1-15-10 Letting, Item 064

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
184	09-00068-00-RS	LAKE	14	1
	ILLINOIS	CONTRACT NO. 63394		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED FEDERAL-AID HIGHWAY

RESURFACING
FAU 184 HAWTHORN DRIVE FROM CH V63 CEDAR LAKE ROAD (LAKE/ROUND LAKE BEACH) TO CH A20 ROLLINS ROAD (LAKE/ROUND LAKE BEACH)

VILLAGE SECTION 09-00068-00-RS
FEDERAL PROJECT ARA-9003 (460)
VILLAGE OF ROUND LAKE BEACH
JOB NO. C-91-894-09

LOCATION OF SECTION INDICATED THUS ▬

INDEX OF SHEETS

DESIGN DESTINATION

COLLECTOR

TRAFFIC DATA

ADT: 1850VPD (2009)
2450VPD (2030)

POSTED SPEED

25 MPH (EXISTING)/ 20MPH (SCHOOL ZONE)
25 MPH (PROPOSED)/ 20MPH (SCHOOL ZONE)

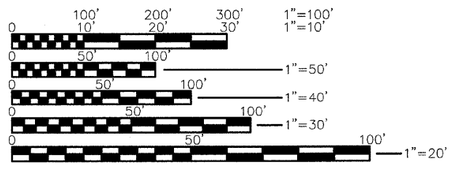
DESIGN SPEED

30 MPH (EXISTING)
30 MPH (PROPOSED)

PROJECT IS LOCATED IN THE VILLAGE OF ROUND LAKE BEACH

J.U.L.I.E
JOINT
UTILITY
LOCATION
INFORMATION FOR
EXCAVATION
CALL 811

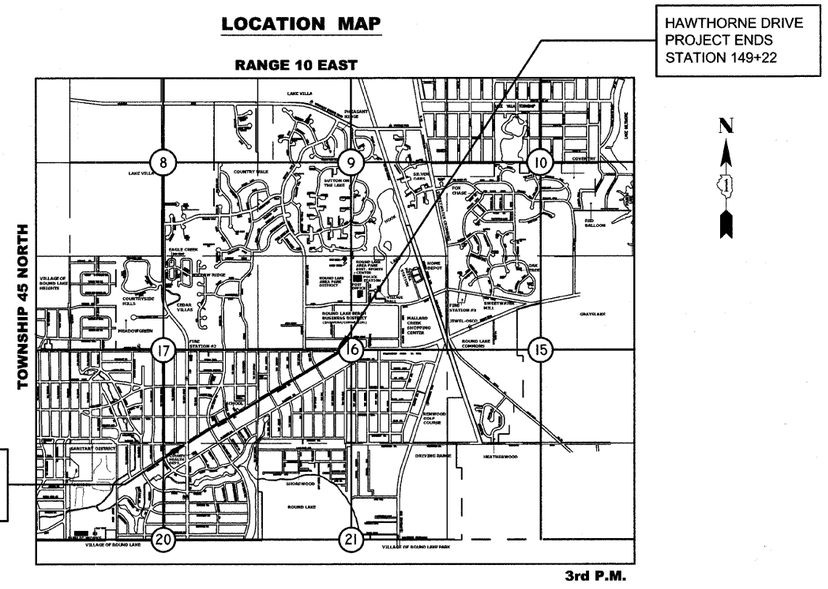
811 Know what's below. Call before you dig.



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.

CONTRACT NO. 63394

LOCATION MAP



PROJECT LENGTH
TOTAL GROSS LENGTH= 4890 FT. (0.926 MI)
TOTAL NET LENGTH= 4890 FT. (0.926 MI)

PROFESSIONAL ENGINEER'S SIGN & SEAL

STATE OF ILLINOIS
ROBERT J. DEVERY
62-36615
PROFESSIONAL ENGINEER
SEAL

Robert J. Devery 10/14/09
ROBERT J. DEVERY, P.E.
EXPIRES: 11/30/09

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED October 14 20 09
LOCAL AGENCY OFFICIAL

PASSED October 26 20 09
REGION ONE ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID
BASED ON LIMITED REVIEW October 26, 20 09
Diane M. O'Keefe pc
DEPUTY DIRECTOR OF HIGHWAYS, REGION ONE ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

BUREAU OF LOCAL ROADS AND STREETS: ASSOCIATE FIELD ENGINEER – KEVIN STALLWORTH, P.E. (847) 705-4169 SCHAUMBURG, IL

SUMMARY OF QUANTITIES

SPECIALTY ITEM	CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL 1000-2A
	20200100	EARTH EXCAVATION	CU YD	128
	21101610	TOPSOIL FURNISH AND PLACE, 3"	SQ YD	1982
	25000100	SEEDING, CLASS 1	ACRE	0.41
	25100630	EROSION CONTROL BLANKET	SQ YD	1982
	31101100	SUB-BASE GRANULAR MATERIAL, TYPE B	CU YD	4
	40300100	BITUMINOUS MATERIALS (PRIME COAT)	GAL	2400
	40600300	AGGREGATE (PRIME COAT)	TON	40
	40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	900
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1150
	40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	1400
	42001300	PROTECTIVE COAT	SQ YD	148
	42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	25
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	776
	42400800	DETECTABLE WARNINGS	SQ FT	60
	44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	1042
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	960
	44000600	SIDEWALK REMOVAL	SQ FT	800
	44001700	COMBINATION CONCRETE CURB AND GUTTER REPLACEMENT	FOOT	10
	44201713	CLASS D PATCHES, TYPE I, 6 INCH	SQ YD	11
	44201717	CLASS D PATCHES, TYPE II, 6 INCH	SQ YD	44
	44201721	CLASS D PATCHES, TYPE III, 6 INCH	SQ YD	183
	44201723	CLASS D PATCHES, TYPE IV, 6 INCH	SQ YD	678
	44300100	AREA REFLECTIVE CRACK CONTROL TREATMENT	SQ YD	15000
	48101200	AGGREGATE SHOULDERS, TYPE B	TON	300
	48203006	HOT-MIX ASPHALT SHOULDERS, 2 1/4"	SQ YD	514
	60255500	MANHOLES TO BE ADJUSTED	EACH	26
	60266600	VALVE BOXES TO BE ADJUSTED	EACH	13
	60600095	CLASS SI CONCRETE (OUTLET)	CU YD	2
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	80
	67100100	MOBILIZATION	L SUM	1
	70101800	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	10066
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	9194
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	60
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	384
	Z0018900	DRILL AND GROUT DOWEL BARS	EACH	8
	Z0062300	SAWING ASPHALT SURFACE	FOOT	5742
	Z0062500	SAWING P.C. CONCRETE DRIVEWAYS	FOOT	30
	X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	130
	XX004774	BRICK DRIVEWAY REMOVAL AND REPLACEMENT	SQ FT	30
	XX006806	HOT-MIX ASPHALT DRIVEWAY PAVEMENT	SQ YD	1000

