

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00060-RS	MCHENRY	13	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 63140		

INDEX OF SHEETS

- 1 COVER SHEET INDEX OF SHEETS, LIST OF STATE STANDARDS
- 2 GENERAL NOTES & SUMMARY OF QUANTITIES
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- 5-6 ROADWAY PLAN - AYER STREET
- 7 ROADWAY PLAN - MARENGO ROAD
- 8 ROADWAY PLAN - MCKINLEY STREET
- 9-13 CONSTRUCTION DETAILS

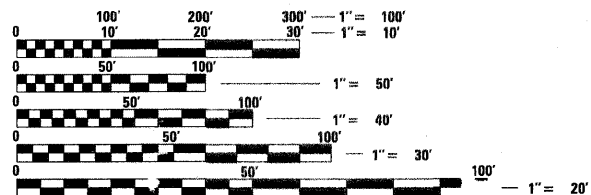
LIST OF STATE STANDARDS

- 442201-03 CLASS C AND D PATCHES
- 701501-05 URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
- 701901-01 TRAFFIC CONTROL DEVICES
- 780001-02 TYPICAL PAVEMENT MARKINGS

TRAFFIC DATA

ADT:			
MCKINLEY STREET (LOCAL COLLECTOR)	1,200 VPD (2006)	2,100 VPD (2020)	
AYER STREET (LOCAL COLLECTOR)	2,200 VPD (2008)	3,500 VPD (2020)	
MARENGO ROAD (LOCAL COLLECTOR)	2,910 VPD (2002)	5,900 VPD (2020)	

POSTED SPEED	DESIGN SPEED
25 MPH (EXISTING)	30 MPH (PROPOSED)
25 MPH (PROPOSED)	



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.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION CALL 811

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

**PLANS FOR PROPOSED
FEDERAL AID HIGHWAY**

**FAU 90001 (MCKINLEY STREET)
DIVISION TO GARFIELD STREET**

&

**FAU 90005 (AYER STREET)
IL RTE 173 TO PARK STREET**

&

**FAU 90006 (MARENGO ROAD)
IL RTE 173 TO WASHINGTON STREET
RESURFACING**

SECTION NO.: 08-00060-00-RS

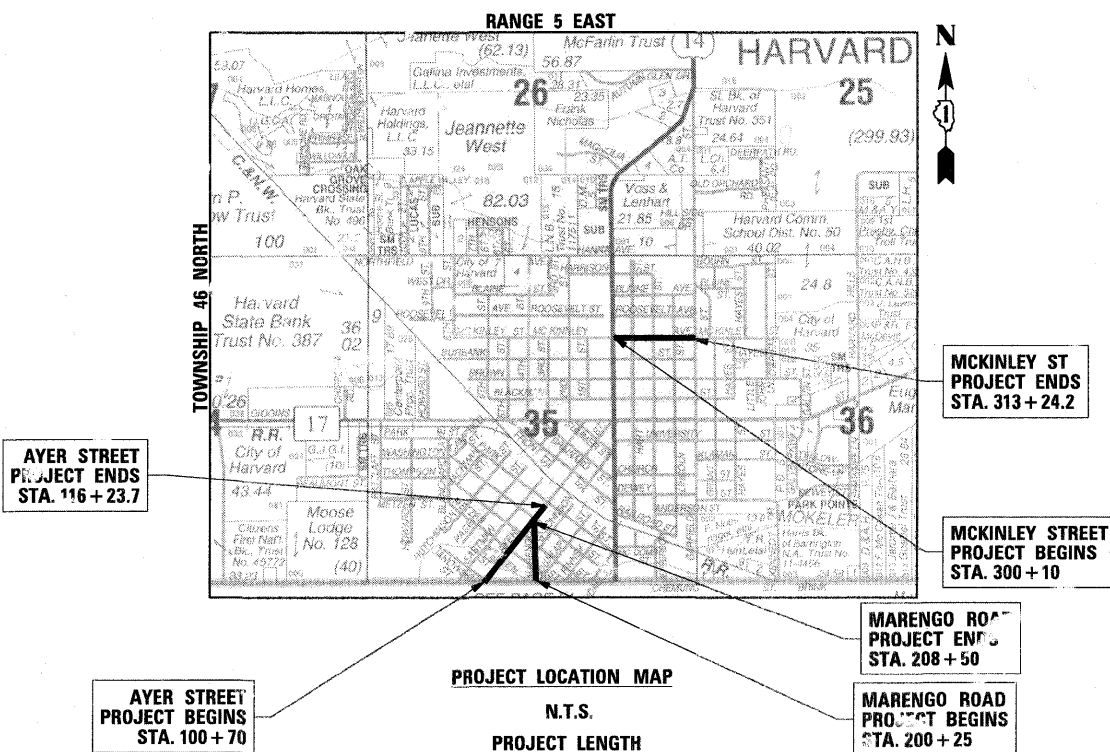
PROJECT NO.: M-9003(185)

CITY OF HARVARD

MCHENRY COUNTY

C91-234-09

PROJECT LOCATION MAP



PROJECT LOCATION MAP

N.T.S.

PROJECT LENGTH

**AYER STREET
PROJECT BEGINS
STA. 100 + 70**

**MARENGO ROAD
PROJECT ENDS
STA. 208 + 50**

**MARENGO ROAD
PROJECT BEGINS
STA. 200 + 25**

**MCKINLEY ST
PROJECT ENDS
STA. 313 + 24.2**

**MCKINLEY STREET
PROJECT BEGINS
STA. 300 + 10**

NET LENGTH OF IMPROVEMENT (AYER STREET) = 1553.7 FT (0.294 MI)
NET LENGTH OF IMPROVEMENT (MARENGO ROAD) = 825.0 FT (0.156 MI)
NET LENGTH OF IMPROVEMENT (MCKINLEY STREET) = 1314.2 FT (0.249 MI)

GROSS LENGTH OF PROJECT = 3692.9 FT (0.699 MI)

CONTRACTS



LOCATION OF SECTION INDICATED THIS: - [shaded area] -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED *[Signature]* 20 09
CITY OF HARVARD - CITY ADMINISTRATOR

PASSED *[Signature]* MARCH 13 20 09
DISTRICT ONE ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID
BASED ON LIMITED REVIEW MARCH 13, 20 09
[Signature]
DEPUTY DIRECTOR OF HIGHWAYS, REGION ONE ENGINEER

PROFESSIONAL ENGINEER'S SIGN & SEAL

[Signature] 03-09-09
DAVID C. JOHANSON
EXPIRES: 11-30-09

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

CONTRACT NO. 63140

COMPANY NAME: Smith, Tony, Simmons
 PROJECT CONTACT: TONY SIMMONS
 CLIENT: ILLINOIS DEPARTMENT OF TRANSPORTATION
 DATE: 03/09/09 10:36:28 AM
 FILE NAME: 080556-cvt.dgn
 PLOT DRIVER: pldrvr
 PEN TABLE: standard-tran.tbl
 ASSOCIATE FIELD ENGINEER: KEVIN STALLWORTH, P.E. (847) 705-4169

GENERAL NOTES

- 1 THE CONTRACTOR WILL PROVIDE AND INSTALL TWO (2) WEIGHTED SAND BAGS ON EACH BARRICADE USED. (TYPE I OR TYPE II (ONE (1) WEIGHTED SAND BAG ACROSS EACH BOTTOM RAIL.) ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR (4) SANDBAGS PER BARRICADE.
- 2 FORTY-EIGHT HOURS BEFORE STARTING EXCAVATION THE CONTRACTOR WILL CALL J.U.L.I.E. (1-800-892-0123) TO HAVE THE LOCATION OF EXISTING UTILITIES STAKED.
- 3 THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE CITY OF HARVARD.
- 4 THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON CITY PROPERTY WITHOUT WRITTEN PERMISSION FROM THE CITY.
- 5 PROPOSED PAVEMENT SHALL MATCH EXISTING PAVEMENT ACCORDING TO THE TRANSITION DETAILS SHOWN IN THE CONSTRUCTION DETAILS.
- 6 THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HOT MIX ASPHALT LIFTS.
- 7 THE BITUMINOUS MATERIAL PRIME COAT QUANTITIES HAVE BEEN DETERMINED USING A RATE OF 0.08 GAL/SQ-YD BEFORE BINDER AND SURFACE COURSE PLACEMENT.
- 8 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 ENGINEER'S LINE AND GRADE STAKES. IF THERE ARE ANY DISCREPANCIES FROM WHAT IS SHOWN ON THE CONSTRUCTION PLANS, HE MUST IMMEDIATELY REPORT SAME TO THE ENGINEER BEFORE DOING ANY WORK, OTHERWISE THE CONTRACTOR ASSUMES FULL RESPONSIBILITY. IN THE EVENT OF DISAGREEMENT BETWEEN THE CONSTRUCTION PLANS, STANDARD SPECIFICATIONS AND/OR SPECIAL DETAILS, THE CONTRACTOR SHALL SECURE WRITTEN INSTRUCTIONS FROM THE ENGINEER PRIOR TO PROCEEDING WITH ANY PART OF THE WORK AFFECTED BY OMISSIONS OR DISCREPANCIES. FAILING TO SECURE SUCH INSTRUCTIONS, THE CONTRACTOR WILL BE CONSIDERED TO HAVE PROCEEDED AT HIS OWN RISK AND EXPENSE. IN THE EVENT 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.

9 SAW CUTTING WILL BE REQUIRED FOR ALL REMOVAL ITEMS LISTED IN SECTION 440 OF THE STANDARD SPECIFICATIONS, SHOWN IN THE PLANS, AND AS DIRECTED BY THE ENGINEER. THE COST OF SAW CUTTING WILL BE INCLUDED IN THE COST OF ITEMS BEING REMOVED.

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.


11 PAVEMENT PATCHING SHALL BE COMPLETED AFTER HOT-MIX ASPHALT SURFACE REMOVAL. ALL PATCHING SHALL BE FULL DEPTH AND CONSTRUCTED UP TO THE ELEVATION OF THE SURFACE AFTER REMOVAL.

