INDEX OF SHEETS

- COVER SHEET, INDEX OF SHEETS, LIST OF STATE STANDARDS
- GENERAL NOTES & SUMMARY OF QUANTITIES
- TYPICAL SECTIONS
- 4.-5. PROPOSED CONDITIONS PLAN VIEW
- 6.-10. CONSTRUCTION DETAILS

STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** DIVISION OF HIGHWAYS

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

FAU 2953/ OLD BARRINGTON ROAD **CUBA ROAD TO IL ROUTE 22** SECTION: 09-00006-00-RS JOB NO. C-91-904-09 **PROJECT NO. ARA-9003(443)** VILLAGE OF NORTH BARRINGTON, ILLINOIS LAKE COUNTY



LENGTH OF PROJECT = 5227 FT (0.99 MI) ADT = 2250 VPD (2007)

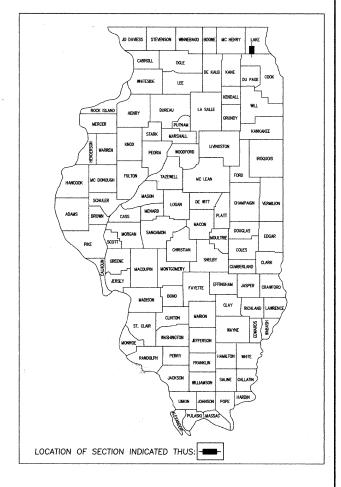
PROJECT INFORMATION

POSTED SPEED LIMIT = 25 MPH DESIGN SPEED LIMIT = 30 MPH ROAD CLASSIFICATION = URBAN COLLECTOR

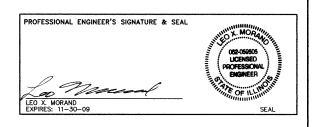
ASSOCIATES, INC.

850 Forest Edge Drive Vernon Hills, IL. 60061 Phone: 847-478-9700 Fax: 847-478-9701

SECTION 2953 09-00006-00-RS LAKE 10 1 CONTRACT NO. 63393

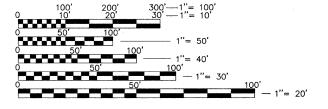


STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS	
APPROVED: <u>Ottober 14, 2019</u> 2009	
Kuthy Nelander - Williag Administration VILLAGE OF NORTH BARRINGTON	٤
PASSED: OCTOBEZ 200	
DISTRICT ONE ENGINEER OF LOCAL ROADS AND STREETS	_
RELEASING FOR BID BASED ON LIMITED REVIEW: OCTOBER 24, 2009	
Digue M. O Hughe DEPUTY DIRECTOR OF HIGHWAYS, REGION ONE ENGINEER	



PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

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 BELOW SCALES



J.U.L.I.E LOCATION INFORMATION FOR EXCAVATION



Know what's below. Call before you dig.

THE CONTRACTOR IS SOLELY RESPONSIBLE

FOR JOBSITE SAFETY.

EXISTING UTILITIES: WHEN THE PLANS OR SPECIAL PROVISIONS INCLUDE INFORMATION PERTAINING TO THE LOCATION OF UNDERGROUND UTILITY FACILITIES, SUCH INFORMATION REPRESENTS ONLY THE OPINION OF THE FEMILIES AND IS ONLY INICIUDED FOR THE CONVENIENCE OF THE BIDDER. THE ENGINEER AS TO THE LOCATION OF SUCH UTILITIES AND IS ONLY INICIUDED FOR THE CONVENIENCE OF THE BIDDER. THE ENGINEER AND OWNER ASSUME ON RESPONSIBILITY WHATEVER IN RESPECT TO THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN ON THE PLANS RELATIVE TO THE LOCATION OF THE PLANS RELATIVE TO THE LOCATION OF THE PLANS RELATIVE TO THE ACTUAL LOCATION OF ALL SUCH FACILITIES. HE SHALL ALSO OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES, DETAILED INFORMATION RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULES OF THE UTILITY COMPANIES, DETAILED INFORMATION THE UTILITY COMPANIES, DETAILED INFORMATION OF THEIR FACILITIES AND THE WORKING SCHEDULES OF THE UTILITY COMPANIES FOR REMOVING OR ADJUSTING THEM.

CONTRACTOR IS RESPONSIBLE FOR CONTACTING J.U.L.I.E. AT 1-800-892-0123 AND MUST ACQUIRE A DIG NUMBER A MINIMUM OF 72 HOURS PRIOR TO ANY WORK BEING DONE.

CONTRACT NO. 63393

3376 OLD BARRINGTON.DWG

GENERAL NOTES

A-1 THE ILLINOIS DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", LATEST EDITION, THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" LATEST EDITION, PROJECT SPECIFICATIONS, ALL APPLICABLE REQUIREMENTS OF THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY, MUNICIPALITY, ORDINANCES OF AUTHORITIES HAVING JURISDICTION AND ALL ADDENDA THERE SHALL GOVERN THIS WORK.

A-2 ALL REFERENCES TO "ENGINEER" SHALL BE INTERPRETED TO MEAN THE RESIDENT ENGINEER.

A-3 NO CONSTRUCTION PLANS SHALL BE USED FOR CONSTRUCTION UNLESS SPECIFICALLY MARKED 'FOR CONSTRUCTION'. PRIOR TO COMMENCEMENT OF CONSTRUCTION, THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS, AND CONDITIONS AFFECTING THEIR WORK WITH THE ACTUAL CONDITIONS AT THE JOB SITE. IN ADDITION, THE CONTRACTOR MUST VERIFY THE ENGINEERS' LINE AND GRADES. IF THERE ARE ANY DISCREPANCIES FROM WHAT IS SHOWN ON THE CONSTRUCTION PLANS, STANDARD SPECIFICATIONS AND/OR SPECIAL DETAILS, THE CONTRACTOR SHALL SECURE WRITTEN INSTRUCTION FROM THE ENGINEER PRIOR TO PROCEEDING WITH ANY PART OF THE WORK AFFECTED BY OMISSION OR DISCREPANCIES. FAILING TO SECURE SUCH INSTRUCTION, THE CONTRACTOR WILL BE CONSIDERED TO HAVE PROCEEDED AT HIS OWN RISK AND EXPENSE. IN THE VENT OF ANY DOUBT OR QUESTION ARISING WITH RESPECT TO THE TRUE MEANING OF THE CONSTRUCTION PLANS OR SPECIFICATIONS, THE DECISION OF THE ENGINEER SHALL BE FINAL AND CONCLUSIVE.