* DENOTES SPECIALTY ITEMS

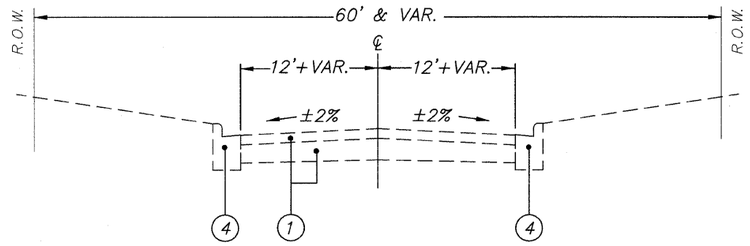
PLAN NOTES

1. ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2007, AND THE "STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS", ADOPTED ON JANUARY 1, 2010, THE DETAILS IN THESE PLANS AND THE CONTRACT DOCUMENTS.
2. THE ELEVATIONS SHOWN ON THESE PLANS ARE U.S.G.S. DATUM.
3. THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT SOME QUANTITIES ARE GIVEN IN BOTH SUMMARY FORM AND ON THE PLAN SHEETS. CARE SHOULD, THEREFORE, BE TAKEN TO AVOID DUPLICATION OF QUANTITIES.
4. THE CONTRACTOR SHALL NOTIFY JULIE (811) FOR UTILITY LOCATIONS AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
5. DURING CONSTRUCTION OPERATIONS, ANY LOOSE MATERIALS BLOCKING DITCH LINES, STORM SEWERS, MANHOLES, ETC., SHALL BE REMOVED AT THE END OF EACH DAY. MAINTENANCE OF DRAINAGE WAYS AND STRUCTURES SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.
6. EXISTING SUMP PUMPS, FIELD TILES, ETC., DISCHARGING INTO EXISTING STORM SEWERS SHALL BE PROTECTED.
7. ALL SOD OR OTHER UNSUITABLE MATERIALS SHALL BE REMOVED FROM EXISTING SURFACES BEFORE PLACING AGGREGATE MATERIALS.
8. THE LOCATION AND/OR ELEVATIONS OF THE EXISTING UNDERGROUND UTILITIES, SUCH AS WATER MAINS, SEWERS, GAS, TELEPHONES AND POWER ARE SHOWN ON THE PLANS BASED ON THE BEST INFORMATION AVAILABLE AND ARE GIVEN FOR THE CONVENIENCE OF THE CONTRACTOR. THE CONTRACTOR MUST ASSUME RESPONSIBILITY FOR ALL UTILITIES, WHETHER SHOWN OR NOT, AND MUST REALIZE THAT THE ACTUAL LOCATIONS AND/OR ELEVATIONS OF THE UTILITIES SHOWN MAY BE DIFFERENT THAN INDICATED. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION OPERATIONS WITH THE UTILITY COMPANIES SO THAT ANY RELOCATION NECESSARY WILL PROCEED IN AN ORDERLY MANNER.
9. HANDICAP RAMPS SHALL BE PROVIDED AT ALL SIDEWALK INTERSECTIONS.
10. PROTECTIVE COAT SHALL BE APPLIED TO ALL GUTTER FLAGS, FACE AND TOP OF CURB AND GUTTER, P.C.C. SIDEWALK AND P.C.C. SIDEWALK.
11. AGGREGATE FOR AGGREGATE SHOULDERS AND SUB BASE GRANULAR MATERIAL SHALL BE CA-6, CRUSHED STONE OR GRAVEL.
12. ALL DRIVEWAYS SHALL BE SAW-CUT 5 FEET BEHIND THE EDGE OF PAVEMENT. THE PAY ITEM FOR DRIVEWAY REMOVAL SHALL INCLUDE BOTH CONCRETE AND HMA DRIVEWAYS. HMA DRIVEWAY PAVEMENT SHALL BE 3" THICK AND PAID FOR AT THE UNIT PRICE PER SQUARE YARD FOR HOT-MIX ASPHALT DRIVEWAY PAVEMENT. PC CONCRETE DRIVEWAYS SHALL BE PAID FOR AT THE UNIT PRICE PER SQUARE YARD FOR PCC DRIVEWAY PAVEMENT, 6"
13. SIDEWALK AND CURB REMOVAL SHALL INCLUDE SAW CUTTING WHERE NECESSARY.
14. ADJUSTMENT OF MANHOLES SHALL BE MADE WITH PRECAST CONCRETE ADJUSTMENT RINGS AND SEALED WITH A BUTYL BASED ROPE GASKET.
15. EXISTING PUBLIC AND PRIVATE UTILITIES ARE SHOWN ON THE PLANS ACCORDING TO INFORMATION OBTAINED FROM UTILITY COMPANIES, MUNICIPALITIES, AND SURVEYS. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE LOCATION OF ALL UTILITIES AND STRUCTURES THAT MAY BE FOUND IN THE VICINITY OF THE CONSTRUCTION AND ASSUME RESPONSIBILITY FOR ALL UTILITIES WHETHER SHOWN OR NOT, AND MUST REALIZE THAT THE ACTUAL LOCATIONS AND/OR ELEVATIONS OF THE UTILITIES MAY BE DIFFERENT THAN INDICATED. SHOULD ANY DAMAGES OCCUR DUE TO THE CONTRACTOR'S NEGLIGENCE, REPAIRS SHALL BE MADE BY THE CONTRACTOR AT HIS OWN EXPENSE. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES OF HIS CONSTRUCTION SCHEDULE AND COORDINATE CONSTRUCTION OPERATIONS WITH THE UTILITY COMPANIES SO THAT RELOCATION OF UTILITY LINES AND STRUCTURES MAY PROCEED IN AN ORDERLY MANNER.
16. SIDEWALKS SHALL BE CONSTRUCTED ACCORDING TO SECTION 424 OF THE STANDARD SPECIFICATIONS WITH THE FOLLOWING EXCEPTIONS. THE PLANS ARE ILLUSTRATIVE ONLY TO PROVIDE THE CONTRACTOR WITH THE SCOPE AND ESTIMATE OF WORK REQUIRED. FINAL LOCATION OF THE SIDEWALKS SHALL BE STAKED IN THE FIELD AND WILL BE SUBJECT TO MINOR DEVIATIONS AS DETERMINED BY ENGINEER. NO ADDITIONAL COMPENSATION WILL BE PERMITTED DUE TO MINOR REALIGNMENT OF THE SIDEWALK. EXPANSION JOINTS SHALL BE INSTALLED EVERY 50 FEET WITH PERFORMED JOINT FILLER IN ACCORDANCE WITH SECTION 424 OF THE STANDARD SPECIFICATIONS. EXCAVATION TO SUBGRADE SHALL BE PAID FOR AS SIDEWALK REMOVAL.
    2" OF CA-6 AGGREGATE BEDDING (SEE NOTE 11) SHALL BE INSTALLED AND PAID FOR AT THE UNIT PRICE PER CUBIC YARD OF SUBBASE GRANULAR MATERIAL, TYPE B. SIDEWALK SHALL BE PAID FOR AT THE UNIT PRICE PER SQUARE FOOT FOR P.C.C. SIDEWALK, 5".
17. MAILBOXES THAT INTERFERE WITH CONSTRUCTION SHALL BE REMOVED AND RELOCATED. CONTRACTOR SHALL CONSULT THE LOCAL POST OFFICE PRIOR TO RELOCATING ANY MAILBOX. MAILBOX REMOVAL AND RELOCATION SHALL BE INCLUDED IN THE COST OF HMA SURFACE COURSE.

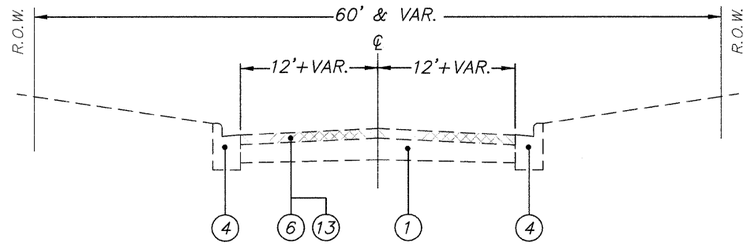
HIGHWAY STANDARDS

000001-05 . . . . STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
424001-05 . . . . CURB RAMP FOR SIDEWALKS
442201-03 . . . . CLASS C & D PATCHES
606001-04 . . . . CONCRETE CURB AND COMBINATION CONCRETE CURB AND GUTTER
606006-02 . . . . OUTLET FOR CONCRETE CURB & GUTTER TYPE B-15.60 (B-6.24)
701301-03 . . . . LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03 . . . . LANE CLOSURE, 2L 2W MOVING OPERATIONS-DAY ONLY
701501-05 . . . . URBAN LANE CLOSURE, 2L, 2W UNDIVIDED
701901-01 . . . . TRAFFIC CONTROL DEVICES
780001-02 . . . . TYPICAL PAVEMENT MARKINGS

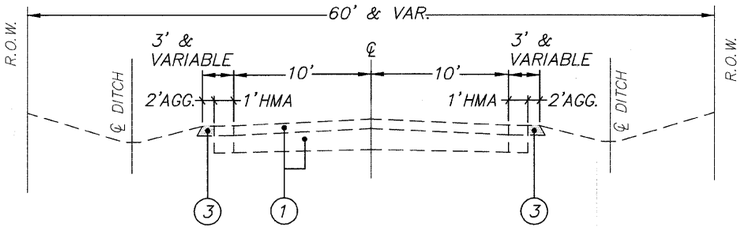
FILE NAME = 10259702.DWG	USER NAME =	DESIGNED - RJD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FILE NAME =	DRAWN - EC	REVISED -			184	09-00068-00-RS	LAKE	14	2
	PLOT SCALE =	CHECKED - RJD	REVISED -					CONTRACT NO. 63394		
	PLOT DATE =	DATE - 10/07/09	REVISED -		SCALE: N.T.S. SHEET NO. 2 OF 14 SHEETS			ILLINOIS FED. AID PROJECT		