12 THE CONTRACTOR SHALL MAKE EFFORT TO MINIMIZE DISTURBANCE TO EXISTING PARKWAY. ANY DISTURBANCE CAUSED SHALL BE REPAIRED IN KIND AND NO ADDITIONAL COMPENSATION SHALL BE ALLOWED

BOXED ITEMS INTICATE WORK THAT IS INCIDENTAL TO THE CONTRACT

SUMMARY OF QUANTITIES			URBAN CONSTRUCTION TYPE CODE
CODE #	PAY ITEM	UNIT	ROADWAY 80% FEDERAL 20% LOCAL 1000
40300100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	2566
40600300	AGGREGATE (PRIME COAT)	TON	33
40600625	LEVELING BINDER MACHINE METHOD, N50	TON	1154
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	340
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C" N50	TON	1385
44000155	HOT-MIX SURFACE REMOVAL 1-1/2"	SQ YD	16026
44201713	CLASS D PATCHES, TYPE 1, 6 INCH	SQ YD	2200
48101200	AGGREGATE SHOULDER, TYPE B	TON	34.19
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	32
67100100	MOBILIZATION	L SUM	1
70101800	TRAFFIC CONTROL AND PROTECTION SPECIAL	L SUM	1
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	60
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	20
Δ 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	41.6
Δ 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	3029
Δ 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	654
Δ 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	15
Δ 78001100	PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	31.2
Δ 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	1085
Δ 78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	70
78300100	PAVEMENT MARKING REMOVAL	SQ FT	176.75
•	DRIVEWAY SURFACE REMOVAL	SQ YD	554
•	DRIVEWAY SURFACE	SQ YD	844

Δ DENOTES SPECIALITY ITEM
• DENOTES SPECIAL PROVISION

 SEC Group, Inc. <small>Engineering Surveying Planning Landscape Architecture</small> <small>McHenry • Yorkville • New Lenox • Chicago</small> <small>www.secgroupinc.com</small>	USER NAME = djohanson	DESIGNED - D. JOHANSON	REVISED -	<p align="center">CITY OF HARVARD 2009 LAPP RESURFACING PROGRAM</p>	GENERAL NOTES AND SUMMARY OF QUANTITIES		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = N/A	CHECKED - GFR	REVISED -		SCALE: N/A	SHEET NO. 2 OF 13 SHEETS	STA.	TO STA.	08-00060-RS	MCHENRY	13
PLOT DATE = 3/9/2009	DATE = 3/11/09	REVISED -					FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 6310		

SCHEDULE OF QUANTITIES

PAY ITEM	UNIT	TOTAL	AYER STREET	MARENGO ROAD	MCKINLEY STREET
BITUMINOUS MATERIALS (PRIME COAT)	GALLON	2566	1290	496	780
AGGREGATE (PRIME COAT)	TON	33	16.5	6.5	10
LEVELING BINDER MACHINE METHOD, N50	TON	1154	580	223	351
HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	340	143.5	51.2	145.3
HOT-MIX ASPHALT SURFACE COURSE, MIX "C" N50	TON	1385	696	268	421
HOT-MIX SURFACE REMOVAL 1-1/2"	SQ YD	16026	8060	3096	4870
CLASS D PATCHES, TYPE 1, 6 INCH	SQ YD	2200	1120	613	467
AGGREGATE SHOULDER, TYPE B	TON	34.19	17.18	17.01	0
FRAMES AND LIDS TO BE ADJUSTED	EACH	32	16	1	15
SHORT-TERM PAVEMENT MARKING	FOOT	60	60	0	0
WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	20	20	0	0
THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	41.6	41.6	0	0
THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	3029	3029	0	0
THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	654	498	0	156
THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	15	0	0	15
PAINT PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	31.2	31.2	0	0
PAINT PAVEMENT MARKING - LINE 4"	FOOT	1085	1085	0	0
PAINT PAVEMENT MARKING - LINE 6"	FOOT	70	70	0	0
PAVEMENT MARKING REMOVAL	SQ FT	176.75	176.75	0	0
DRIVEWAY PAVEMENT REMOVAL	SQ YD	554	340	214	0
OTMA DRIVEWAY PAVEMENT	SQ YD	844	577	267	0

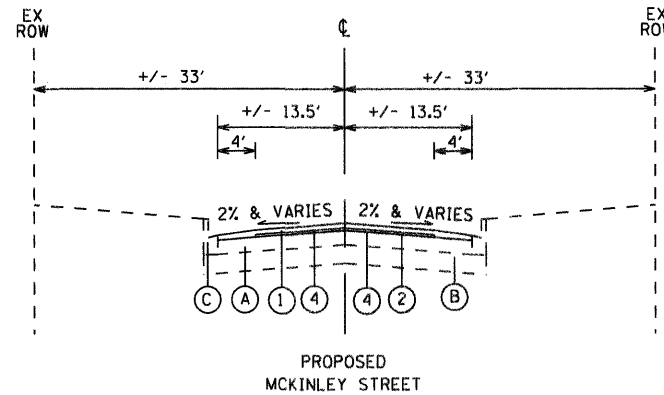
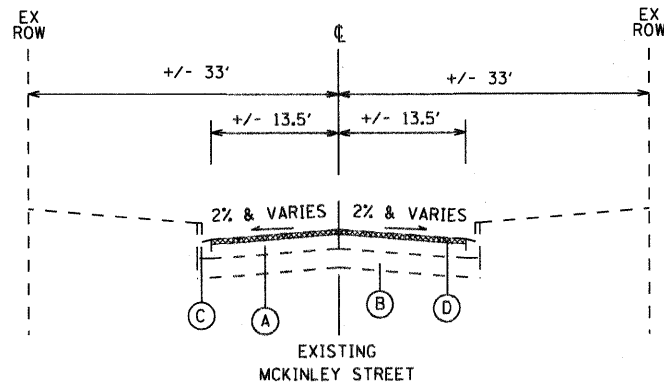
AGGREGATE SHOULDER, TYPE B SCHEDULE

AYER STREET	MARENGO ROAD	MCKINLEY STREET
100+68 TO 101+35 LT 1.29 TONS	200+26 TO 200+99 LT 0.80 TONS	NONE
100+72 TO 100+82 RT 0.09 TONS	200+26 TO 201+65 RT 1.76 TONS	
101+61 TO 102+90 LT 1.63 TONS	201+41 TO 202+45 LT 1.35 TONS	
101+14 TO 102+89 RT 2.62 TONS	201+87 TO 202+74 RT 1.74 TONS	
103+52 TO 103+85 RT 0.52 TONS	202+67 TO 204+13 LT 1.85 TONS	
104+04 TO 104+49 RT 0.65 TONS	203+22 TO 204+24 RT 1.67 TONS	
104+70 TO 106+14 RT 2.33 TONS	204+43 TO 205+41 RT 1.61 TONS	
106+78 TO 107+49 RT 1.37 TONS	204+45 TO 205+42 LT 1.05 TONS	
107+79 TO 108+77 RT 1.61 TONS	205+50 TO 205+88 LT 0.49 TONS	
109+05 TO 111+55 RT 5.07 TONS	206+14 TO 206+68 LT 1.19 TONS	
17.18 TONS	206+92 TO 208+50 LT 3.50 TONS	
	17.01 TONS	

DRIVEWAY SURFACE SCHEDULE

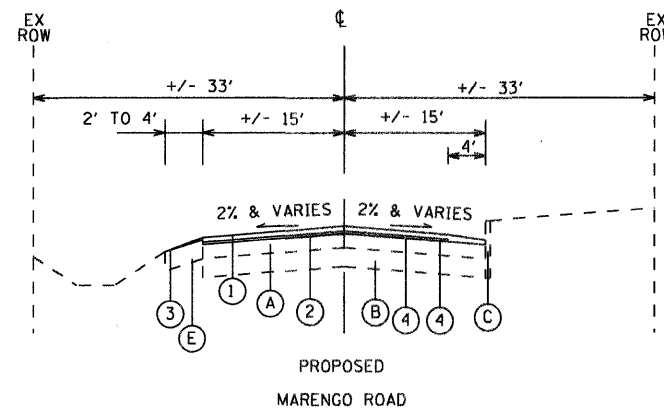
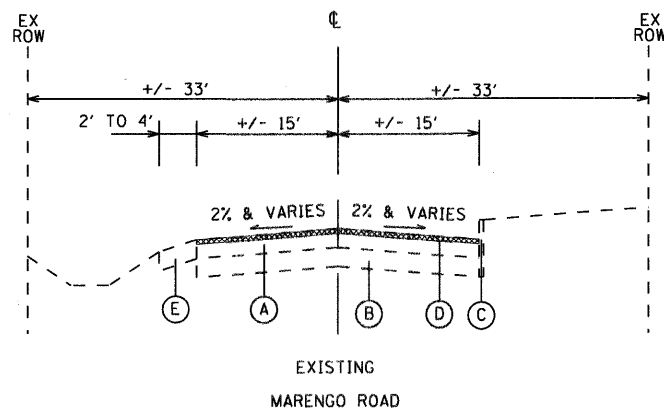
AYER STREET	MARENGO ROAD	MCKINLEY STREET
101+00 RT 19 SQ YD	203+00 RT 70 SQ YD	NONE
101+50 LT 17 SQ YD	204+35 LT 64 SQ YD	
103+40 RT 101 SQ YD	204+40 RT 28 SQ YD	
104+00 RT 73 SQ YD	205+45 LT 5 SQ YD	
104+55 RT 13 SQ YD	206+00 LT 52 SQ YD	
107+50 RT 96 SQ YD	206+75 LT 48 SQ YD	
107+75 LT 47 SQ YD	267 SQ YD	
108+50 LT 56 SQ YD		
108+80 RT 85 SQ YD		
111+75 LT 9 SQ YD		
113+85 RT 13 SQ YD		
114+35 RT 9 SQ YD		
114+50 LT 22 SQ YD		
115+00 RT 13 SQ YD		
115+20 LT 4 SQ YD		
577 SQ YD		

HARVARD 2009 LAPP
 HARV-080606
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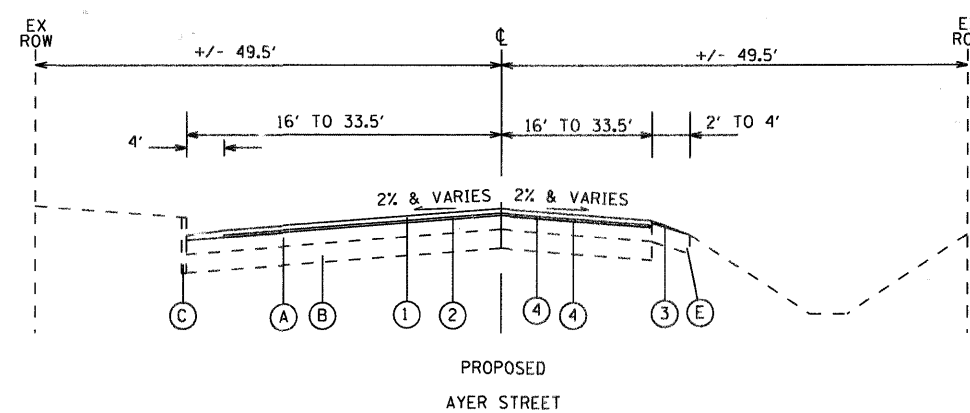
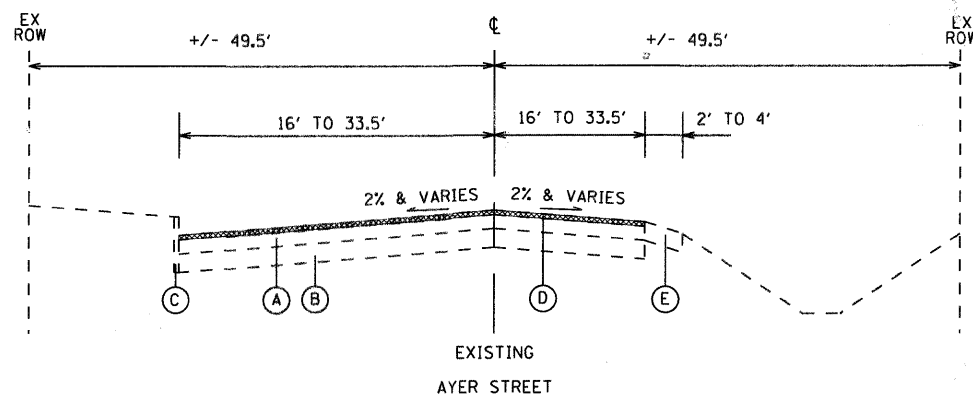
MCKINLEY STREET NOTES

1. SEE CONSTRUCTION DETAILS FOR INFORMATION ON HMA TRANSITION AT CURB (SEE SHEET NO 8).
2. RESURFACING LIMITS ARE AT EXISTING CURB LINE
3. PROPOSED CROSS SLOPE WILL MATCH EXISTING CROSS SLOPE



MARENGO ROAD NOTES

1. SEE CONSTRUCTION DETAILS FOR INFORMATION ON HMA TRANSITION AT CURB (SEE SHEET NO 8).
2. SEE CONSTRUCTION DETAILS FOR DRIVEWAY TREATMENT (SEE SHEET NO 8).
3. RESURFACING LIMITS ARE AT EXISTING CURB LINE OR SHOULDER
4. SEE PLAN SHEET FOR LIMITS OF SHOULDER AND CURB SECTIONS
5. PROPOSED CROSS SLOPE WILL MATCH EXISTING CROSS SLOPE



AYER STREET NOTES

1. SEE CONSTRUCTION DETAILS FOR INFORMATION ON HMA TRANSITION AT CURB (SEE SHEET NO 8).
2. SEE CONSTRUCTION DETAILS FOR DRIVEWAY TREATMENT (SEE SHEET NO 8).
3. RESURFACING LIMITS ARE AT EXISTING CURB LINE OR SHOULDER
4. SEE PLAN SHEET FOR LIMITS OF SHOULDER AND CURB SECTIONS
5. PROPOSED CROSS SLOPE WILL MATCH EXISTING CROSS SLOPE.

