAGE OF OAK PARK

TRAFFIC DATA:
POSTED SPEED LIMIT 30 MPH
RIDGELAND AV CLASS - COLLECTOR(URBAN)
RIDGELAND FROM ROOSEVELT TO GARFIELD ADT=9,700
RIDGELAND FROM DIVISION TO NORTH AVE ADT=16,600

0 100' 200' 300' — 1'' = 100'
0 10' 20' 30' — 1'' = 10'
0 50' 100' — 1'' = 50'
0 50' 100' — 1'' = 40'
0 50' 100' — 1'' = 30'
0 50' 100' — 1'' = 20'

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

CONTRACT No. 63397

REVISED: NOV 25, 2009 BY RB

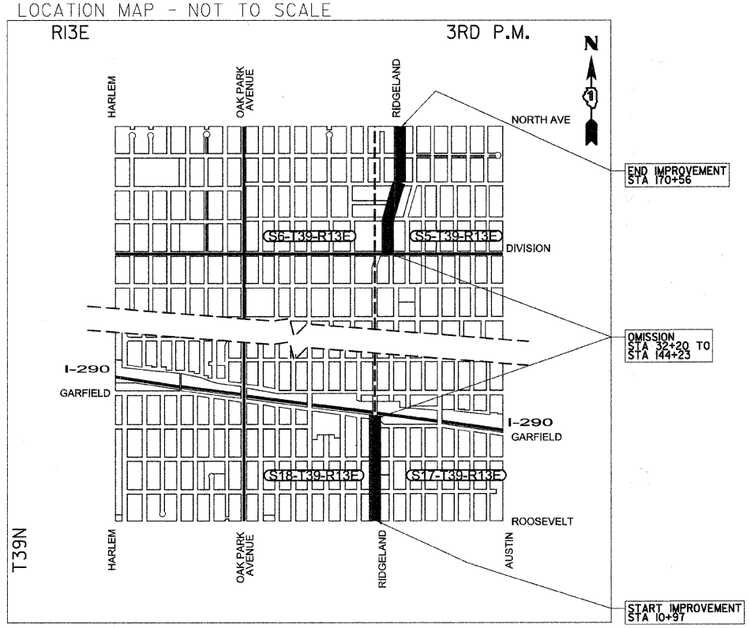
COMPANY: VILLAGE OF OAK PARK
PROJECT CONTACT: ROMAN BABINSKI, JAMES BUDRICK
FILE NAME: 1 TITLESHEET RIDGELAND2009.DGN
FIELD ENGINEER: MARILIN SOLOMON, TEL 847-705-4407

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

FAU ROUTE 2783 (RIDGELAND AVE)
FROM ROOSEVELT RD TO GARFIELD ST
FROM DIVISION ST TO NORTH AVE
RESURFACING
SECTION 09-00247-00-RS
PROJECT ARA-9003 (505)
VILLAGE OF OAK PARK
COOK COUNTY
C-91-124-10

LOCATION MAP - NOT TO SCALE



PROJECT LENGTH
GROSS LENGTH = 15,959 FT = 3.023 MILES
NET LENGTH = 4,756 FT = 0.901 MILES
OMISSION LENGTH = 11,203 FT

LOCATION OF SECTION INDICATED THUS: ▬

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED NOV 24 2009
VILLAGE OF OAK PARK, VILLAGE ENGINEER

PASSED DECEMBER 3 2009
DISTRICT ONE ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID BASED ON LIMITED REVIEW DECEMBER 9, 2009
DEPUTY DIRECTOR OF HIGHWAYS, REGION ONE ENGINEER

PROFESSIONAL ENGINEER'S SIGN & SEAL

ROMAN W BABINSKI
LICENSED PROFESSIONAL ENGINEER
STATE OF ILLINOIS

ROMAN BABINSKI, P.E.
EXPIRES: 11-30-11

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET No.
2783	09-00247-00-RS	COOK	27	2
PLAN NOTES, HIGHWAY STANDARDS AND DETAILS				
FED. ROAD DISTR. No. 1	ILLINOIS	CONTRACT NO. 63397		

GENERAL NOTES

1. THE CONTRACTOR SHALL CALL J.U.L.I.E. AT 800-892-0123 OR 811
2. ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS AND SPECIAL PROVISIONS SHALL BE INTERPRETED TO BE THE LAST STANDARDS OF THE ILLINOIS DEPARTMENTS OF TRANSPORTATION AND THE VILLAGE OF OAK PARK.
3. THE LOCATION AND ELEVATION OF THE VARIOUS UNDERGROUND UTILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL COORDINATE VARIOUS CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.
4. ELEVATIONS ARE BASED ON CITY OF CHICAGO DATUM 1929 ADJUSTEMENT, WHERE 0.00 C.C.D. = 579.48 FEET ABOVE MEAN SEA LEVEL.
5. BENCH MARKS ON OLD FIRE HYDRANTS: TOP OF THE 1ST BOLT AFTER ARROW HEAD. BENCH MARKS ON NEWER 4-BOLT HYDRANTS: TOP OF THE NORTH-EAST OR TAGGED BOLT.
6. THE CONTRACTOR SHALL MAINTAIN POSITIVE DRAINAGE DURING THE CONSTRUCTION.
7. THE CONTRACTOR TO PROTECT ALL EXISITNG PLANTS AND TREES FOR WHICH THE CONTRACT DOES NOT PROVIDE REMOVAL. THE PROTECTION OF PLANT AND TREES AND THE REPAIR OR REPLACEMENT SHALL BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF STANDARD SPECIFICATIONS.
8. SIDEWALK RAMPS ACCESSIBLE TO THE DISABLED SHALL BE PROVIDED AT ALL CROSSWALKS, DRIVEWAYS, AND ALLEYS.
9. THE CONTRACTOR TO MAINTAIN PEDESTRIAN AND VEHICULAR ACCESS TO ALL PRIVATE AND COMMERCIAL PROPERTIES DURING THE CONSTRUCTION. IF NECESSARY, THE CONTRACTOR TO NOTIFY THE ENGINEER ABOUT SCHEDULED DRIVEWAYS REMOVAL MINIMUM 6 DAYS IN ADVANCE.
10. THE CONTRACTOR TO CONTACT THE VILLAGE OF OAK PARK FOR A WATER METER.
11. ACTUAL LOCATION AND SIZE OF BASE PATCHES WILL BE DETERMINED IN THE FIELD. NO COMPENSATION WILL BE ALLOWED FOR NOT USED PATCHING QUANTITIES.
12. ALL SURFACE AND FULL DEPTH PAVEMENT SAWCUTTING SHALL BE CONSIDER INCLUDED IN THE COST OF REMOVAL ITEMS.
13. THE CONTRACTOR TO NOTIFY ENGINEER OF ANY ABNORMAL, UNSOUND, AND/OR DETORIORATED CONDITIONS OF PAVEMENT BASES, PIPES AND STRUCTURES WHICH ARE NOT SCHEDULED FOR REMOVAL/REPAIR.
14. NO SEWER WORK IS ALLOWED PRIOR TO ISSUANCE OF MWRD PERMIT.
15. UNLESS OTHERWISE DIRECTED, ALL EXISTING DRAIN TILES ENCOUNTERED AND NOT SHOWN ON THE PLANS SHALL BE RECONNECTED.
16. SEWER TRENCHES SHALL BE TEMPORARY BACKFILLED AT THE END OF WORKING DAY. SECURED STEEL PLATE IS ALLOWED ONLY WITH APPROVAL OF THE ENGINEER.
17. ALL RADII ON ALLEY RETURNS SHALL BE OF 8 FEET, AND ALL RADII ON LOCAL STREET INTERSECTION CORNERS SHALL BE OF 15 FEET, UNLESS OTHERWISE INDICATED.
18. THE CONTRACTOR TO PROTECT NEWLY INSTALLED PAVEMENTS. ANY PAVEMENT DAMAGED OR VANDALISED DURING CURING SHALL BE REMOVED AND REPLACED WITH NO ADDITIONAL COMPANSATION.
19. CALCULATION RATES FOR SELECTED ITEMS:
    BITUM MATERIAL PRIME COAT
    0.07 GAL/SQYD FOR ASPHALT, BRICK, PCC BASES
    0.30 GAL/SQYD FOR AGGREGATE BASES
    HMA MIXES 112 LBS/SQYD/INCH

HIGHWAY STANDARDS

000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001-05	CURB RAMPS FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
602001-01	CATCH BASIN TYPE A
602301-02	INLET TYPE A
602401-02	MANHOLE TYPE A
602501-01	VALVE VAULT TYPE A
604001-03	FRAME AND LID TYPE 1
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701501-05	URBAN LANE CLOSURE 2L 2W UNDIVIDED
701606-06	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-06	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-04	LANE CLOSURE MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901-01	TRAFFIC CONTROL DEVICES
886001-01	DETECTOR LOOP INSTALLATION
780001-02	TYPICAL PAVEMENT MARKINGS

DISTRICT ONE DETAILS

TS-05	STANDARD TRAFFIC SIGNAL DESIGN	SHEET 18
TS-07	DETECTOR LOOP INSTALLATION	SHEET 19
BD-8	FRAMES AND LIDS ADJUSTEMENT WITH MILLING	SHEET 20
BD-22	PAVT PATCHING FOR HMA SURFACED PAVEMENT	SHEET 21
BD-24	CURB AND CURB AND GUTTER REMOVAL AND REPL	SHEET 22
BD-32	BUTT JOINT AND HMA TAPER	SHEET 23
BD-33	HMA TAPER AT EDGE OF PCC PAVEMENT	SHEET 24
TC-10	TRAFFIC CTRL AND PROTECTION FOR SIDE ROADS	SHEET 25
TC-13	TYPICAL PAVEMENT MARKINGS	SHEET 26
TC-16	PAVT MARKINGS LETTERS AND SYMBOLS FOR TRAFFIC STAGING	SHEET 27
TC-21	TYPICAL MARKING FOR CLOSING STATE HIGHWAY	SHEET 28

VILLAGE OF OAK PARK DETAILS, SHEET 29

VOP-P1	CONTINUOUS PAVING OPERATION THROUGH INTERSECTION
VOP-C2	TYPICAL SIDEWALK RAMP - PAY ITEMS LIMITS

REVISIONS:	
Oct 24, 2009	RB
Dec 2, 2009	RB
Dec 16, 2009	RB

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.U. ROUTE 2783 - RIDGELAND AVENUE

PLAN NOTES, HIGHWAY STANDARDS AND DISTRICT DETAILS

SCALE: 1"=20' (24X36) HALF SIZE (11X17) DRAWN BY: RB
DATE: 9/10/09 CHECKED BY: JB

VILLAGE OF OAK PARK ENGINEERING DIVISION	PROJECT No. 09-00247-00-RS	PROJECT NAME: STREETS RESURFACING FILE NAME: 2_PlanNotes&Standards.dgn	RIDGELAND AVENUE

SHEET: 2

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET No.
2783	09-00247-00-RS	COOK	27	3
SCHEDULES AND SUMMARY OF QUANTITIES				
FED. ROAD DISTR. No. 1	ILLINOIS	CONTRACT NO. 63397		

FRAME AND LID ADJUSTMENT

STATION	OFFSET	
12+32	ON C.L.	
12+38	*10 LT*	*BY OTHERS*
13+90	ON C.L.	
15+73	14 RT	
17+22	ON C.L.	
20+36	ON C.L.	
22+26	14 RT	
23+54	10 RT	
23+85	ON C.L.	
23+97	18 RT	
24+18	18 RT	
24+36	10 RT	
27+10	ON C.L.	
28+91	16 RT	
30+25	9 RT	
30+58	*10 LT*	*BY OTHERS*
31+51	21 LT	
31+65	14 RT	
31+96	40 LT	
32+00	30 LT	
144+55	22' RT	
144+63	15' RT	
145+85	11 RT	
148+62	10 RT	
150+57	10 RT	
151+05	ON C.L.	
152+83	ON C.L.	
154+47	18 LT	
154+63	ON C.L.	
155+89	ON C.L.	
157+18	ON C.L.	
157+95	5 LT	
158+44	16 LT	
158+64	23 RT	
158+78	39 RT	
158+88	31 RT	
160+08	ON C.L.	
161+38	ON C.L.	
162+95	ON C.L.	
164+30	ON C.L.	
166+05	ON C.L.	
167+50	ON C.L.	
169+05	ON C.L.	
170+43	5' RT	
170+60	ON C.L.	
TOTAL	**43**	EA

HMA SURF REM - BUTT JOINT

STATION	OFFSET	SQ YD
11+00	ON C.L.	30
17+30	40' LT	18
17+30	40' RT	18
24+00	40' LT	18
24+00	40' RT	18
31+00	63' RT	18
31+90	ON C.L.	40
32+05	ON C.L.	45
144+23	ON C.L.	30
144+30	50' LT	15
151+00	50' RT	30
151+00	50' LT	30
154+50	55' LT	25
158+50	50' LT	25
158+60	50' RT	20
164+20	50' RT	18
164+20	50' LT	18
170+50	ON C.L.	24
TOTAL		**440**

CLASS C PATCH

STATION	OFFSET	AREA SQYD	CLASS
23+30	CL	10	II
27+30	5' RT	10	II
31+40	15' LT	18	III
31+40	CL	15	III
31+40	15' RT	27	III
31+50	40' LT	14	II
31+88	55 LT	2	I
152+30	LT	40	IV
160+20	CL	35	IV
161+50	RT	15	III
162+40	LT	18	III
163+75	LT	18	III
TOTAL	2	I	
	34	II	
	111	III	
	75	IV	
	222	SQYD	

COMB C C&G REM&REPL

STATION	OFFSET	LENGTH
31+00	LT	10
32+00	LT	20
144+45	RT	15
145+50	RT	20
148+80	RT	20
152+50	LT	40
153+20	RT	150
155+50	LT	30
159+00	RT	505
166+60	LT	20
168+75	LT	20
170+50	LT	20
SIDEWALK RAMPS, FOR LOCATIONS SEE		825
TOTAL		**1,695**

DETECTOR LOOP REPLACEMENT

STA	OFFSET	LIN FT
21+05	RT	41
23+90	LT	87
24+10	RT	87
26+90	LT	41
28+05	RT	41
31+20	RT	105
31+75	LT	87
146+90	LT	41
154+25	LT	130
170+10	RT	110
TOTAL		**770**

PayItem Code		Item Description	Unit (1000)	Total	Roosevelt - Garfield	Division - North Ave
31101200		SUB-BASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	**625**	200	425
40300100		BITUMINOUS MATERIALS (PRIME COAT)	GALLON	**2,095**	885	1210
40600300		AGGREGATE (PRIME COAT)	TON	**21**	9	12
40600535		LEVELING BINDER (HAND METHOD), N70	TON	**15**	15	
40600635		LEVELING BINDER (MACHINE METHOD), N70	TON	**1,465**	630	835
40600895		CONSTRUCTING TEST STRIP	EACH	**1**	1	
40600982		HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	**440**	205	235
40600985		PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	**60**	60	
40603340		HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	**2,085**	900	1,185
42400200		PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	**1,850**	755	1,095
42400800		DETECTABLE WARNINGS	SQ FT	**730**	260	470
44000161		HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	**20,880**	8,810	12,070
44000600		SIDEWALK REMOVAL	SQ FT	**1,850**	755	1,095
44001700	*	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	**1,695**	445	1,250
44201373		CLASS C PATCHES, TYPE I, 12 INCH	SQ YD	**2**	2	
44201377		CLASS C PATCHES, TYPE II, 12 INCH	SQ YD	**35**	35	
44201381		CLASS C PATCHES, TYPE III, 12 INCH	SQ YD	**115**	60	55
44201383		CLASS C PATCHES, TYPE IV, 12 INCH	SQ YD	**75**		75
44300200		STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	**14,270**	6,370	7,900
60257700	*	MANHOLE ADJUSTING RING	EACH	**2**	1	1
60257900		MANHOLES TO BE RECONSTRUCTED	EACH	**2**	2	
60266600		VALVE BOXES TO BE ADJUSTED	EACH	**4**	1	3
60300305		FRAMES AND LIDS TO BE ADJUSTED	EACH	**43**	18	25
67100100		MOBILIZATION	L SUM	**1**	0.5	0.5
70102620		TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	**1**	0.4	0.6
70102625		TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	**1**	0.3	0.7
70102635		TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	**1**	0.3	0.7
70102640		TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	**1**	0.3	0.7
70300610		TEMPORARY PAINT PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	**340**	150	190
70300625		TEMPORARY PAINT PAVEMENT MARKING LINE 4"	FOOT	**440**	200	240
70300660		TEMPORARY PAINT PAVEMENT MARKING LINE 24"	FOOT	**125**	70	55
78000100	Δ	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	**395**	180	215
78000200	Δ	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	**9,145**	4,150	4,995
78000400	Δ	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	**1,760**	1,065	695
78000500	Δ	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	**135**		135
78000600	Δ	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	**850**	255	595
78000650	Δ	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	**390**	130	260
88600600	Δ *	DETECTOR LOOP REPLACEMENT	FOOT	**770**	490	280
X0321020	*	PORTLAND CEMENT CONC SURF REM (COLD MILL) VARIABLE DEPTH	SQ YD	**400**	400	