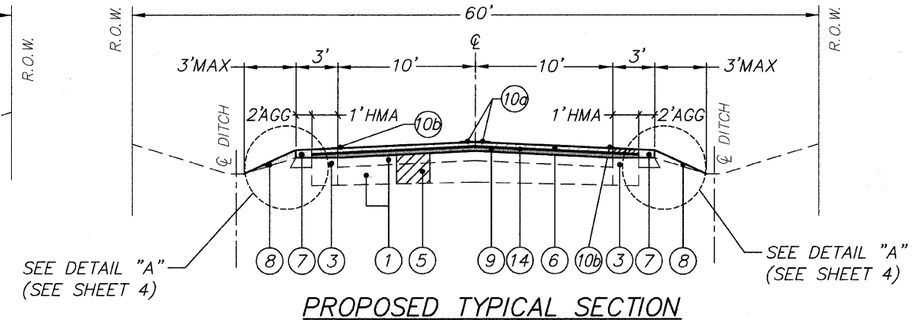
EXISTING TYPICAL SECTION
STA 100+32–101+53
STA 146+36–149+22



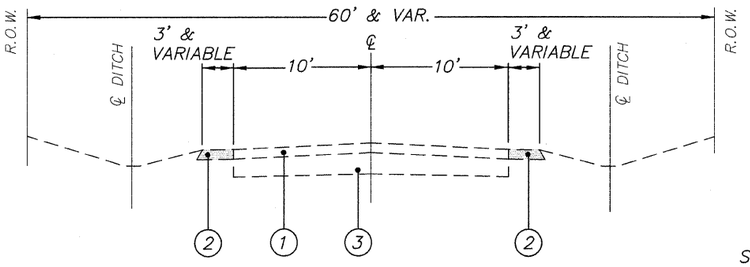
PROPOSED TYPICAL SECTION
STA 100+32–101+53
STA 146+36–149+22



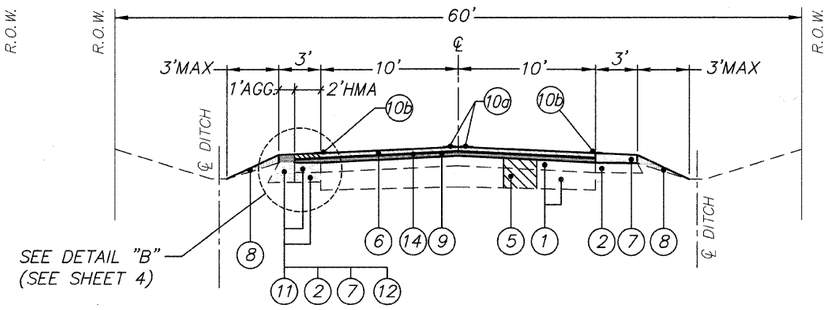
EXISTING TYPICAL SECTION
STA 101+53–123+00



PROPOSED TYPICAL SECTION
STA 101+53–123+00



EXISTING TYPICAL SECTION
STA 123+00–146+36



PROPOSED TYPICAL SECTION
STA 123+00–146+36

LEGEND

1. EXISTING PAVEMENT:
   - HMA T=3"–4"
   - AGGREGATE BASE COURSES 7"–12"
2. EXISTING COMBINATION AGGREGATE/TURF SHOULDER
3. EXISTING COMBINATION HMA/AGGREGATE SHOULDER
4. EXISTING CONCRETE CURB AND GUTTER
5. PROPOSED CLASS D PATCHES, 6"
6. PROPOSED HMA SURFACE COURSE, MIX "C", N50, 1 1/2"
7. PROPOSED AGGREGATE SHOULDERS, TYPE B
8. PROPOSED LANDSCAPING:
   - TOPSOIL FURNISH AND PLACE, 3"
   - SEEDING CLASS 1
   - EROSION CONTROL BLANKET
9. PROPOSED (AVERAGE) LEVELING BINDER (MACHINE METHOD) N50, 1"
10. PROPOSED THERMOPLASTIC PAVEMENT MARKING LINE
    a. 2–4" YELLOW CENTERLINE
    b. 6" WHITE EDGE LINE
11. PROPOSED EARTH EXCAVATION
12. PROPOSED HOT MIX ASPHALT SHOULDERS, 2 1/4"
13. PROPOSED HMA SURFACE REMOVAL, 1 1/2"
14. PROPOSED AREA REFLECTIVE CRACK CONTROL TREATMENT
15. PROPOSED HOT–MIX ASPHALT DRIVEWAY PAVEMENT, 3"
16. PROPOSED DRIVEWAY PAVEMENT REMOVAL
17. PROPOSED SAWING ASPHALT SURFACE

HOT MIX ASPHALT MIXTURE REQUIREMENT	
MIXTURE TYPE	**AIR VOIDS @ Ndes**
PATCHING	
CLASS D PATCHES (HMA BINDER IL-19mm)	4%@ 50 Gyr
DRIVEWAYS	
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (IL-9.5mm), 3"	4%@ 50 Gyr
PAVEMENT RESURFACING	
HOT-MIX ASPHALT SURFACE COURSE,MIX C, N50 (IL-9.5mm)	4%@ 50 Gyr
LEVELING BINDER (MACHINE METHOD), N50	4%@ 50 Gyr
SHOULDERS	
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	4%@ 50 Gyr

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

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.

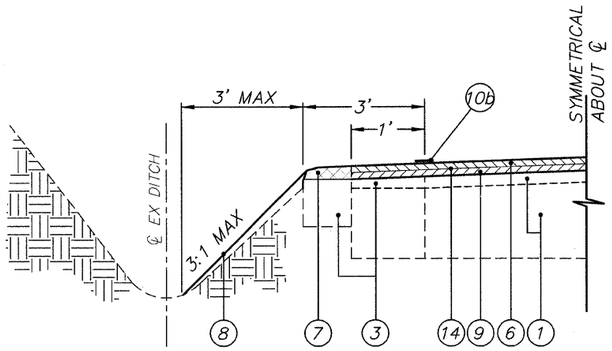
FILE NAME = 10259702.DWG	USER NAME =	DESIGNED – RJD	REVISED –
	FILE NAME =	DRAWN – EC	REVISED –
	PLOT SCALE =	CHECKED – RJD	REVISED –
	PLOT DATE =	DATE – 10/07/09	REVISED –

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

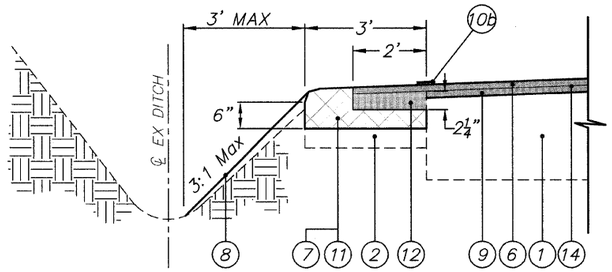
EXISTING AND PROPOSED TYPICAL SECTIONS

SCALE: N.T.S. | SHEET NO. 3 OF 14 SHEETS

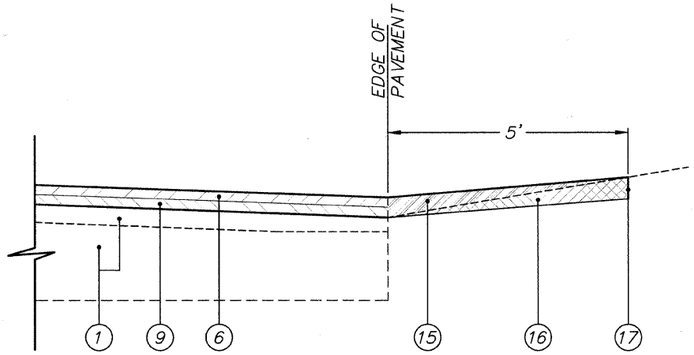
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
184	09–00068–00–RS	LAKE	14	3
		CONTRACT NO. 63394		
	ILLINOIS FED. AID PROJECT			



DETAIL "A"



DETAIL "B"



HMA DRIVEWAY PAVEMENT DETAIL

HOT-MIX ASPHALT DRIVEWAY PAVEMENT SCHEDULE	
STATION	HMA PAVEMENT (SQ YD)
101+66 R	10
101+70 L	14
102+00 R	12
102+15 L	15
102+29 R	10
102+69 R	13
103+33 R	12
104+50 R	10
105+00 L	12
105+00 R	12
105+50 R	10
105+87 R	11
106+13 L	13
106+37 R	21
107+90 R	11
108+36 R	11
108+94 R	11
109+33 R	11
109+77 R	9
110+38 R	11
110+82 R	5
111+25 L	12
111+32 R	9
111+81 R	11
112+47 L	11
114+07 R	20
115+09 R	10
116+00 R	11
116+35 R	11
117+09 R	9
117+50 R	8
118+10 R	10
118+31 R	10
118+93 R	9
119+50 R	10
120+50 R	11
120+82 R	12
120+88 L	14
121+00 L	12
123+80 R	10
124+61 R	14
125+15 R	6
125+37 L	14
125+68 R	7

