

DESIGN ENGINEER: VYDAS JUSKELIS, P.E. (630) 834-8505

FIELD ENGINEER: MARLIN D. SOLOMON, P.E. (847) 705-4407

INDEX OF SHEETS

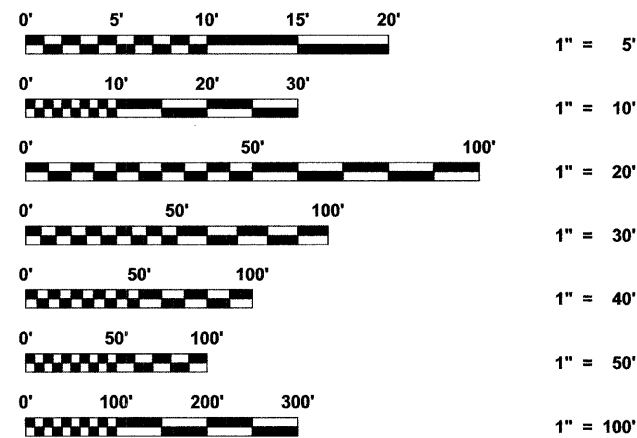
- 1 COVER SHEET
- 2 GENERAL NOTES
SUMMARY OF QUANTITIES
HOT-MIX ASPHALT MIXTURES REQUIREMENTS CHART
TYPICAL SECTIONS
- 3 PLAN, STA. 10+00 TO STA. 23+00
- 4 PLAN, STA. 23+00 TO STA. 36+00
- 5 PLAN, STA. 36+00 TO STA. 49+00
- 6 PLAN, STA. 49+00 TO STA. 62+00
- 7 PAVEMENT MARKING PLAN, STA. 10+00 TO STA. 23+00
- 8 PAVEMENT MARKING PLAN, STA. 23+00 TO STA. 36+00
- 9 PAVEMENT MARKING PLAN, STA. 36+00 TO STA. 49+00
- 10 PAVEMENT MARKING PLAN, STA. 49+00 TO STA. 62+00
- 11 TRAFFIC SIGNAL DETECTOR LOOP REPLACEMENT PLAN

DISTRICT ONE STANDARD DETAILS

- 12 BD-08 DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING
- 13 BD-22 PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
- 14 BD-24 CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
- 15 BD-32 BUTT JOINT AND HMA TAPER DETAILS
- 16 TC-10 TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
- 17 TC-13 DISTRICT ONE TYPICAL PAVEMENT MARKINGS
- 18 TC-14 TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)

STATE HIGHWAY STANDARDS

- 000001-05 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 424001-05 CURB RAMPS FOR SIDEWALKS
- 442201-03 CLASS C AND CLASS D PATCHES
- 606001-04 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
- 701606-06 URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
- 701901-01 TRAFFIC CONTROL DEVICES
- 780001-02 TYPICAL PAVEMENT MARKINGS



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123 or 811

CONTRACT NO. 63384

VILLAGE OF VILLA PARK
ENGINEERING DIVISION
VYDAS JUSKELIS, P.E. - VILLAGE ENGINEER
20 SOUTH ARDMORE AVENUE • T: 630.834.8505
VILLA PARK, ILLINOIS 60181-2696 • F: 630.834.8509

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
**PLANS FOR PROPOSED
FEDERAL AID URBAN PROJECT**

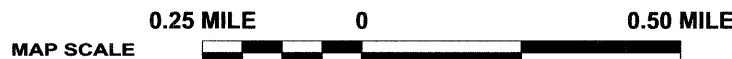
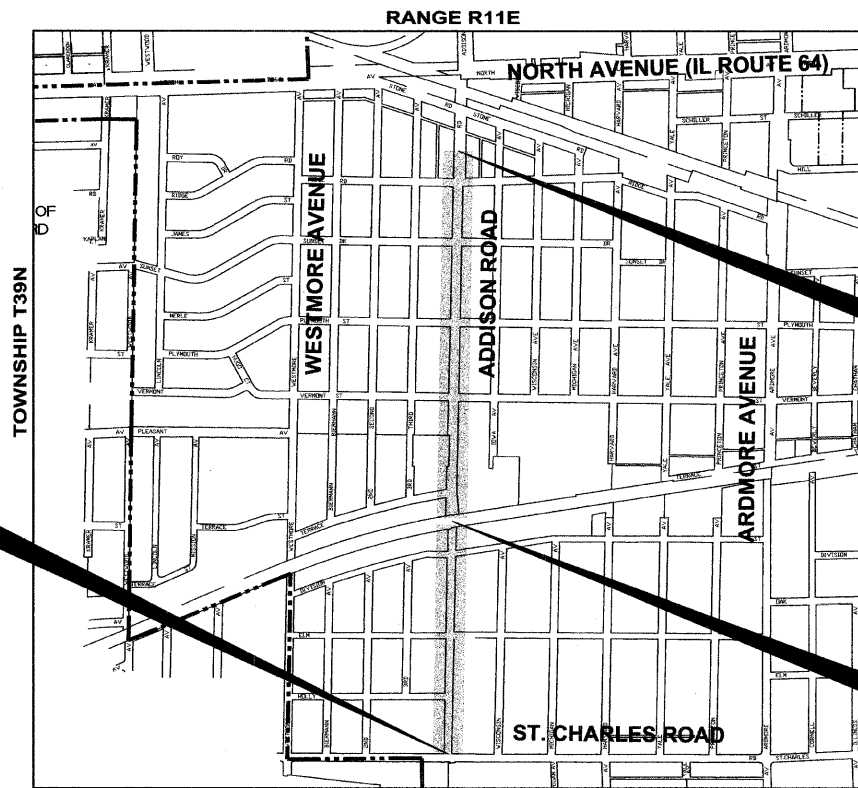
FAU ROUTE 2642 (ADDISON ROAD)
ST. CHARLES ROAD (FAU 1397) TO
NORTH AVENUE (IL ROUTE 64) (FAP 307)
LAPP RESURFACING
SECTION: 09-00087-00-RS
PROJECT: ARA-9003 (254)
VILLAGE OF VILLA PARK
DU PAGE COUNTY
JOB NUMBER: C-91-368-09

**PROJECT
LOCATED IN
THE VILLAGE
OF VILLA PARK**

**PROJECT BEGINS
STA 10+26.00**

**PROJECT ENDS
STA 60+12.00**

**OMISSION
STA 29+24.00 TO
STA 29+76.00**



TRAFFIC DATA

TRAFFIC VOLUME	-	13,000 ADT (2009)
DESIGN DESIGNATION	-	MINOR ARTERIAL
POSTED SPEED LIMIT	-	30 MPH
DESIGN SPEED LIMIT	-	30 MPH

LENGTH OF IMPROVEMENT

GROSS PROJECT LENGTH	-	4,986 FEET (0.94 MILES)
NET PROJECT LENGTH	-	4,934 FEET (0.93 MILES)

FAU RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
2642	09-00087-00-RS	DUPAGE	18	01
STA. 10+26.00		TO STA. 60+12.00		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 63384



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

Approved: *Vydas Juskelis*
Vydas Juskelis, P.E.
Village of Villa Park, Public Works Director

Passed: *October 29, 2009*
Christophe Herberich
District 1 Engineer of Local Roads & Streets

Releasing for Bid
Based on Limited
Review: *October 29, 2009*
Diana M. O'Keefe
Deputy Director of Highways, Region 1 Engineer

Vydas Juskelis
ENGINEER: VYDAS JUSKELIS
10/28/2009
DATE

ILLINOIS REGISTRATION NUMBER: 062-045747
EXPIRATION DATE: 11/2009

THESE PLANS OR ANY PART THEREOF SHALL BE CONSIDERED VOID WITHOUT THE SIGNATURE, SEAL AND EXPIRATION DATE OF SEAL OF THE ENGINEER.

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

SUMMARY OF QUANTITIES

PAY ITEM NUMBER	DESCRIPTION	UNIT	QUANTITY 1000
28000510	INLET FILTERS	EACH	56.00
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	2,500.00
40600300	AGGREGATE (PRIME COAT)	TON	50.00
40600400	MIXTURE FOR CRACKS, JOINTS AND FLANGEWAYS	TON	34.00
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	248.00
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	3,200.00
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	3,500.00
42400800	DETECTABLE WARNINGS	SQ FT	650.00
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	25,000.00
44000600	SIDEWALK REMOVAL	SQ FT	3,500.00
44001700	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	1,400.00
44201737	CLASS D PATCHES, TYPE I, 8 INCH	SQ YD	600.00
44201741	CLASS D PATCHES, TYPE II, 8 INCH	SQ YD	600.00
44201745	CLASS D PATCHES, TYPE III, 8 INCH	SQ YD	600.00
44201747	CLASS D PATCHES, TYPE IV, 8 INCH	SQ YD	600.00
60266610	VALVE BOXES TO BE ADJUSTED (SPECIAL)	EACH	2.00
60300310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	42.00
67100100	MOBILIZATION	L SUM	1.00
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1.00
70300200	TEMPORARY PAVEMENT MARKING	FOOT	12,000.00
* 78004200	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LETTERS AND SYMBOLS	SQ FT	400.00
* 78004210	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 4"	FOOT	11,000.00
* 78004230	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 6"	FOOT	2,100.00
* 78004280	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 24"	FOOT	500.00
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	600.00
X4067107	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	1,500.00
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1.00