Δ INDICATES SPECIALTY ITEMS

* ITEMS WITH SPECIAL PROVISION

HMA SURF REM VAR DP

FROM	TO	SQ YD
11+50	16+50	2,075
16+50	22+00	2,370
22+00	28+00	2,565
28+00	32+20	1,800
144+23	149+00	2,105
149+00	155+00	2,865
155+00	161+00	2,975
161+00	167+00	2,680
167+00	170+56	1,445
TOTAL		**20,880**

HMA LEV BINDER MM

FROM	TO	SQ YD
11+50	16+50	2,045
16+50	22+00	2,335
22+00	28+00	2,530
28+00	32+20	2,110
144+23	149+00	2,065
149+00	155+00	2,805
155+00	161+00	2,930
161+00	167+00	2,645
167+00	170+56	1,420
		SQ YD
TOTAL		**20,885**

VALVE BOX ADJUSTEMENT

STATION	OFFSET
31+53	13 RT
151+00	18' LT
158+90	46' RT
158+95	40' RT
TOTAL	**4**

MANHOLE RECON

STATION	OFFSET
31+51	21 LT
31+65	14 RT
TOTAL	**2**

TEMP PAINT PAVT MARKG LINE 24"

STATION	OFFSET	LIN FT
30+70	0'RT	15
31+20	30' RT	21
31+55	31' LT	12
32+15	0'LT	22
144+33	0 LT	19
144+34	28' LT	18
170+25	0 RT	18
TOTAL		**125**

PCC SURF REM - BUTT JOINT

STATION	OFFSET	SQ YD
31+75	ON C.L.	45
31+80	63' LT	15
TOTAL		**60**

HMA SURF CSE

FROM	TO	SQ YD
11+50	16+50	2,075
16+50	22+00	2,370
22+00	28+00	2,565
28+00	32+20	2,140
144+23	149+00	2,105
149+00	155+00	2,865
155+00	161+00	2,975
161+00	167+00	2,680
167+00	170+56	1,445
		SQ YD
TOTAL		**21,220**

PCC SURF REMOVAL

STATION	OFFSET	SQ YD
31+50	INTERSEC	400
TOTAL		**400**

HMA LEV BINDER HM

FROM	TO	SQ YD
31+85	32+20	150
TOTAL	**SQ YD**	**150**

REVISIONS:	
Nov 30, 2009	RB
Dec 2, 2009	RB
Dec 16, 2009	RB

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. ROUTE 2783 - RIDGELAND AVENUE

SCHEDULES AND SUMMARY OF QUANTITIES

SCALE: 1"=20' (24X36) HALF SIZE (11X17) | DRAWN BY: RB

DATE: 9/10/09 | CHECKED BY: JB

VILLAGE OF OAK PARK
ENGINEERING DIVISION

PROJECT NO. 09-00247-00-RS

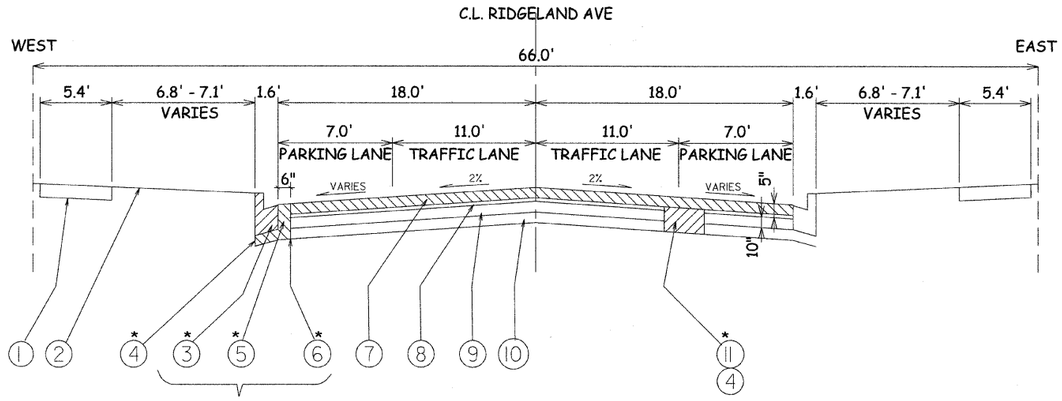
PROJECT NAME: STREETS RESURFACING

FILE NAME: 3_Summary0fQty+Schedules.dgn

RIDGELAND AVENUE

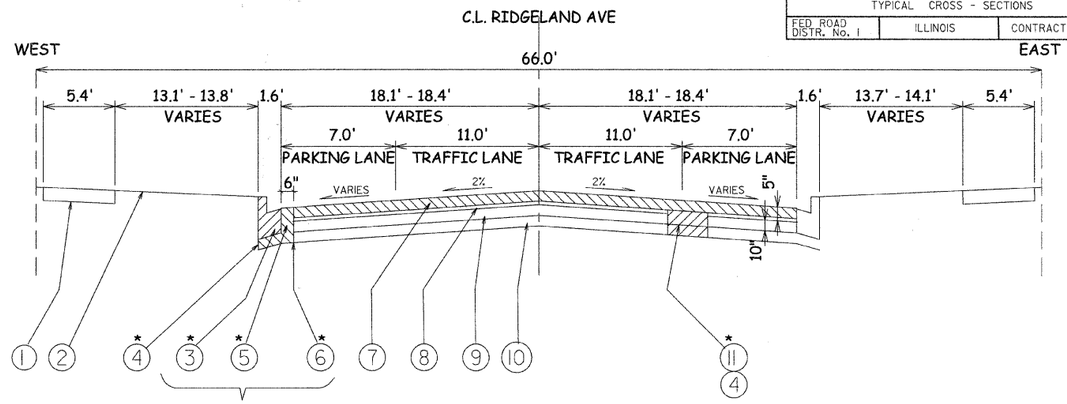
SHEET: 3

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET No.
2783	09-00247-00-RS	COOK	27	4
TYPICAL CROSS - SECTIONS				
FED. ROAD DISTR. No. 1	ILLINOIS	CONTRACT NO. 63397		



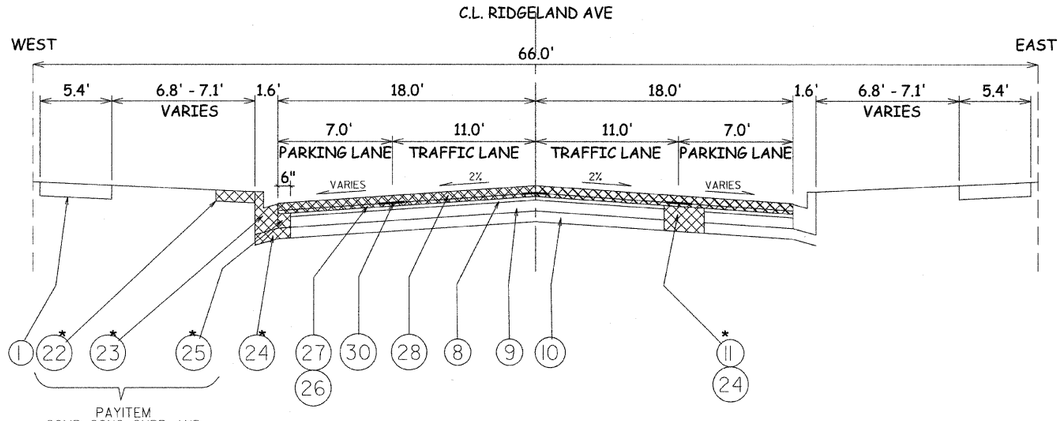
EXISTING TYPICAL CROSS-SECTION

STA 11+50 TO STA 32+20
ROOSEVELT TO GARFIELD



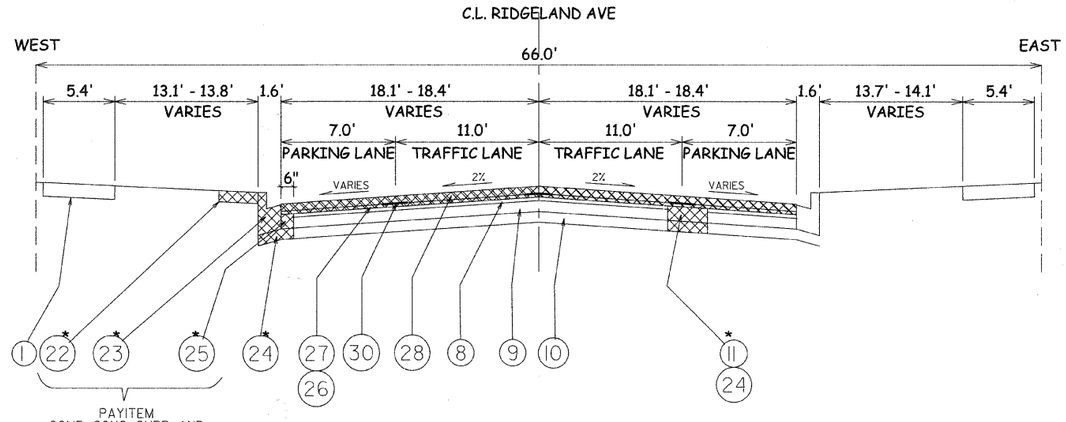
EXISTING TYPICAL CROSS-SECTION

STA 144+23 TO STA 170+56
DIVISION TO NORTH AVENUE



PROPOSED TYPICAL CROSS-SECTION

STA 11+50 TO STA 32+20
ROOSEVELT TO GARFIELD



PROPOSED TYPICAL CROSS-SECTION

STA 144+23 TO STA 170+56
DIVISION TO NORTH AVENUE

CONTRACTOR SHALL MILL BEFORE PATCHING

HMA MIXTURE REQUIREMENTS	
MIXTURE TYPE	**% AIR VOIDS @ Ndes**
HMA SURFACE COURSE,MIX D,(IL-9.5mm) N70	4% @ 70 GYR
LEVELING BINDER (MACHINE METHOD), N70 IL-9.5	4% @ 70 GYR

NOTE 1: THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQYD/IN

NOTE 2: THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 70-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.

INDEX

1 EXISTING SIDEWALK TO REMAIN
2 EXISTING PARKWAY
3 REMOVE EXISTING COMB CONC CURB AND GUTTER
4 REMOVE SUB-BASE MATERIAL
5 REMOVE PAVEMENT
6 SAW CUT PAVEMENT FULL DEPTH
7 HMA SURFACE REMOVAL 3"
8 EXIST HMA SURFACE/BINDER TO REMAIN, 2"
9 EXIST PCC BASE COURSE TO REMAIN, 10"
10 EXIST SUB-BASE MATL TO REMAIN
11 CLASS C PATCH, 12"
22 DAMAGED PARKWAY TO RESTORE
23 INSTALL COMB CONC CURB AND GUTTER, B-6.12(MOD)
24 INSTALL SUBBASE MATL 4"
25 INSTALL PCC BASE COURSE
26 PROPOSED BITUM MATL PRIME COAT
27 PROPOSED HMA LEV BINDER, N70, 1.25"
28 HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1.75"
30 STRIP REFLECTIVE CRACK CONTROL TREATMENT

(*) DENOTES INTERMITTENT

PAYITEM COMBINATION CONC CURB AND GUTTER INCLUDES OPERATIONS: 3,4,5,6,

CONTRACTOR SHALL MILL BEFORE PATCHING

REVISIONS:	
Oct 27, 2009	RB
Dec 2, 2009	RB
Dec 16, 2009	RB

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.U. ROUTE 2783 - RIDGELAND AVENUE

TYPICAL CROSS - SECTIONS

SCALE: 1"=20' (24X36) HALF SIZE (11X17)
DATE: 9/10/09
DRAWN BY: RB
CHECKED BY: JB

VILLAGE OF OAK PARK
ENGINEERING DIVISION

PROJECT No. 09-00247-00-RS

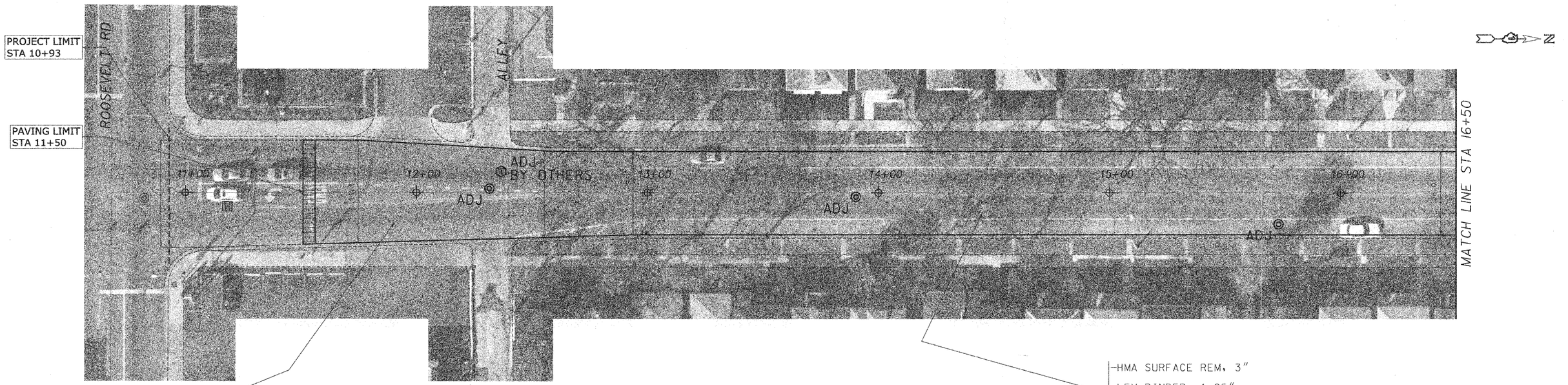
PROJECT NAME: STREETS RESURFACING

FILE NAME: 4_Typical Sections.dgn

RIDGELAND AVENUE

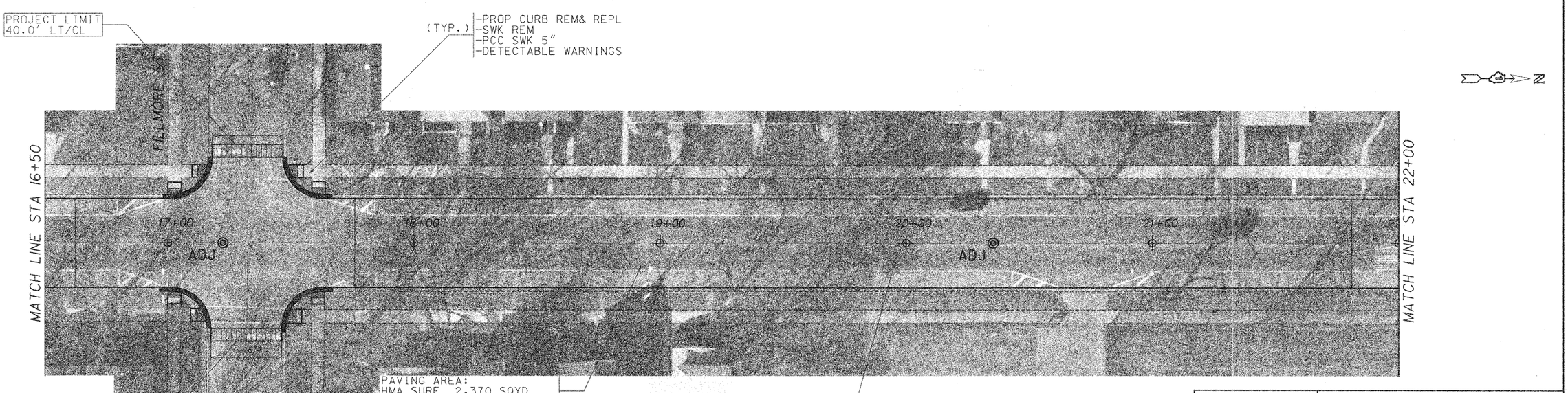
SHEET: 4

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET No.
2783	09-00247-00-RS	COOK	27	5
STA 11+00 TO STA 22+00				
FED. ROAD DISTR. No. 1	ILLINOIS	CONTRACT NO. 63397		



PAVING AREA:
HMA SURF 2,070 SQYD
HMA LEV BIND 2,045 SQYD

-HMA SURFACE REM, 3"
-LEV BINDER, 1.25"
-HMA SURF CSE, 1.75"



PAVING AREA:
HMA SURF 2,370 SQYD
HMA LEV BIND 2,335 SQYD

-HMA SURFACE REM, 3"
-LEV BINDER, 1.25"
-HMA SURF CSE, 1.75"

REVISIONS:	
Dec 2, 2009	RB
Dec 16, 2009	RB

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.U. ROUTE 2783 - RIDGELAND AVENUE