A-4 IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS PRIOR TO BIDDING ON THE

A-5 EASEMENTS FOR THE EXISTING UTILITIES, BOTH PUBLIC AND PRIVATE, AND UTILITIES WITHIN PUBLIC RIGHTS-OF-WAY ARE SHOWN ON THE PLANS ACCORDING TO AVAILABLE RECORDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT LOCATION IN THE FIELD OF THESE UTILITY LINES AND THEIR PROTECTION FROM DAMAGE DUE TO CONSTRUCTION OF PERATIONS. IF EXISTING UTILITY LINES OF ANY NATURE ARE ENCOUNTERED WHICH CONFLICT IN LOCATION WITH NEW CONSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER SO THAT THE CONFLICT MAY BE RESOLVED.

A-6 SAW CUTTING OF PAVEMENTS, SIDEWALK, ETC. SHALL BE TO FULL DEPTH AND SHALL RESULT IN A CLEAN STRAIGHT EDGE ON THE PORTION REMAINING. ALL SAW CUTTING SHALL BE CONSIDERED INCLUDED IN THE COST OF

A-7 THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS. PROPERTY CORNERS, AND REFERENCE MARKERS UNTIL THE OWNER, HIS AGENT, OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.

A-8 OFFSET LOCATIONS GIVEN IN THE PLANS FOR STRUCTURES, EDGE OF PAVEMENT, ETC. ARE FROM THE

A-9 HOT-MIX ASPHALT SURFACE REMOVAL BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT). IN ACCORDANCE WITH THE BUTT JOINT AND HOT-MIX ASPHALT TAPER DETAILS SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.

A-10 QUANTITIES FOR PATCHING SHALL NOT EXCEED THOSE PROVIDED IN THE SUMMARY OF QUANTITIES UNLESS APPROVED BY THE ENGINEER. THE ENGINEER WILL IDENTIFY FINAL PATCH LOCATIONS IN THE FIELD.

WHENEVER, DURING CONSTRUCTION OPERATIONS, ANY LOOSE MATERIAL IS DEPOSTIED IN THE FLOW LINE GUTTERS, DRAINAGE STRUCTURES, DITCHES, ETC. SUCH THAT THE NATURAL FLOW LINE OF WATER IS OBSTRUCTED, THE LOOSE MATERIAL WILL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATION, ALL DRAINAGE STRUCTURES AND FLOW LINES SHALL BE FREE FROM DIRT AND DEBRIS. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. THE CONTRACTOR'S FAILURE TO PROVIDE THE ABOVE WILL PRECLUDE ANY POSSIBLE ADDED COMPENSATION REQUESTED DUE TO DELAYS OR UNSUITABLE MATERIALS CREATED AS A RESULT THEREOF.

STORM SEWERS, WATER MAINS, AND UTILITIES

B-1 EXISTING UTILITIES: WHEN THE PLANS OR SPECIAL PROVISIONS INCLUDE INFORMATION PERTAINING TO THE LOCATION OF UNDERGROUND UTILITY FACILITIES, SUCH INFORMATION REPRESENTS ONLY THE OPINION OF THE ENGINEER AS TO THE LOCATION OF SUCH UTILITIES AND IS ONLY INCLUDED FOR THE CONVENIENCE OF THE CONTRACTOR. THE ENGINEER AND OWNER ASSUME NO RESPONSIBILITY WHATSOEVER IN RESPECT TO THE SUFFICIENCY OR ACCURACY OF THE INFORMATION SHOWN ON THE PLANS RELATIVE TO THE LOCATION OF UNDERGROUND UTILITY FACILITIES OR THE MANNER IN WHICH THEY ARE TO BE REMOVED OR ADJUSTED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE ACTUAL LOCATION OF ALL SUCH FACILITIES. THIS WORK SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PROCESS OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. HE SHALL ALSO OBTAIN FROM THE RESPECTIVE UTILITY COMPANIES DETAILED INFORMATION RELATIVE TO THE LOCATION OF THEIR FACILITIES AND THE WORKING SCHEDULES OF THE UTILITY COMPANIES FOR REMOVING OR ADJUSTING THEM.

B-2 THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING JULIE AS WELL AS LOCAL CABLE TV COMPANIES AND THE VILLAGE. THE FACILITIES SHALL BE LOCATED PRIOR TO ANY WORK WITHIN ANY EASEMENT, R.C.W, OR SUSPECTED UTILITY LOCATION.

B-3 THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND AND SURFACE UTILITIES EVEN THROUGH THEY MIGHT NOT BE SHOWN ON THE PLANS. ANY UTILITY PROPERTY DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFICATION OF THE OWNER AT THE CONTRACTOR'S

B-4 ALL UTILITY COMPANIES SHALL BE NOTIFIED AT LEAST 3 DAYS PRIOR TO THE START OF CONSTRUCTION.

B-5 THE CONTRACTOR SHALL ENSURE THAT ALL WATER SYSTEM VALVE VALUETS, AND SANITARY SEWER MANHOLES REMIAN READILY ACCESSIBLE TO THE VILLAGE FOR EMERGENCY OPERATIONS. THE LOCATIONS OF ALL WATER AND SANITARY FACILITIES SHALL BE MARKED AND READILY VISABLE AT ALL TIMES.

SIGNING AND STRIPING

C-1 SEE IDOT STANDARD DETAIL 780001, DISTRICT ONE DETAIL TC-13, AND REFERENCE PLAN SHEETS.