* DENOTES SPECIALTY ITEM

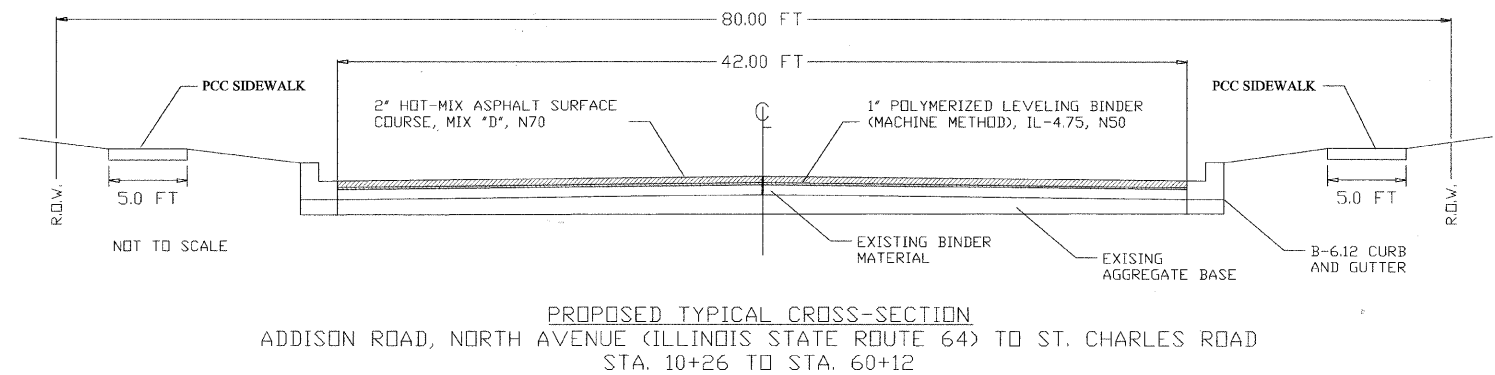
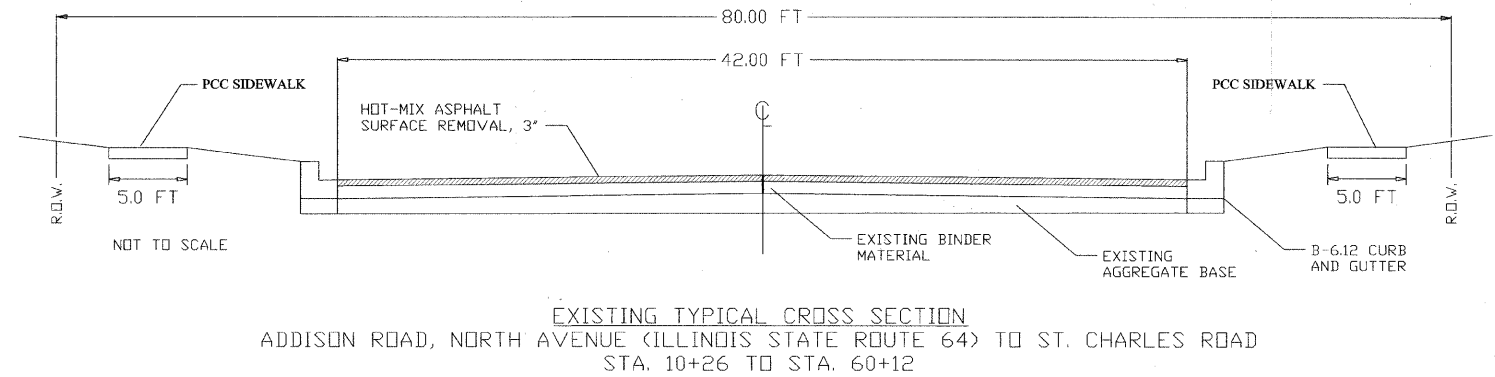
CONTRACTOR SHALL MILL BEFORE PATCHING

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS @ Ndes
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5 mm)	4% @ 70 Gyr.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	4% @ 50 Gyr.
CLASS D PATCHES, TYPE I-IV, 8 INCH (HMA BINDER IL-19 mm)	4% @ 70 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 "SBS/SBR PG 70-22" AND THE "AC TYPE" FOR NON-POLYMERIZED HMA MIXES SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT 1 SPECIAL PROVISIONS.

FOR "PERCENT OF RAP" SEE DISTRICT 1 SPECIAL PROVISIONS.



GENERAL NOTES

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGE OF VILLA PARK. BEFORE STARTING ANY EXCAVATING THE CONTRACTOR SHALL CONTACT "JULIE" AT (800) 892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE GAS, OR OTHER FACILITIES. (48 HOUR NOTIFICATION IS REQUIRED)

TEN FOOT (10') TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS AND GUTTERS AND MEDIANS IN THE FIELD, UNLESS OTHERWISE SHOWN, THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.

FULL DEPTH SAW CUT SHALL BE PERFORMED PRIOR TO REMOVAL OF COMBINATION CONCRETE CURB & GUTTER. FULL DEPTH SAW CUT SHALL BE INCLUDED IN THE COST OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT.

RESTORATION OF DRIVEWAYS, PARKWAYS, AND ALL OTHER AREAS ADJACENT TO INSTALLED CURB AND GUTTER SHALL BE INCLUDED IN THE COST OF COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT AND SHALL BE ACCORDING TO APPLICABLE SECTIONS OF THE STANDARD SPECIFICATIONS.

BARRICADES: THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SANDBAGS ON EACH TYPE I OR TYPE II BARRICADE USED. ONE (1) WEIGHTED SAND BAG SHALL BE USED ACROSS EACH BOTTOM RAIL.

WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED ONE AND ONE-HALF INCHES (1½") WHERE THE SPEED LIMIT IS FORTY-FIVE MILES PER HOUR (45 MPH) OR LESS AND ONE INCH (1") WHERE THE SPEED LIMIT IS GREATER THAN FORTY-FIVE MILES PER HOUR (45 MPH). WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF THREE INCHES (3") MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H).

ACCESS TO PRIVATE DRIVEWAYS SHALL BE PROVIDED AT ALL TIMES EXCEPT DURING ACTUAL CONSTRUCTION ADJACENT THERETO. TEMPORARY ACCESS RAMPS SHALL BE CONSTRUCTED AS NEEDED UTILIZING CRUSHED STONE, CRUSHED GRAVEL OR ASPHALT GRINDINGS. THIS WORKS SHALL BE CONSIDERED AS INCLUDED IN THE COST OF THE CONTRACT.

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 HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.

GENERAL NOTES - TRAFFIC

ALL CONSTRUCTION PERSONNEL WILL BE REQUIRED TO WEAR STRONG YELLOW/GREEN VESTS HAVING FLUORESCENT ORANGE STRIPES AND HARD HATS AT ALL TIMES WHILE ON THE CONSTRUCTION SITES. COMPLIANCE WITH THIS REQUIREMENT SHALL BE INCLUDED IN THE COST OF THE CONTRACT.



USER NAME =	DESIGNED - K. MANTELS	REVISED - K. MANTELS 09-25-09
FILE NAME = Addison N Resurfacing 2010.dwg	DRAWN - K. MANTELS	REVISED - K. MANTELS 10-23-09
PLOT SCALE = 20.0000' / IN.	CHECKED - R. SALERNO	REVISED - K. MANTELS 10-28-09
PLOT DATE = 10/28/2009	DATE - 08-21-2009	REVISED -

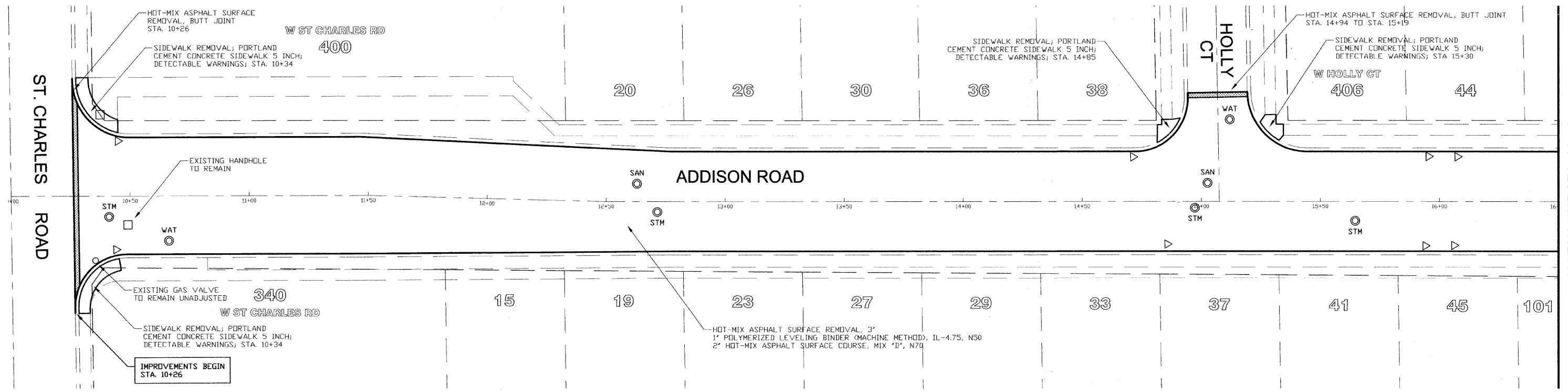
**VILLAGE OF VILLA PARK, ILLINOIS
FAU ROUTE 2642 (ADDISON ROAD)
LAPP RESURFACING**