HOT-MIX ASPHALT DRIVEWAY PAVEMENT SCHEDULE	
STATION	HMA PAVEMENT (SQ YD)
127+79 R	9
128+37 R	8
129+00 L	10
129+00 R	9
129+63 R	11
130+69 R	12
131+00 R	8
132+00 L	12
132+00 R	18
133+14 R	10
133+73 R	15
133+80 L	12
135+14 R	7
135+82 R	22
136+00 L	16
136+39 R	10
137+00 L	14
137+00 R	23
137+58 R	11
138+21 R	23
139+17 R	9
139+19 L	13
139+67 L	12
140+00 R	10
140+41 R	11
140+73 L	11
140+85 R	13
141+56 R	14
142+81 R	13
143+15 L	21
143+43 R	14
143+50 L	9
144+21 L	8
144+46 R	25
144+58 L	8
145+00 L	9
145+30 R	14
145+88 R	18
146+25 R	13
TOTAL	1,000

LEGEND

(1) EXISTING PAVEMENT:
- HMA T=3"–4"
- AGGREGATE BASE COURSES 7"–12"

(2) EXISTING COMBINATION AGGREGATE/TURF SHOULDER

(3) EXISTING COMBINATION HMA/AGGREGATE SHOULDER

(4) EXISTING CONCRETE CURB AND GUTTER

(5) PROPOSED CLASS D PATCHES, 6"

(6) PROPOSED HMA SURFACE COURSE, MIX "C", N50, 1 1/2"

(7) PROPOSED AGGREGATE SHOULDERS, TYPE B

(8) PROPOSED LANDSCAPING:
- TOPSOIL FURNISH AND PLACE, 3"
- SEEDING CLASS 1
- EROSION CONTROL BLANKET

(9) PROPOSED (AVERAGE) LEVELING BINDER (MACHINE METHOD) N50, 1"

(10) PROPOSED THERMOPLASTIC PAVEMENT MARKING LINE
a. 2–4" YELLOW CENTERLINE
b. 6" WHITE EDGE LINE

(11) PROPOSED EARTH EXCAVATION

(12) PROPOSED HOT MIX ASPHALT SHOULDERS, 2 1/4"

(13) PROPOSED HMA SURFACE REMOVAL, 1 1/2"

(14) PROPOSED AREA REFLECTIVE CRACK CONTROL TREATMENT

(15) PROPOSED HOT–MIX ASPHALT DRIVEWAY PAVEMENT, 3"

(16) PROPOSED DRIVEWAY PAVEMENT REMOVAL

(17) PROPOSED SAWING ASPHALT SURFACE

NOTE:
FOR PCC DRIVEWAY TRANSITION, SAW CUT 5' BEYOND EDGE OF PAVEMENT; REMOVE DRIVEWAY SECTION, REPLACE WITH PC CONCRETE DRIVEWAY PAVEMENT, 6".

FILE NAME = 10259702.DWG	USER NAME =	DESIGNED — RJD	REVISED —
	FILE NAME =	DRAWN — EC	REVISED —
	PLOT SCALE =	CHECKED — RJD	REVISED —
	PLOT DATE =	DATE — 10/07/09	REVISED —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS DETAILS
SCHEDULE OF QUANTITIES

SCALE: N.T.S. | SHEET NO. 4 OF 14 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
184	09–00068–00–RS	LAKE	14	4
		CONTRACT NO. 63394		
		ILLINOIS FED. AID PROJECT		

ADJUSTMENT SCHEDULE

STATION	MANHOLES	VALVE BOXES
101+30 Rt	1	1
102+23 Lt		1
103+62 Lt		
104+95 Rt	1	
107+62 Lt		1
108+92 Rt	1	
110+03 Rt	1	
110+25 Lt		1
112+94 Lt		1
113+00 Lt+Rt	2	
113+04 Lt		1
113+04 Rt	1	
113+25 Rt	1	
115+05 Rt	1	
116+26 Lt	1	
116+50 Rt	1	
119+04 Rt	1	
121+04 Rt	1	
123+96 Lt	1	
126+68 Rt		1
128+91 Rt	1	
131+47 Lt	1	
131+76 Lt	1	
134+18 Lt	1	
134+18 Rt		1
134+48 Rt		1
135+46 Rt	1	
135+95 Rt	1	
137+98 Lt	1	
138+26 Rt		1
141+71 Lt	1	
141+88 Rt		1
141+92 Rt		1
141+96 Rt		1
145+60 Lt	1	
147+20 Lt	1	
147+50 Lt	1	
147+98 Lt	1	
TOTALS	**26**	**13**

SIDEWALK REMOVAL/REPLACEMENT SCHEDULE

STATION	REMOVAL (SQ FT)	PCC SIDEWALK, 5" (SQ FT)
114+86–115+08 Lt	115	115
115+54–115+64 Lt	67	67
116+20–116+42 Lt	105	105
116+58–116+63 Lt	23	23
117+13–117+38 Lt	123	123
118+35–118+82 Lt	247	247
119+00–119+06 Lt	30	30
119+12–119+18 Lt	30	22
119+50–119+58 Lt	30	22
122+52–122+58 Lt	30	22
TOTALS	**800**	**776**

CURB REMOVAL/REPLACEMENT SCHEDULE

STATION	CURB REMOVAL (FT)	COMB CONC C&G TY B-6.12 (FT)	DOWEL BARS (EA)
100+41–100+54 Rt	10	10	4
146+35–146+85 Lt	–	50	4
TOTALS	**10**	**60**	**8**

THERMOPLASTIC PAVEMENT MARKING SCHEDULE

STATION	CENTERLINE 2-4" YELLOW (FT)	MEDIAN YELLOW 4" (FT)	MEDIAN YELLOW 12" (FT)	EDGE OF PAVEMENT 6" WHITE (FT)	STOP BAR PAVEMENT 24" WHITE (FT)	CROSS WALK 6" WHITE (FT)
100+55 – 103+45 CL	580					
100+55 Lt					25	
100+66 – 103+66 Lt				350		
100+75 – 107+25 Rt				690		
103+50 – 103+70 Lt					20	
103+60 Lt	100					
103+95 – 107+42 Lt				380		
104+00 – 107+25CL	650					
107+33 – 107+50 Lt					17	
107+65 – 110+08 Lt				270		
107+50 Lt	100					
107+42 – 107+54 Rt					12	
107+44 Rt	100					
107+52 – 113+00 Rt				570		
107+76 – 109+90 CL	428					
110+02 – 110+15 Lt					13	
110+15 CL	100					
110+30 – 113+08 Lt				300		
110+55 – 112+85 CL	460					
112+95 – 113+10 Lt					14	
113+10 Lt	100					
113+15 Rt	100					
113+15 – 113+30 Rt					15	
113+24 – 122+40 Rt				950		
113+26 – 119+23 Lt				625		
113+40 – 119+00 CL	1120					
119+20 – 119+40 Lt					14	
119+40 Lt	100					
119+16 – 119+54 Lt						70
119+50 – 122+75 Rt				340		
119+58 – 122+46 CL	576					
122+46 Rt					26	
122+76 – 122+90 Lt					18	
122+80 Rt		300	60			
122+80 – 123+00 Rt					20	
122+90 – 126+80 Rt				380		
123+25 Lt					22	
123+25 – 126+52 CL	554					
123+32 – 126+64 Lt				345		
126+72 – 126+90 Lt					20	
126+90 Lt	100					
126+78 Rt	100					
126+78 – 126+92 Rt					14	
126+90 – 134+20 Rt				757		
127+10 – 129+45 Lt				360		
127+32 – 130+30 CL	596					
130+36 – 130+54 Lt					16	
130+54 Lt	100					
130+72 – 134+22 Lt				370		
130+90 – 134+10 CL	640					
134+20 – 134+36 Lt					16	
134+36 Lt	100					
134+30 – 134+55 Rt					20	
134+30 Rt	100					
134+42 – 141+74 Rt				750		
134+46 – 137+95 Lt				375		
134+64 – 137+76 CL	624					
137+88 – 138+06 Lt					16	
138+06 Lt	100					
138+20 – 141+55 Lt				370		
138+36 – 141+48 CL	624					
141+68 – 141+83 Lt					16	
141+83 Lt	100					
141+83 Rt	100					
141+83 – 142+06 Rt					18	
141+98 – 146+35 Rt				437		
142+00 – 147+90 Lt				505		
142+15 – 149+22	1414					
149+22 Rt					32	
TOTAL	9766	300	60	9124	384	70