EXISTING LEGEND

- (A) EXISTING BITUMINOUS PAVEMENT
- (B) EXISTING AGGREGATE BASE
- (C) EXISTING CONCRETE CURB OR CURB AND GUTTER
- (D) PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL - 1 1/2"
- (E) EXISTING AGGREGATE SHOULDER

PROPOSED LEGEND

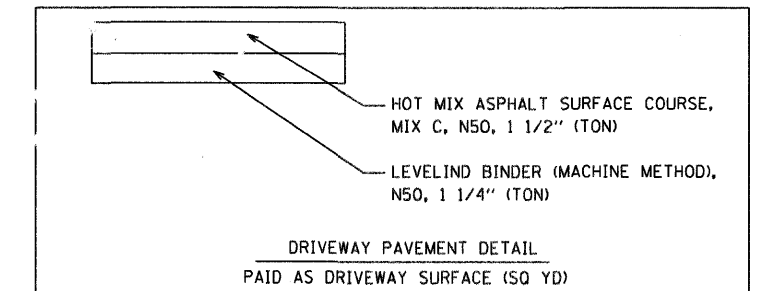
- (1) HOT MIX ASPHALT SURFACE COURSE, MIX C, N50, 1 1/2" (TON)
- (2) LEVELIND BINDER (MACHINE METHOD), N50, 1 1/4" (TON)
- (3) AGGREGATE SHOULDERS, TYPE B (WIDTH VARIES 2'-4')
- (4) BITUMINOUS MATERIALS (PRIME COAT) AND AGGREGATE (PRIME COAT)

HOT-MIX ASPHALT MIXTURE REQUIREMENT

ITEM DESCRIPTION	AC TYPE	VOIDS
HOT MIX ASPHALT SURFACE COURSE, MIX C, N50 (IL-9.5mm)	PG 64-22	4.0% @ 50 Gyr.
LEVELIND BINDER (MACHINE METHOD), N50	PG 64-22	4.0% @ 50 Gyr.
CLASS D PATCHES, HOT-MIX ASPHALT BINDER COURSE, IL-19.0	PG 64-22	4.0% @ 70 Gyr.

THE UNIT WEIGHT USED TO CALCULATED ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTIFIED IS 112 LBS/SY/IN.

• WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22



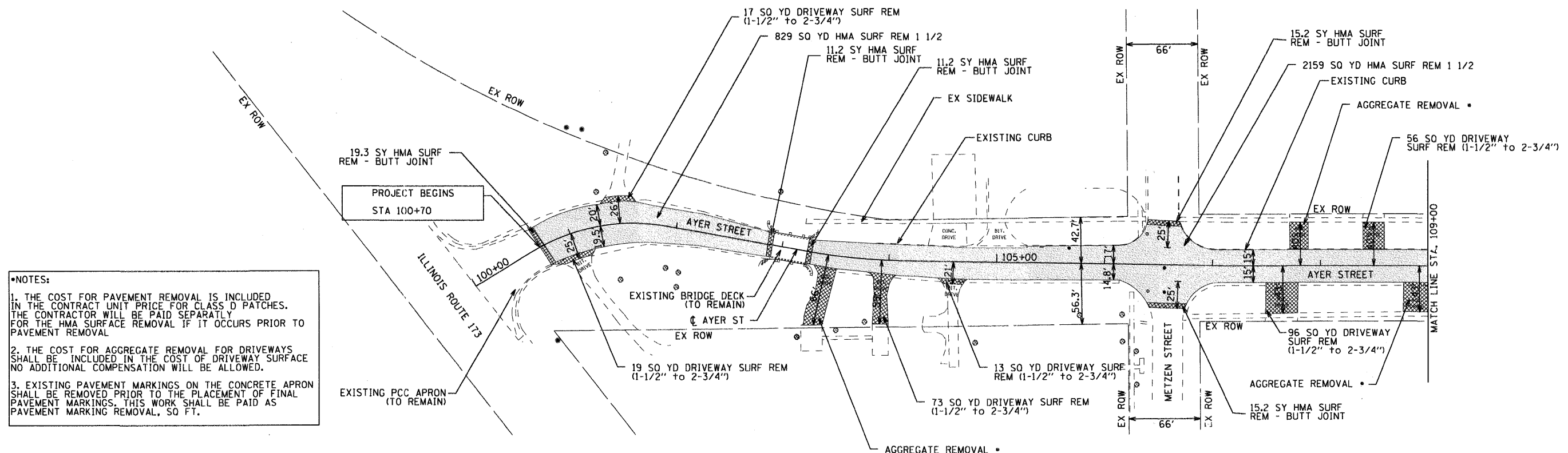
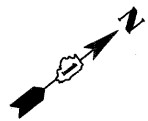
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PLOT SCALE = N/A	DRAWN - DCJ	REVISED -
PLOT DATE = 3/9/2009	CHECKED - GFR	REVISED -
	DATE - 3/11/09	REVISED -

CITY OF HARVARD 2009 LAPP RESURFACING PROGRAM

TYPICAL SECTIONS

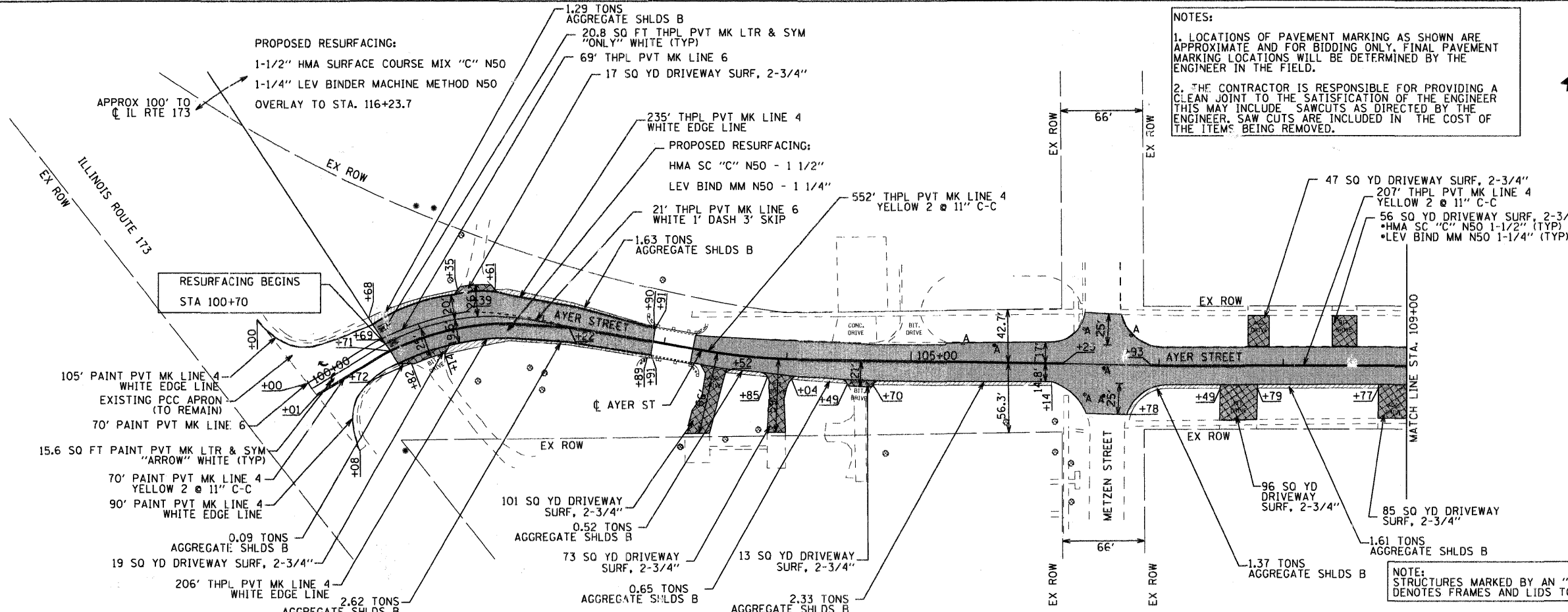
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-0060-RS	MCHENRY	13	4
CONTRACT NO. 08-0060-RS				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



- NOTES:**
1. THE COST FOR PAVEMENT REMOVAL IS INCLUDED IN THE CONTRACT UNIT PRICE FOR CLASS D PATCHES. THE CONTRACTOR WILL BE PAID SEPARATELY FOR THE HMA SURFACE REMOVAL IF IT OCCURS PRIOR TO PAVEMENT REMOVAL.
 2. THE COST FOR AGGREGATE REMOVAL FOR DRIVEWAYS SHALL BE INCLUDED IN THE COST OF DRIVEWAY SURFACE. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
 3. EXISTING PAVEMENT MARKINGS ON THE CONCRETE APRON SHALL BE REMOVED PRIOR TO THE PLACEMENT OF FINAL PAVEMENT MARKINGS. THIS WORK SHALL BE PAID AS PAVEMENT MARKING REMOVAL, SQ FT.

EXISTING CONDITIONS AND REMOVALS



- NOTES:**
1. LOCATIONS OF PAVEMENT MARKING AS SHOWN ARE APPROXIMATE AND FOR BIDDING ONLY. FINAL PAVEMENT MARKING LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.
 2. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING A CLEAN JOINT TO THE SATISFACTION OF THE ENGINEER. THIS MAY INCLUDE SAWCUTS AS DIRECTED BY THE ENGINEER. SAW CUTS ARE INCLUDED IN THE COST OF THE ITEMS BEING REMOVED.