EXISTING AND PROPOSED CONDITIONS
STA 11+00 TO STA 22+00

SCALE: 1"=20' (24X36) HALF SIZE (11X17)
DRAWN BY: RB
DATE: 9/10/09
CHECKED BY: JB

VILLAGE OF OAK PARK
ENGINEERING DIVISION

PROJECT No.
09-00247-00-RS

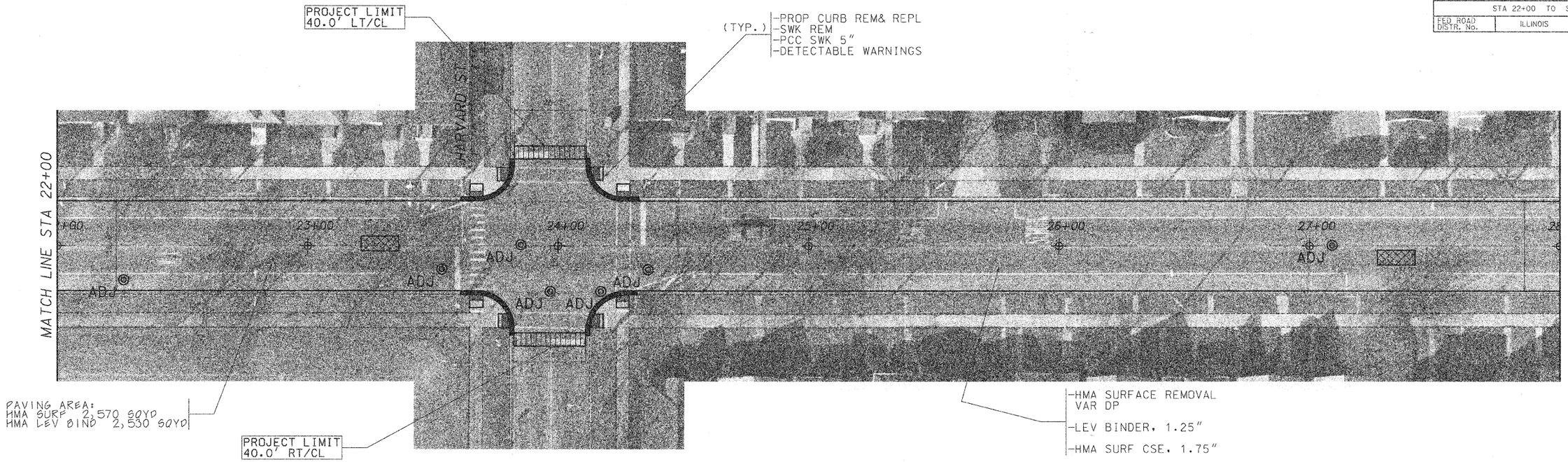
PROJECT NAME: STREETS RESURFACING

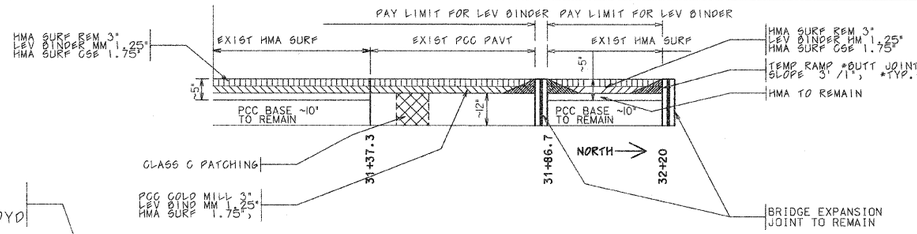
FILE NAME: 5.6_paving_Ridgeland_S_like.dgn

EXISTING AND PROPOSED CONDITIONS OF:
RIDGELAND AVENUE ROOSEVELT RD TO GARFIELD ST

SHEET: 5

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET No.
2783	09-00247-00-RS	COOK	27	6
STA 22+00 TO STA 32+20				
FED. ROAD DISTR. No.	ILLINOIS	CONTRACT NO. 63397		





REVISIONS:	
Dec 2, 2009	RB
Dec 16, 2009	RB

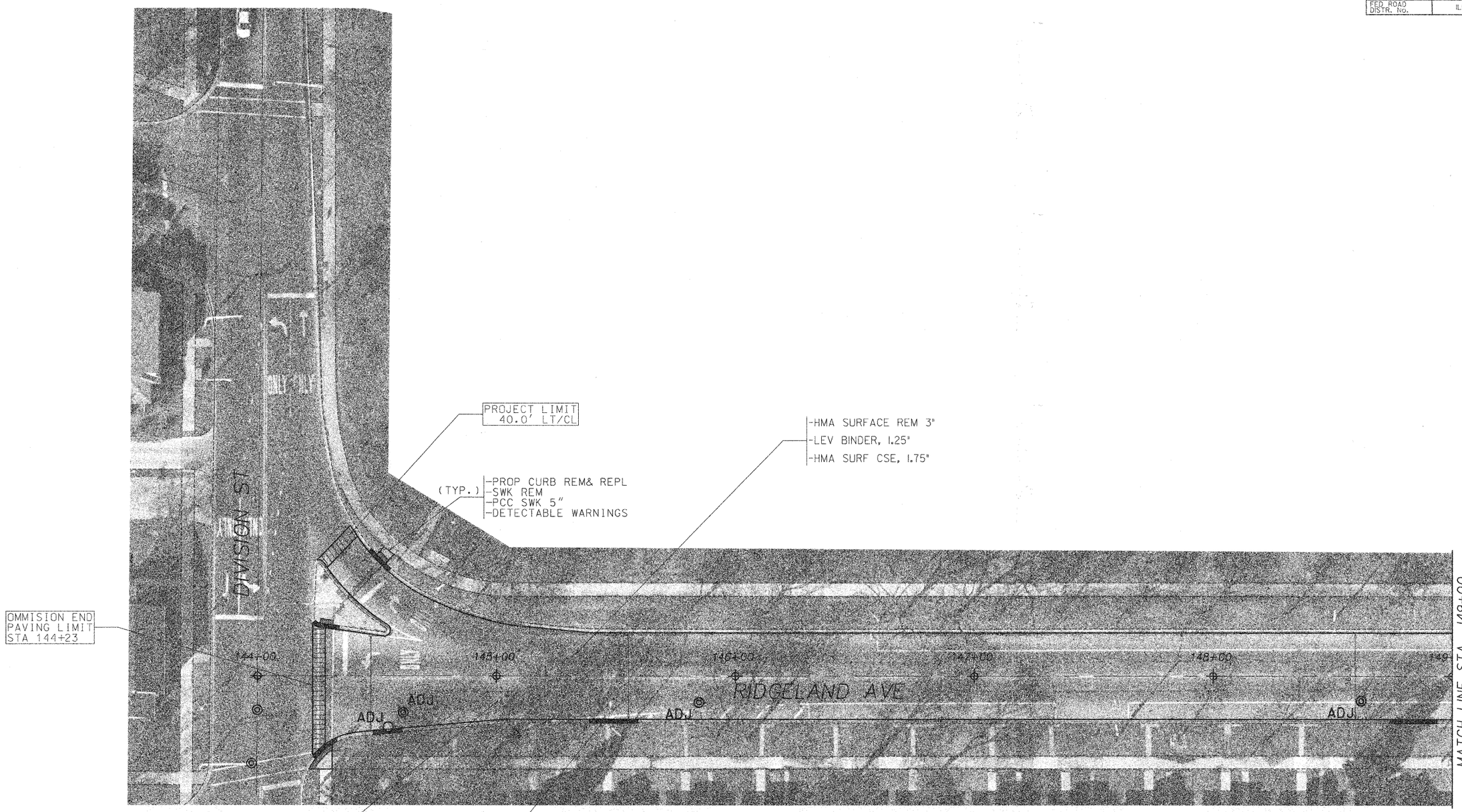
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.U. ROUTE 2783 - RIDGELAND AVENUE

EXISTING AND PROPOSED CONDITIONS
STA 22+00 TO STA 32+20

SCALE: 1"=20' (24X36) HALF SIZE (11X17) DRAWN BY: RB
DATE: 9/10/09 CHECKED BY: JB

VILLAGE OF OAK PARK ENGINEERING DIVISION	PROJECT No. 09-000247-00-RS	PROJECT NAME: STREETS RESURFACING FILE NAME: 5,6_paving_Ridgeland_S_11x.dgn	EXISTING AND PROPOSED CONDITIONS OF: RIDGELAND AVENUE ROOSEVELT RD TO GARFIELD ST	SHEET: 6

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET No.
2783	09-00247-00-RS	COOK	27	7
STA 144+00 to STA 149+00				
FED. ROAD DISTR. No.	ILLINOIS	CONTRACT No. 63397		



REVISIONS:	
Dec 2, 2009	RB
Dec 16, 2009	RB

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.U. ROUTE 2783 - RIDGELAND AVENUE

EXISTING AND PROPOSED CONDITIONS

STA 144+00 TO STA 149+00

SCALE: 1"=20' (24X36) HALF SIZE (11X17)
DRAWN BY: RB
DATE: 9/10/09
CHECKED BY: JB

VILLAGE OF OAK PARK
ENGINEERING DIVISION

PROJECT No. 09-00247-00-rs

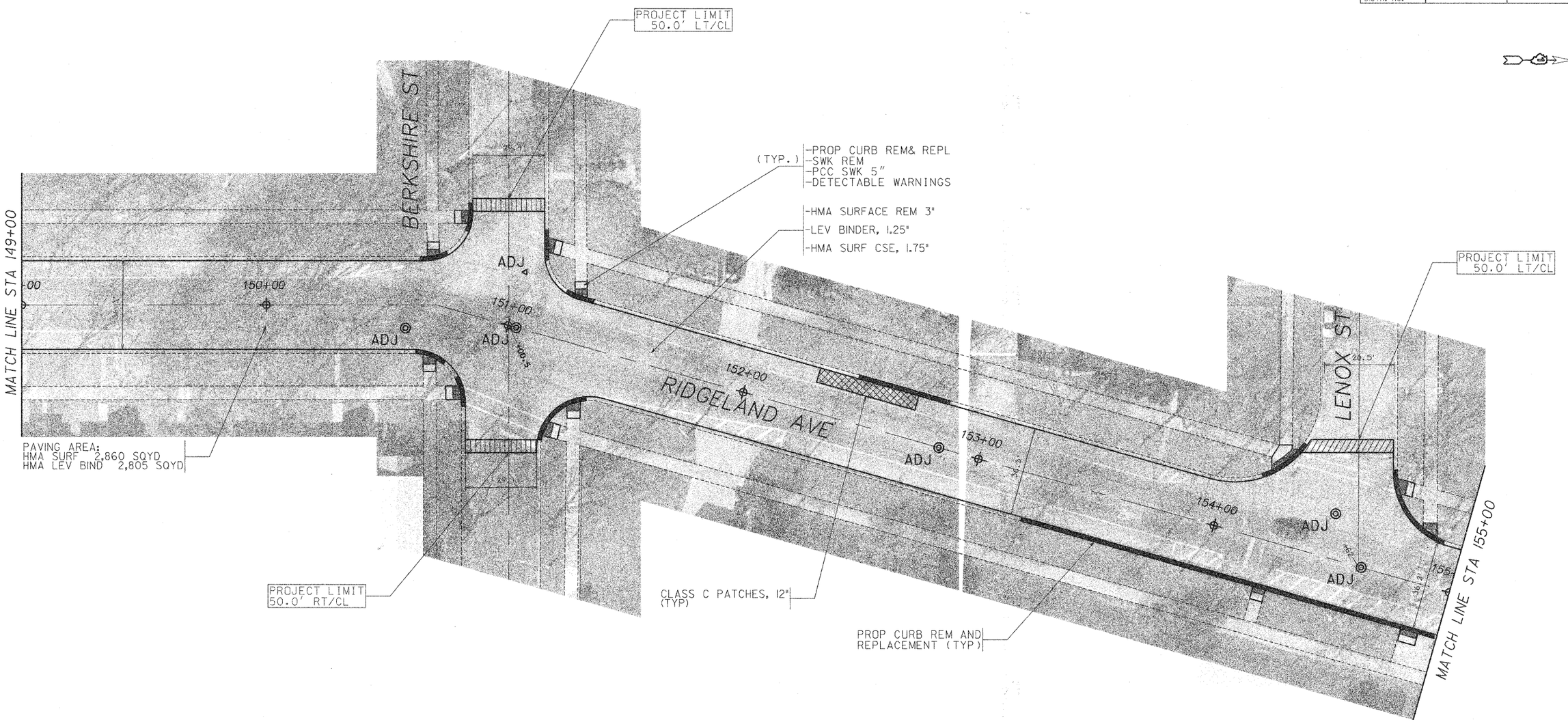
PROJECT NAME: STREETS RESURFACING

FILE NAME: 7_to_10_paving_Ridgeland_N_Division.dgn

EXISTING AND PROPOSED CONDITIONS OF: RIDGELAND AVENUE DIVISION ST TO NORTH AVE

SHEET: 7

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET No.
2783	09-00247-00-RS	COOK	27	8
STA 149+00 TO STA 155+00				
FED. ROAD DISTR. No.	ILLINOIS	CONTRACT NO. 63397		



REVISIONS:	
Dec 2, 2009	RB
Dec 16, 2009	RB

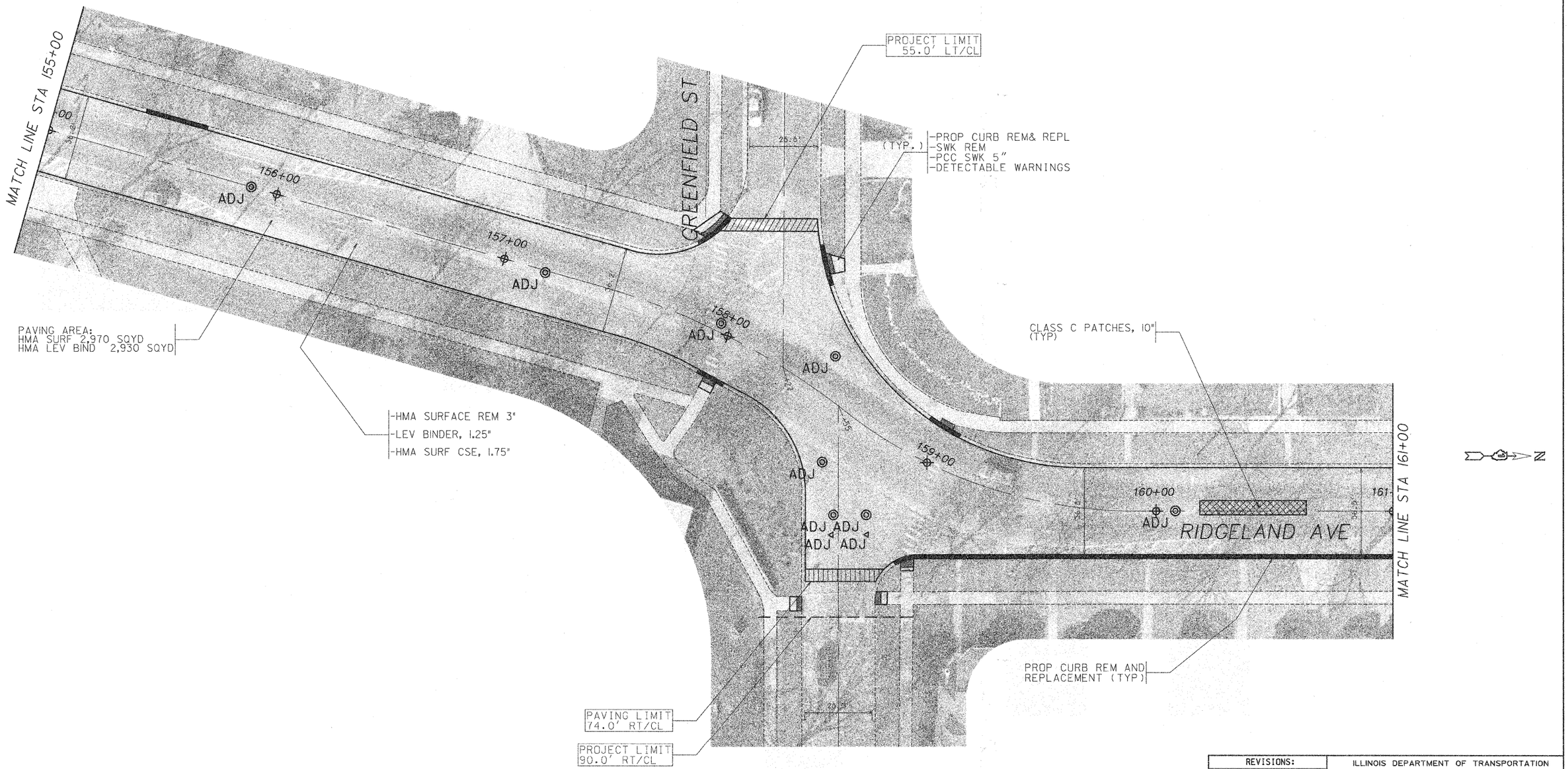
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.U. ROUTE 2783 - RIDGELAND AVENUE

EXISTING AND PROPOSED CONDITIONS
STA 149+00 TO STA 155+00

SCALE: 1"=20' (24X36) HALF SIZE (11X17)
DRAWN BY: RB
DATE: 9/10/09
CHECKED BY: JB

VILLAGE OF OAK PARK ENGINEERING DIVISION	PROJECT No. 09-00247-00-RS	PROJECT NAME: STREETS RESURFACING FILE NAME: 7_to_10_paving_Ridgeland_N_Division.dgn	EXISTING AND PROPOSED CONDITIONS OF: RIDGELAND AVENUE DIVISION TO NORTH AVE	SHEET: 8