BITUMINOUS SURFACE REMOVAL SCHEDULE

STATION	1-1/2" AREA (SY)	BUTT JOINT AREA (SY)
100+30–100+55 CL		110
100+55–101+53 CL	288	
103+55–104+00 Lt		60
107+20--107+61 Rt		50
107+35–107+75 Lt		47
110+03–110+34 Lt		45
112+92--113+27 Rt		44
112+94–113+25 Lt		40
119+20–119+54 Lt		54
122+48–123+46 Lt		96
122+25–123+10 Rt		112
126+60--126+95 Rt		45
126+70–127+16 Lt		58
130+24–130+80 Lt		56
134+10--134+53 Rt		52
134+20–134+54 Lt		40
137+92–138+24 Lt		40
141+60--142+08 Rt		53
141+61–142+08 Lt		52
146+35–149+00 CL	754	
149+00–149+22 CL		96
TOTALS	**1042**	**1150**

CLASS D PATCHES SCHEDULE

STATION	TYPE I 5 OR LESS (SY)	TYPE II 5-15 (SY)	TYPE III 15-25 (SY)	TYPE IV 25 OR GREATER (SY)
HAWTHORNE DRIVE				
100+90 Rt				25
103+40 Rt				25
105+17 Rt				50
105+69 Lt				32
106+66 Cl				47
110+15 Rt	5			
112+05 Lt			24	
117+27 Rt		7		
117+87 Rt			17	
119+30 Rt				35
119+47 Lt		12		
123+45 Lt				35
123+27 Rt				36
124+85 Rt	3			
125+66 Lt			17	
125+84 Rt		5		
127+36 Cl				48
127+70 Rt			16	
128+89 Cl			21	
129+57 Rt			18	
130+08 Ll			15	
130+62 Rt		10		
131+01 Rt			20	
131+91 Rt			20	
132+00 Lt				29
133+24 Lt				25
134+47 Cl				46
135+14 Cl				158
136+64 Cl				27
136+95 Lt				35
139+32 Ll			15	
139+93 Lt				25
141+32 Ll		10		
147+97 Rt	3			
TOTAS	**11**	**44**	**183**	**678**

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	FILE NAME =	DRAWN – EC	REVISED –
	PLOT SCALE =	CHECKED – RJD	REVISED –
	PLOT DATE =	DATE – 10/07/09	REVISED –

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCHEDULE OF QUANTITIES

SCALE: N.T.S. | SHEET NO. 5 OF 14 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
184	09–00068–00–RS	LAKE	14	5
		CONTRACT NO. 63394		
		ILLINOIS FED. AID PROJECT		

MATCH LINE STATION 105+00

MATCH LINE STATION 110+50

N. LAKE SHORE DR.

W. HAWTHORNE DRIVE

EDGE OF AGGREGATE SHOULDER

EDGE OF HMA SHOULDER

CLASS D PATCH TYPE IV, 6"(32 SQ YD)

2-4" YELLOW CENTERLINE @ 11" C-C

47 SY HMA REMOVAL -BUTT JOINT

24" STOP BAR, WHITE

6" WHITE, EDGE LINE

CLASS D PATCH TYPE IV, 6"(50 SQ YD)

CLASS D PATCH TYPE III, 6"(15 SQ YD)

CLASS D PATCH TYPE IV, 6"(47 SQ YD)

50 SY HMA REMOVAL -BUTT JOINT

5' DRIVEWAY PAVEMENT REMOVAL (TYP)

45 SY HMA REMOVAL -BUTT JOINT

SCALE: HOR: 1"=20'

CEDAR LAKE ROAD

PARK DRIVE

110 SY HMA REMOVAL -BUTT JOINT

288 SY HMA SURFACE REMOVAL, 1 1/2"

60 SY HMA REMOVAL -BUTT JOINT

BEGIN IMPROVEMENTS STATION 100+32

COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT, 10FT

CLASS D PATCH TYPE IV, 6"(25 SQ YD)

12.5 SY
- DRIVEWAY PAVEMENT REMOVAL
- PCC DRIVEWAY PAVEMENT, 6"

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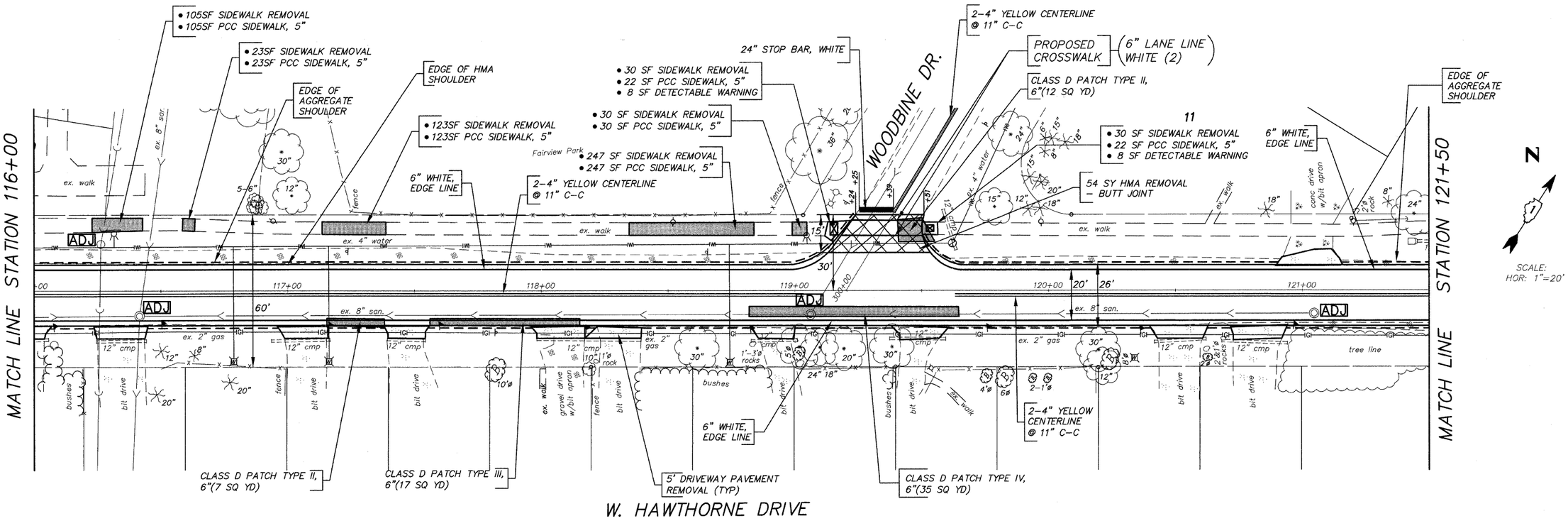
	FILE NAME =	DRAWN - EC	REVISED -
	PLOT SCALE =	CHECKED - RJD	REVISED -
	PLOT DATE =	DATE - 10/07/09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED PLAN
HAWTHORNE DRIVE RESURFACING

SCALE: 1"=20' | SHEET NO. 6 OF 14 SHEETS | STA. 100+00 TO STA. 110+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
184	09-00068-00-RS	LAKE	14	6
		CONTRACT NO. 63394		
		ILLINOIS	FED. AID PROJECT	



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	PLOT DATE =	DATE – 10/07/09	REVISED –

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED PLAN
HAWTHORNE DRIVE RESURFACING

SCALE: 1"=20' | SHEET NO. 7 OF 14 SHEETS | STA. 110+50 TO STA. 121+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
184	09–00068–00–RS	LAKE	14	7
		CONTRACT NO. 63394		
		ILLINOIS	FED. AID PROJECT	

MATCH LINE STATION 127+00

CLASS D PATCH TYPE IV, 6"(48 SQ YD)

6" WHITE, EDGE LINE

CLASS D PATCH TYPE III, 6"(16 SQ YD)

2-4" YELLOW CENTERLINE @ 11" C-C

6" WHITE, EDGE LINE

EDGE OF AGGREGATE SHOULDER

CLASS D PATCH TYPE III, 6"(21 SQ YD)

CLASS D PATCH TYPE III, 6"(15 SQ YD)

EDGE OF HMA SHOULDER

EDGE OF AGGREGATE SHOULDER

CLASS D PATCH TYPE III, 6"(18 SQ YD)

5' DRIVEWAY PAVEMENT REMOVAL (TYP)

2-4" YELLOW CENTERLINE @ 11" C-C

56 SY HMA SURFACE REMOVAL -BUTT JOINT

24" STOP BAR, WHITE

6" WHITE, EDGE LINE

CLASS D PATCH TYPE II, 6"(10 SQ YD)

MELROSE AVE.