GENERAL NOTES, SUMMARY OF QUANTITIES, HOT-MIX ASPHALT MIXTURES REQUIREMENTS CHART, TYPICAL SECTIONS

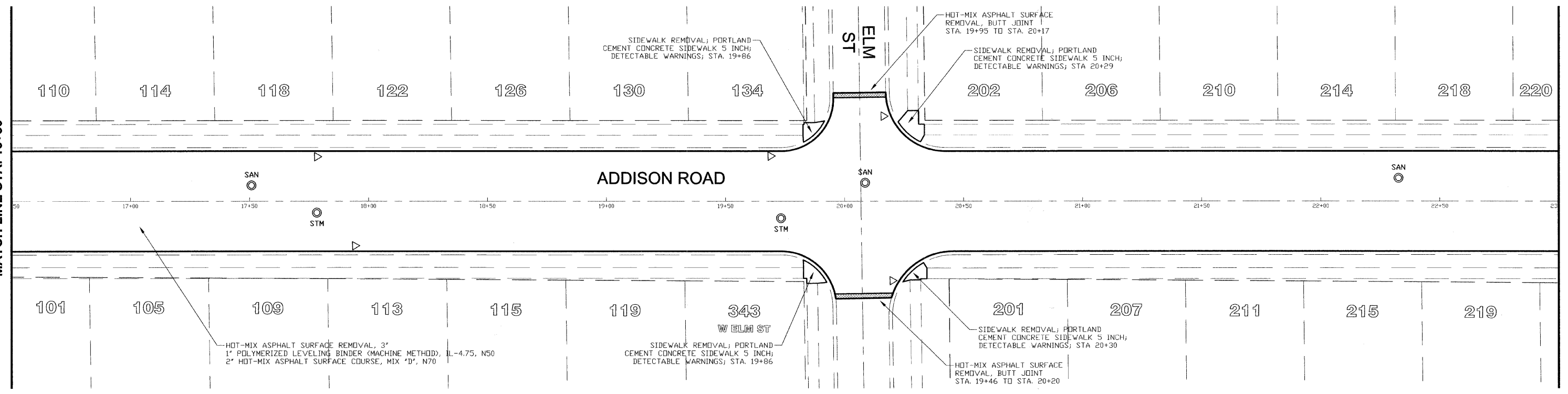
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
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FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63384	
			FED. AID PROJECT	

ADDISON ROAD - PROPOSED IMPROVEMENTS

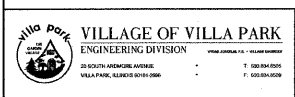
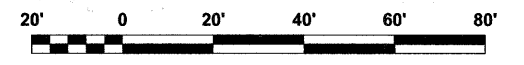


ADDISON ROAD - PROPOSED IMPROVEMENTS



- STRUCTURE TYPES**
- VALVE BOXES TO BE ADJUSTED (SPECIAL)
 - ⊙ FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)
 - △ INLET FILTERS
 - SAN ○ SANITARY STRUCTURE
 - STM ○ STORM STRUCTURE
 - WAT ○ WATER STRUCTURE

STRUCTURE TYPES ARE PROVIDED FOR INFORMATIONAL PURPOSES ONLY; CONTRACTOR WILL BE RESPONSIBLE FOR VERIFYING ACTUAL STRUCTURE TYPES IN THE FIELD AS NECESSARY



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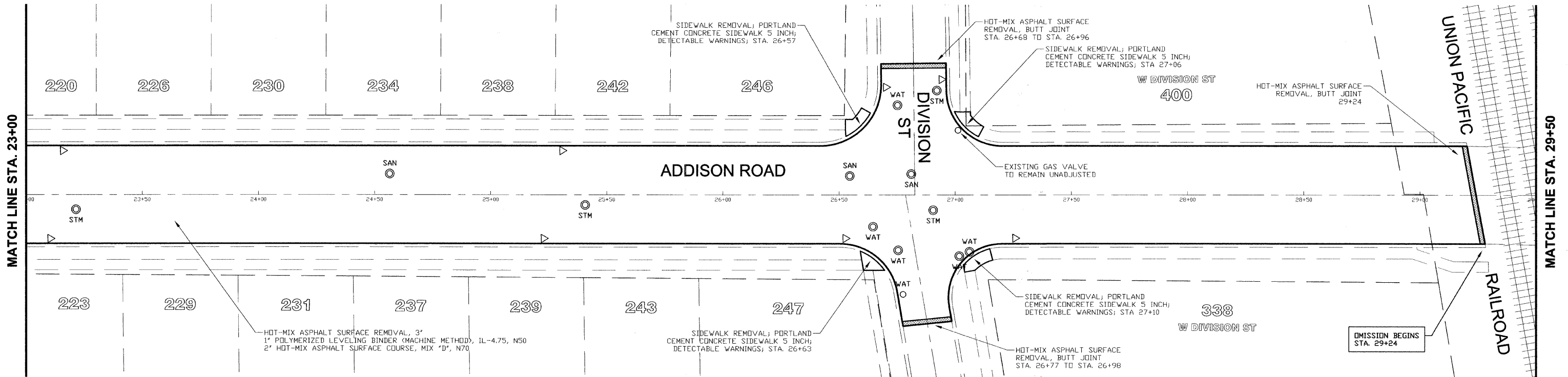
**VILLAGE OF VILLA PARK, ILLINOIS
FAU ROUTE 2642 (ADDISON ROAD)
LAPP RESURFACING**

RESURFACING PLAN

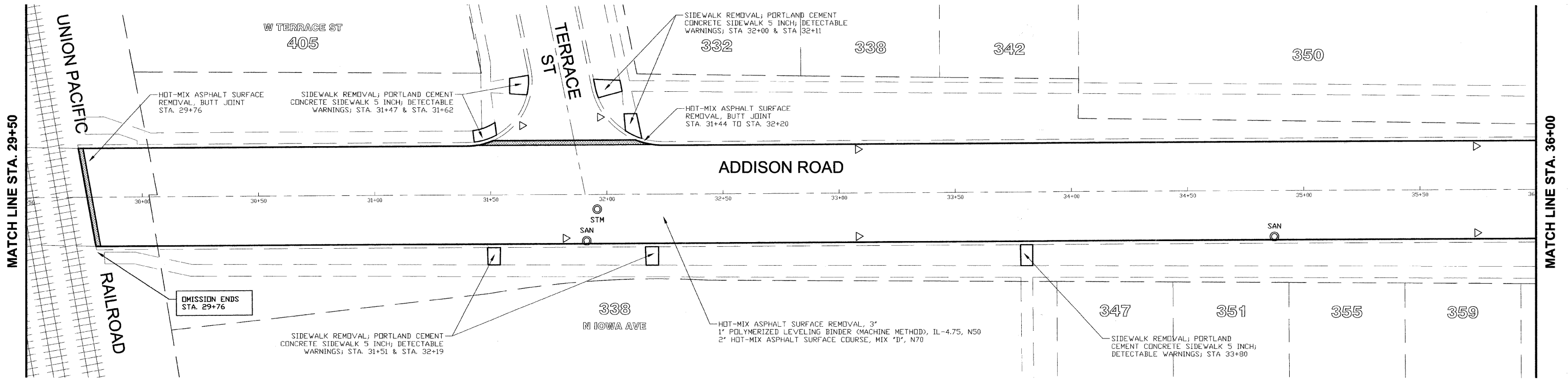
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			FED. AID PROJECT	

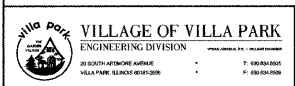
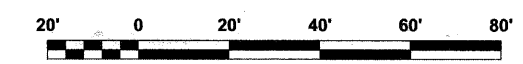
ADDISON ROAD - PROPOSED IMPROVEMENTS