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET No.
2783	09-00247-00-RS	COOK	28	9
STA 155+00 TO STA 161+00				
FED. ROAD DISTR. No.	ILLINOIS	CONTRACT NO. 63397		



REVISIONS:	
Dec 2, 2009	RB
Dec 16, 2009	RB

ILLINOIS DEPARTMENT OF TRANSPORTATION

F.A.U. ROUTE 2783 - RIDGELAND AVENUE

EXISTING AND PROPOSED CONDITIONS

STA 155+00 TO STA 161+00

SCALE: 1"=20' (24X36) HALF SIZE (11X17)

DRAWN BY: RB

DATE: 9/10/09

CHECKED BY: JB

VILLAGE OF OAK PARK
ENGINEERING DIVISION

PROJECT No. 09-00247-00-RS

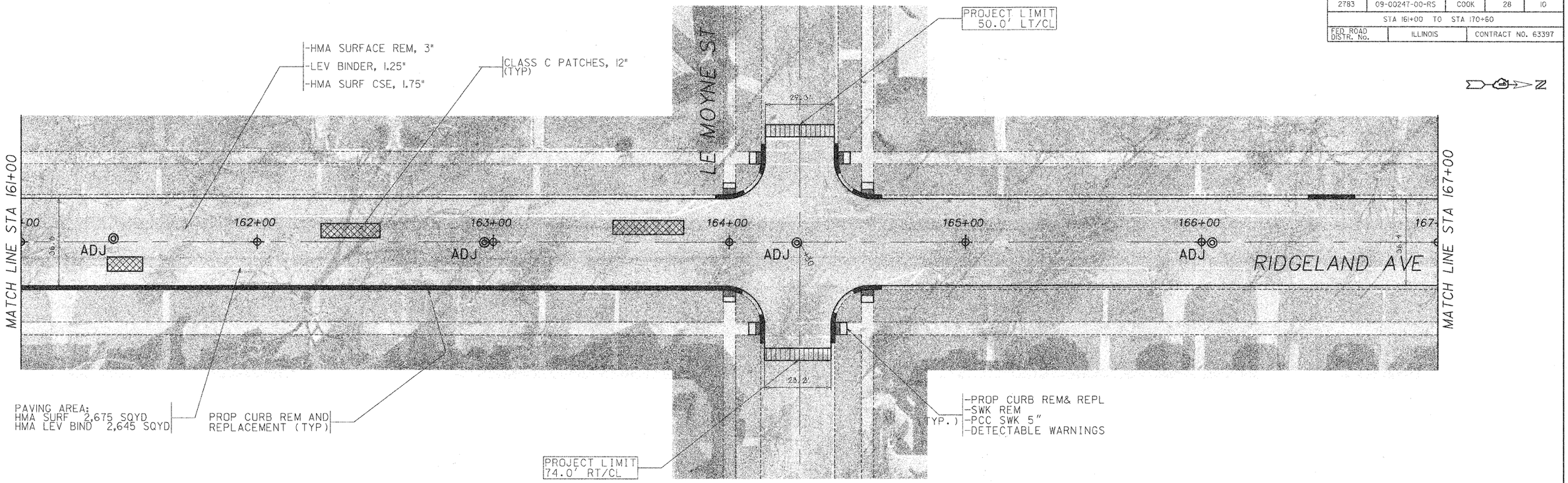
PROJECT NAME: STREETS RESURFACING

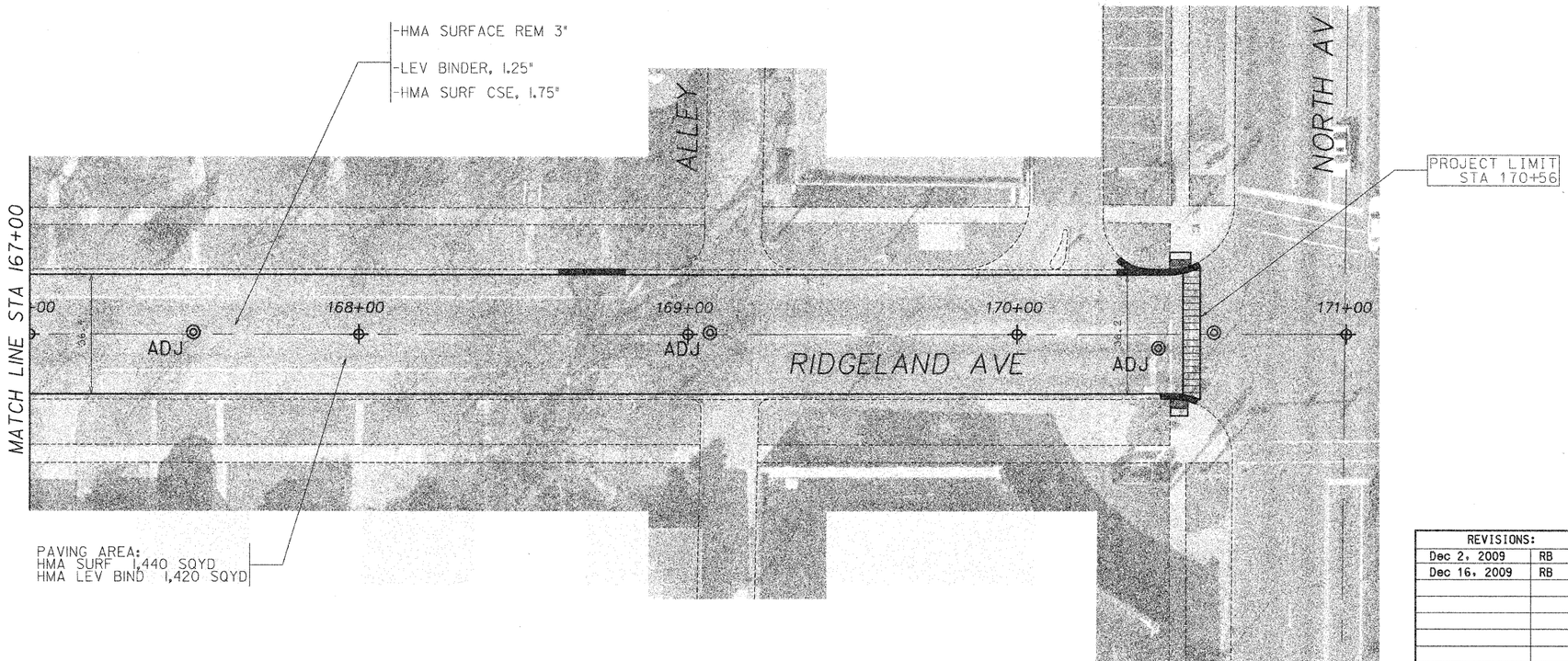
FILE NAME: 7_to_10_paving_Ridgeland_N_Division.dgn

EXISTING AND PROPOSED CONDITIONS OF: RIDGELAND AVENUE DIVISION TO NORTH AVE

SHEET: 9

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET No.
2783	09-00247-00-RS	COOK	28	10
STA 161+00 TO STA 170+60				
FED. ROAD DISTR. No.	ILLINOIS	CONTRACT NO. 63397		





REVISIONS:	
Dec 2, 2009	RB
Dec 16, 2009	RB

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.U. ROUTE 2783 - RIDGELAND AVENUE

EXISTING AND PROPOSED CONDITIONS
STA 161+00 TO STA 170+60

SCALE: 1"=20' (24X36) HALF SIZE (11X17) DRAWN BY: RB
DATE: 9/10/09 CHECKED BY: JB

VILLAGE OF OAK PARK
ENGINEERING DIVISION

PROJECT No. 09-00247-00-RS

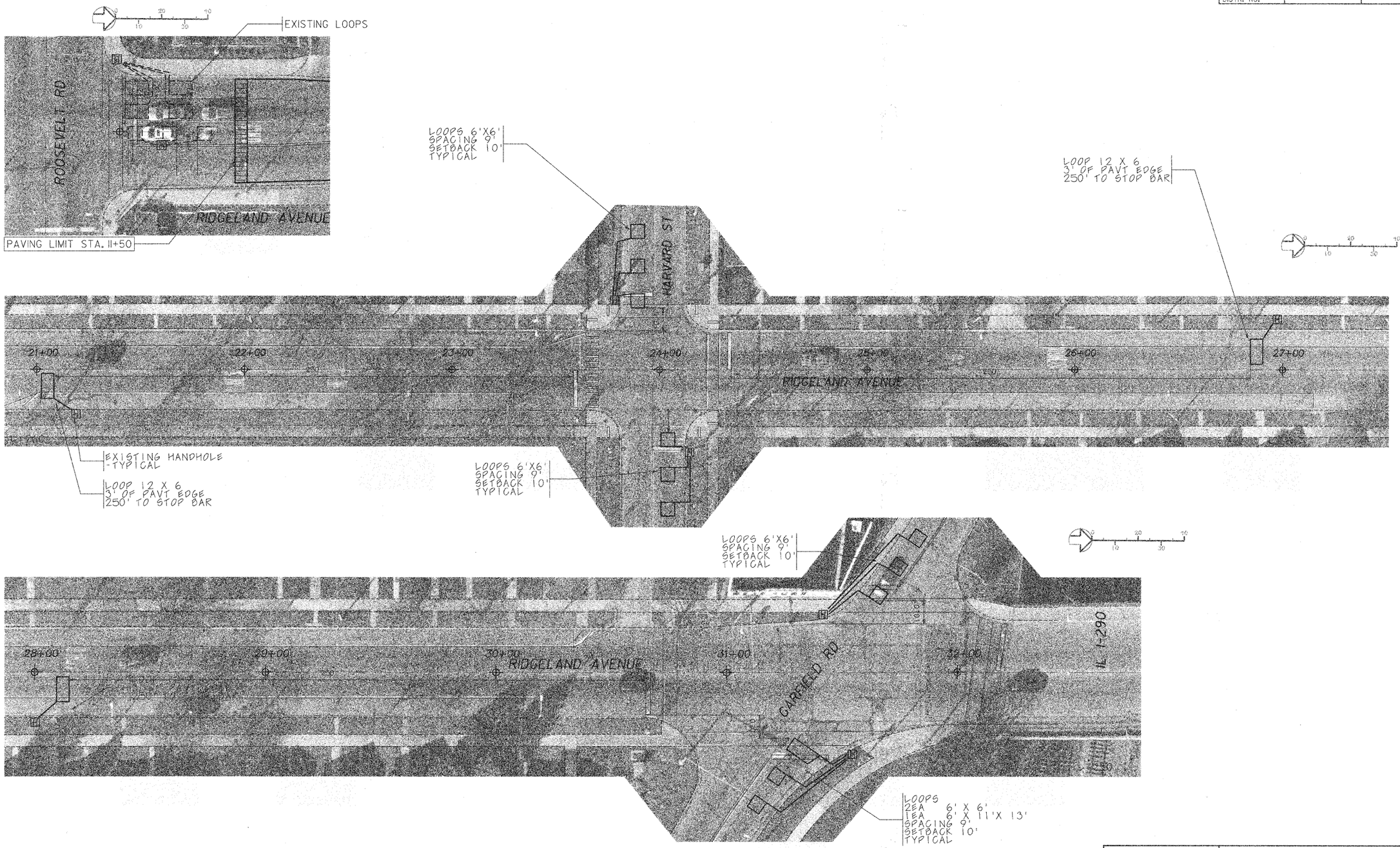
PROJECT NAME: STREETS RESURFACING

FILE NAME: 7_to_10_paving_Ridgeland_N_Division.dgn

EXISTING AND PROPOSED CONDITIONS OF: RIDGELAND AVENUE DIVISION TO NORTH AVE

SHEET: 10

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET No.
2783	09-00247-00-RS	COOK	27	11
DETECTOR LOOP REPLACEMENT				
FED. ROAD DISTR. NO.	ILLINOIS		CONRACT NO. 63397	



REVISIONS:	
Dec 2, 2009	RB

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.U. ROUTE 2783 - RIDGELAND AVENUE

DETECTOR LOOP REPLACEMENT

SCALE: 1"=20' (24X36) HALF SIZE (11X17)
DRAWN BY: RB
DATE: 9/10/09
CHECKED BY: JB

VILLAGE OF OAK PARK
ENGINEERING DIVISION

PROJECT No. 09-00247-00-RS

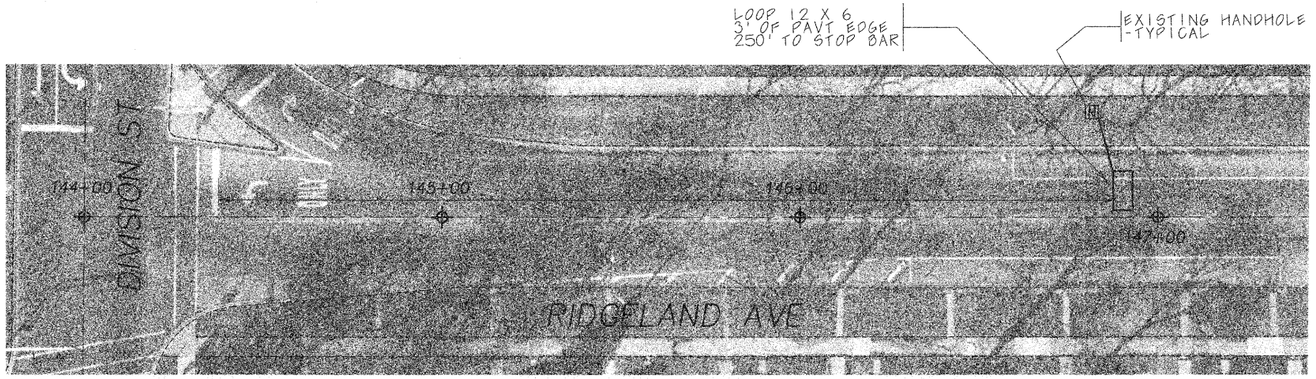
PROJECT NAME: STREETS RESURFACING

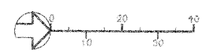
FILE NAME: IL12_DetectorLoopReplacement.dgn

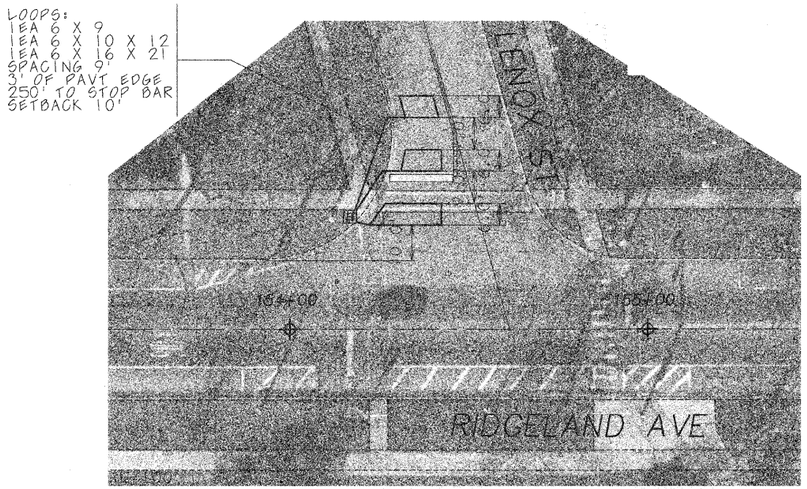
RIDGELAND AVENUE ROOSEVELT RD TO GARFIELD ST

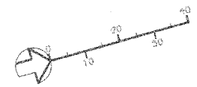
SHEET: 11

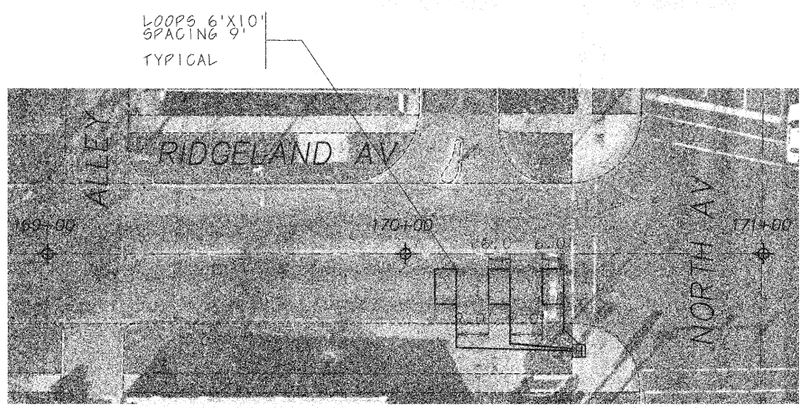
F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET No.
2783	09-00247-00-RS	COOK	27	12
DETECTOR LOOP REPLACEMENT				
FED. ROAD DISTR. No.	ILLINOIS	CONTRACT NO. 63397		

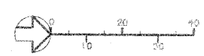












REVISIONS:	
Dec 2, 2009	RB

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.U. ROUTE 2783 - RIDGELAND AVENUE