TRAFFIC CONTROL

D-1 SEE TRAFFIC CONTROL HIGHWAY STANDARDS CONCERNING TRAFFIC CONTROL AND PROTECTION.

MATERIALS RESULTING FROM THE REMOVAL OF ASPHALT SURFACES, UTILITY ADJUSTMENTS, RESTORATION WORK, ETC. SHALL BE REMOVED AT THE END OF EACH DAY TO AN APPROVED SITE. IN THE JUDGEMENT OF THE CITY, SHOULD IT BE NECESSARY TO REMOVE SUCH MATERIALS, THE CITY WILL HAVE THE MATERIAL REMOVED AND THE CONTRACTOR SHALL BE BILLED (CHARGED) ACCORDINGLY.

WALER SUPPLY
THE INDISCRIMINATE USE OF FIRE HYDRANTS, EXISTING STREAMS, CREEKS, WETLANDS OR PONDS IS STRICTLY
PROHIBITED. THE CONTRACTOR SHALL PROVIDE A WATER TRUCK AND DRIVER AS REQUIRED TO OBTAIN AND
TRANSPORT THIS WATER. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING WATER FROM AN APPROVED
SOURCE OTHER THAN HIS YARD, WRITTEN APPROVAL FROM THE AGENCY HAVING JURISDICTION FOR THE SOURCE. IF
THE WATER IS FROM A SOURCE OTHER THAN HIS YARD, WRITTEN APPROVAL FROM THE AGENCY HAVING JURISDICTION FOR THE SOURCE OF THE WATER MUST BE RECEIVED BY THE CONTRACTOR PRIOR TO USE OF THE

DRIVEWAY CLOSING
IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY RESIDENTS AND THE VILLAGE WHEN ACCESS TO THEIR
DRIVEWAYS WILL BE TEMPORARILY CLOSED DUE TO SIDEWALK REPLACEMENT, AND/OR DRIVEWAY REPLACEMENT. AT
LOCATIONS WHERE THE DRIVEWAY IS SCHEDULED TO BE REMOVED, THE CONTRACTOR SHALL CONTACT THE
BUSINESS/HOMEOWNER 24 HOURS PRIOR TO REMOVING THE CURB, SIDEWALK, OR DRIVE APPROACH. EVERY EFFORT
SHALL BE MADE TO ACCOMODATE ACCESS TO THESE PROPERTIES. THE CONTRACTOR SHALL NOT BE ALLOWED TO
CLOSE A DRIVEWAY FOR MORE THAN 8 HOURS UNDER ANY CIRCUMSTANCE. THE CONTRACTOR SHALL BE
RESPONSIBLE FOR MAINTAINING THE BARRICADES TO PREVENT TRAFFIC FROM USING THE DRIVEWAYS DURING THIS
DEPLOY.

STREET SWEEPING AND PREPARATION
THE CONTRACTOR SHALL BE RESPONSIBLE FOR SWEEPING AND CLEANING STREETS OF ANY DEBRIS AND MATERIAL
THAT HAS ACCUMULATED AS A RESULT OF THE CONSTRUCTION ACTIVITY. A MECHANICAL SWEEPER, MECHANICALLY
DRIVEN AIR AND HANDWORK WITH SHOVEL AND BROOM SHALL BE UTILIZED TO PROVIDE A CLEAN STREET FOR THE
MOTORING PUBLIC. WITHIN 24 HOURS OF PLACING PRIME COAT AND THE LAYING OF HMA, THE CONTRACTOR SHALL
SWEEP THE PAVEMENT AND REMOVE STANDING WATER, EARTH, WEEDS, LEAVES, DIRT, CONSTRUCTION DEBRIS AND ALL LOOSE MATERIAL.

OLD BARRINGTON ROAD

RESURFACING PROGRAM

HIGHWAY STANDARDS:

000001-05 STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
442201-03 CLASS C AND D PATCHES
701301-03 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS-DAY ONLY
701901-05 URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
719001-01 TAFFIC CONTROL DEVICES
780001-02 TYPICAL PAVEMENT MARKINGS

SUMMARY OF QUANTITIES

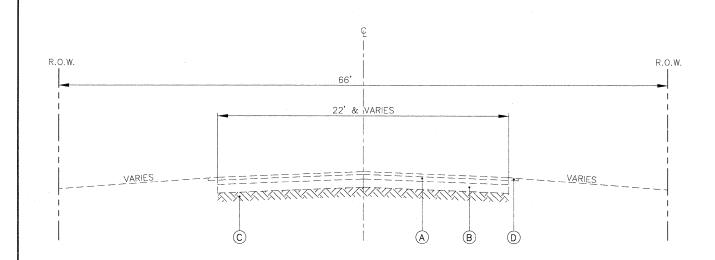
				ROADWAY
				10070 FEDERAL
ITEM	PAYCODE	DESCRIPTION	UNIT	1000
1.	20101700	SUPPLEMENTAL WATERING	UNIT	125
2.	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	13
3.	21101600	TOPSOIL FURNISH AND PLACE, VARIABLE DEPTH	SQ YD	1180
4.	25000110	SEEDING, CLASS 1A	ACRE	0.25
5.	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	25
6.	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	25
7.	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	25
8.	25100630	EROSION CONTROL BLANKET	SQ YD	1200
9.	31101000	SUB-BASE GRANULAR MATERIAL, TYPE B	TON	54
10.	40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	15
11.	40300100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	1377
12.		AGGREGATE (PRIME COAT)	TON	55
13.		LEVELING BINDER (MACHINE METHOD), N50	TON	1032
14.	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	517
15.	40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	1652
16.	42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	80
17.		DRIVEWAY PAVEMENT REMOVAL	SQ YD	603
18.	44201713	CLASS D PATCHES, TYPE I, 6 INCH	SQ YD	2
19.	A	CLASS D PATCHES, TYPE II, 6 INCH	SO YD	20
20.		CLASS D PATCHES, TYPE III, 6 INCH	SQ YD	45
21.	44201723	CLASS D PATCHES, TYPE IV. 6 INCH	SQ YD	325
22.	44300100	AREA REFLECTIVE CRACK CONTROL TREATMENT	SQ YD	13162
23.		AGGREGATE WEDGE SHOULDER, TYPE B	TON	690
24.		MOBILIZATION	L SUM	1
25.		TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1
26.	i	SHORT-TERM PAVEMENT MARKING	FOOT	1090
27.		WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	182
28.		THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	20912
29.		THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	24
30.		TEMPORARY INFORMATION SIGNAGE	SO FT	52