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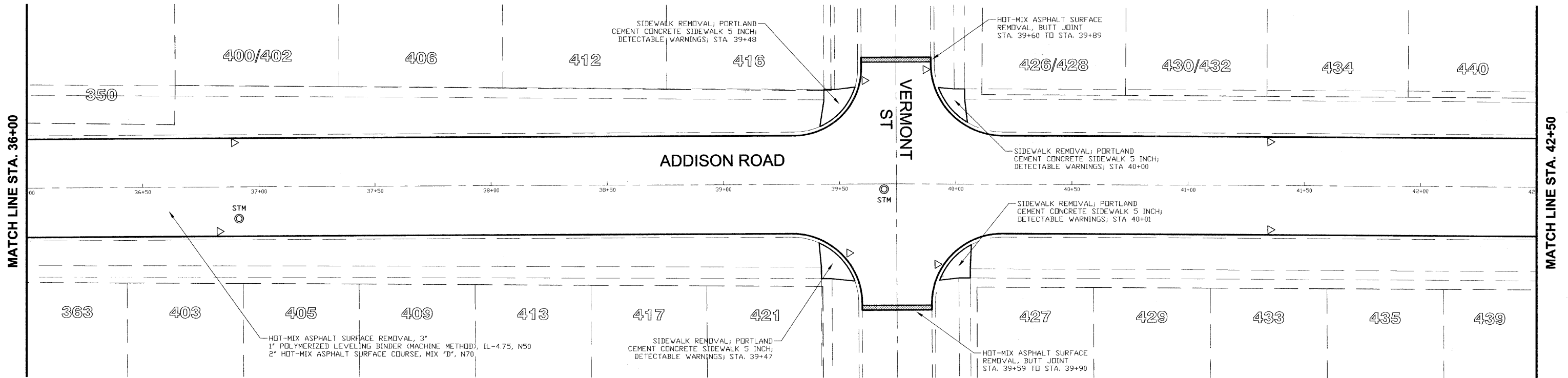
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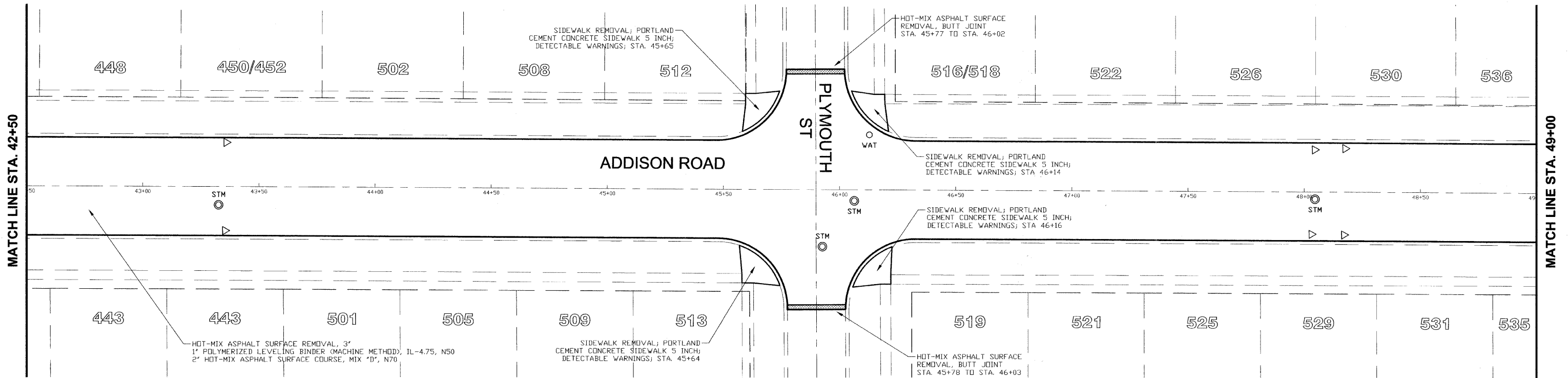
RESURFACING PLAN	
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FED. AID PROJECT				

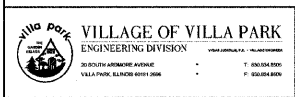
ADDISON ROAD - PROPOSED IMPROVEMENTS



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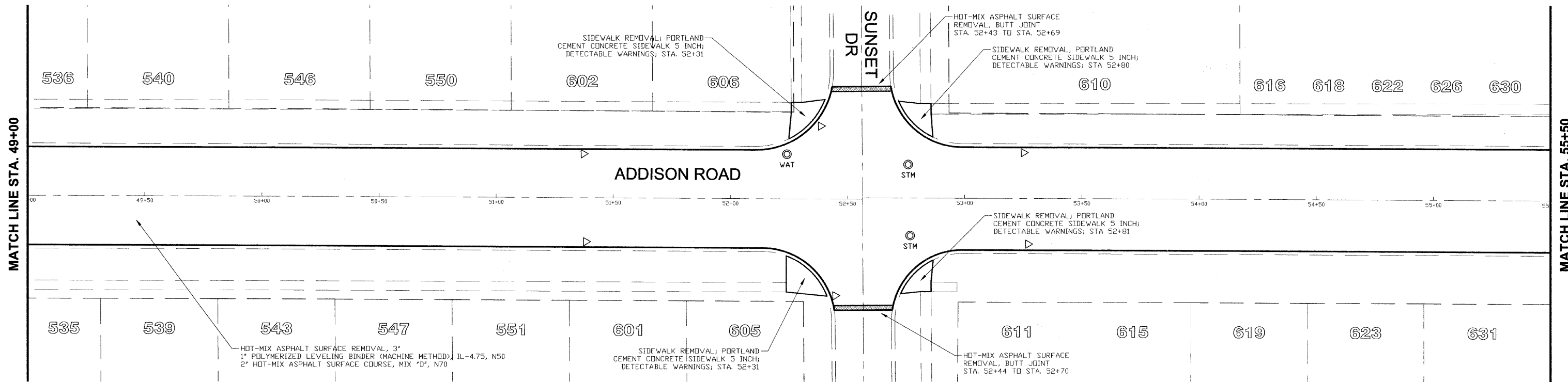
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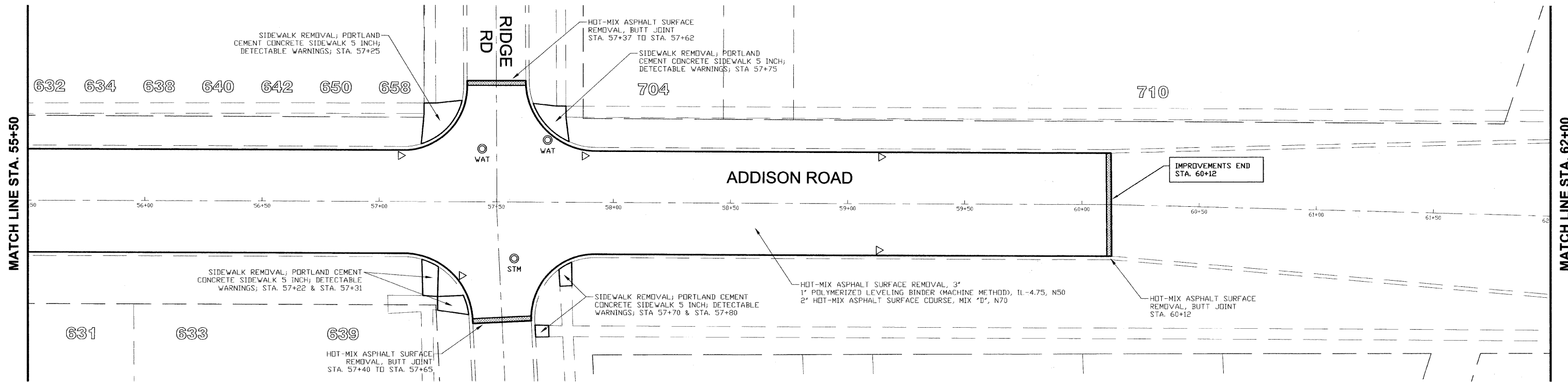
RESURFACING PLAN	
SCALE: 1" = 20'	SHEET NO. 3 OF 4 SHEETS
STA. 36+00	TO STA. 49+00

F.A. RTE. 2642	SECTION 09-00087-00-RS	COUNTY DUPAGE	TOTAL SHEETS 18	SHEET NO 05
FED. ROAD DIST. NO. 1		ILLINOIS	CONTRACT NO. 63384	
FED. AID PROJECT				

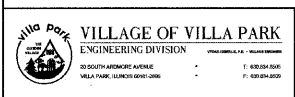
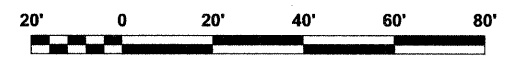
ADDISON ROAD - PROPOSED IMPROVEMENTS



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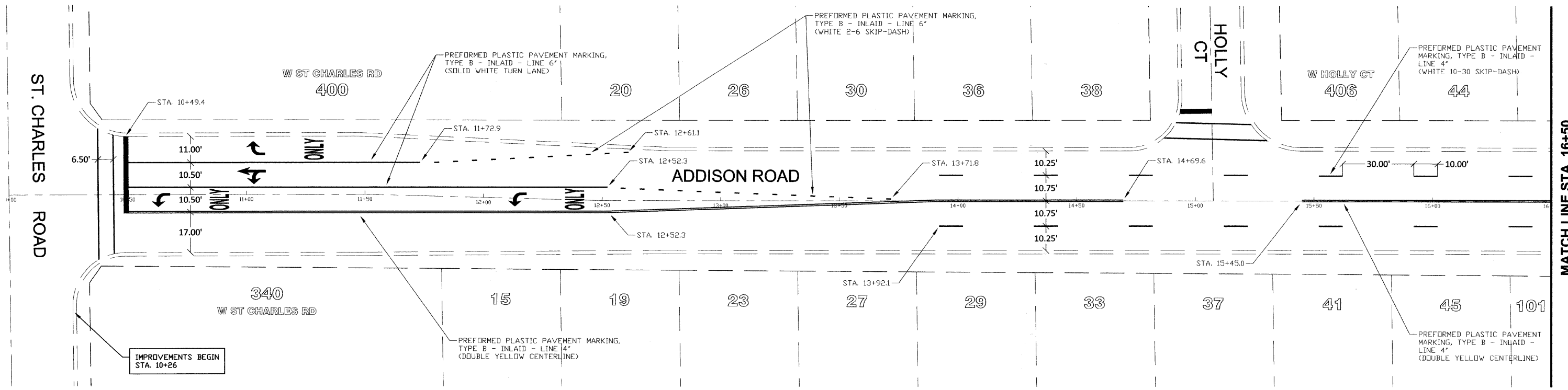
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FAU ROUTE 2642 (ADDISON ROAD)
LAPP RESURFACING**