DETECTOR LOOP REPLACEMENT

SCALE: 1"=20' (24X36) HALF SIZE (11X17) DRAWN BY: RB
DATE: 9/10/09 CHECKED BY: JB

VILLAGE OF OAK PARK
ENGINEERING DIVISION

PROJECT No. 09-00247-00-RS

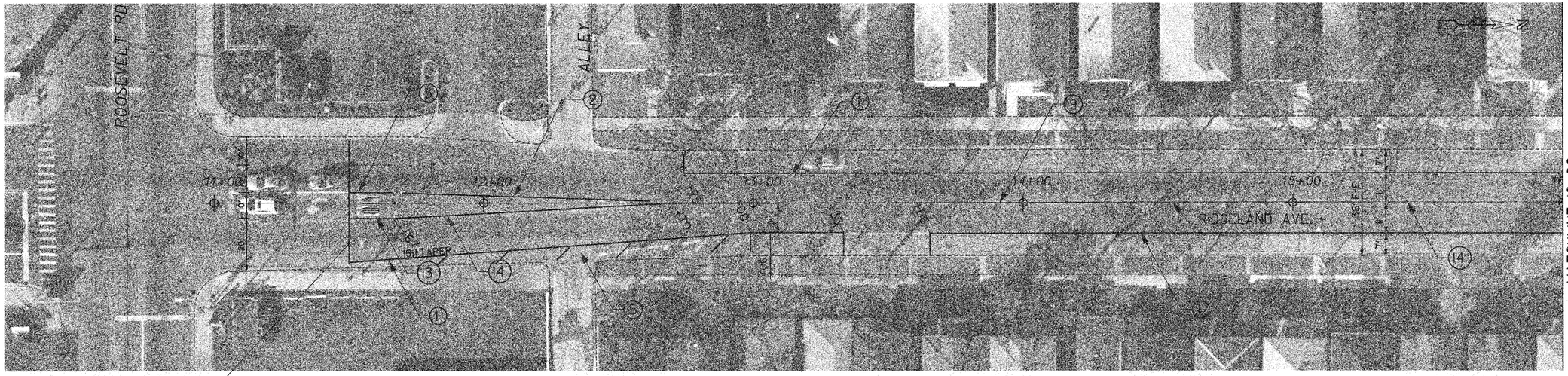
PROJECT NAME: STREETS RESURFACING

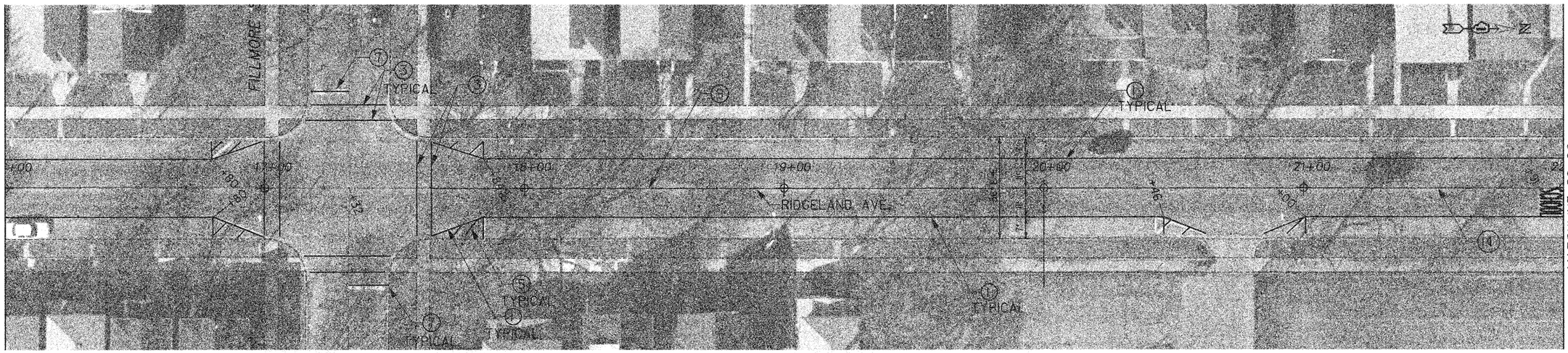
FILE NAME: IL12_DetectorLoopReplacement.dgn

RIDGELAND AVENUE DIVISION TO NORTH AVENUE

SHEET: 12

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET No.
2783	09-00247-00-RS	COOK	27	13
PAVEMENT MARKINGS				
FED. ROAD DISTR. No. 1	ILLINOIS		CONTRACT NO. 63397	





(1) THERMOPLASTIC PAVEMENT MARKING
LINE 4-in. WHITE EDGE LINE

(2) THERMOPLASTIC PAVEMENT MARKING
LINE 4-in. WHITE DOTTED

(3) THERMOPLASTIC PAVEMENT MARKING
LINE 6-in. WHITE

(4) THERMOPLASTIC PAVEMENT MARKING
4-in. WHITE SKIP DASH TURN LANE

(5) THERMOPLASTIC PAVEMENT MARKING
12-in. WHITE DIAGONALS 15' C-C @ 45 DEG.

(6) THERMOPLASTIC PAVEMENT MARKING
12-in. WHITE @ 90 DEG. @ 2' C-C

(7) THERMOPLASTIC PAVEMENT MARKING
24-in. WHITE STOP BAR

(8) THERMOPLASTIC PAVEMENT MARKING
LINE 4-in. DOUBLE YELLOW CENTER LINE

(9) THERMOPLASTIC PAVEMENT MARKING
LINE 4-in. YELLOW SKIP DASH

(10) THERMOPLASTIC PAVEMENT MARKING
LETTERS & SYMBOLS WHITE

(11) THERMOPLASTIC PAVEMENT MARKING
LINE 12-IN. YELLOW

(12) THERMOPLASTIC PAVEMENT MARKING
LINE 8-IN. WHITE

(13) TEMPORARY PAINT PAVEMENT MARKING
LETTERS AND SYMBOLS

(14) TEMPORARY PAINT PAVEMENT MARKING
LINE 4-IN. YELLOW (4'X40')

(15) TEMPORARY PAINT PAVEMENT MARKING
LINE 24-IN. WHITE

REVISIONS:	
Dec 2, 2009	RB

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.U. ROUTE 2783 - RIDGELAND AVENUE

PAVEMENT MARKINGS
STA 11+00 TO STA 22+00

SCALE: 1"=20' (24X36) HALF SIZE (11X17)
DRAWN BY: LB
DATE: 9/23/09
CHECKED BY: RB

VILLAGE OF OAK PARK
ENGINEERING DIVISION

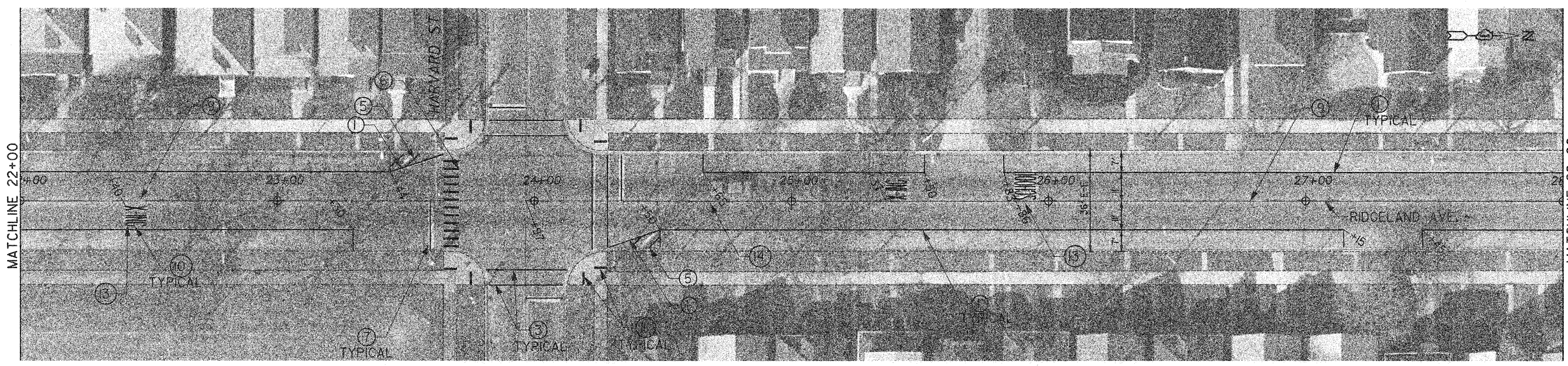
PROJECT No. 09-00247-00-RS

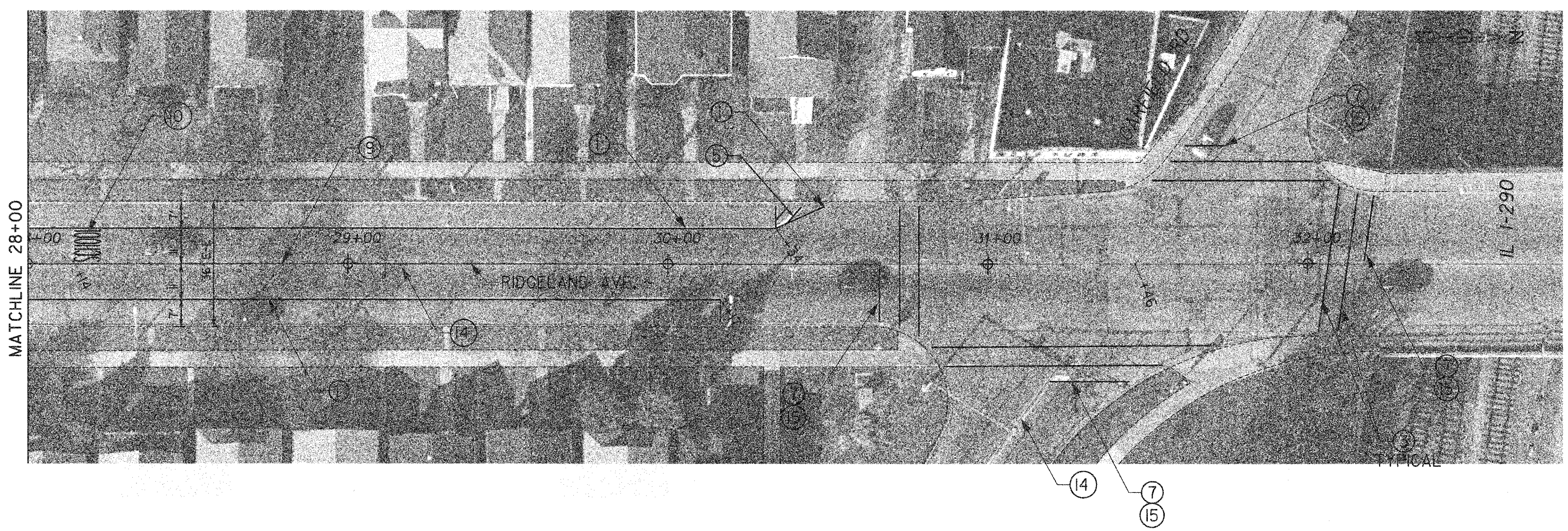
PROJECT NAME: STREETS RESURFACING

FILE NAME: PM_Sheets_South.dgn

RIDGELAND AVENUE ROOSEVELT RD TO GARFIELD ST

SHEET: 13





① THERMOPLASTIC PAVEMENT MARKING LINE 4-in. WHITE EDGE LINE

② THERMOPLASTIC PAVEMENT MARKING LINE 4-in. WHITE DOTTED

③ THERMOPLASTIC PAVEMENT MARKING LINE 6-in. WHITE

④ THERMOPLASTIC PAVEMENT MARKING 4-in. WHITE SKIP DASH TURN LANE

⑤ THERMOPLASTIC PAVEMENT MARKING 12-in. WHITE DIAGONALS 15' C-C @ 45 DEG.

⑥ THERMOPLASTIC PAVEMENT MARKING 12-in. WHITE @ 90 DEG. @ 2' C-C

⑦ THERMOPLASTIC PAVEMENT MARKING 24-in. WHITE STOP BAR

⑧ THERMOPLASTIC PAVEMENT MARKING LINE 4-in. DOUBLE YELLOW CENTER LINE

⑨ THERMOPLASTIC PAVEMENT MARKING LINE 4-in. YELLOW SKIP DASH

⑩ THERMOPLASTIC PAVEMENT MARKING LETTERS & SYMBOLS WHITE

⑪ THERMOPLASTIC PAVEMENT MARKING LINE 12-IN. YELLOW

⑫ THERMOPLASTIC PAVEMENT MARKING LINE 8-IN. WHITE

⑬ TEMPORARY PAINT PAVEMENT MARKING LETTERS AND SYMBOLS

⑭ TEMPORARY PAINT PAVEMENT MARKING LINE 4-IN. YELLOW (4'X40')

⑮ TEMPORARY PAINT PAVEMENT MARKING LINE 24-IN. WHITE

REVISIONS:	
Dec 2, 2009	RB

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.U. ROUTE 2783 - RIDGELAND AVENUE

PAVEMENT MARKINGS
STA 22+00 TO STA 32+20

SCALE: 1"=20' (24X36) HALF SIZE (11X17) DRAWN BY: RB
DATE: 9/10/09 CHECKED BY: JB

VILLAGE OF OAK PARK
ENGINEERING DIVISION

PROJECT No. 09-00247-00-RS

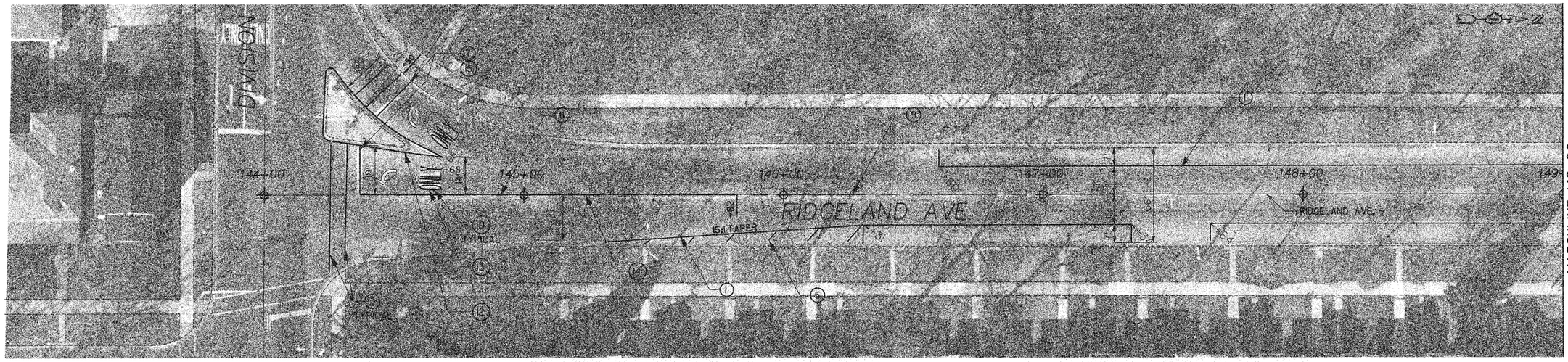
PROJECT NAME: STREETS RESURFACING
FILE NAME: PM_Sheets_South.dgn

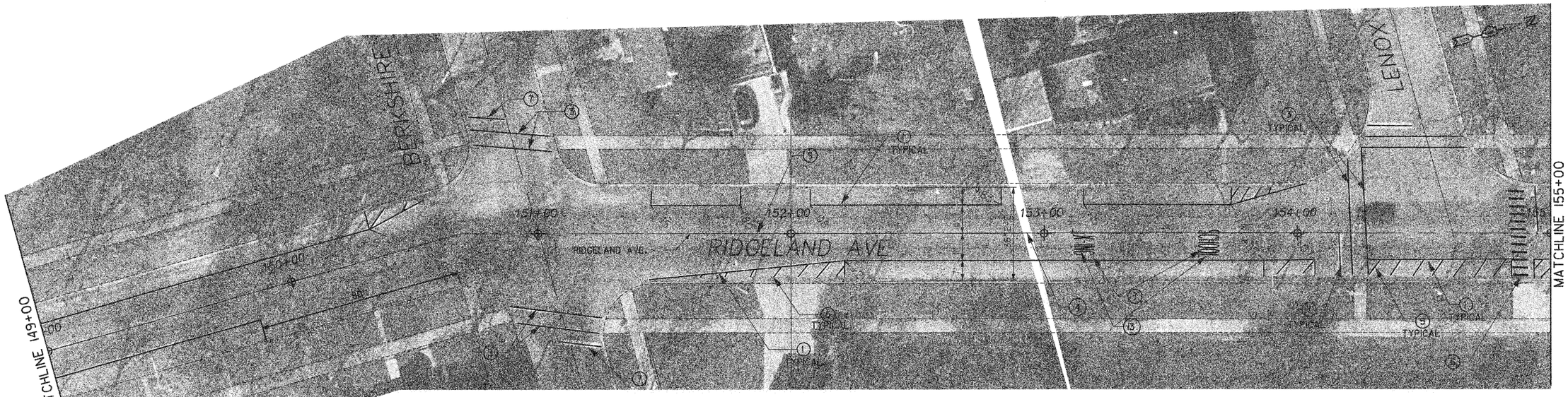
EXISTING AND PROPOSED CONDITIONS OF: RIDGELAND AVENUE

ROOSEVELT RD TO GARFIELD ST

SHEET: 14

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET No.
2783	09-00247-00-RS	COOK	27	15
PAVEMENT MARKINGS				
FED ROAD DISTR. No. 1	ILLINOIS		CONTRACT NO. 63397	





(1) THERMOPLASTIC PAVEMENT MARKING
LINE 4-in. WHITE EDGE LINE

(2) THERMOPLASTIC PAVEMENT MARKING
LINE 4-in. WHITE DOTTED

(3) THERMOPLASTIC PAVEMENT MARKING
LINE 6-in. WHITE

(4) THERMOPLASTIC PAVEMENT MARKING
4-in. WHITE SKIP DASH TURN LANE

(5) THERMOPLASTIC PAVEMENT MARKING
12-in. WHITE DIAGONALS 15' C-C @ 45 DEG.