* DENOTES SPECIALITY ITEM

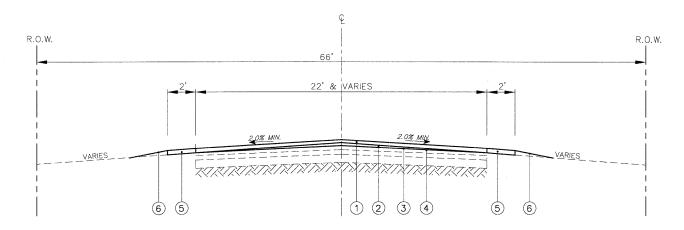
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3376 OLD BARRINGTON.DWG		DRAWN - BVS	REVISED - 10/22/09
	PLOT SCALE = N.T.S.	CHECKED - PJG	
	PLOT DATE = 8/3/09	DATE - 8/3/09	

GEN	ERAL	NOTES	AND	SUMM	IARY	OF (IITITMAUG
SCALE:	NONE	SHEET NO.	2 OF	10 SHEETS	STA.		TO STA.

ES	F.A.U. RTE.	SECTION	COUNTY	SHEETS	SHEE		
ES	2953	09-00006-00-RS		LAKE	10	2	
				CONTRACT	NO. 63	3393	
		ILLINOIS F	ED. A	D PROJECT			



EXISTING TYPICAL CROSS SECTION
OLD BARRINGTON ROAD (FAU ROUTE 2953)
STA. 0+47 (CUBA ROAD) TO STA. 52+74 (IL ROUTE 22)



PROPOSED TYPICAL CROSS SECTION OLD BARRINGTON ROAD (FAU ROUTE 2953) STA. 0+47 (CUBA ROAD) TO STA. 52+74 (IL ROUTE 22)

NOTES:

- DRIVEWAY PAVEMENT SHALL BE REMOVED AND REPLACEED AS MARKED BY THE ENGINEER.
- -LIMITS OF REMOVAL SHALL NOT EXTEND PAST THE PUBLIC RIGHT-OF-WAY.
- —THE INTENTION OF DRIVEWAY REMOVAL AND REPLACEMENT IS TO TRANSITION FROM PROPOSED ROAD PAVEMENT ELEVATION TO EXISTING DRIVEWAY PAVEMENT ELEVATION.
- HMA SURFACE REMOVAL, BUTT JOINTS $\,$ AND ROADWAY BUTT JOINTS SHALL CONSIST OF COLD MILLING BUTT JOINTS AS MARKED BY THE ENGINEER.
- CLASS D PAVEMENT PATCHES, 6". INCLUDE REMOVAL OF SURFACE COURSE, BINDER COURSE AND/OR SUBBASE TO A TOTAL DEPTH OF 6" AS MARKED BY THE ENGINEER. REPLACEMENT MATERIAL SHALL BE HOT-MIX ASPHALT BINDER AND SHALL BE PREPARED TO ACCEPT THE LEVELING BINDER COURSE.
- HOT-MIX ASPHALT LEVELING BINDER COURSE, N50, SHALL BE PLACED AT A $^{\circ}$ THICKNESS OF 1.25 $^{\circ}$ AS DIRECTED BY THE ENGINEER.
- AREA REFLECTIVE CRACK CONTROL, SYSTEM A, SHALL BE PLACED PRIOR TO THE PLACEMENT OF THE FINAL SURFACE COURSE.
- HOT-MIX ASPHALT SURFACE COURSE, MIX C, N50, SHALL BE PLACED AT A THICKNESS OF $2^{\prime\prime}$ AS DIRECTED BY ENGINEER.

FILE NAME = DESIGNED - BVS REVISED - 10/16/09 3376 OLD BARRINGTON.DWG PLOT SCALE = N.T.S. CHECKED - DJG PLOT DATE = 8/3/09 DATE - 8/3/09

OLD BARRINGTON ROAD RESURFACING PROGRAM

TYPICAL SECTIONS F.A.U. RTE. SECTION SECTION COUNTY SHEETS NO. 2953 O9-000061-00-RS LAKE NO. 3 IO STA. SHEET NO. 3 OF 10 SHEETS STA. TO STA. ILLINOIS FED. AID PROJECT NO. 63393

AIR VOIDS @ NDE

4% @ 50 Gyr.

4% @ 50 Gyr.

4% @ 50 Gyr.

4% @ 70 Gyr.

EXISTING LEGEND

- (A) EXISTING HMA PAVEMENT, 5" & VARIES
- (B) EXISTING AGGREGATE SUBBASE, 8" TO 12" & VARIES
- © EXISTING SUBGRADE
- (D) EXISTING AGGREGATE SHOULDER

PROPOSED LEGEND

- 1 HOT-MIX ASPHALT SURFACE COURSE, MIX 'C', N50, 2"
- 2 LEVELING BINDER (MACHINE METHOD), N50, 1 1/4"
- (3) BITUMINOUS MATERIALS (PRIME COAT) AND AGGREGATE (PRIME COAT)
- 4 AREA REFLECTIVE CRACK CONTROL TREATMENT

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

Note: 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

5) 2" AGGREGATE SHOULDER, TO BE REPAIRED AS NEEDED

HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (IL 9.5 mm)

HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (IL 9.5 mm); 3"

Note: The unit weight used to calculate all HMA Mixture Quantities is 112Lbs/SqYd/in

LEVELING BINDER (MACHINE METHOD), IL 9.5 mm, N50

"PERCENT OF RAP" see District One Special Provisions.