RESURFACING PLAN

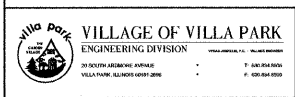
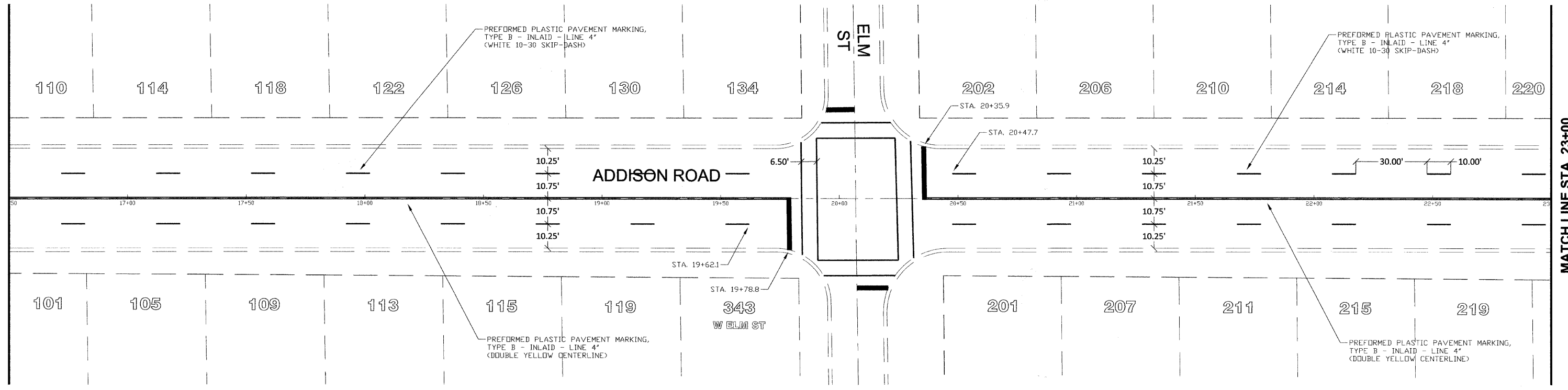
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2642	09-00087-00-RS	DUPAGE	18	06
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ADDISON ROAD - PROPOSED IMPROVEMENTS



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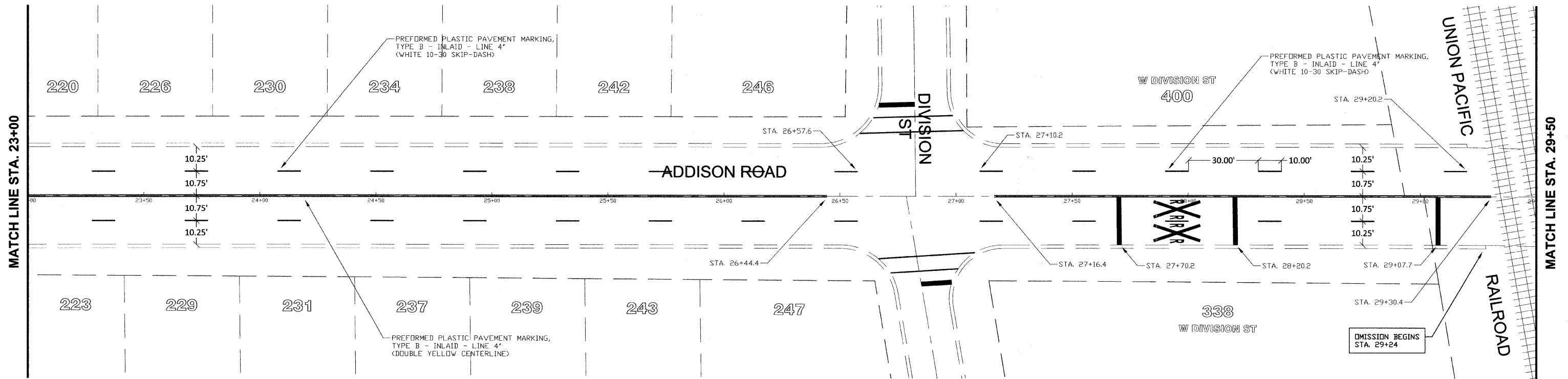
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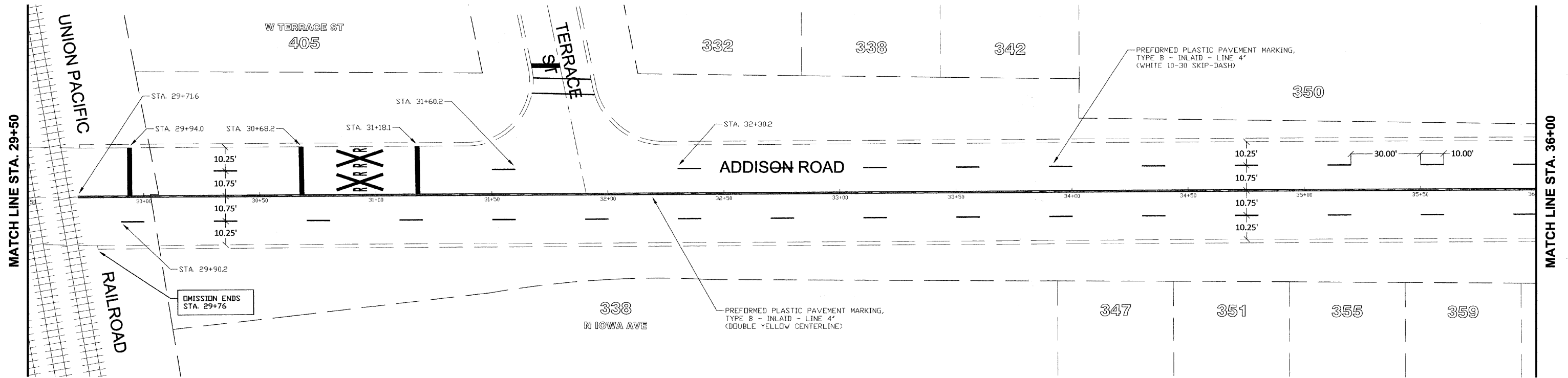
PAVEMENT MARKING PLAN		
SCALE: 1" = 20'	SHEET NO. 1 OF 4 SHEETS	STA. 10+00 TO STA. 23+00

F.A. RTE. 2642	SECTION 09-00087-00-RS	COUNTY DUPAGE	TOTAL SHEETS 18	SHEET NO 07
FED. ROAD DIST. NO. 1		ILLINOIS	CONTRACT NO. 63384	
FED. AID PROJECT				

ADDISON ROAD - PROPOSED IMPROVEMENTS



ADDISON ROAD - PROPOSED IMPROVEMENTS



USER NAME =	DESIGNED - K. MANTELS	REVISED - K. MANTELS 09-25-09
FILE NAME = Addison N Resurfacing 2010.dwg	DRAWN - K. MANTELS	REVISED - K. MANTELS 10-23-09
PLOT SCALE = 20.0000' / IN.	CHECKED - R. SALERNO	REVISED -
PLOT DATE = 10/26/2009	DATE - 08-21-2009	REVISED -

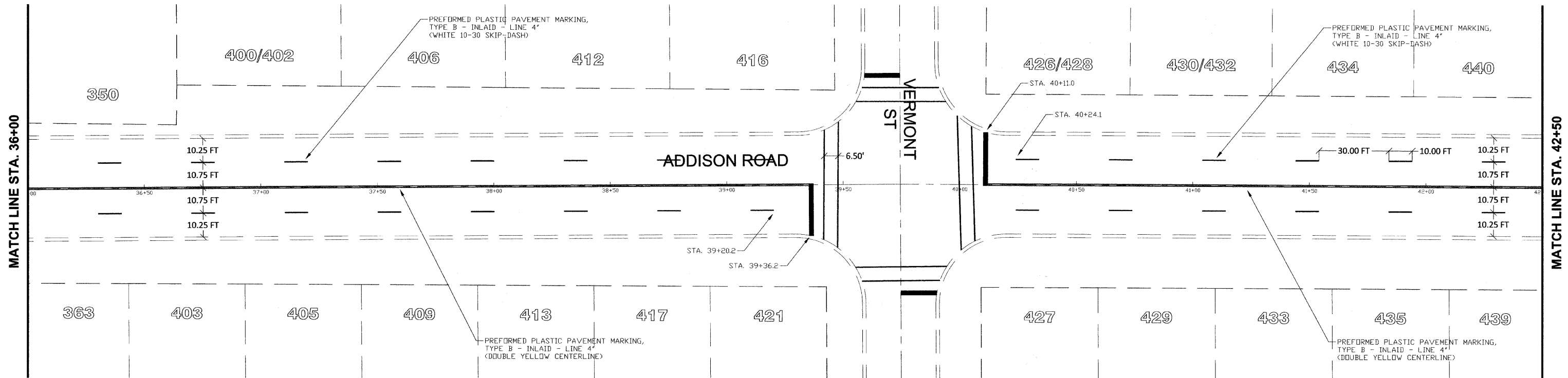
**VILLAGE OF VILLA PARK, ILLINOIS
FAU ROUTE 2642 (ADDISON ROAD)
LAPP RESURFACING**