(6) THERMOPLASTIC PAVEMENT MARKING
12-in. WHITE @ 90 DEG. @ 2' C-C

(7) THERMOPLASTIC PAVEMENT MARKING
24-in. WHITE STOP BAR

(8) THERMOPLASTIC PAVEMENT MARKING
LINE 4-in. DOUBLE YELLOW CENTER LINE

(9) THERMOPLASTIC PAVEMENT MARKING
LINE 4-in. YELLOW SKIP DASH

(10) THERMOPLASTIC PAVEMENT MARKING
LETTERS & SYMBOLS WHITE

(11) THERMOPLASTIC PAVEMENT MARKING
LINE 12-IN. YELLOW

(12) THERMOPLASTIC PAVEMENT MARKING
LINE 8-IN. WHITE

(13) TEMPORARY PAINT PAVEMENT MARKING
LETTERS AND SYMBOLS

(14) TEMPORARY PAINT PAVEMENT MARKING
LINE 4-IN. YELLOW (4' X 40')

(15) TEMPORARY PAINT PAVEMENT MARKING
LINE 24-IN. WHITE

REVISIONS:	
Dec 2, 2009	RB

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.U. ROUTE 2783 - RIDGELAND AVENUE

PAVEMENT MARKINGS
STA 144+23 TO STA 155+00

SCALE: 1"=20' (24X36) HALF SIZE (11X17)
DATE: 9/10/09
DRAWN: LB
CHECKED: RB

VILLAGE OF OAK PARK
ENGINEERING DIVISION

PROJECT No. 09-00247-00-RS

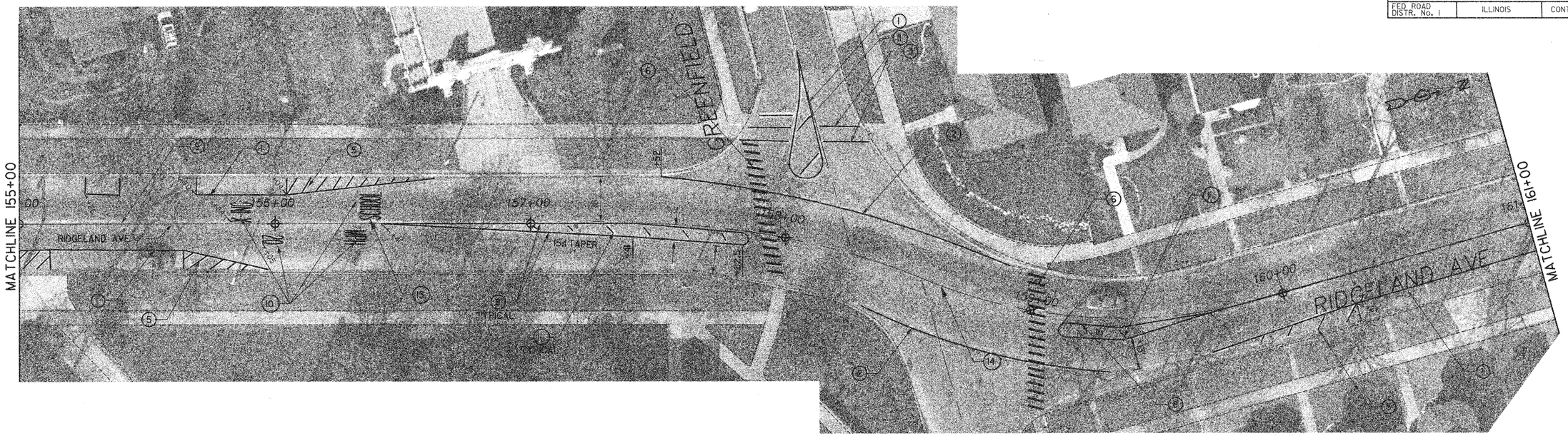
PROJECT NAME: STREETS RESURFACING

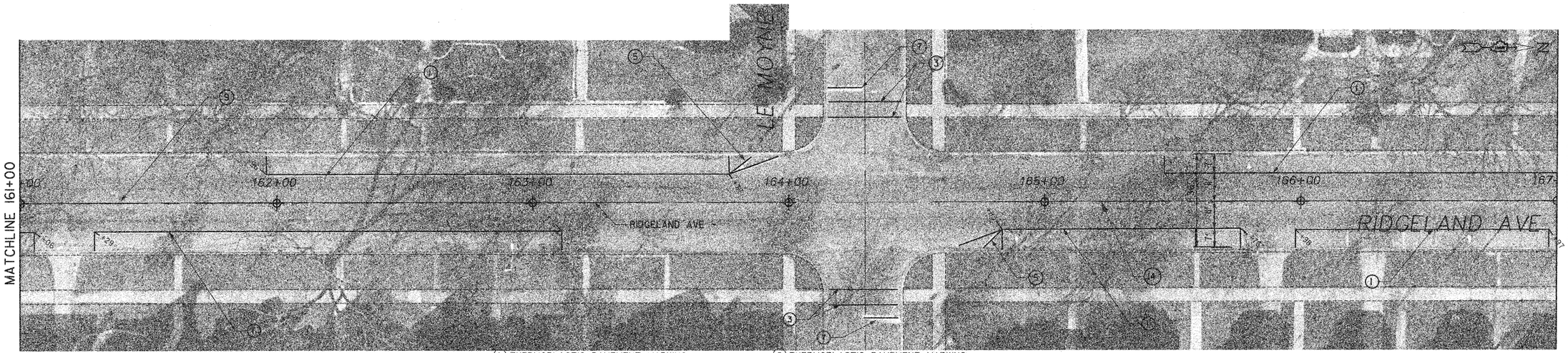
FILE NAME: PM_Sheets_North.dgn

RIDGELAND AVENUE DIVISION TO NORTH AVE

SHEET: 15

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET No.
2783	09-00247-00-RS	COOK	27	16
PAVEMENT MARKINGS				
FED. ROAD DISTR. No. 1	ILLINOIS	CONTRACT NO. 63397		





(1) THERMOPLASTIC PAVEMENT MARKING
LINE 4-in. WHITE EDGE LINE

(2) THERMOPLASTIC PAVEMENT MARKING
LINE 4-in. WHITE DOTTED

(3) THERMOPLASTIC PAVEMENT MARKING
LINE 6-in. WHITE

(4) THERMOPLASTIC PAVEMENT MARKING
4-in. WHITE SKIP DASH TURN LANE

(5) THERMOPLASTIC PAVEMENT MARKING
12-in. WHITE DIAGONALS 15' C-C @ 45 DEG.

(6) THERMOPLASTIC PAVEMENT MARKING
12-in. WHITE @ 90 DEG. @ 2' C-C

(7) THERMOPLASTIC PAVEMENT MARKING
24-in. WHITE STOP BAR

(8) THERMOPLASTIC PAVEMENT MARKING
LINE 4-in. DOUBLE YELLOW CENTER LINE

(9) THERMOPLASTIC PAVEMENT MARKING
LINE 4-in. YELLOW SKIP DASH

(10) THERMOPLASTIC PAVEMENT MARKING
LETTERS & SYMBOLS WHITE

(11) THERMOPLASTIC PAVEMENT MARKING
LINE 12-IN. YELLOW

(12) THERMOPLASTIC PAVEMENT MARKING
LINE 8-IN. WHITE

(13) TEMPORARY PAINT PAVEMENT MARKING
LETTERS AND SYMBOLS

(14) TEMPORARY PAINT PAVEMENT MARKING
LINE 4-IN. YELLOW (4' X 40')

(15) TEMPORARY PAINT PAVEMENT MARKING
LINE 24-IN. WHITE

REVISIONS:	
Dec 2, 2009	RB

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.U. ROUTE 2783 - RIDGELAND AVENUE

PAVEMENT MARKINGS
STA 155+00 TO STA 167+00

SCALE: 1"=20' (24X36) HALF SIZE (11X17)
DRAWN: LB
DATE: 9/10/09
CHECKED: RB

VILLAGE OF OAK PARK
ENGINEERING DIVISION

PROJECT No. 09-00247-00-RS

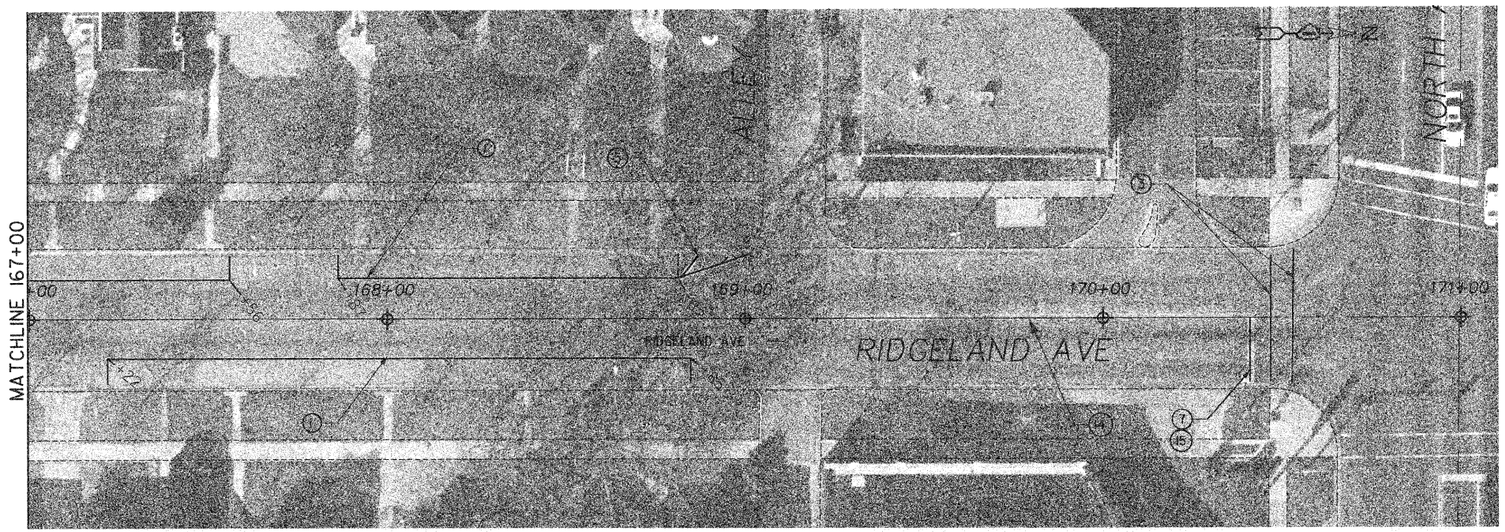
PROJECT NAME: STREETS RESURFACING

FILE NAME: PM_Sheets_North.dgn

RIDGELAND AVENUE DIVISION TO NORTH AVE

SHEET: 16

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET No.
2783	09-00247-00-RS	COOK	27	17
PAVEMENT MARKINGS				
FED. ROAD DISTR. No. 1	ILLINOIS	CONTRACT NO. 63397		



(1) THERMOPLASTIC PAVEMENT MARKING
LINE 4-in. WHITE EDGE LINE

(2) THERMOPLASTIC PAVEMENT MARKING
LINE 4-in. WHITE DOTTED

(3) THERMOPLASTIC PAVEMENT MARKING
LINE 6-in. WHITE

(4) THERMOPLASTIC PAVEMENT MARKING
4-in. WHITE SKIP DASH TURN LANE

(5) THERMOPLASTIC PAVEMENT MARKING
12-in. WHITE DIAGONALS 15' C-C @ 45 DEG.

(6) THERMOPLASTIC PAVEMENT MARKING
12-in. WHITE @ 90 DEG. @ 2' C-C

(7) THERMOPLASTIC PAVEMENT MARKING
24-in. WHITE STOP BAR

(8) THERMOPLASTIC PAVEMENT MARKING
LINE 4-in. DOUBLE YELLOW CENTER LINE

(9) THERMOPLASTIC PAVEMENT MARKING
LINE 4-in. YELLOW SKIP DASH

(10) THERMOPLASTIC PAVEMENT MARKING
LETTERS & SYMBOLS WHITE

(11) THERMOPLASTIC PAVEMENT MARKING
LINE 12-IN. YELLOW

(12) THERMOPLASTIC PAVEMENT MARKING
LINE 8-IN. WHITE

(13) TEMPORARY PAINT PAVEMENT MARKING
LETTERS AND SYMBOLS

(14) TEMPORARY PAINT PAVEMENT MARKING
LINE 4-IN. YELLOW (4' X 40')

(15) TEMPORARY PAINT PAVEMENT MARKING
LINE 24-IN. WHITE

REVISIONS:	
Dec 2, 2009	RB

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.U. ROUTE 2783 - RIDGELAND AVENUE

PAVEMENT MARKINGS
STA 167+00 TO STA 170+56

SCALE: 1"=20' (24X36) HALF SIZE (11X17) DRAWN: LB
DATE: 9/10/09 CHECKED: RB

VILLAGE OF OAK PARK
ENGINEERING DIVISION

PROJECT No. 09-00247-00-RS

PROJECT NAME: STREETS RESURFACING

FILE NAME: PM_Sheets_North.dgn

RIDGELAND AVENUE DIVISION TO NORTH AVE

SHEET: 17

LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE UNIT DUCT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). UNIT DUCT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.

2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.

3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.

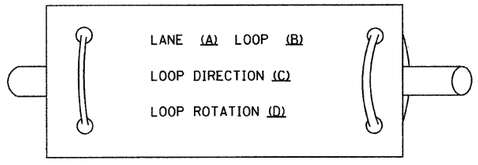
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.

5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.

6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.

7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

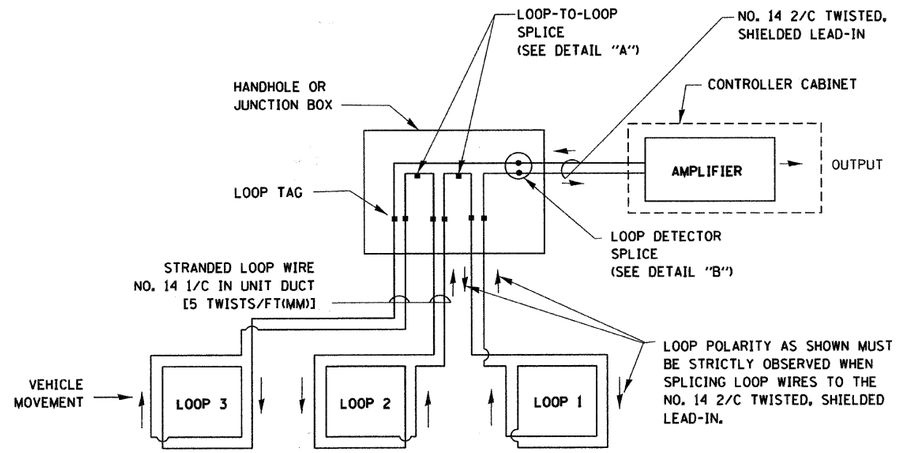


A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY

B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.

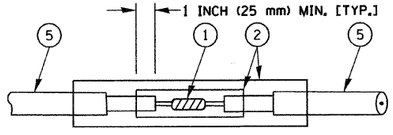
C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".

D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

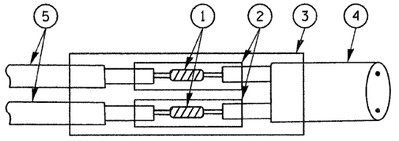


DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES.
- SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

LOOP DETECTOR SPLICE

(1) WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH.

(2) WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.

(3) WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGHT 6" (150 mm), UNDERWATER GRADE.

(4) NO. 14 2/C TWISTED, SHIELDED CABLE.

(5) LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.