EDGE OF AGGREGATE SHOULDER

EDGE OF HMA SHOULDER

CLASS D PATCH TYPE III, 6"(20 SQ YD)

CLASS D PATCH TYPE IV, 6"(29 SQ YD)

6" WHITE, EDGE LINE

2-4" YELLOW CENTERLINE @ 11" C-C

CLASS D PATCH TYPE III, 6"(24 SQ YD)

MATCH LINE STATION 132+50

W. HAWTHORNE DRIVE

N

SCALE: HOR: 1"=20'

96 SY HMA SURFACE REMOVAL -BUTT JOINT

- 30 SF SIDEWALK REMOVAL
- 60 SF PCC SIDEWALK, 5"
- 8 SF DETECTABLE WARNING

EDGE OF AGGREGATE SHOULDER

EDGE OF HMA SHOULDER

6" WHITE, EDGE LINE

2-4" YELLOW CENTERLINE @ 11" C-C

6" WHITE, EDGE LINE

24" STOP BAR, WHITE (2)

112 SY HMA SURFACE REMOVAL -BUTT JOINT

4" YELLOW LINE

12"X45° DIAGONALS, YELLOW @20' C-C

MATCH LINE STATION 121+50

ROUND LAKE DR.

24" STOP BAR, WHITE

CLASS D PATCH TYPE IV, 6"(35 SQ YD)

24" STOP BAR, WHITE

CLASS D PATCH TYPE IV, 6"(50 SQ YD)

6" WHITE, EDGE LINE

5' DRIVEWAY PAVEMENT REMOVAL (TYP)

EDGE OF AGGREGATE SHOULDER

6" WHITE, EDGE LINE

CLASS D PATCH TYPE I, 6"(3 SQ YD)

2-4" YELLOW CENTERLINE @ 11" C-C

6SF BRICK DRIVEWAY REMOVAL AND REPLACEMENT

W. HAWTHORNE DRIVE

2-4" YELLOW CENTERLINE @ 11" C-C

58 SY HMA SURFACE REMOVAL -BUTT JOINT

EDGE OF HMA SHOULDER

24" STOP BAR, WHITE

CLASS D PATCH TYPE I, 6"(5 SQ YD)

CLASS D PATCH TYPE III, 6"(17 SQ YD)

N. HICKORY AVE.

24" STOP BAR, WHITE

45 SY HMA SURFACE REMOVAL -BUTT JOINT

2-4" YELLOW CENTERLINE @ 11" C-C

MATCH LINE STATION 127+00

N

SCALE: HOR: 1"=20'

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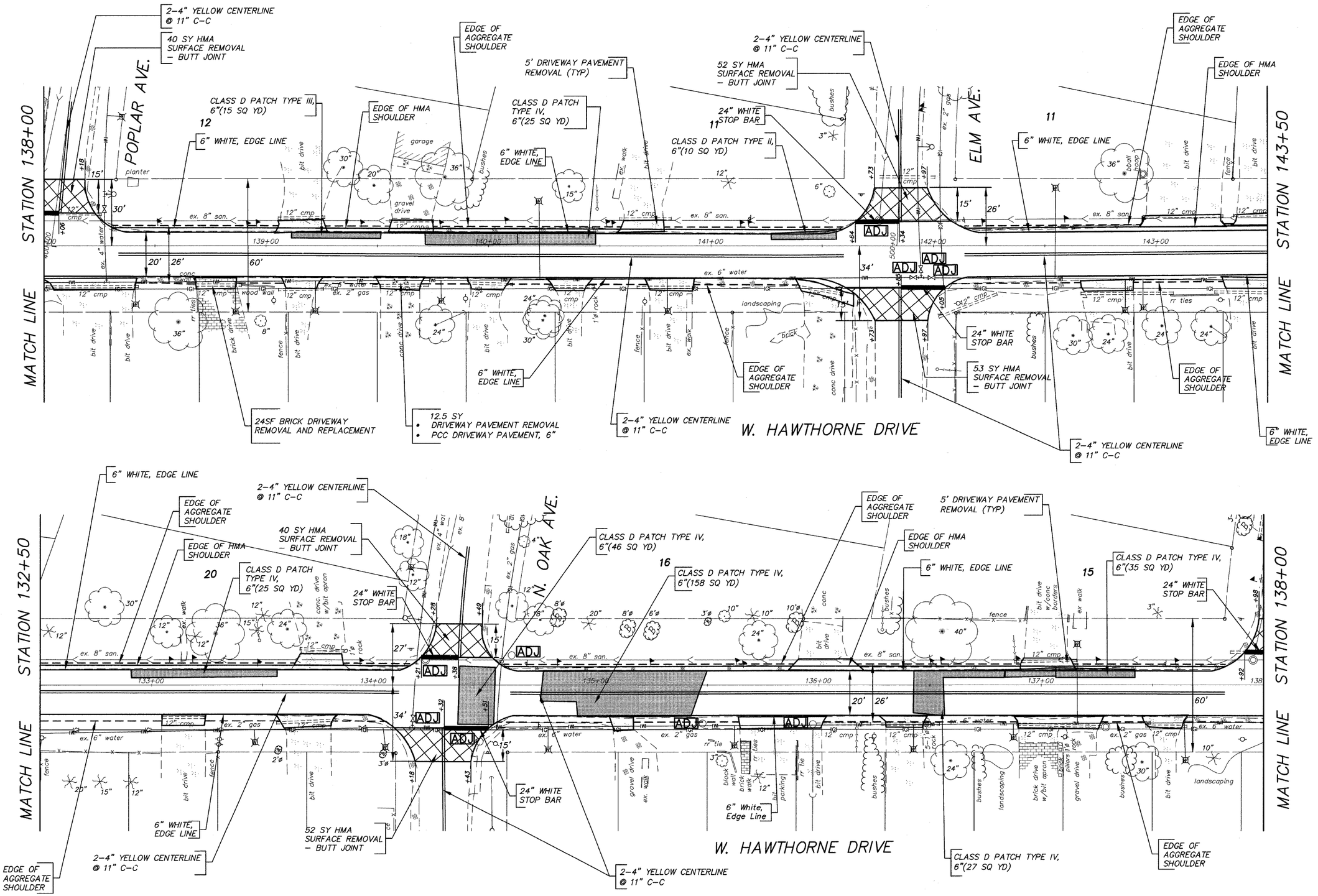
	FILE NAME =	DRAWN — EC	REVISED —
	PLOT SCALE =	CHECKED — RJD	REVISED —
	PLOT DATE =	DATE — 10/07/09	REVISED —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED PLAN
HAWTHORNE DRIVE RESURFACING

SCALE: 1"=20' | SHEET NO. 8 OF 14 SHEETS | STA. 121+50 TO STA. 132+50

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
184	09-00068-00-RS	LAKE	14	8
		CONTRACT NO. 63394		
		ILLINOIS FED. AID PROJECT		



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	PLOT DATE =	DATE — 10/07/09	REVISED —		SCALE: 1"=20' SHEET NO. 9 OF 14 SHEETS STA. 132+50 TO STA. 143+50			ILLINOIS	FED. AID PROJECT	

N

SCALE:
HOR: 1"=20'

STATION 143+50

MATCH LINE

10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 1

EDGE OF AGGREGATE SHOULDER

6" WHITE, EDGE LINE

EDGE OF HMA SHOULDER

80 FT COMBINATION CURB & GUTTER, TY B-6.12

CLASS SI CONCRETE (OUTLET)

2-4" YELLOW CENTERLINE @ 11" C-C

5' DRIVEWAY PAVEMENT REMOVAL (TYP)

96 SY HMA REMOVAL - BUTT JOINT

754 SY HMA SURFACE REMOVAL, 1 1/2"

CLASS D PATCH TYPE I, 6"(3 SQ YD)