CLASS D PATCHES (HMA BINDER IL-19 mm)

6 RESTORATION

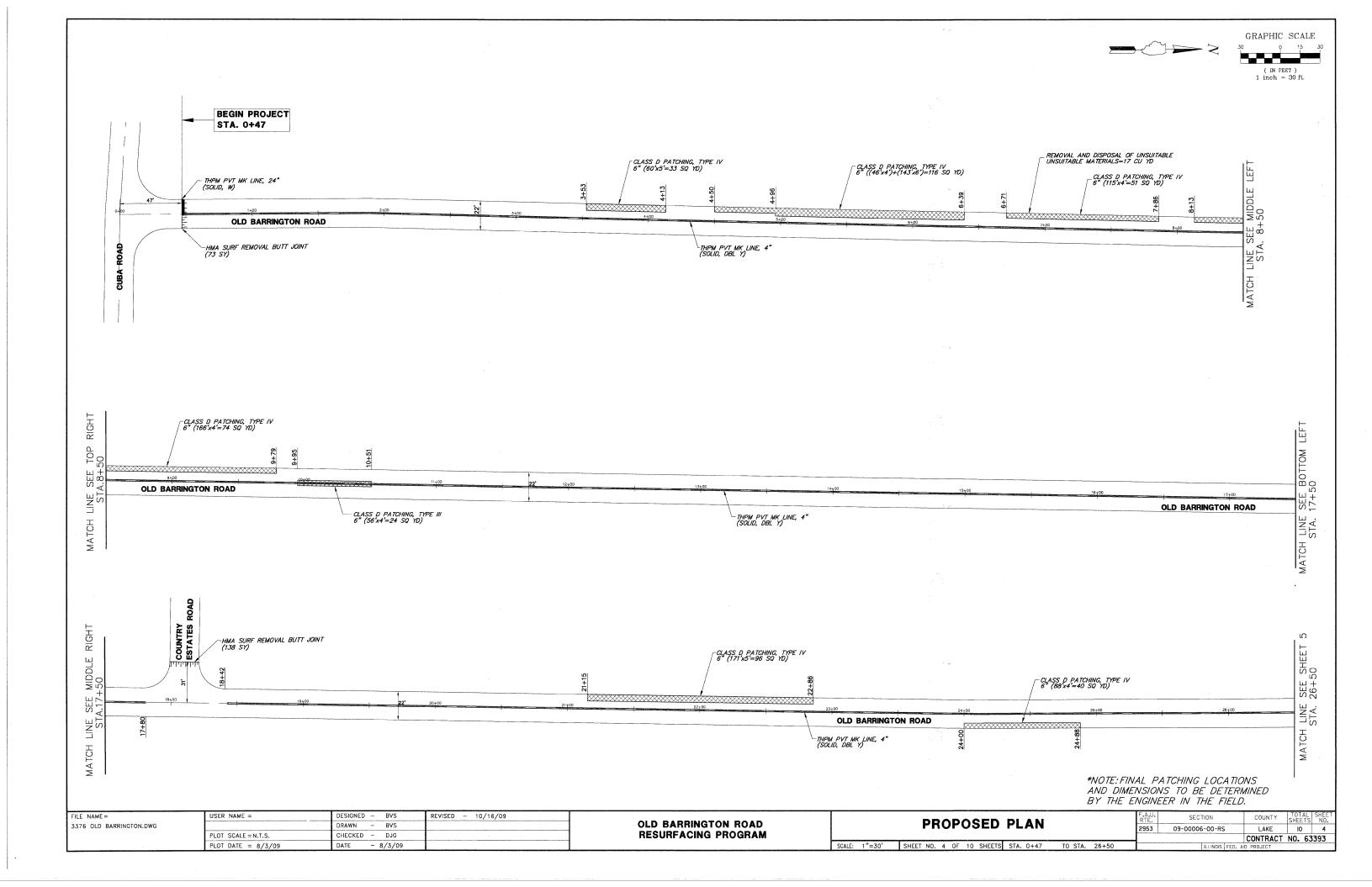
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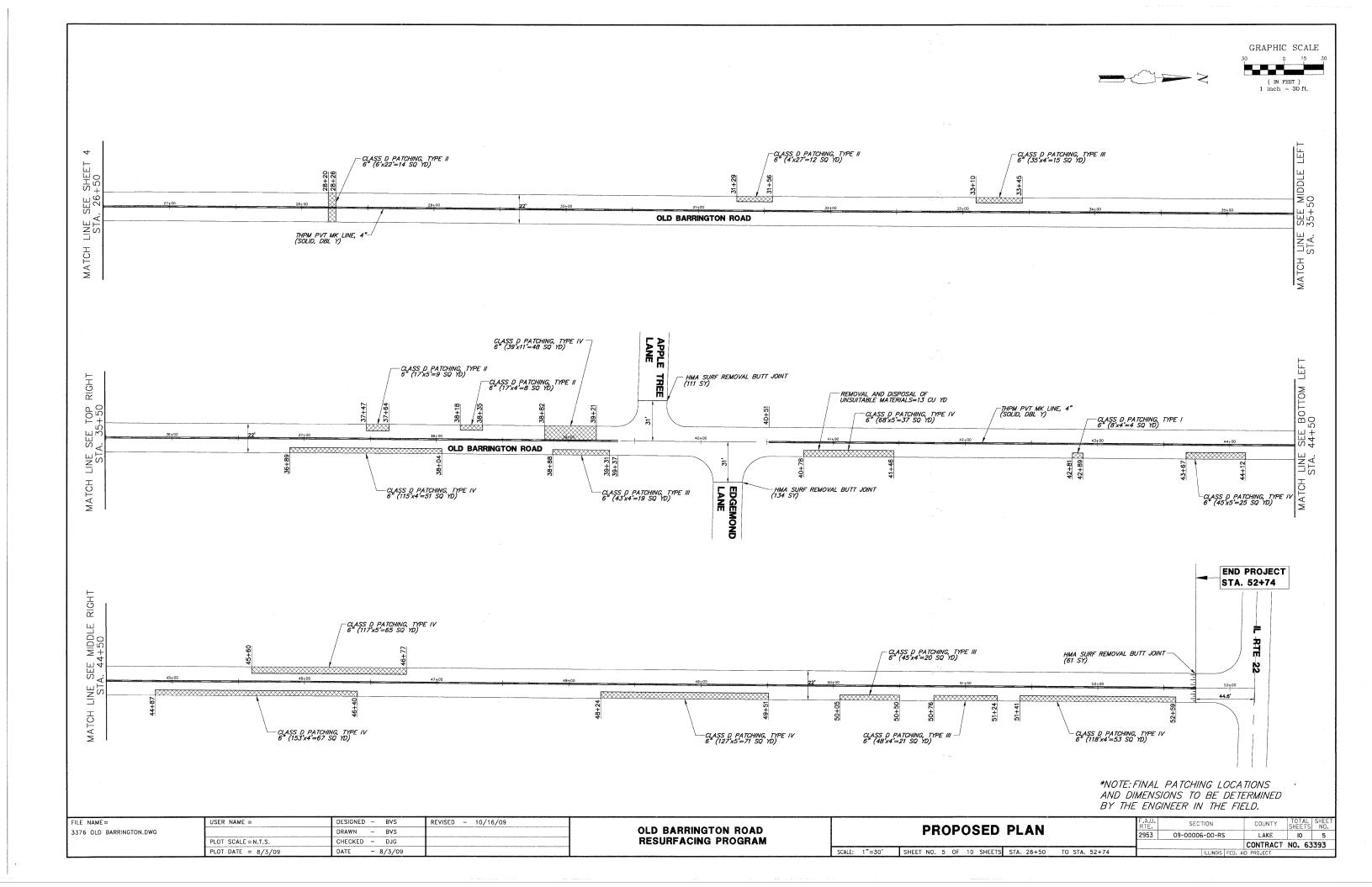
DRIVEWAYS