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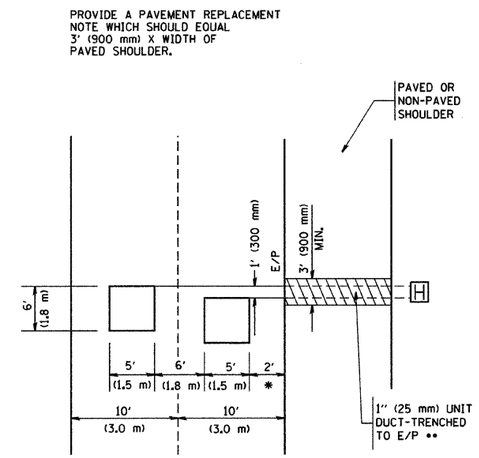
		DRAWN - R.W.P.	REVISED - BUR. TRAFFIC 01-01-02				TS-05		CONTRACT NO. 63397	
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - D.A.Z.	REVISED -		SCALE: NONE	SHEET NO. 1 OF 4 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS FED. AID PROJECT
	PLOT DATE = 1/4/2008	DATE - 05-30-00	REVISED -							

LOOPS NEXT TO SHOULDERS



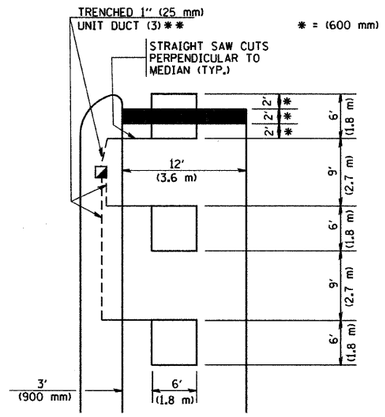
* = (600 mm)

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

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

(PROTECTED / PERMITTED LEFT TURN PHASING)

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

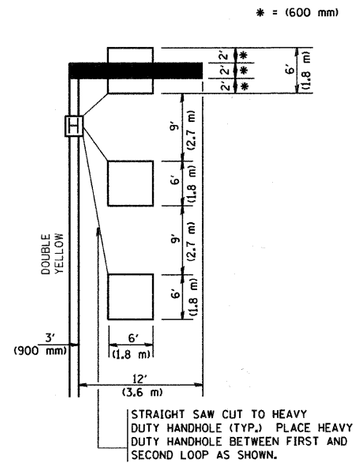


** UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

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

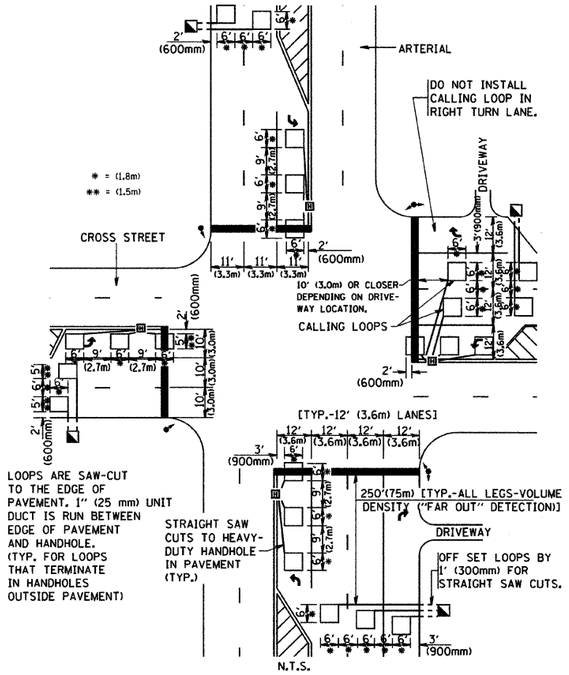
LEFT TURN LANES WITHOUT MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION)
ON SAME APPROACH

(PROTECTED / PERMITTED LEFT TURN PHASING)



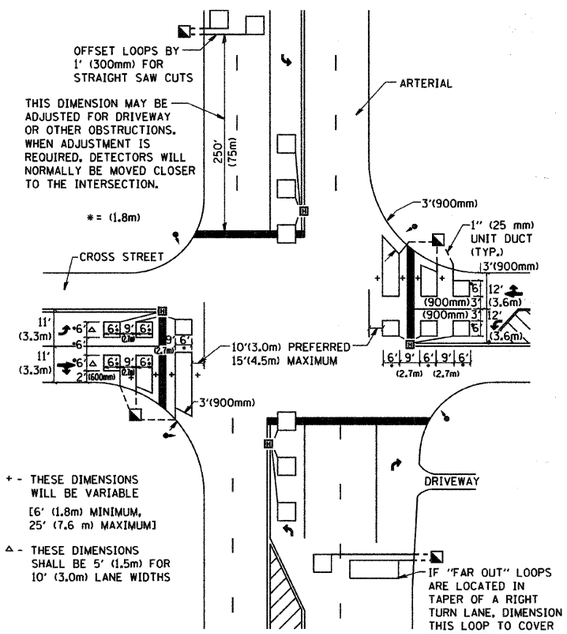
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

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



DETAIL 1
N.T.S.

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



DETAIL 2
N.T.S.

NOTES:

VEHICLES LOOP DETECTORS

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

PLACEMENT OF DETECTORS

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

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

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

NOTE:

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

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

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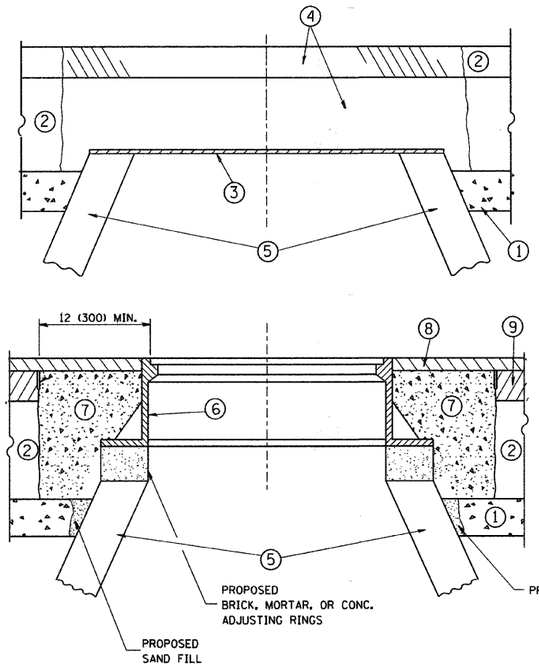
		DRAWN -	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - R.K.F.	REVISED -
	PLOT DATE = 1/4/2008	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1 – DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	09-00247-00-RS	COOK	27	19
	TS-07	CONTRACT NO. 63397		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.

B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.

C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.

D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1½ (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.

B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.

C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS SI CONCRETE, OR HMA SURFACE COURSE OR HMA BINDER COURSE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS.

LEGEND

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

NOTES:

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

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

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

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

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

LOCATION OF STRUCTURES:

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

BASIS OF PAYMENT: THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR "FRAMES AND LIDS TO BE ADJUSTED, SPECIAL"

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

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

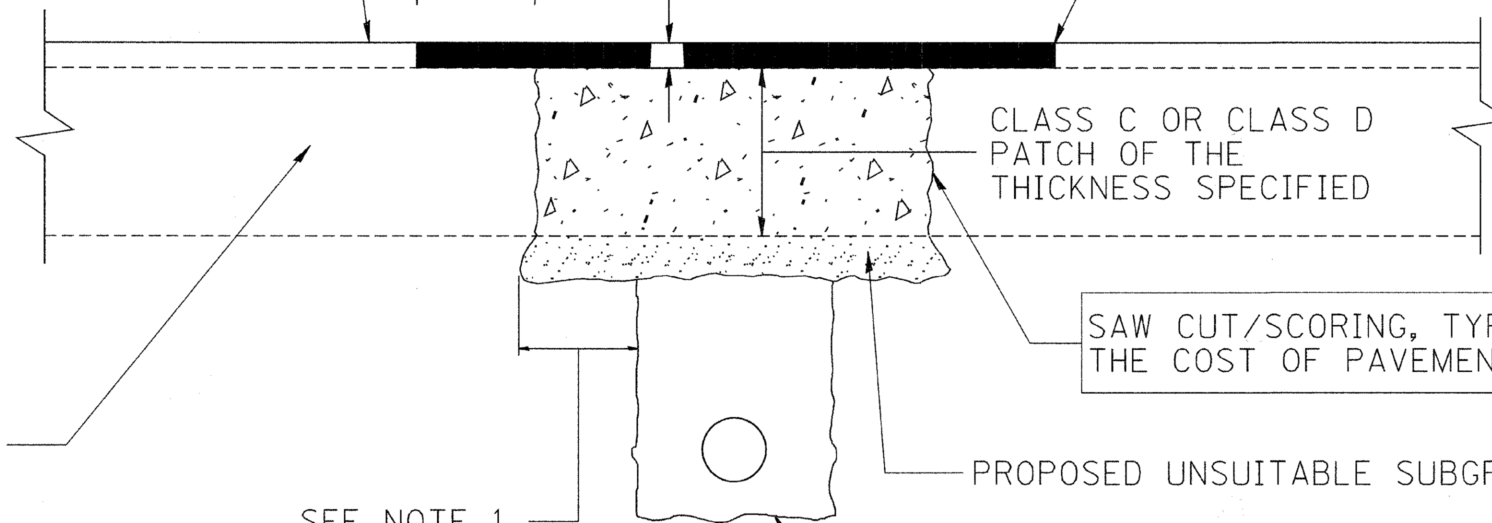
FILE NAME = W:\diststd\22x34\bd08.dgn	USER NAME = gaglienobt	DESIGNED - R. SHAH	REVISED - R. SHAH 03-10-95
		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED - R. WIEDEMAN 05-14-04
	PLOT DATE = 1/4/2008	DATE - 10-25-94	REVISED - R. BORO 01-01-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS FOR
FRAMES AND LIDS ADJUSTMENT WITH MILLING

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	09-00247-00-RS	COOK	27	20
	BD600-03 (BD-8)	CONTRACT NO. 63397		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

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

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

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

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

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

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

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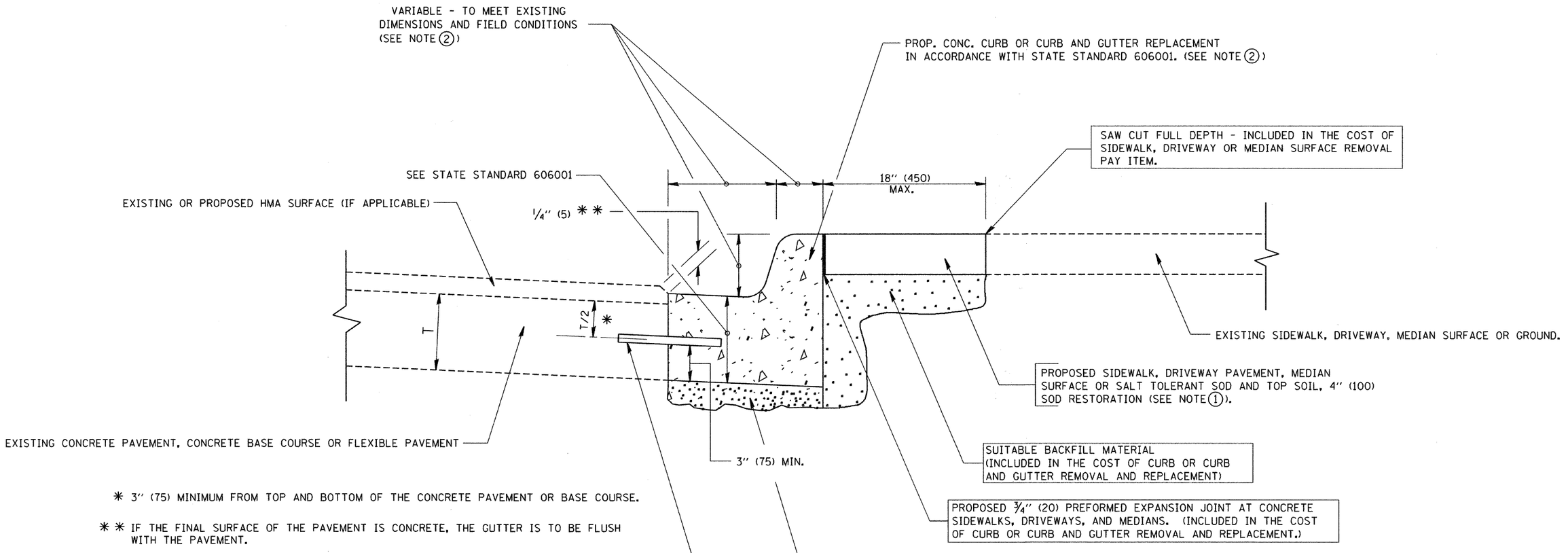
		DRAWN -	REVISED - R. BORO 01-01-07
	PLOT SCALE = 50.000 '/ IN.	CHECKED -	REVISED - R. BORO 09-04-07
	PLOT DATE = 10/27/2008	DATE - 10-25-94	REVISED - K. ENG 10-27-08

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR
HMA SURFACED PAVEMENT

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	09-00247-00-RS	COOK	27	21
BD400-04 (BD-22)		CONTRACT NO.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

* * IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

NOTE: (1) SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.

SALT TOLERANT SOD AND TOP SOIL, 4" (100) RESTORATION WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

(2) CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.

(3) FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

(4) LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

(5) THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.

(6) THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.

(7) THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

BASIS OF PAYMENT:

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

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

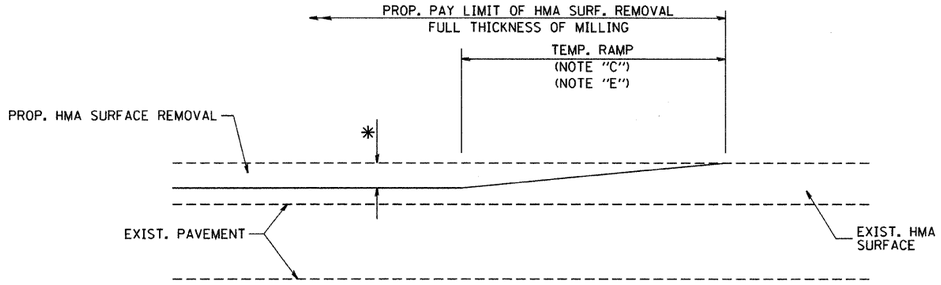
FILE NAME = W:\diststd\22x34\bd24.dgn	USER NAME = gaglenobt	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96
		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - M. GOMEZ 01-22-01
	PLOT DATE = 1/4/2008	DATE - 03-11-94	REVISED - R. BORO 01-01-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

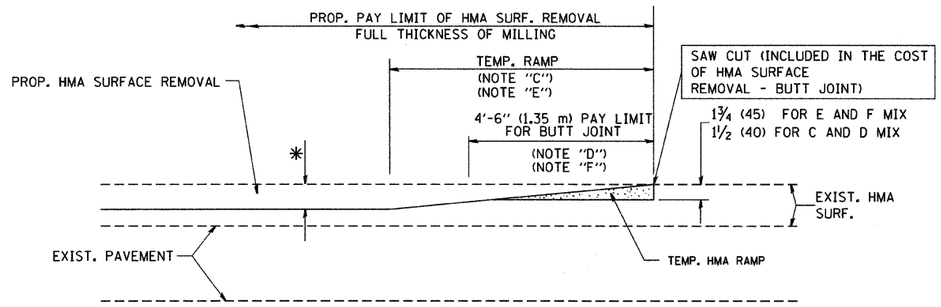
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	09-00247-00-RS	COOK	27	22
	BD600-06 (BD-24)	CONTRACT NO. 63397		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

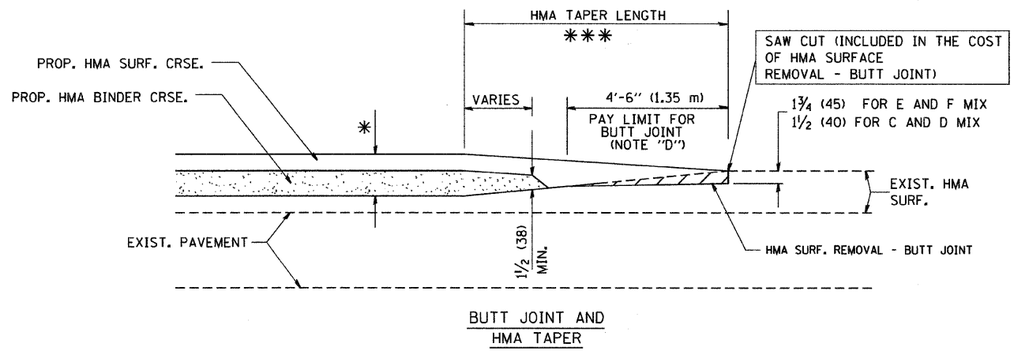


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

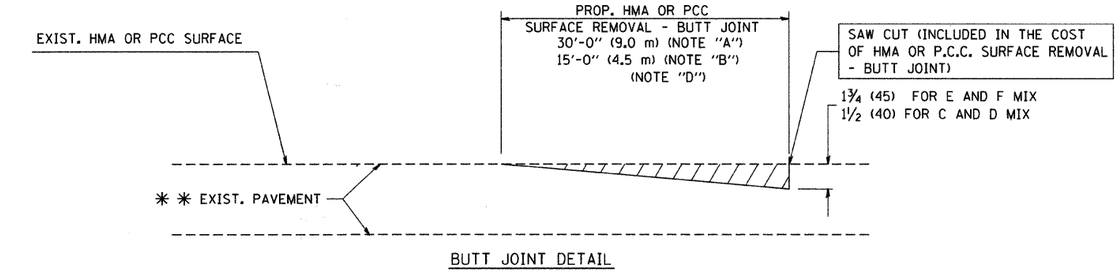
OPTION 2

TYPICAL TEMPORARY RAMP

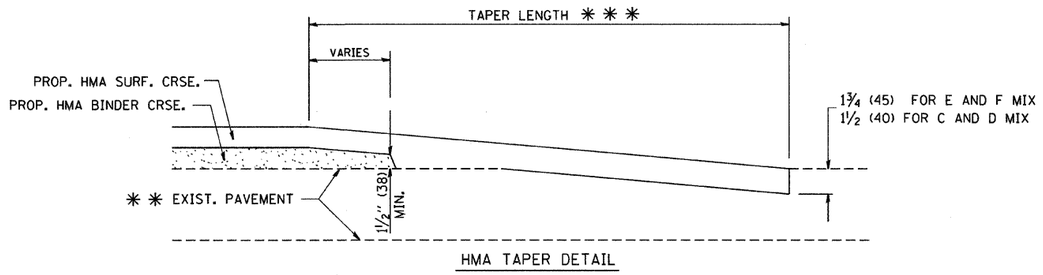


BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.