END OF IMPROVEMENTS STATION 149+22

24" STOP BAR, WHITE

ROLLINS ROAD

W. HAWTHORNE DRIVE

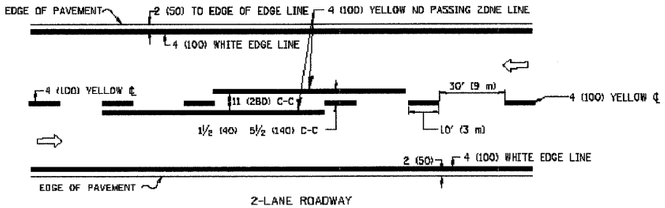
FILE NAME = 10259704.DWG	USER NAME =	DESIGNED — RJD	REVISED —
	FILE NAME =	DRAWN — EC	REVISED —
	PLOT SCALE =	CHECKED — RJD	REVISED —
	PLOT DATE =	DATE — 10/07/09	REVISED —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

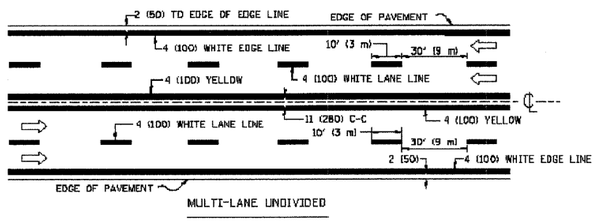
PROPOSED PLAN
HAWTHORNE DRIVE RESURFACING

SCALE: 1"=20' | SHEET NO. 10 OF 14 SHEETS | STA. 143+50 TO STA. 149+55

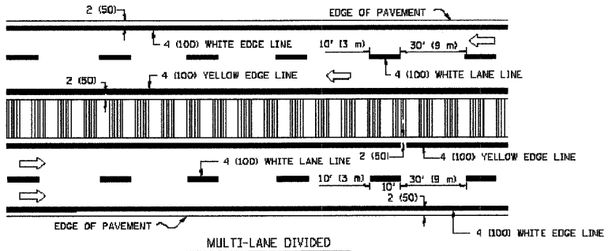
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
184	09-00068-00-RS	LAKE	14	10
		CONTRACT NO. 63394		
		ILLINOIS FED. AID PROJECT		



2-LANE ROADWAY



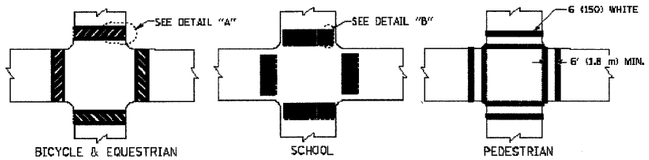
MULTI-LANE UNDIVIDED



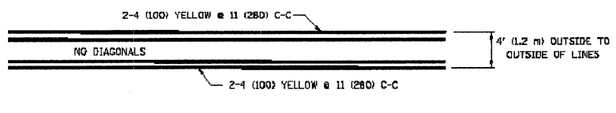
MULTI-LANE DIVIDED
WITH MOUNTABLE MEDIAN

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

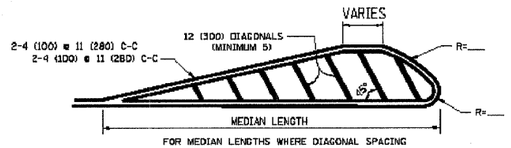
TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING



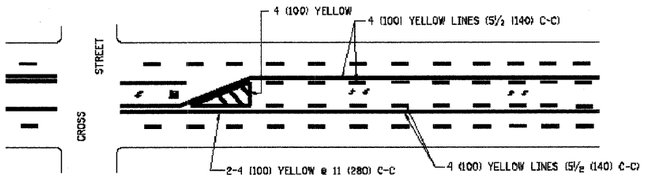
4' (1.2 m) WIDE MEDIANS ONLY



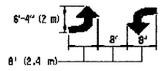
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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

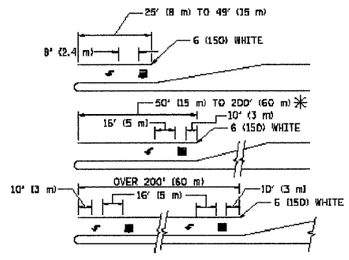


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

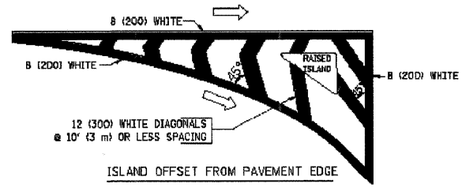


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
↰ AREA = 15.6 SQ. FT. (1.5 m²) ⬆ AREA = 20.8 SQ. FT. (1.9 m²)

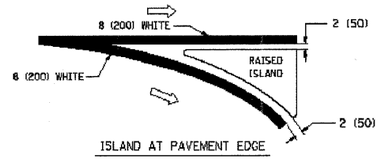
✳ TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

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	6½ (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 5' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF= "R"=3.6 SQ. FT. (0.33 m²) EACH "X"=54.0 SQ. FT. (5.0 m²)
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.

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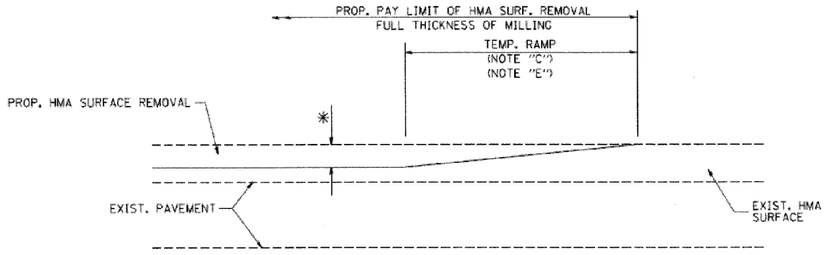
	PLOT SCALE =	CHECKED — RJD	REVISED —
	PLOT DATE =	DATE — 10/07/09	REVISED —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKING

SCALE: N.T.S. | SHEET NO. 11 OF 14 SHEETS

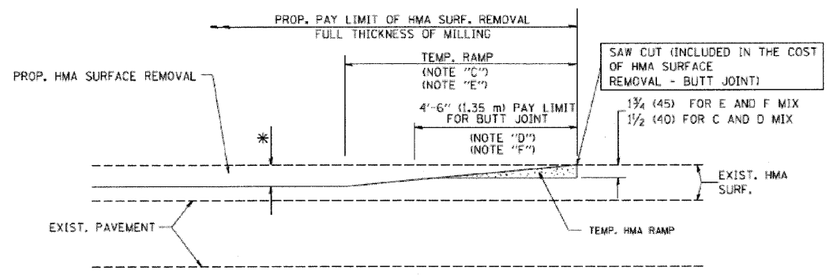
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
184	09-00068-00-RS	LAKE	14	11
		CONTRACT NO. 63394		
		ILLINOIS FED. AID PROJECT		



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

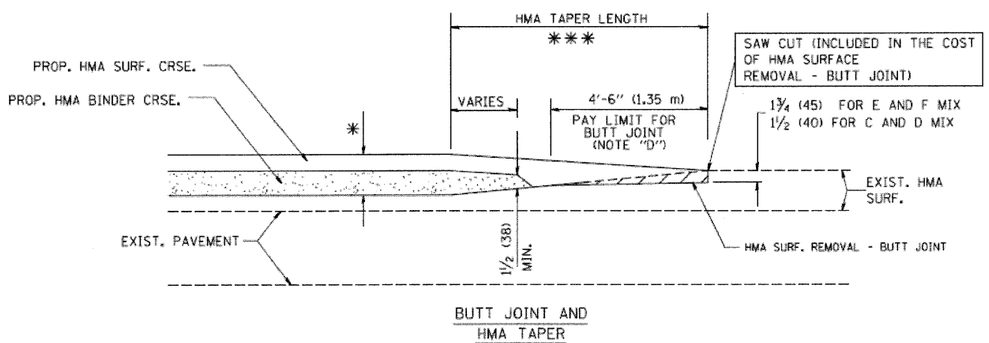


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

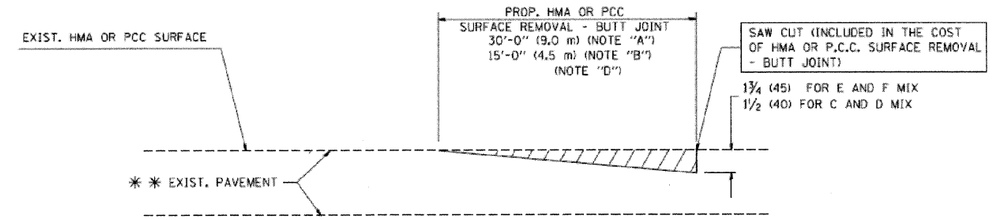
OPTION 2

TYPICAL TEMPORARY RAMP

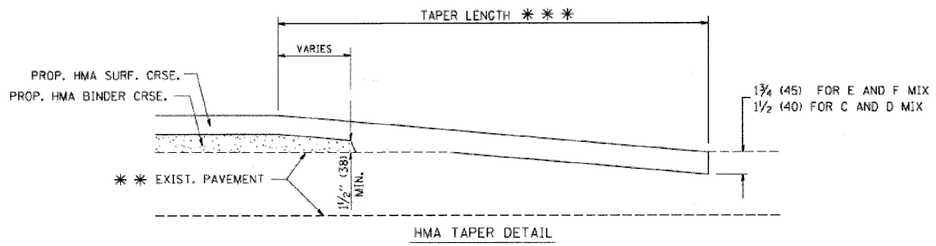


BUTT JOINT AND HMA TAPER

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.