PROPOSED PLAN



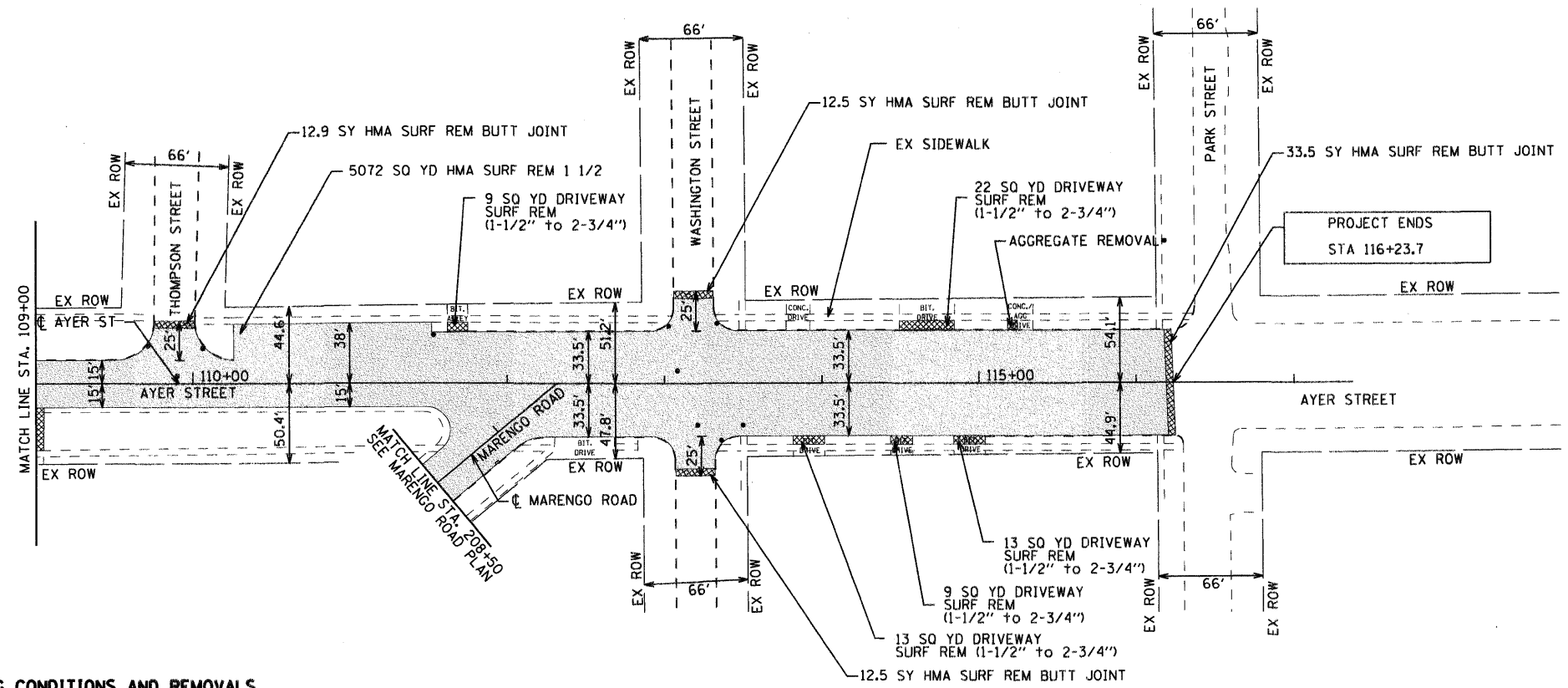
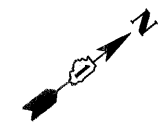
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PLOT DATE = 3/9/2009	CHECKED - GFR	REVISED -
	DATE - 3/11/09	REVISED -

CITY OF HARVARD 2009 LAPP RESURFACING PROGRAM

ROADWAY PLAN AYER STREET

SCALE: 1"=50' SHEET NO. 5 OF 13 SHEETS STA. 100+00 TO STA. 109+00

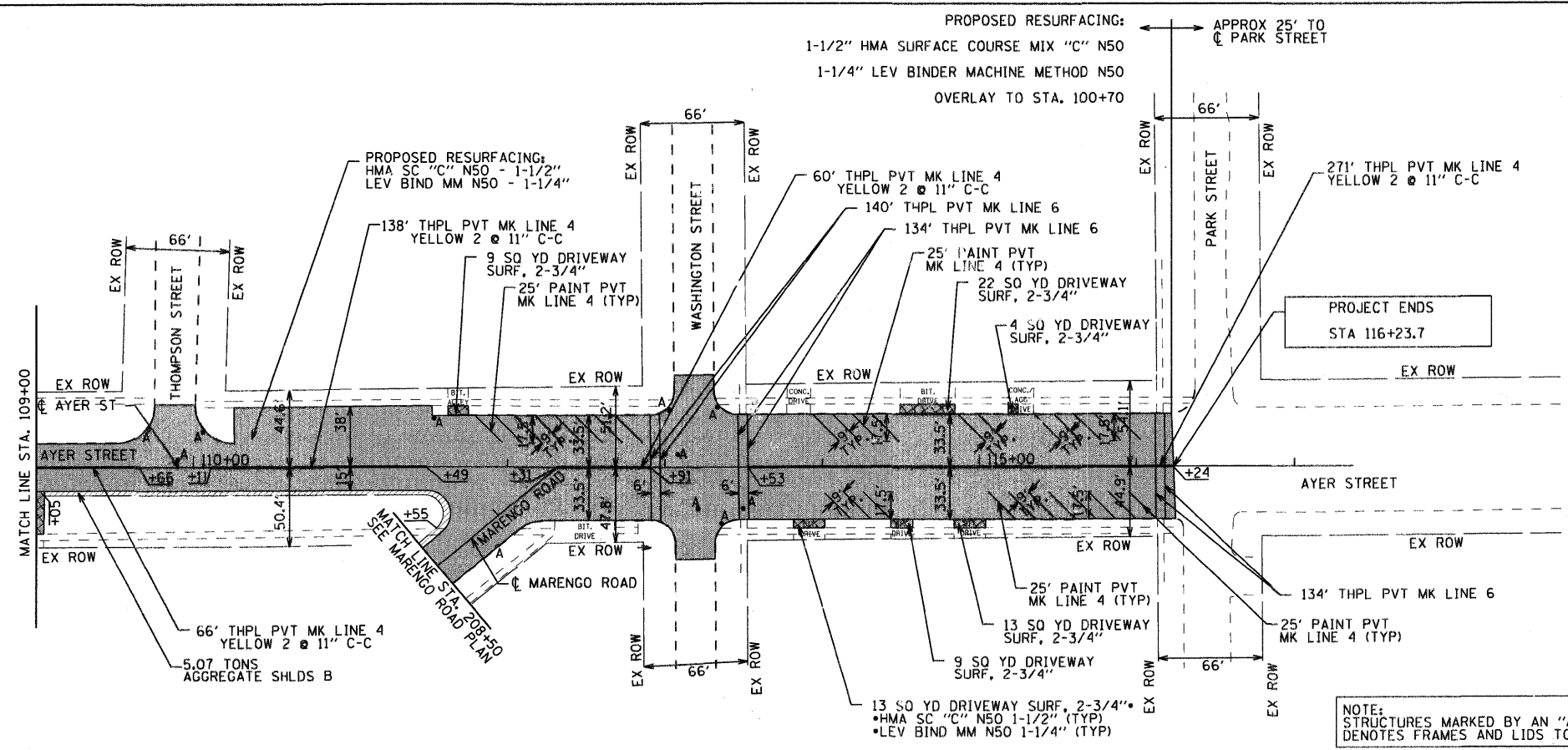
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	08-00060-RS	MCHENRY	13	5.
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



NOTES:

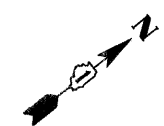
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EXISTING CONDITIONS AND REMOVALS



NOTES:

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PROPOSED PLAN



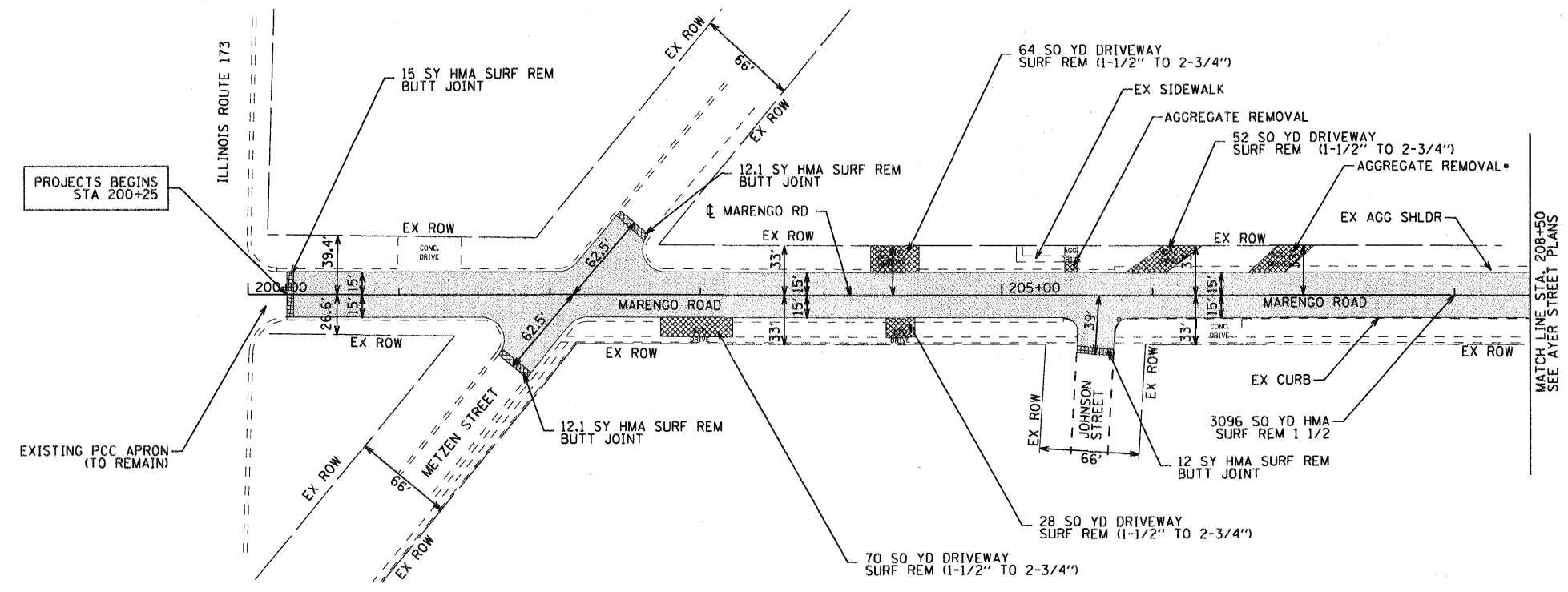
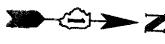
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PLLOT SCALE = 1"=50'	DRAWN - DCJ	REVISED -
PLLOT DATE = 3/9/2009	CHECKED - GFR	REVISED -
	DATE - 3/11/09	REVISED -

CITY OF HARVARD 2009 LAPP RESURFACING PROGRAM

ROADWAY PLAN AYER STREET

SCALE: 1"=50' SHEET NO. 6 OF 13 SHEETS STA. 109+00 TO STA. 116+23.7

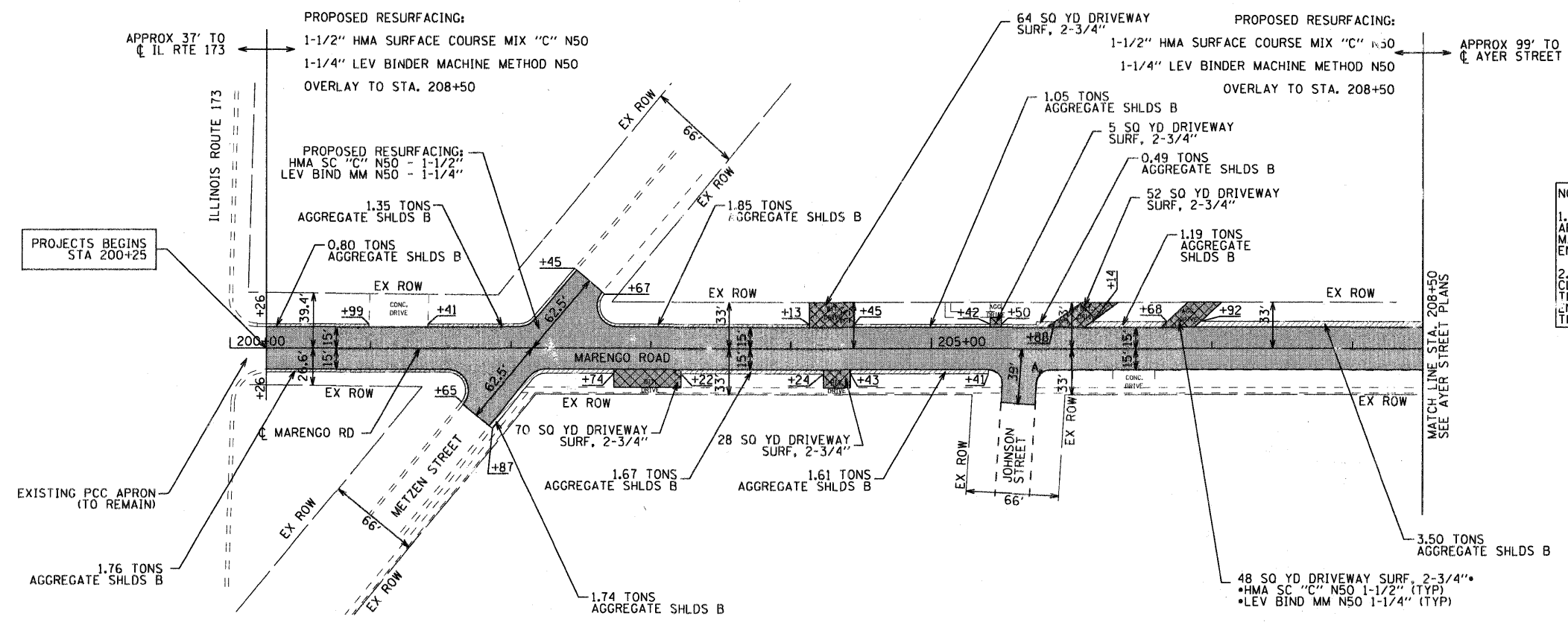
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00060-RS	MCHENRY	13	6
CONTRACT NO. 08-00060-RS				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