B: MINOR SIDE ROADS.

C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.

D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.

E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.

F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT

G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".

* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.

*** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

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

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

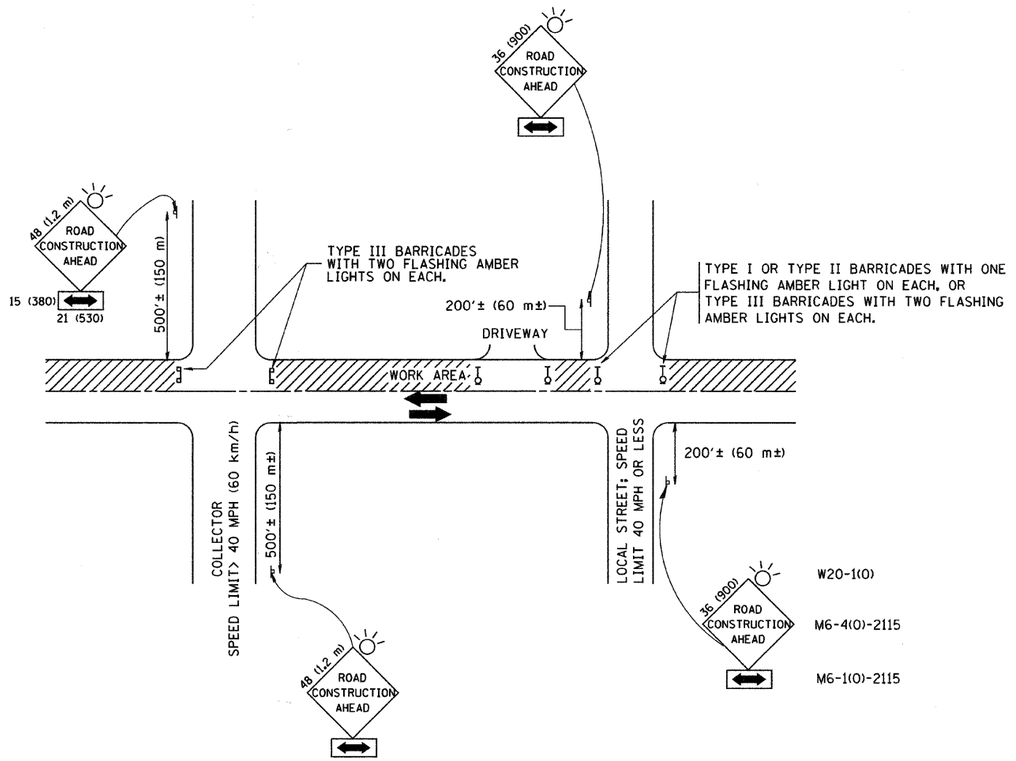
FILE NAME = W:\diststd\22x34\bd32.dgn	USER NAME = gaglianobt	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - R. BORO 01-01-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAILS

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	09-00247-00-RS	COOK	27	23
	BD400-05 BD32	CONTRACT NO.63397		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



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

NOTES:

A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

   a) ONE **ROAD CONSTRUCTION AHEAD** SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.

   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.

2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

   a) ONE **ROAD CONSTRUCTION AHEAD** SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.

   b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.

3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.

C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.

D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

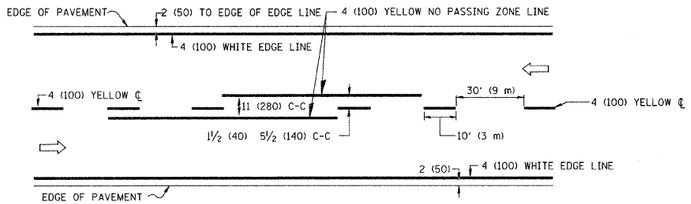
FILE NAME = W:\diststd\22x34\tc10.dgn	USER NAME = gaglianobt	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95
		DRAWN -	REVISED - A. HOUSEH 03-06-96
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLOT DATE = 1/4/2008	DATE - 06-89	REVISED -T. RAMMACHER 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

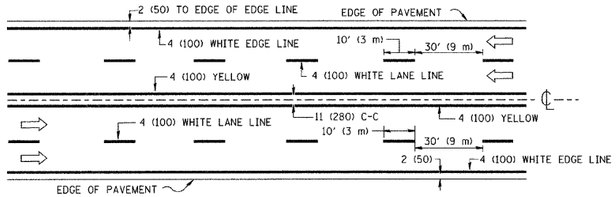
TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

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

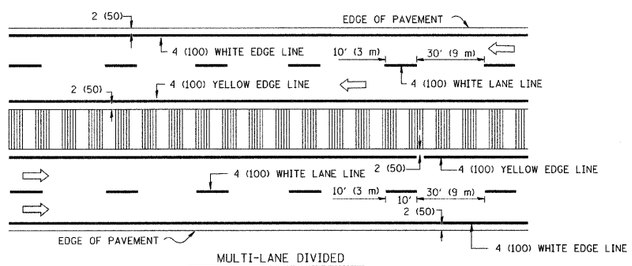
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	09-00247-00-RS	COOK	27	24
	TC-10	CONTRACT NO.63397		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



2-LANE ROADWAY



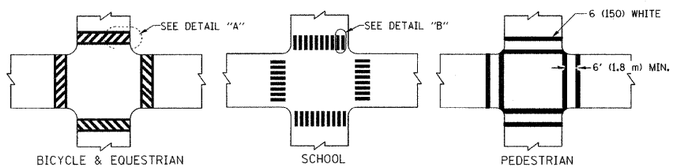
MULTI-LANE UNDIVIDED

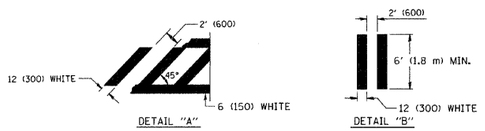


MULTI-LANE DIVIDED
WITH MOUNTABLE MEDIAN

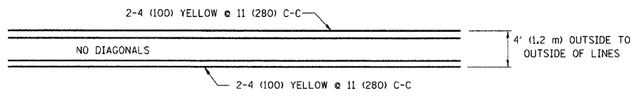
NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING

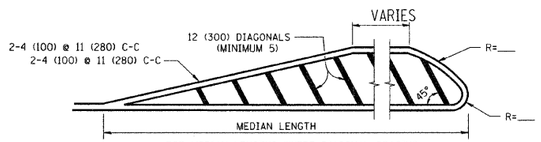




TYPICAL CROSSWALK MARKING



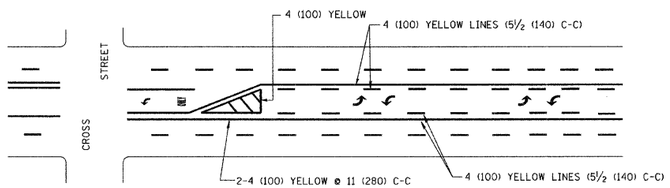
4' (1.2 m) WIDE MEDIANS ONLY



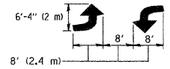
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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

MEDIANS OVER 4' (1.2 m) WIDE

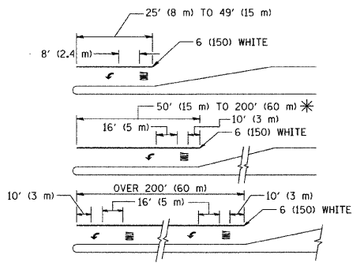


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

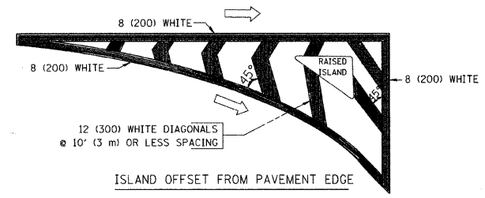


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
↰ AREA = 15.6 SQ. FT. (1.5 m^2) ONLY AREA = 20.8 SQ. FT. (1.9 m^2)

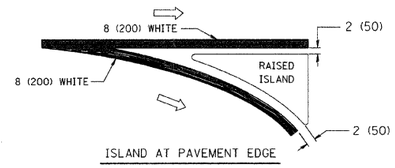
✳ TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 ⌀ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 ⌀ 4 (100)	SOLID SOLID	YELLOW YELLOW	5½ (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 ⌀ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 ⌀ 6 (150) 12 (300) ⌀ 45° 12 (300) ⌀ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 ⌀ 4 (100) WITH 12 (300) DIAGONALS ⌀ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS ⌀ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m^2) EACH "X"=54.0 SQ. FT. (5.0 m^2)
SHOULDER DIAGONALS	12 (300) ⌀ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

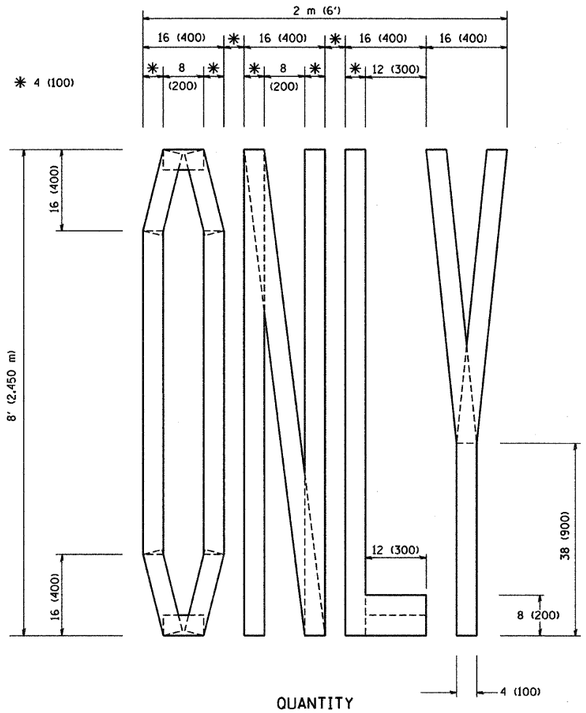
FILE NAME = c:\pw_work\pwidot\drivakosgn\d0108315\tc13.dgn	USER NAME = drivakosgn	DESIGNED - EVERS	REVISED -T. RAMMACHER 10-27-94
		DRAWN -	REVISED -C. JUCIUS 09-09-09
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 9/9/2009	DATE - 03-19-90	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

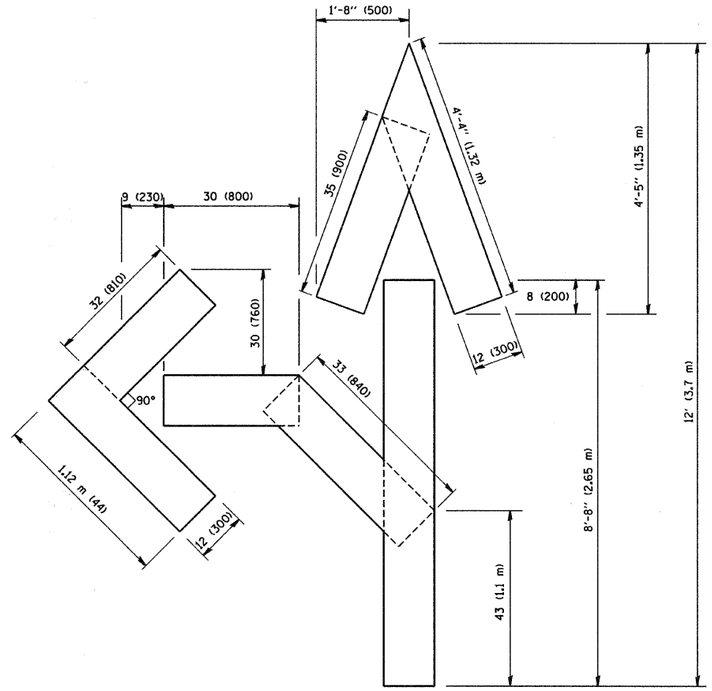
DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

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

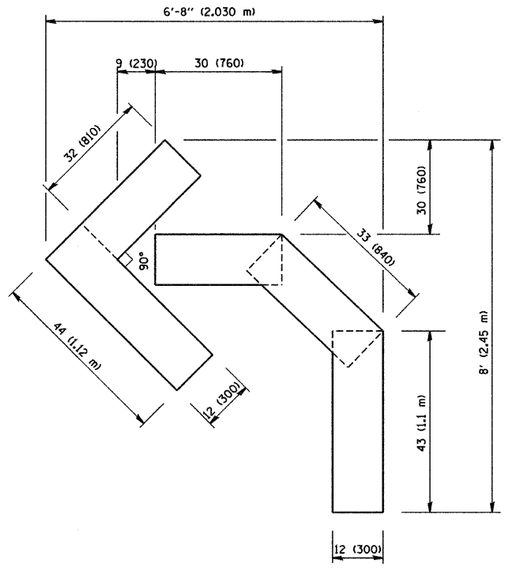
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	09-00247-00-RS	COOK	27	25
	TC-13	CONTRACT NO.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



QUANTITY
4 (100) LINE = 64.1 ft. (19.7 m)
21.1 sq. ft. (1.97 sq. m)



QUANTITY
4 (100) LINE = 82.5 ft. (25.3 m)
27.5 sq. ft. (2.53 sq. m)



QUANTITY
4 (100) LINE = 45.5 ft. (13.9 m)
15.2 sq. ft. (1.39 sq. m)

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

FILE NAME = W:\diststd\22x34\tc16.dgn	USER NAME = gaglanobt	DESIGNED -	REVISED -T. RAMMACHER 06-05-96
		DRAWN -	REVISED -T. RAMMACHER 11-04-97
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -T. RAMMACHER 03-02-98
	PLOT DATE = 1/4/2008	DATE - 09-18-94	REVISED -E. GOMEZ 08-28-00

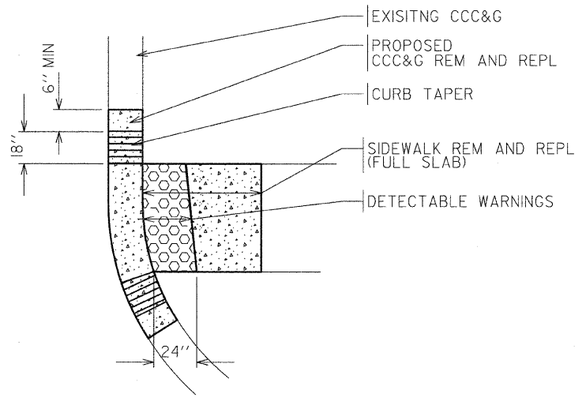
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING

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

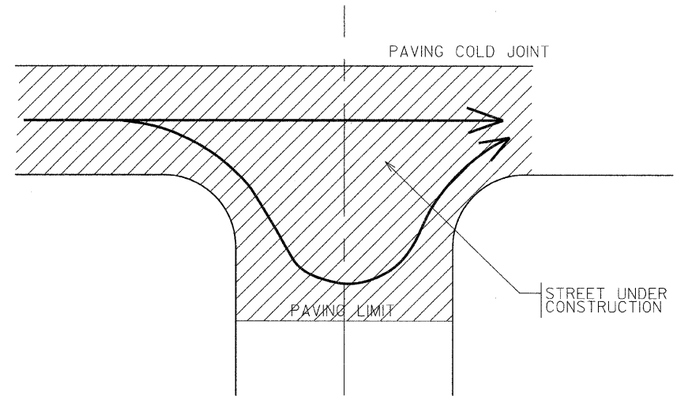
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2783	09-00247-00-RS	COOK	27	26
	TC-16	CONTRACT NO. 63397		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

F.A.U. ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET No.
2783	09-00247-00-RS	COOK	27	27
VILLAGE OF OAK PARK DETAILS				
FED. ROAD DISTR. No.	ILLINOIS	CONTRACT NO. 63397		



TYPICAL SIDEWALK RAMP
PAY ITEMS LIMITS

VOP-C2(MOD)



CONTINUOUS PAVING OPERATION
THROUGH INTERSECTION

VOP-P1

REVISIONS:	
Oct 27, 2009	RB
Dec 3, 2009	RB

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.U. ROUTE 2783 - RIDGELAND AVENUE

VILLAGE OF OAK PARK
DETAILS

SCALE: 1"=20' (24X36) HALF SIZE (11X17) DRAWN BY: RB
DATE: 9/10/09 CHECKED BY: JB

VILLAGE OF OAK PARK
ENGINEERING DIVISION

PROJECT No. 09-00247-00-RS

PROJECT NAME: STREETS RESURFACING

FILE NAME: 8_VOPdetails.dgn

RIDGELAND AVENUE

SHEET: 27