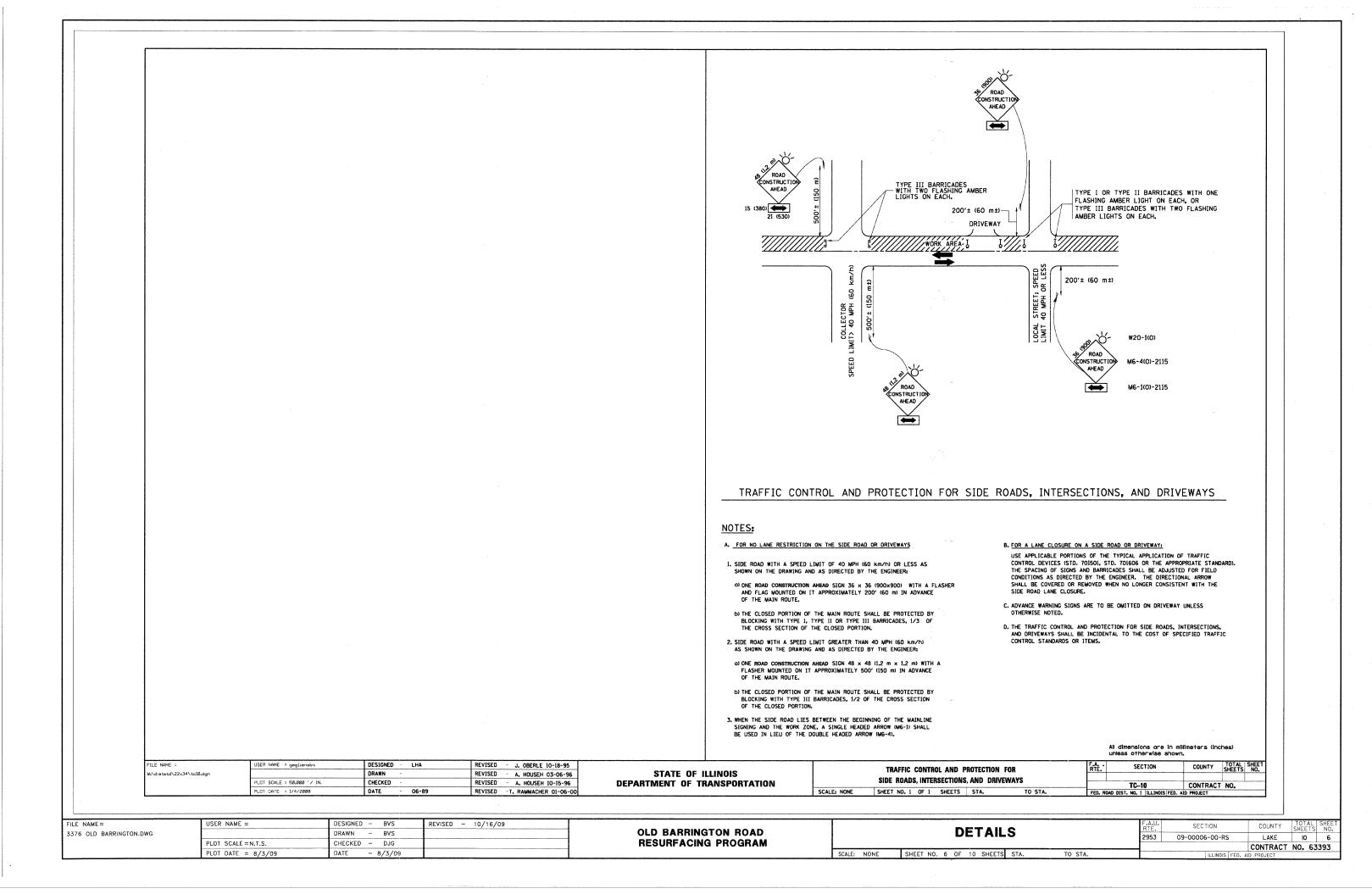
PATCHING

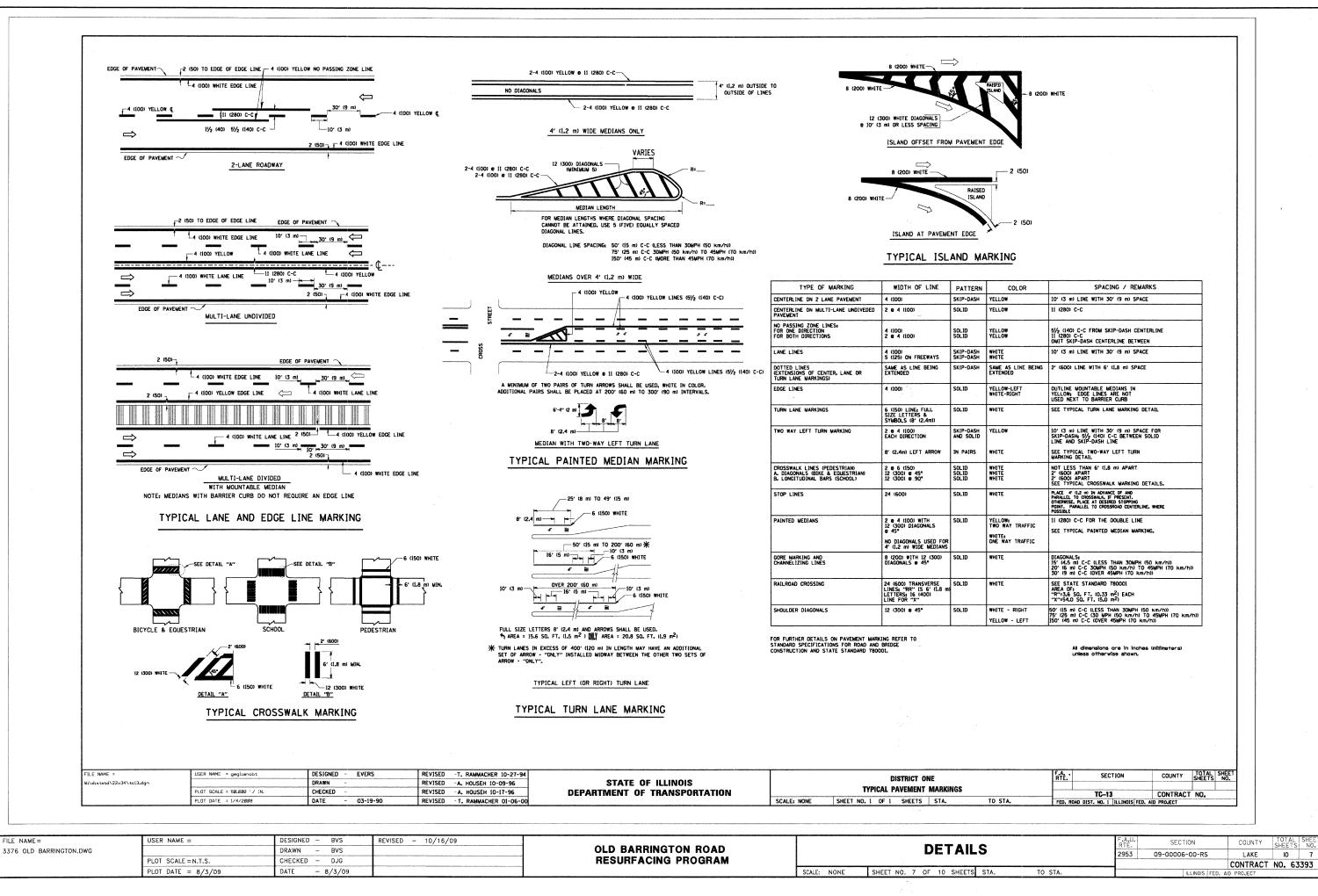
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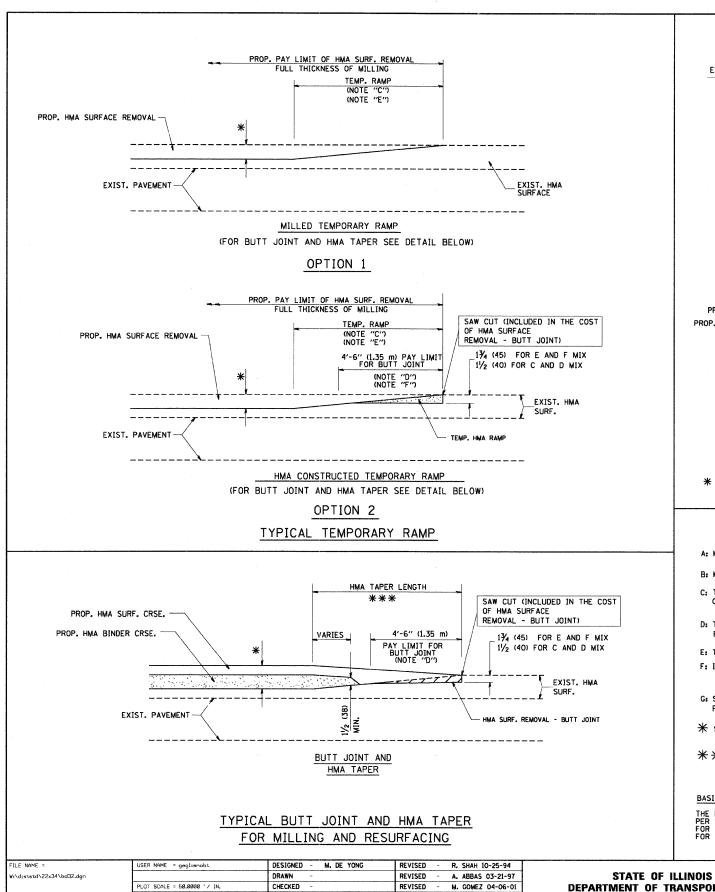
PAVEMENT RESURFACING

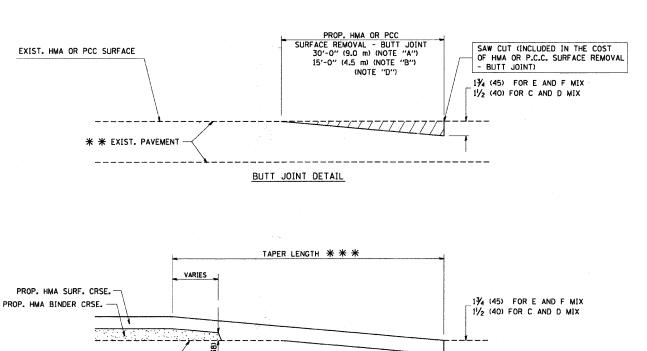












TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

BUTT JOINT AND

HMA TAPER DETAIL

 $***$ PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

* * EXIST. PAVEMENT

- 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'-O" (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 SOUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL- BUTT JOINT".