NOTES:

1. THE COST FOR PAVEMENT REMOVAL IS INCLUDED IN THE CONTRACT UNIT PRICE FOR CLASS 'D' PATCHES. THE CONTRACTOR WILL BE PAID SEPARATELY FOR THE HMA SURFACE REMOVAL IF IT OCCURS PRIOR TO PAVEMENT REMOVAL.
2. THE COST FOR AGGREGATE REMOVAL FOR DRIVEWAYS SHALL BE INCLUDED IN THE COST OF DRIVEWAY SURFACE. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

EXISTING CONDITIONS AND REMOVALS



NOTES:

1. LOCATIONS OF PAVEMENT MARKING AS SHOWN ARE APPROXIMATE AND FOR BIDDING ONLY. FINAL PAVEMENT MARKING LOCATIONS WILL BE DETERMINED BY THE ENGINEER IN THE FIELD.
2. THE CONTRACTOR IS RESPONSIBLE FOR PROVIDING A CLEAN JOINT TO THE SATISFACTION OF THE ENGINEER. THIS MAY INCLUDE SAWCUTS AS DIRECTED BY THE ENGINEER. SAWCUTS ARE INCLUDED IN THE COST OF THE ITEMS BEING REMOVED.

NOTE:
STRUCTURES MARKED BY AN "A"
DENOTES FRAMES AND LIDS TO BE ADJUSTED

PROPOSED PLAN



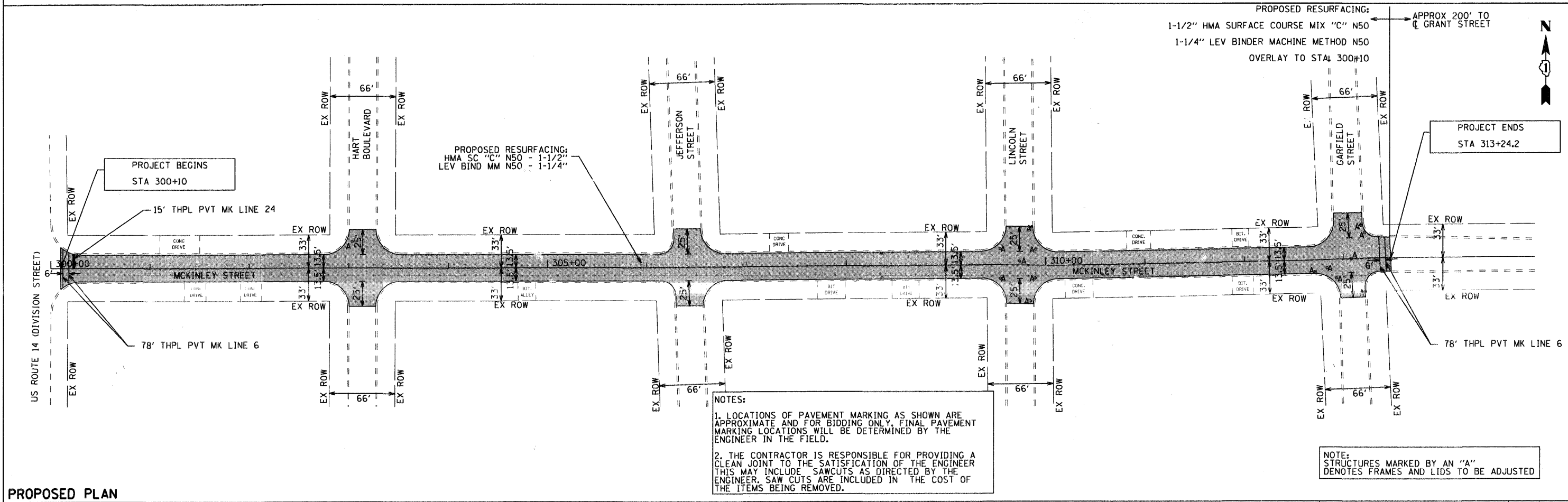
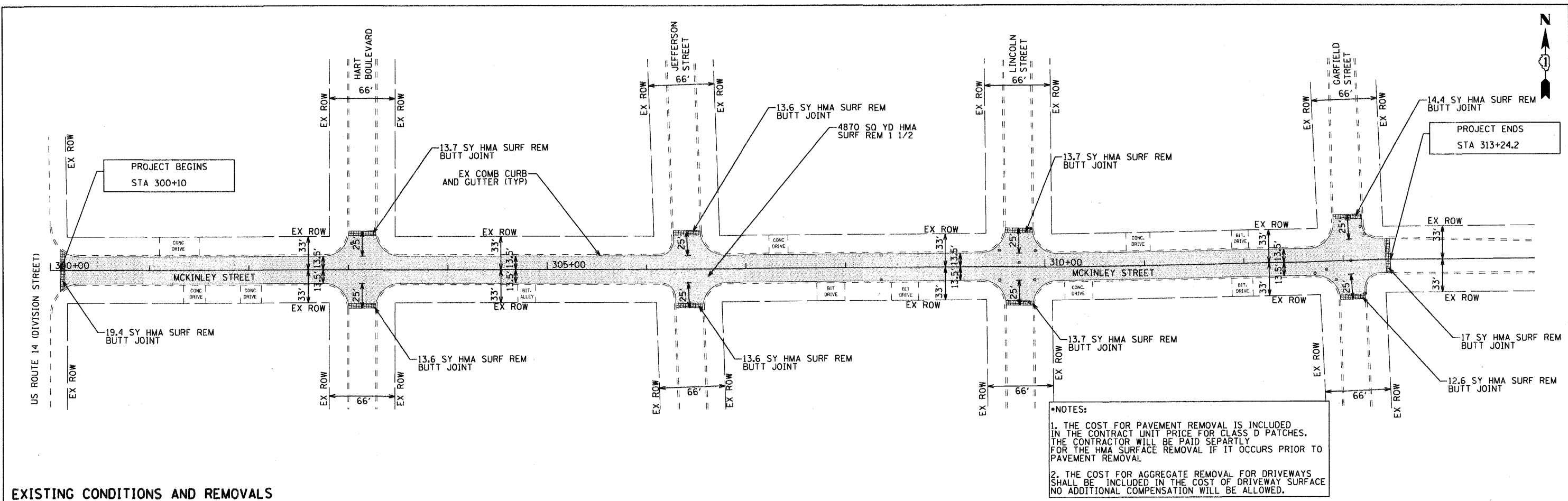
USER NAME = djohanson	DESIGNED - D. JOHANSON	REVISED -
PLOT SCALE = 1"=50'	DRAWN - DCJ	REVISED -
PLOT DATE = 3/9/2009	CHECKED - GFR	REVISED -
	DATE - 3/11/09	REVISED -

**CITY OF HARVARD 2009 LAPP
RESURFACING PROGRAM**

**ROADWAY PLAN
MARENGO ROAD**

SCALE: 1"=50' SHEET NO. 7 OF 13 SHEETS STA. 200+00 TO STA. 208+50

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00060-RS	MCHENRY	13	7
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 09140	



SEC Group, Inc.
 Engineering
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 Landscape Architecture
 McHenry • Yorkville • New Lenox • Chicago
 www.secgroupinc.com

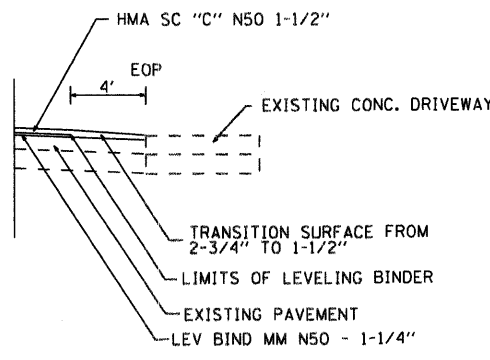
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PLOT SCALE = 1"=50'	DRAWN - DCJ	REVISED -
PLOT DATE = 3/9/2009	CHECKED - GFR	REVISED -
	DATE - 3/11/09	REVISED -

**CITY OF HARVARD 2009 LAPP
 RESURFACING PROGRAM**

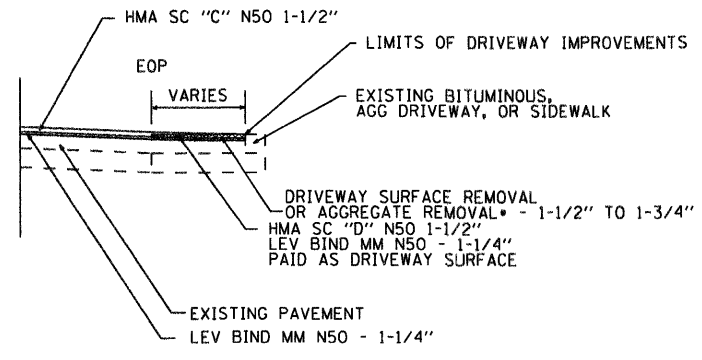
**ROADWAY PLAN
 MCKINLEY STREET**

SCALE: 1"=50'
 SHEET NO. 8 OF 13 SHEETS
 STA. 300+00 TO STA. 313+24.2

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00060-RS	MCHENRY	13	8
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 63746	



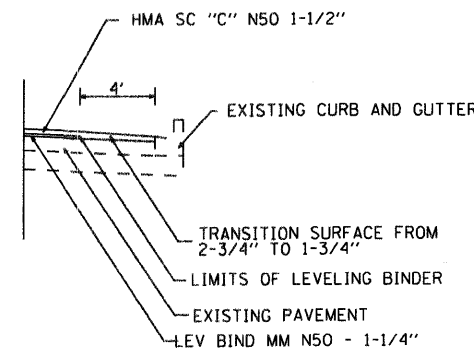
CONCRETE DRIVEWAY



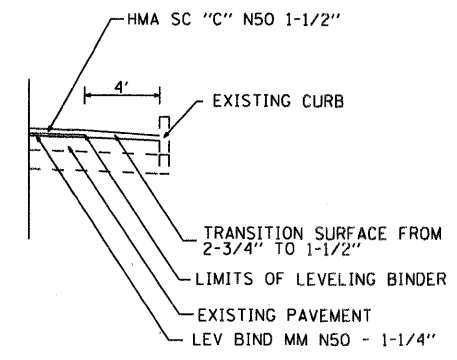
AGGREGATE OR BITUMINOUS DRIVEWAY

*NOTE: AGGREGATE REMOVAL NECESSARY FOR THE PLACEMENT OF DRIVEWAY SURFACE SHALL BE CONSIDERED INCIDENTAL TO THE PLACEMENT OF DRIVEWAY SURFACE AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