PAVEMENT MARKING PLAN

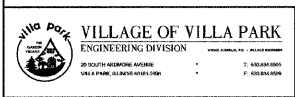
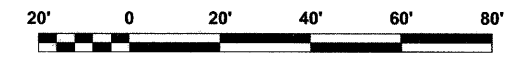
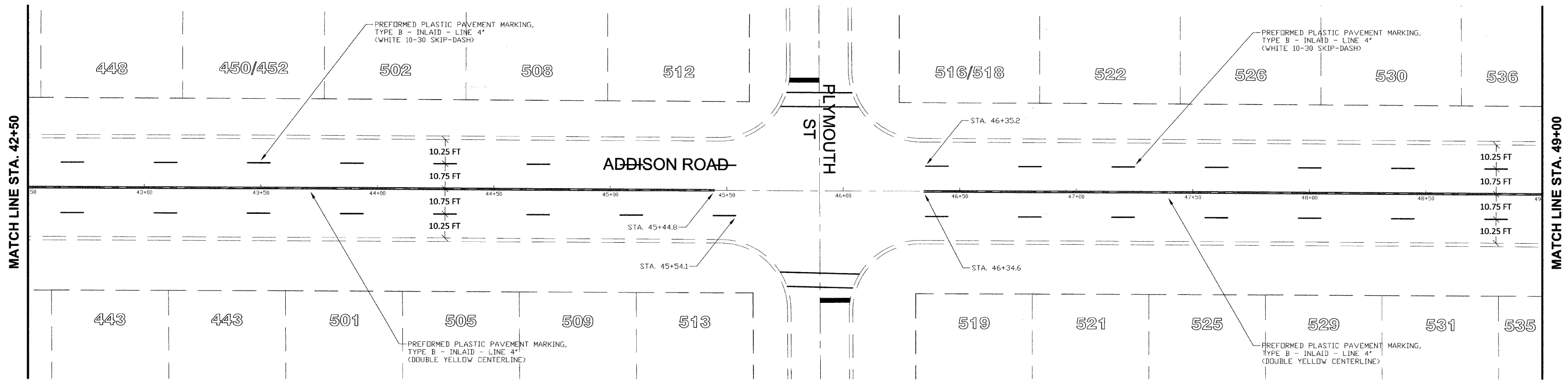
SCALE: 1" = 20' SHEET NO. 2 OF 4 SHEETS STA. 23+00 TO STA. 36+00

F.A. RTE. 2642	SECTION 09-00087-00-RS	COUNTY DUPAGE	TOTAL SHEETS 18	SHEET NO. 08
FED. ROAD DIST. NO. 1		ILLINOIS	CONTRACT NO. 63384	
FED. AID PROJECT				

ADDISON ROAD - PROPOSED IMPROVEMENTS



ADDISON ROAD - PROPOSED IMPROVEMENTS



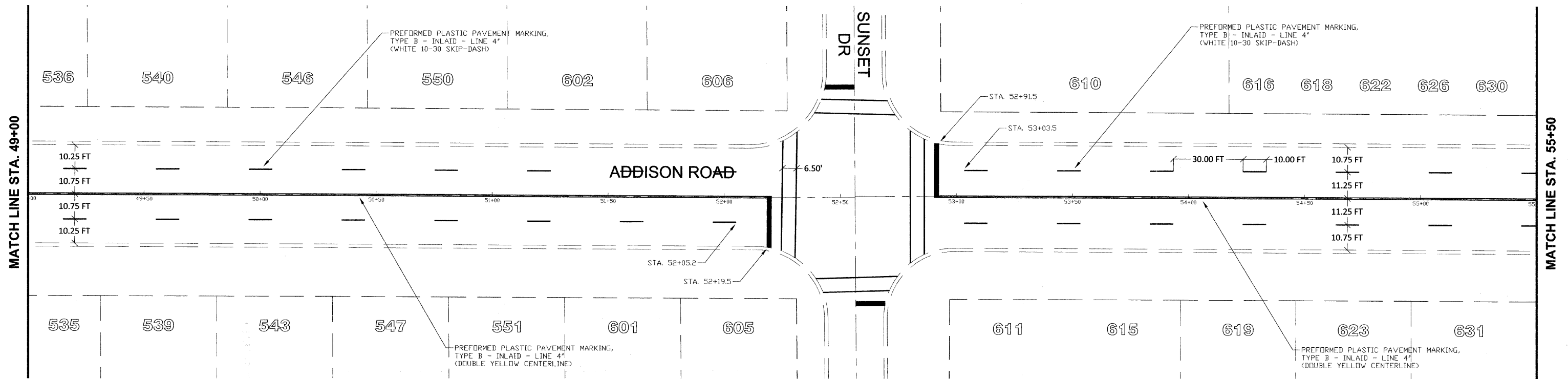
USER NAME =	DESIGNED - K. MANTELS	REVISED - K. MANTELS 09-25-09
FILE NAME = Addison N Resurfacing 2010.dwg	DRAWN - K. MANTELS	REVISED - K. MANTELS 10-23-09
PLOT SCALE = 20.0000' / IN.	CHECKED - R. SALERNO	REVISED -
PLOT DATE = 10/26/2009	DATE - 08-21-2009	REVISED -

**VILLAGE OF VILLA PARK, ILLINOIS
FAU ROUTE 2642 (ADDISON ROAD)
LAPP RESURFACING**

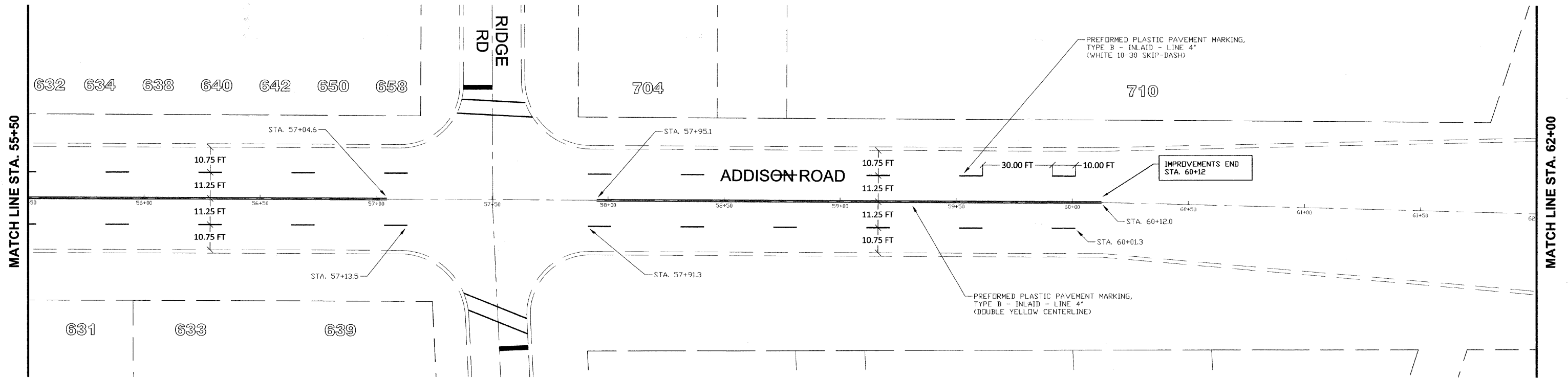
PAVEMENT MARKING PLAN	
SCALE: 1" = 20'	SHEET NO. 3 OF 4 SHEETS STA. 36+00 TO STA. 49+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2642	09-00087-00-RS	DUPAGE	18	09
FED. ROAD DIST. NO. 1		ILLINOIS	CONTRACT NO. 63384	
			FED. AID PROJECT	

ADDISON ROAD - PROPOSED IMPROVEMENTS



ADDISON ROAD - PROPOSED IMPROVEMENTS



USER NAME =
 FILE NAME = Addison N Resurfacing 2010.dwg
 PLOT SCALE = 20.0000' / IN.
 PLOT DATE = 10/26/2009