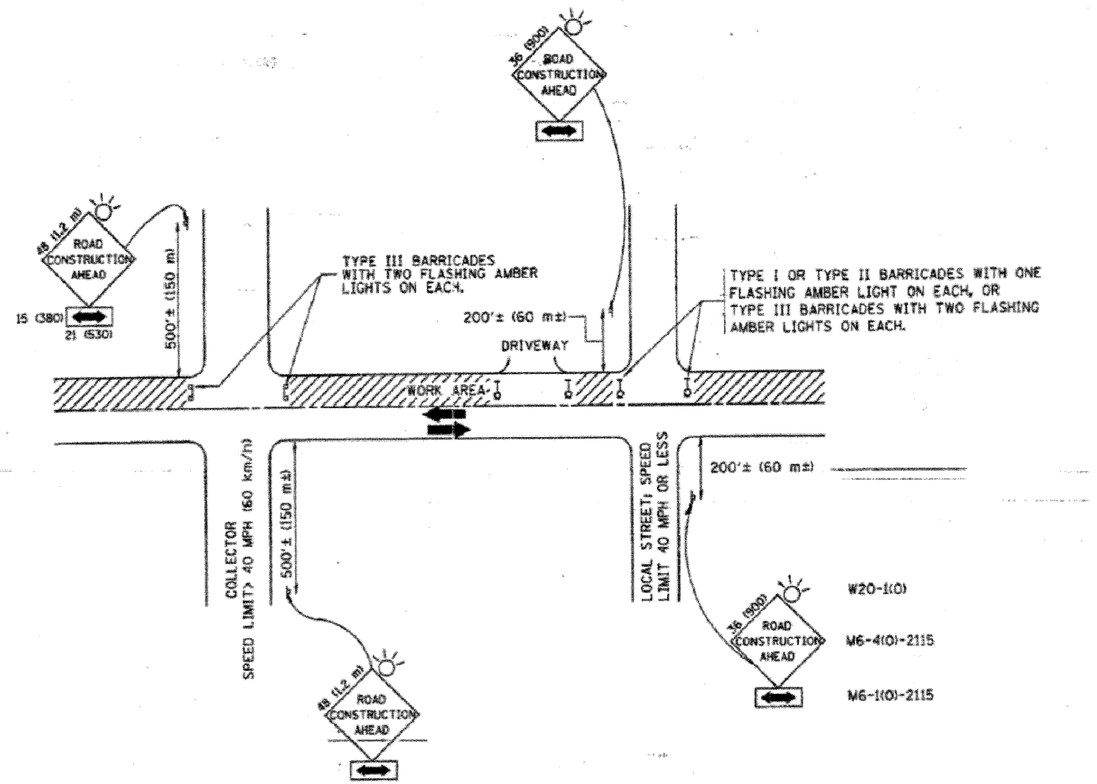
✱✱✱ 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

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

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".

FILE NAME = 10259702.DWG	USER NAME =	DESIGNED — RJD	REVISED —	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BUTT JOINT AND HMA TAPER DETAIL	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FILE NAME =	DRAWN — EC	REVISED —			184	09-00068-00-RS	LAKE	14	12
	PLOT SCALE =	CHECKED — RJD	REVISED —					CONTRACT NO. 63394		
	PLOT DATE =	DATE — 10/07/09	REVISED —		SCALE: N.T.S. SHEET NO. 12 OF 14 SHEETS			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.

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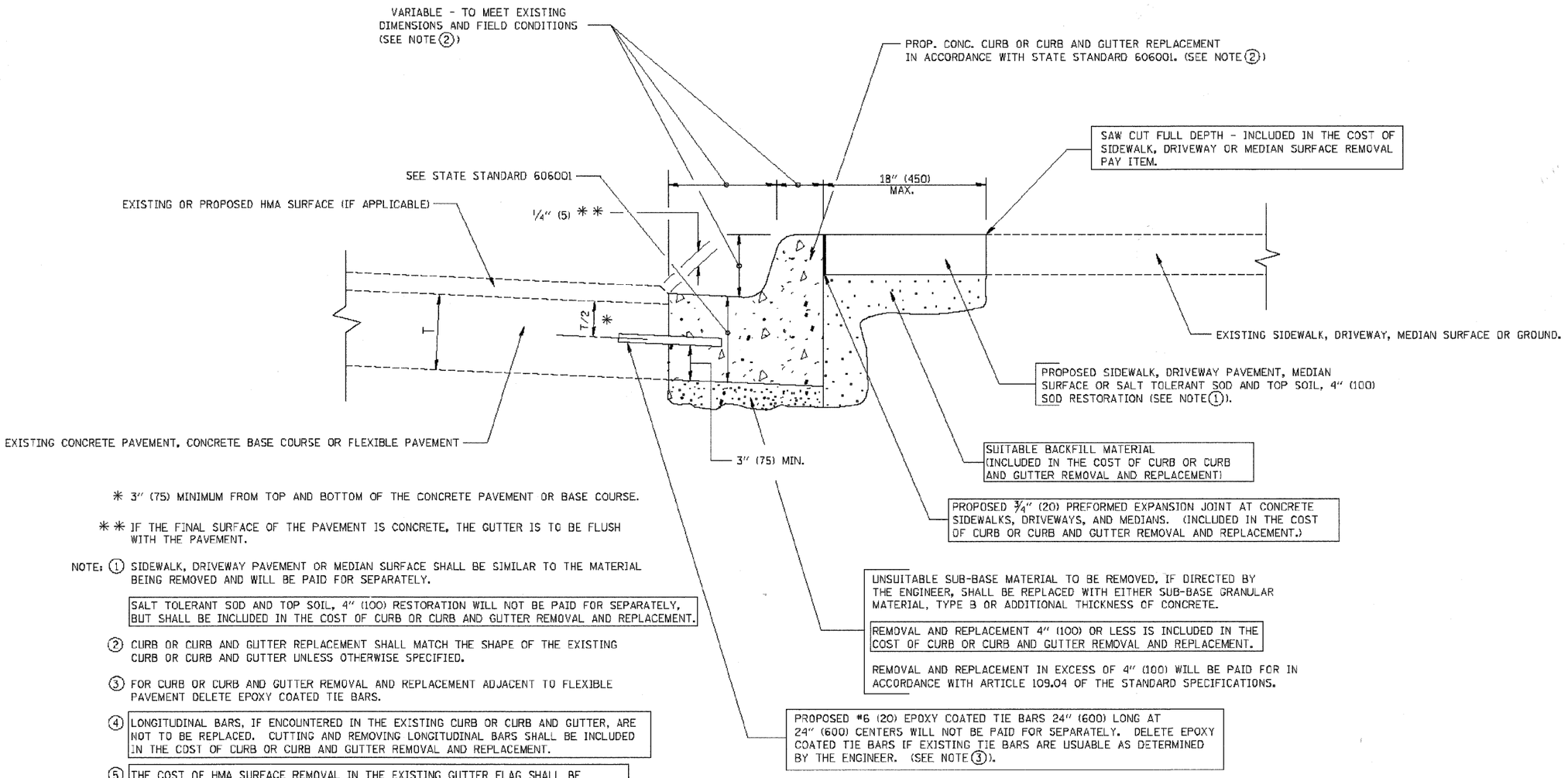
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS

SCALE: N.T.S. | SHEET NO. 13 OF 14 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
184	09-00068-00-RS	LAKE	14	13
		CONTRACT NO. 63394		
		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.

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

SCALE: N.T.S. | SHEET NO. 14 OF 14 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
184	09-00068-00-RS	LAKE	14	14
		CONTRACT NO. 63394		
		ILLINOIS FED. AID PROJECT		