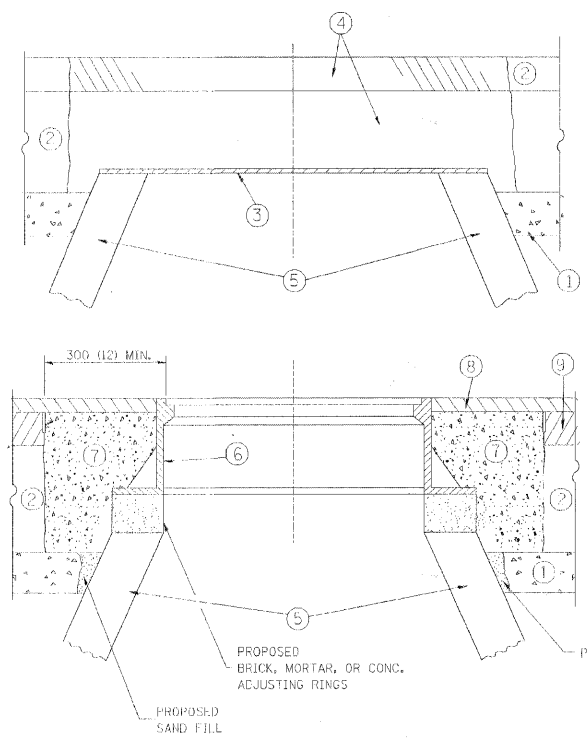
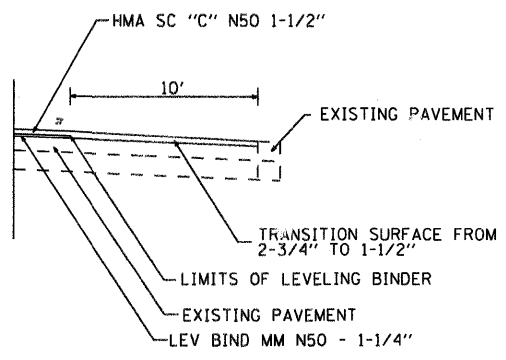
DRIVEWAY TREATMENT DETAIL



HMA TRANSITION AT CURB DETAIL



HMA TRANSITION TO EXISTING PAVEMENT



NOTES:

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPAIRED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 105.04 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 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 RECONSTRUCTION PAY ITEM.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

REVISIONS	
NAME	DATE
R. SHAH	10/25/94
R. SHAH	01/30/95
R. SHAH	03/10/95
A. ABBAS	03/21/97

SCALE: NONE
DATE: 10/18/2002
DRAWN BY: [blank]
CHECKED BY: [blank]
BD600-03 (BD-8)
REVISION DATE: 03/27/98

- CONSTRUCTION PROCEDURES
- STAGE 1 (BEFORE PAVEMENT MILLING)
- REMOVE A MINIMUM OF 300 (12) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
 - REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
 - COVER THE STRUCTURE OPENING WITH A 900 (36) DIAMETER METAL PLATE.
 - BACKFILL WITH CRUSHED STONE AND A MINIMUM 40 (1 1/2) THICK BITUMINOUS MATERIAL APPROVED BY THE ENGINEER.
- STAGE 2 (AFTER PAVEMENT MILLING)
- REMOVE THE BITUMINOUS MATERIAL AND CRUSHED STONE.
 - INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
 - THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS S1 CONCRETE, OR BITUMINOUS CONCRETE SURFACE OR BINDER COURSE MATERIAL 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
 - ③ 900 (36) DIAMETER METAL PLATE
 - ④ PROPOSED CRUSHED STONE AND BITUMINOUS MATERIAL
 - ⑤ EXISTING STRUCTURE
 - ⑥ FRAME AND LID (SEE NOTES)
 - ⑦ CLASS S1 CONCRETE, BITUMINOUS CONCRETE SURFACE OR BINDER COURSE MATERIAL
 - ⑧ PROPOSED BITUMINOUS CONCRETE SURFACE COURSE
 - ⑨ PROPOSED BITUMINOUS CONCRETE BINDER COURSE

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: FRAMES AND LIDS TO BE ADJUSTED, SPECIAL EACH
NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN

ILLINOIS DEPARTMENT OF TRANSPORTATION
DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

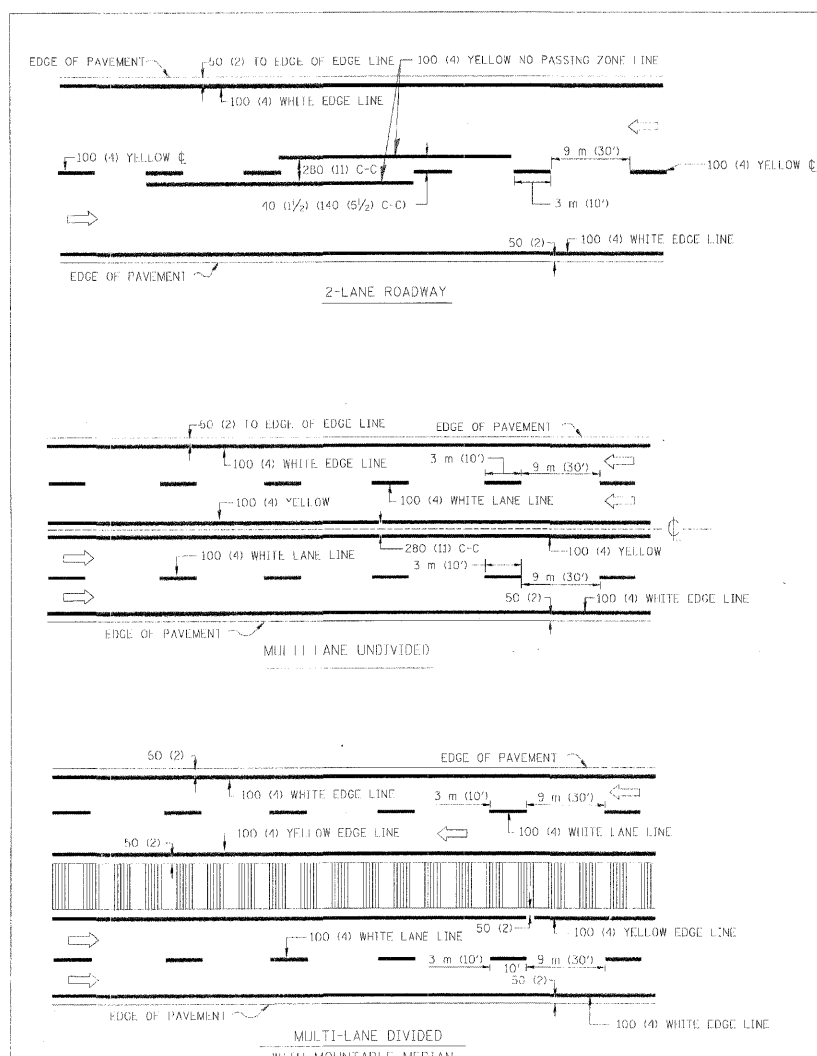
<p>SEC Group, Inc. Engineering Surveying Planning Landscape Architecture McHenry • Yorkville • New Lenox • Chicago www.secgroupinc.com</p>	USER NAME = djohanson	DESIGNED - D. JOHANSON	REVISED -
	PLDT SCALE = N/A	DRAWN - DCJ	REVISED -
	PLDT DATE = 3/9/2009	CHECKED - GFR	REVISED -
		DATE - 3/11/09	REVISED -

CITY OF HARVARD 2009 LAPP RESURFACING PROGRAM

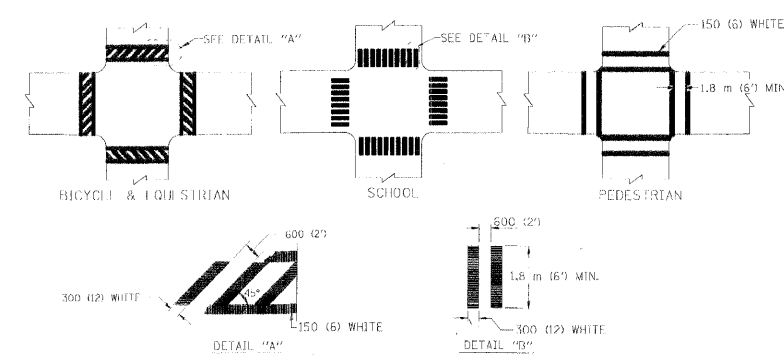
CONSTRUCTION DETAILS			
SCALE: N/A	SHEET NO. 9 OF 13 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-0060-RS	MCHENRY	13	9
FED. ROAD DIST. NO. ILLINOIS			FED. AID PROJECT	
			CONTRACT NO. 08100	

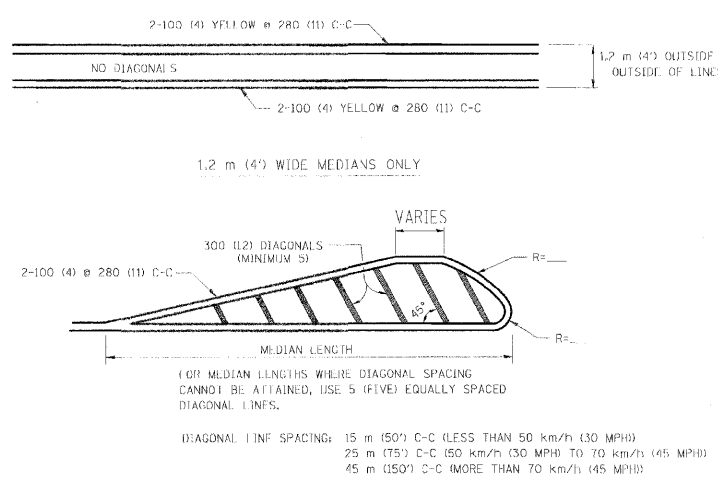
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STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