SCALE: NONE

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

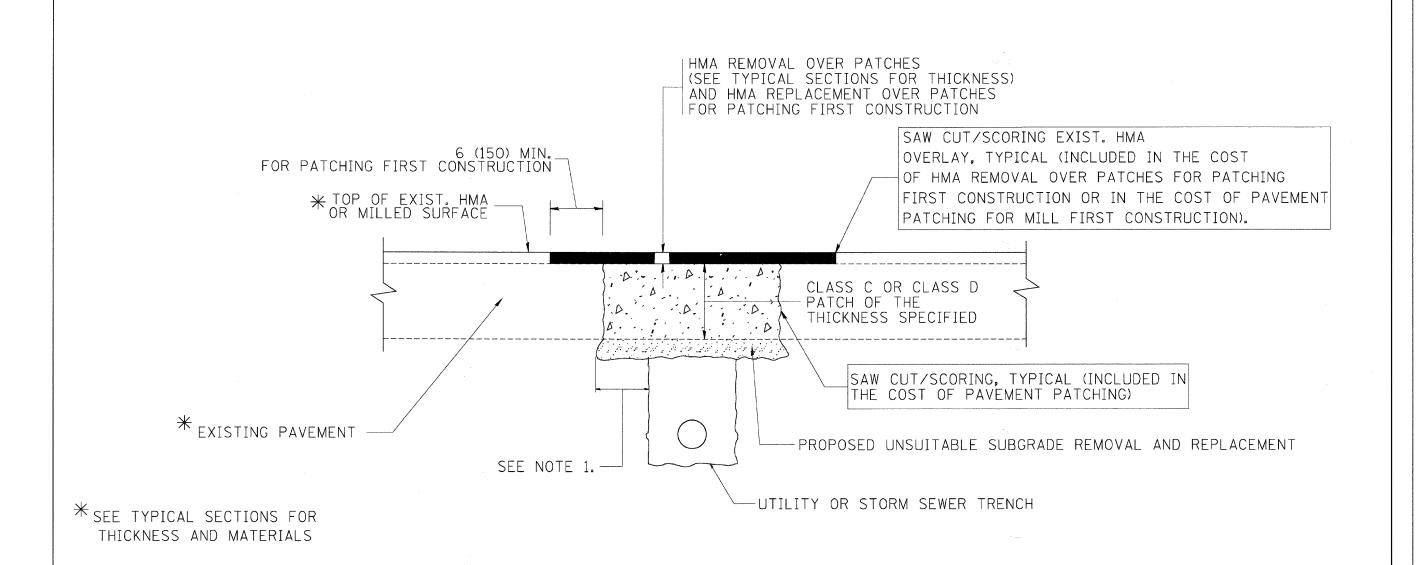
COUNTY TOTAL SHEE'SHEETS NO. SECTION CONTRACT NO.

HMA TAPER DETAILS **DEPARTMENT OF TRANSPORTATION** REVISED - R. BORO 01-01-07 SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

ILE NAME=	USER NAME =	DESIGNED - BVS	REVISED - 10/16/09	_
3376 OLD BARRINGTON.DWG		DRAWN - BVS		
	PLOT SCALE = N.T.S.	CHECKED - DJG		
	DIOT DATE - 9/7/00	DATE - 9/7/00		

OLD	BARRINGT	ON ROAD
RES	URFACING	PROGRAM

DETAILS					F.A.U. RTE.	SECTION	COUNTY	TOTAL	SHEET NO.			
DE I AILS		2953	09-00006-00-RS	LAKE	10	8						
										CONTRACT	NO. 63	393
	SHEET NO	n 8	OF	10	SHEETS	STA	TO STA	HUNDE EED AD BOOLEGE				



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.

FILE NAME =	USER NAME = bouerdl	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98		PAVEMENT PATCHING FOR	F.A. SECTION	COUNTY TOTAL SHEET
c:\projects\distatd22x34\bd22.dgn		DRAWN -	REVISED - R. BORO 01-01-07	-07 STATE OF ILLINOIS		NILE	SILE (3 NO.
	PLOT SCALE = 50.000 '/ IN.	CHECKED -	REVISED - R. BORO 09-04-07	DEPARTMENT OF TRANSPORTATION	HMA SURFACED PAVEMENT	BD400-04 (BD-22)	CONTRACT NO.
	PLOT DATE = 10/27/2008	DATE - 10-25-94	REVISED - K. ENG 10-27-08		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. A	ID PROJECT

FILE NAME =	USER NAME =	DESIGNED - BVS	REVISED - 10/16/09	OLD BARRINGTON ROAD	DETAILS				SECTION	COUNTY	TOTAL SHEET SHEETS NO.		
3376 OLD BARRINGTON.DWG	PLOT SCALE = N.T.S.	DRAWN - BVS CHECKED - DJG		RESURFACING PROGRAM	DETAILS		2953	09-00006-00-RS	LAKE CONTRACT I	10 9 NO 63393			
	PLOT DATE = 8/3/09	DATE - 8/3/09			SCALE: NONE SHEET NO. 9 OF 10 SHEETS STA. TO STA.			SCALE: NONE SHEET NO. 9 OF 10 SHEETS STA. TO STA.			ILLINOIS FED. A	ID PROJECT	1101 00000