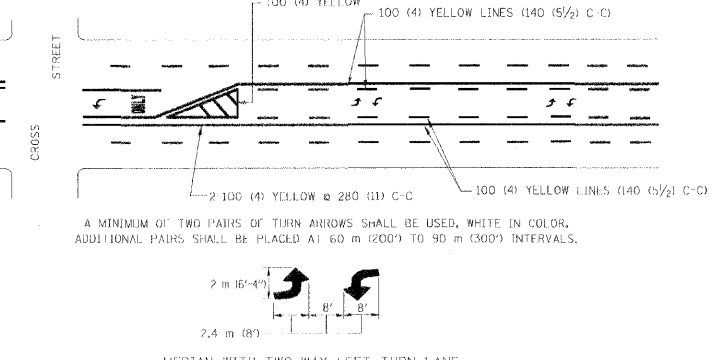
TYPICAL LANE AND EDGE LINE MARKING



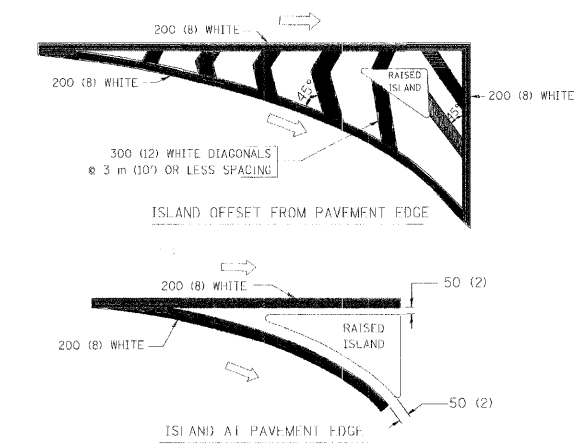
TYPICAL CROSSWALK MARKING



TYPICAL PAINTED MEDIAN MARKING



TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	100 (4)	SKIP-DASH	YELLOW	3 m (10') LINE WITH 9 m (30') SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 100 (4)	SOLID	YELLOW	280 (11) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	100 (4) 2 @ 100 (4)	SOLID SOLID	YELLOW YELLOW	140 (5 1/2) C-C FROM SKIP-DASH CENTERLINE 280 (11) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	100 (4) 125 (5) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	3 m (10') LINE WITH 9 m (30') SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	600 (24') LINE WITH 1.8 m (6') SPACE
EDGE LINES	100 (4)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTAIN MEDIAN IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	150 (6) LINE; FULL SIZE LETTERS & SYMBOLS (2, 4, 8)	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 100 (4) EACH DIRECTION 2.4 m (8') LEFT ARROW	SKIP-DASH AND SOLID PAIRS	YELLOW WHITE	3 m (10') LINE WITH 9 m (30') SPACE FOR SKIP-DASH; 140 (5 1/2) 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 @ 150 (6) 300 (12) @ 45° 300 (12) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 1.8 m (6') APART 600 (24') APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	600 (24)	SOLID	WHITE	PLACE 1.2 m (4') IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 100 (4) WITH 300 (12) DIAGONALS @ 45° NO DIAGONALS USED FOR 1.2 m (4') WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	280 (11) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	200 (8) WITH 300 (12) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 4.5 m (15') C-C (LESS THAN 50 km/h (30 MPH)) 6 m (20') C-C (50 km/h (30 MPH) TO 70 km/h (45 MPH)) 9 m (30') C-C (OVER 70 km/h (45 MPH))
RAILROAD CROSSING	150 (6) TRANSVERSE LINES; "RR" IS 1.8 m (6') LETTERS; 400 (16) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD #80001 AREA OF: "R"=0.33m ² (3.6 SQ. FT.) EACH "X"=5.0 m ² (54.0 SQ. FT.)
SHOULDER DIAGONALS	300 (12) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	15 m (50') C-C (LESS THAN 50 km/h (30 MPH)) 25 m (75') C-C (50 km/h (30 MPH) TO 70 km/h (45 MPH)) 45 m (150') C-C (OVER 70 km/h (45 MPH))

FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD #80001.

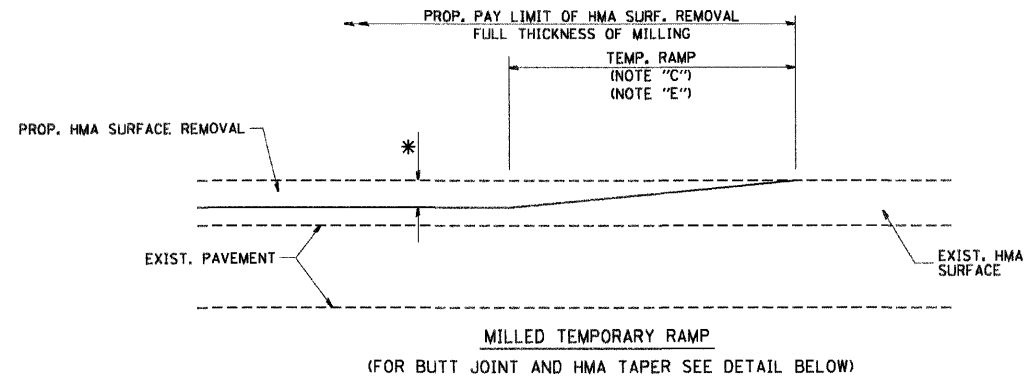
All dimensions are in millimeters (inches) unless otherwise shown.

REVISIONS	
NAME	DATE
EVERS	03-19-90
T. HAMMACHER	10-27-94
ALEX HOUSEH	10-09-96
ALEX HOUSEH	10-17-96
T. HAMMACHER	01-06-00

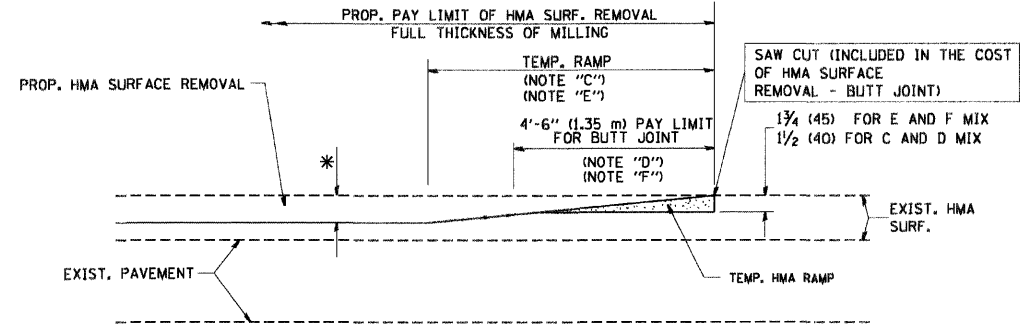
ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

SCALE: NONE
DATE: 10/18/2002
DRAWN BY: CADD
CHECKED BY: TC 13
REVISION DATE: 02/06/00

CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STA.	TO STA.			
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

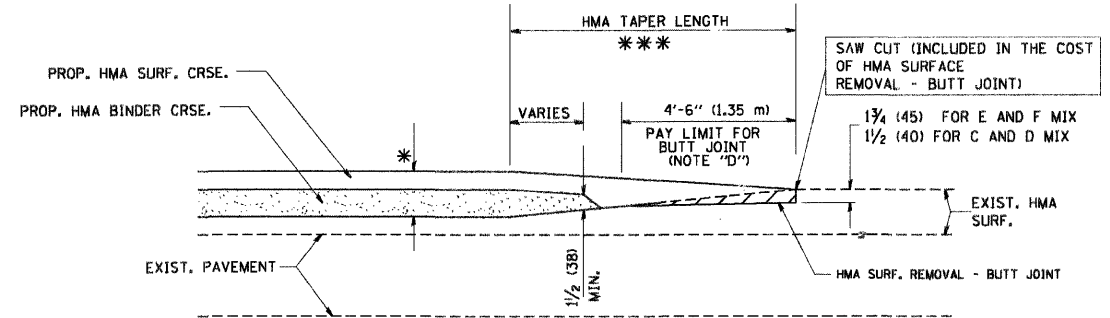


OPTION 1

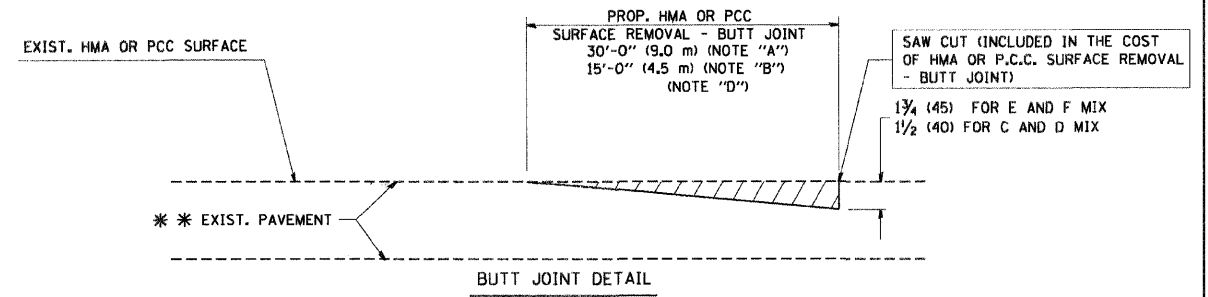


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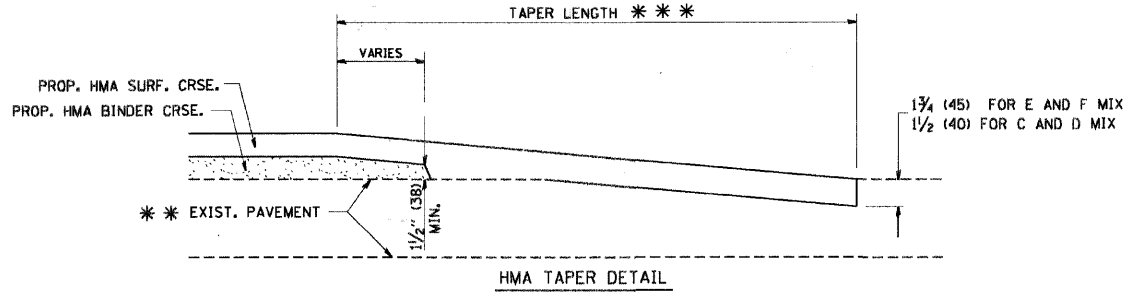
TYPICAL TEMPORARY RAMP



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".

REVISIONS	
NAME	DATE
M. DE YONG	6-13-90
M. DE YONG	7-3-90
M. DE YONG	3-27-92
R. SHAH	09/09/94
R. SHAH	10/25/94
A. ABBAS	03/21/97
M. GOMEZ	04/06/01
R. BORO	01/01/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
BUTT JOINT AND HMA TAPER DETAILS
SCALE: VERT. NONE
HORIZ. 1/8"=1'-0"
PLOT DATE: 1/18/2007
DRAWN BY
CHECKED BY

BD400-05 (V1-BD32)
REVISION DATE: 01/01/07

PLOT DATE = 1/18/2007
 FILE NAME = c:\projects\bd400\bd400.dgn
 PLOT SCALE = 1/8"=1'-0"
 USER NAME = djohanson



USER NAME = djohanson	DESIGNED - D. JOHANSON	REVISED -
PLOT SCALE =	DRAWN - DCJ	REVISED -
PLOT DATE = 3/9/2009	CHECKED - GFR	REVISED -
	DATE - 3/11/09	REVISED -

CITY OF HARVARD 2009 LAPP RESURFACING PROGRAM

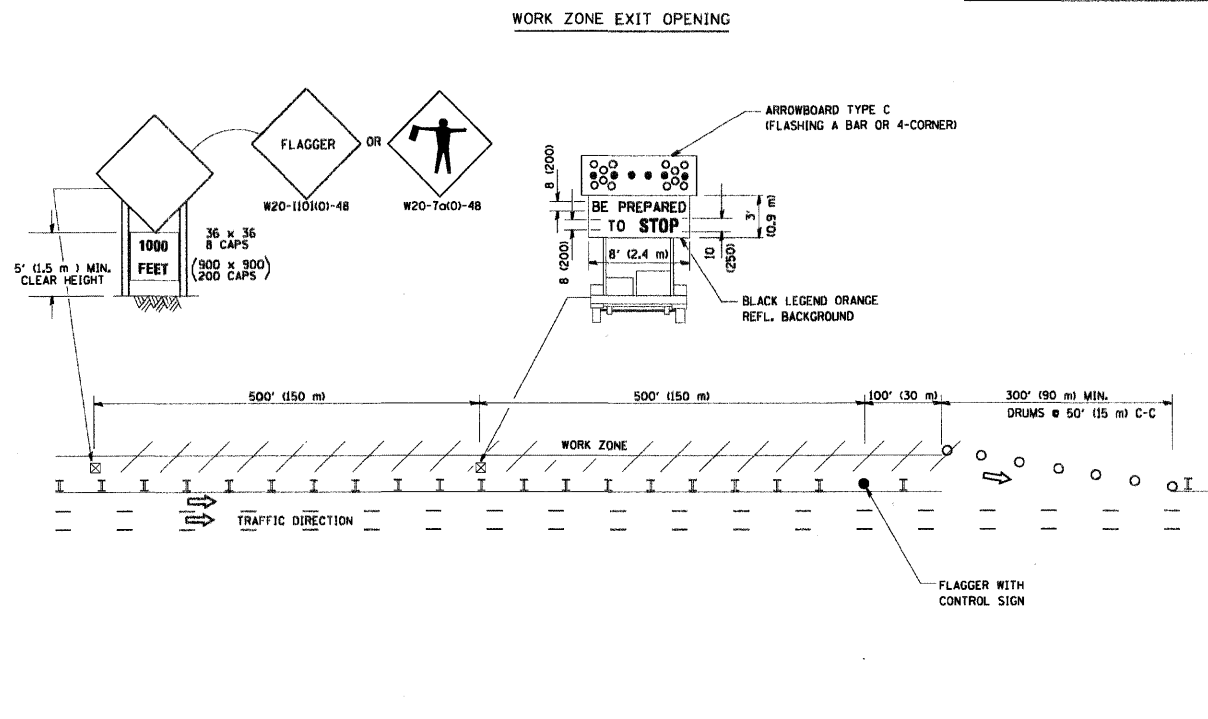
CONSTRUCTION DETAILS

SCALE:	SHEET NO. 11 OF 13 SHEETS	STA.	TO STA.
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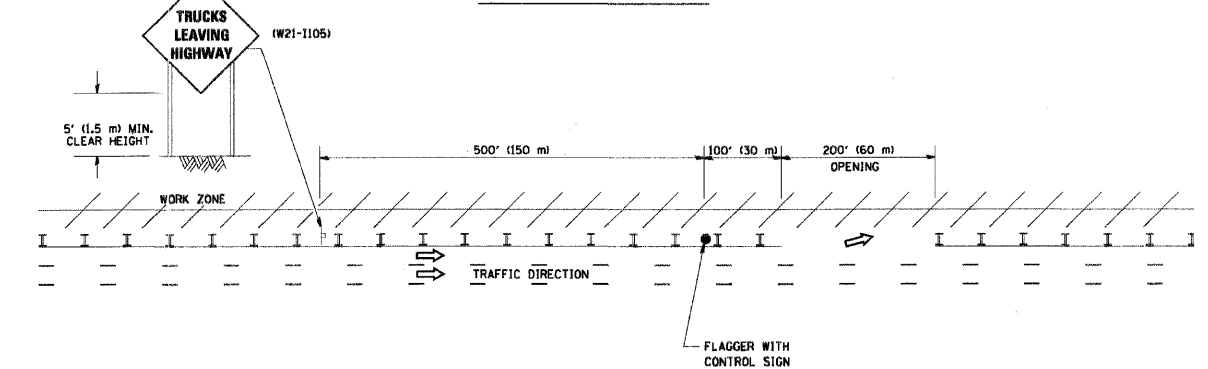
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00060-RS	MCHENRY	13	11
CONTRACT NO. 08000				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

CONTRACT NO.			
F.A. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
STA.	TO STA.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		

SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS



WORK ZONE ENTRY OPENING



NOTES:

- The Arrowboard, the Flagger Ahead trailer mounted sign, and the Trucks Leaving Highway sign shall be removed or turned away from traffic and the exit and entry openings shall be closed when the flagging operation ceases.
- Work Zone Exit Openings should be a minimum of one half mile apart.
- Exiting the work zone at any place other than at a Work Zone Exit Opening will be prohibited.
- All vehicles shall enter the work zone at entry openings, using their turn signals to warn motorists

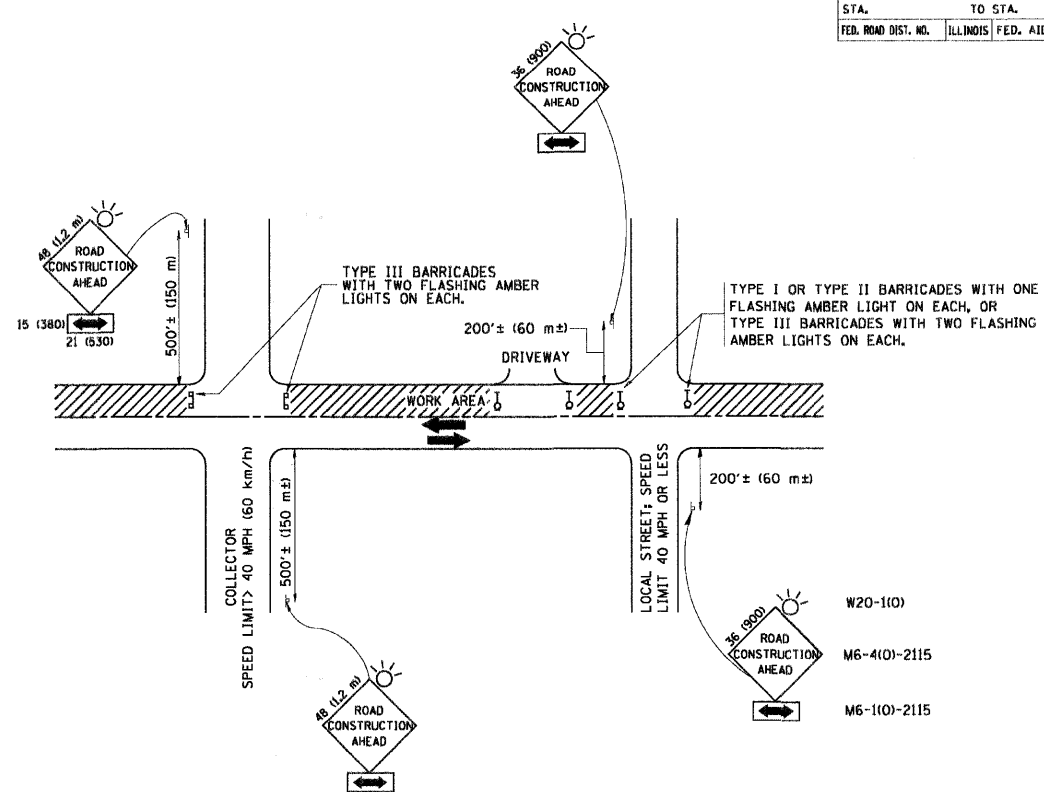
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

REVISIONS	
NAME	DATE
DWS	8/98
JAF	4/03
JAF	2/06
SPB	1/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

SCALE: NONE DRAWN BY CADD CHECKED BY TC-18

CONTRACT NO.			
F.A. RTE.	SECTION	COUNTY	TOTAL SHEET NO.
STA.	TO STA.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		



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

NOTES:

- FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS
 - 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:
 - 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.
 - 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.
 - SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - 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.
 - 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.
- 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).

REVISIONS	
NAME	DATE
LHA	6/89
T. RAMMACHER	09/08/94
J. OBERLE	10/18/95
A. HOUSEH	03/06/96
A. HOUSEH	10/15/96
T. RAMMACHER	01/06/00

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

SCALE: NONE DRAWN BY CHECKED BY TC-10



USER NAME = djohanson	DESIGNED - D. JOHANSON	REVISED -
PLLOT SCALE =	DRAWN - DCJ	REVISED -
PLLOT DATE = 3/9/2009	CHECKED - GFR	REVISED -
	DATE - 3/11/09	REVISED -

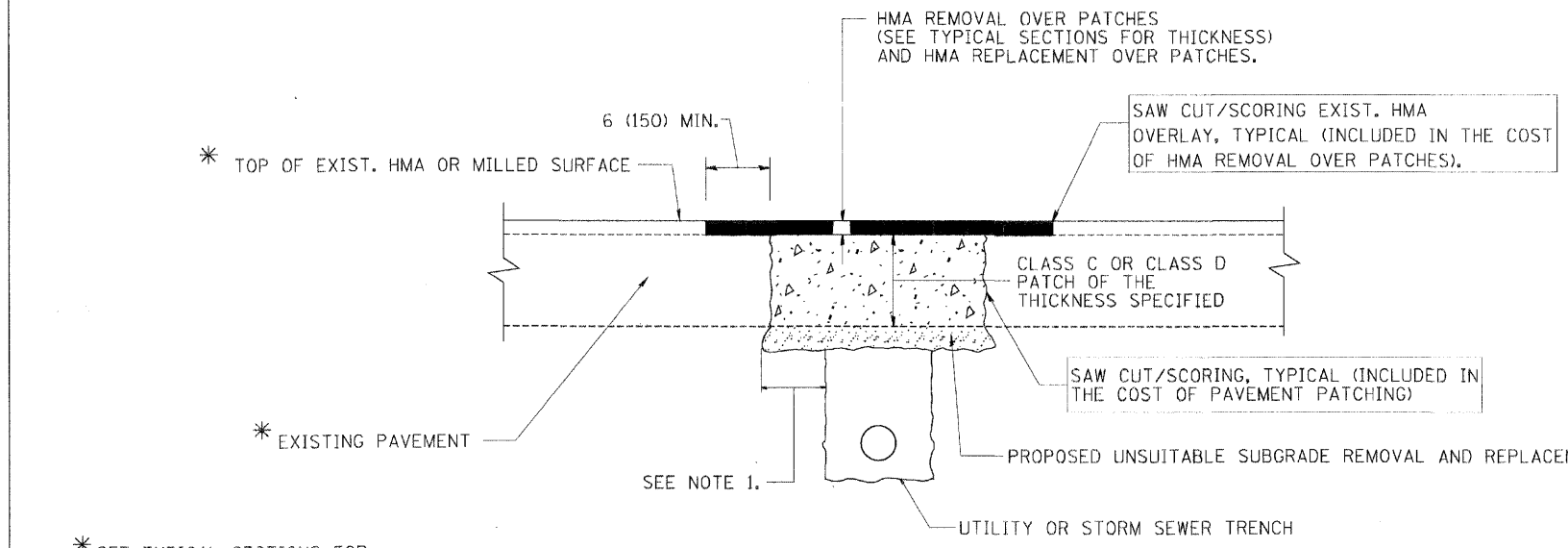
CITY OF HARVARD 2009 LAPP RESURFACING PROGRAM

CONSTRUCTION DETAILS

SCALE: SHEET NO. 12 OF 13 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	08-00060-RS	MCHENRY	13	12
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO.	

CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STA.	TO STA.			
FED. ROAD DIST. NO. 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

1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE FULL DEPTH PATCHES
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

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

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION	
NAME	DATE		
R. SHAH	10/25/04		
R. SHAH	02/14/05		
R. SHAH	03/23/05		
R. SHAH	04/24/05		
A. HOUSEH	03/15/06		
A. ABBAS	03/27/07		
A. ABBAS	01/25/08		
ART ABBAS	04/21/08		
R. BORO	01/01/07	SCALE: VERT. NONE HORIZ. PLOT DATE 11/18/2007	DRAWN BY CHECKED BY BO400-04 (RD-22) REVISION DATE: 04/01/07

PLOT DATE: 11/18/07
 PLOT SCALE: 1"=40'-0"
 PLOT NO.: 080556-06105.dgn



USER NAME = djohanson	DESIGNED - D. JOHANSON	REVISED -
PLOT SCALE =	DRAWN - DCJ	REVISED -
PLOT DATE = 3/9/2009	CHECKED - GFR	REVISED -
	DATE - 3/11/09	REVISED -

CITY OF HARVARD 2009 LAPP RESURFACING PROGRAM

CONSTRUCTION DETAILS

SCALE:	SHEET NO. 13 OF 13 SHEETS	STA.	TO STA.	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
					08-00060-RS	MCHENRY	13	13
				CONTRACT NO. 080556-06105				
				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				