DESIGNED - K. MANTELS
 DRAWN - K. MANTELS
 CHECKED - R. SALERNO
 DATE - 08-21-2009

REVISED - K. MANTELS 09-25-09
 REVISED - K. MANTELS 10-23-09
 REVISED -
 REVISED -

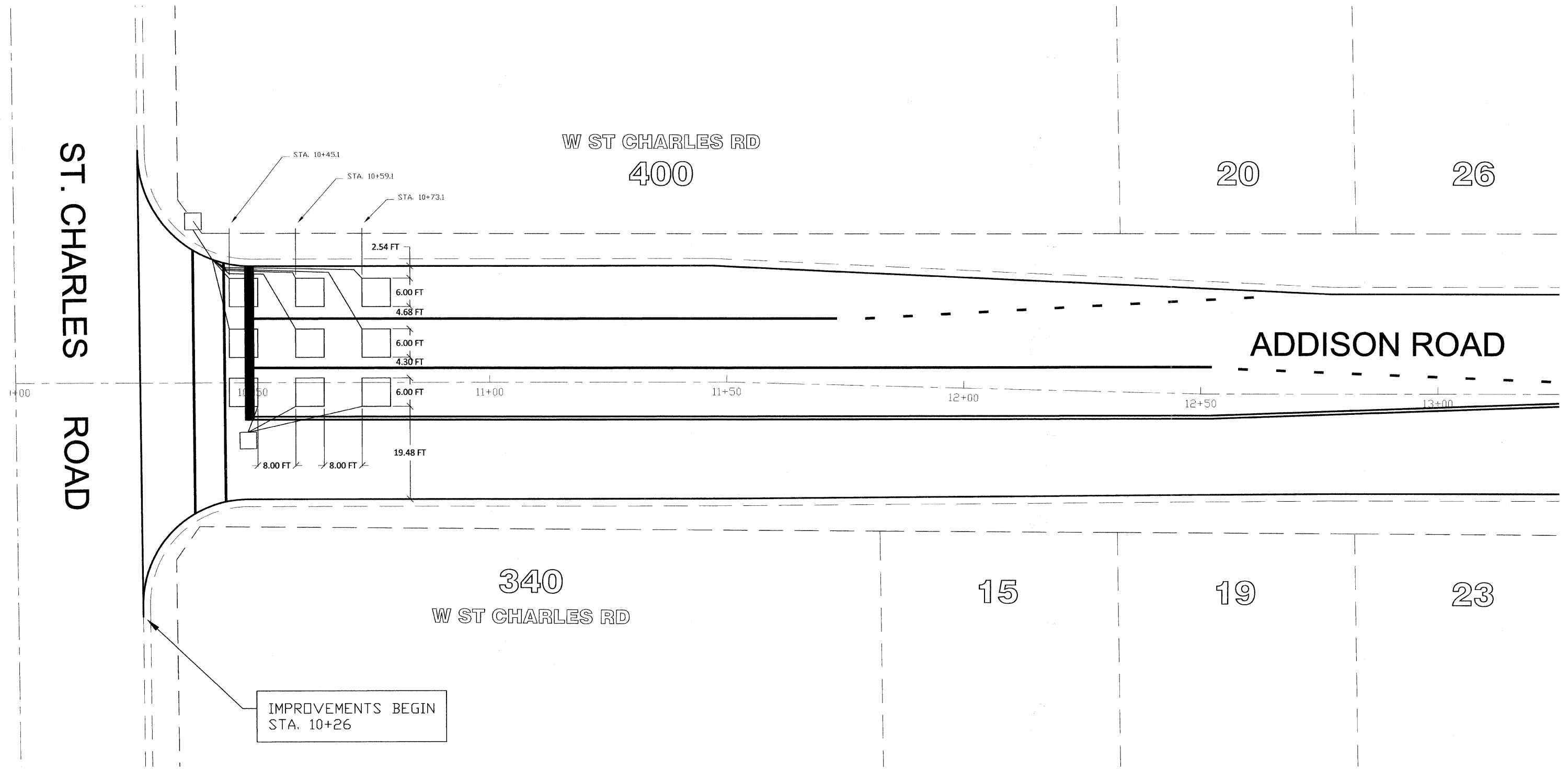
**VILLAGE OF VILLA PARK, ILLINOIS
 FAU ROUTE 2642 (ADDISON ROAD)
 LAPP RESURFACING**

PAVEMENT MARKING PLAN

SCALE: 1" = 20' | SHEET NO. 4 OF 4 SHEETS | STA. 49+00 TO STA. 62+00

F.A. RTE. 2642	SECTION 09-00087-00-RS	COUNTY DUPAGE	TOTAL SHEETS 18	SHEET NO. 10
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63384 FED. AID PROJECT	

ADDISON ROAD - PROPOSED DETECTOR LOOP REPLACEMENT



ST. CHARLES ROAD

W ST CHARLES RD
400

20 26

ADDISON ROAD

340
W ST CHARLES RD

15 19 23

IMPROVEMENTS BEGIN
STA. 10+26



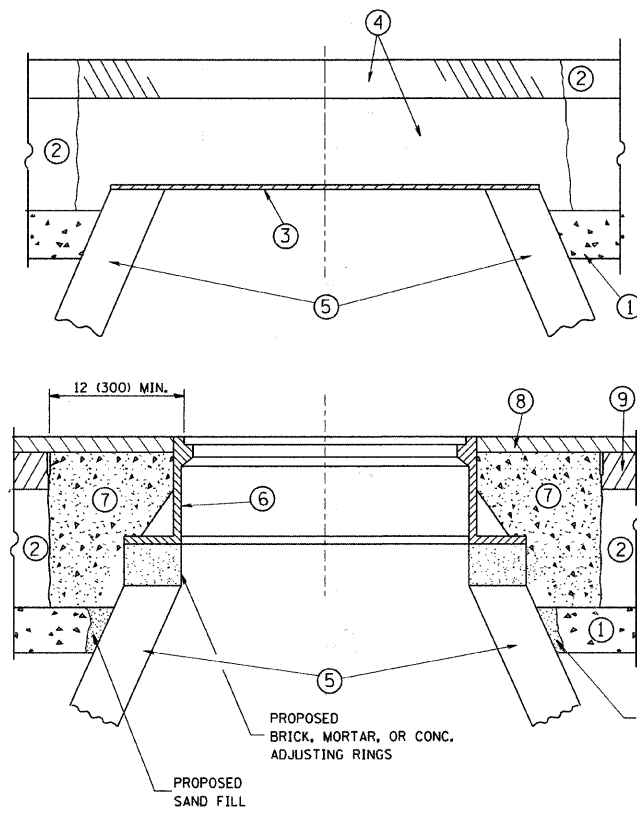
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FILE NAME = Addison N Resurfacing 2010.dwg	DRAWN - K. MANTELS	REVISED - K. MANTELS 10-23-09
PLOT SCALE = 20.0000' / IN.	CHECKED - R. SALERNO	REVISED -
PLOT DATE = 10/26/2009	DATE - 08-21-2009	REVISED -

VILLAGE OF VILLA PARK, ILLINOIS
FAU ROUTE 2642 (ADDISON ROAD)
LAPP RESURFACING

TRAFFIC SIGNAL DETECTOR LOOP REPLACEMENT PLAN	
SCALE: 1" = 10'	SHEET NO. 1 OF 1 SHEETS STA. 10+00 TO STA. 13+25

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2642	09-00087-00-RS	DUPAGE	18	11
FED. ROAD DIST. NO. 1		ILLINOIS	CONTRACT NO. 63384	
			FED. AID PROJECT	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2642	09-00087-00-RS	DUPAGE	18	12
STA.	NONE	TO STA.	NONE	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



CONSTRUCTION PROCEDURES

- STAGE 1 (BEFORE PAVEMENT MILLING)**
- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
 - B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
 - C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
 - D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.
- STAGE 2 (AFTER PAVEMENT MILLING)**
- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
 - B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
 - C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS SI CONCRETE, OR HMA SURFACE COURSE OR HMA BINDER COURSE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

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

LEGEND

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

NOTES:

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

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

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

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

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

LOCATION OF STRUCTURES:

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

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

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

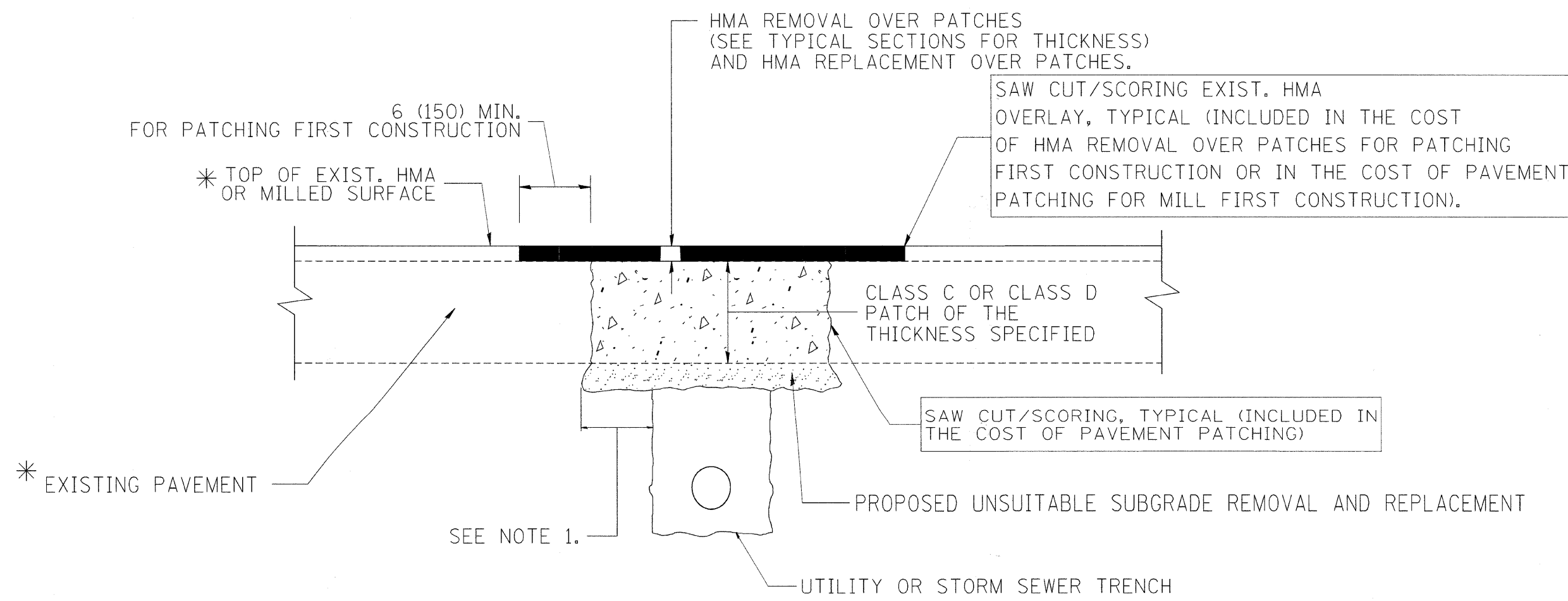
REVISIONS	
NAME	DATE
R. SHAH	10/25/94
R. SHAH	01/30/95
R. SHAH	03/10/95
A. ABBAS	03/21/97
R. WIEDEMAN	05/14/04
R. BORO	01/01/07

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

SCALE: VERT. NONE
HORIZ. NONE
DRAWN BY
CHECKED BY

PLOT DATE = 2/15/2007
FILE NAME = K:\classes\11\bd600.dgn
PLOT SCALE = 1/8" = 1'-0"
USER NAME = bauer-dl

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2642	09-00087-00-RS	DUPAGE	18	13
STA.	NONE	TO STA.	NONE	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

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

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

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

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4 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.

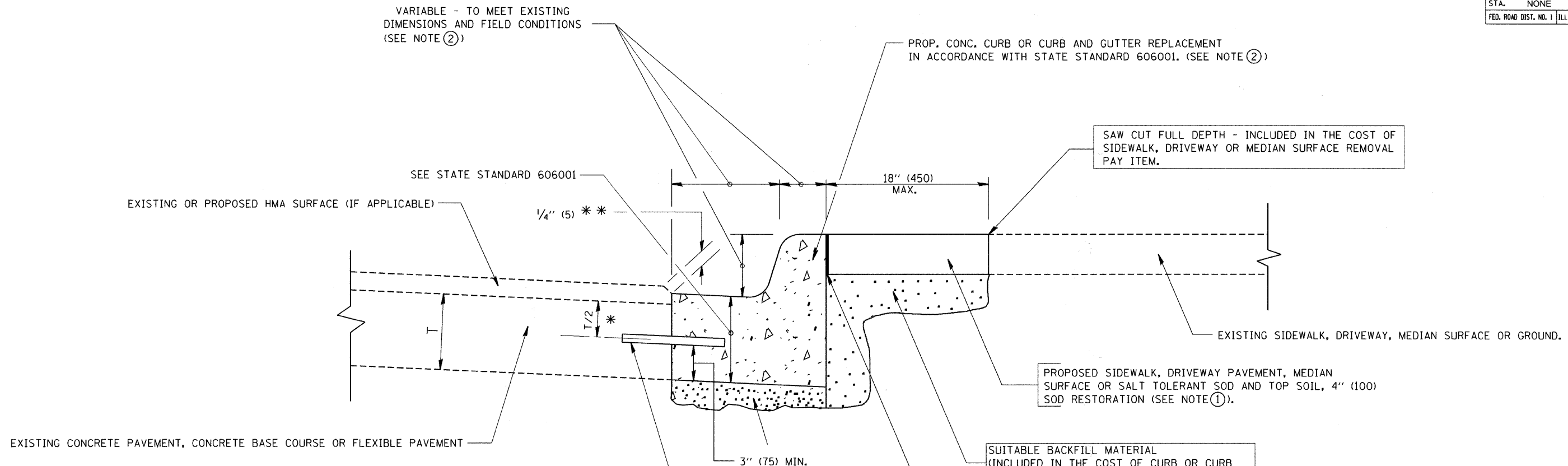
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

REVISIONS	
NAME	DATE
R. SHAH	01/14/95
R. SHAH	03/23/95
R. SHAH	04/24/95
A. HOUSEH	03/15/96
A. ABBAS	03/21/97
A. ABBAS	01/20/98
ART ABBAS	04/27/98
R. BORO	01/01/07
R. BORO	09/04/07
K. ENG	10/27/08

ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT
 SCALE: VERT. NONE
 HORIZ.
 DRAWN BY
 CHECKED BY
 BD400-04 (BD-22)

PLOT DATE = 10/27/2008
 FILE NAME = c:\pavement\adistatd24\36\bd22.dgn
 PLOT SCALE = 50.000' / 1"
 USER NAME = bbarcel

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2642	09-00087-00-RS	DUPAGE	18	14
STA.	NONE	TO STA.	NONE	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



- * 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.
- ** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

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

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

- ② CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.
- ③ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.
- ④ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.
- ⑤ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.
- ⑥ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.
- ⑦ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

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

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

REVISIONS	
NAME	DATE
A. HOUSEH	03/11/94
R. SHAH	02/24/95
R. SHAH	03/02/95
R. SHAH	08/19/96
R. SHAH	09/12/96
R. SHAH	09/19/96
R. SHAH	10/03/96
A. ABBAS	03/21/97
M. GOMEZ	01/22/01
R. BORO	01/01/07

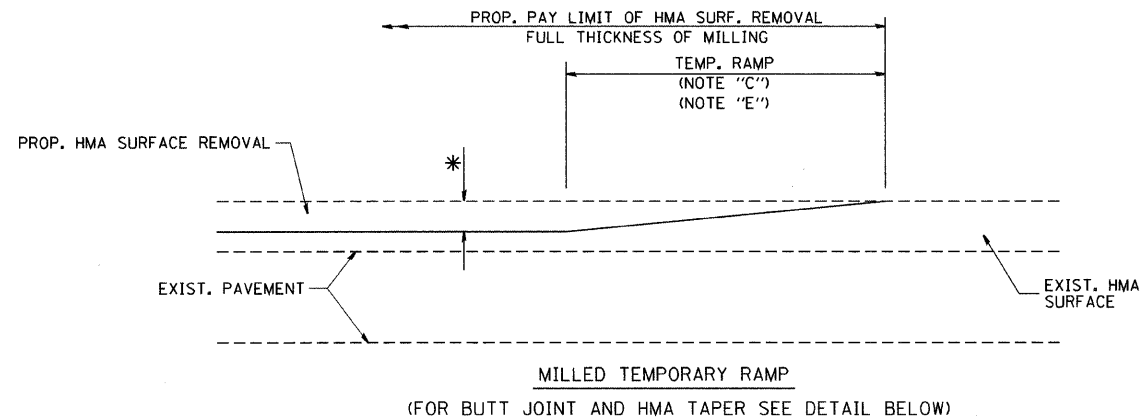
ILLINOIS DEPARTMENT OF TRANSPORTATION
 CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

SCALE: VERT. NONE
 HORIZ.
 DRAWN BY
 CHECKED BY
 BD600-06 (BD-24)

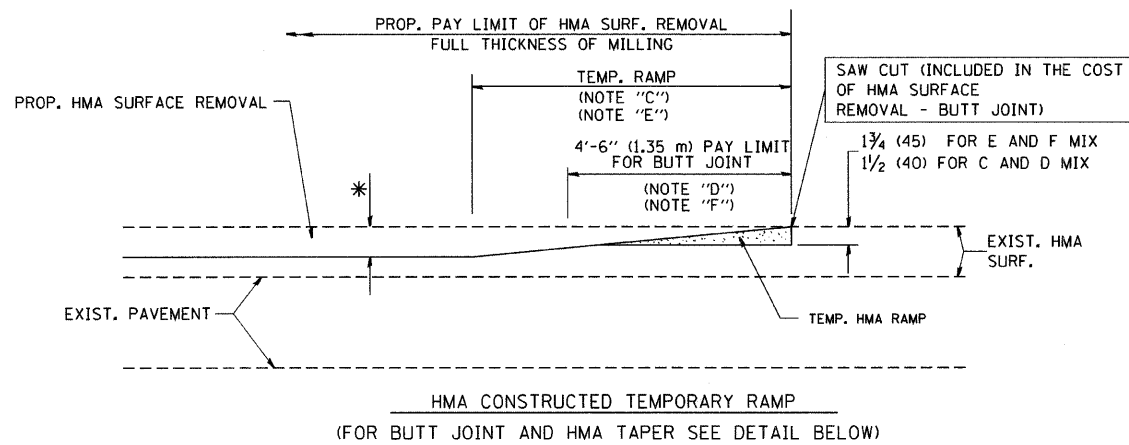
CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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 USER NAME = bborrd

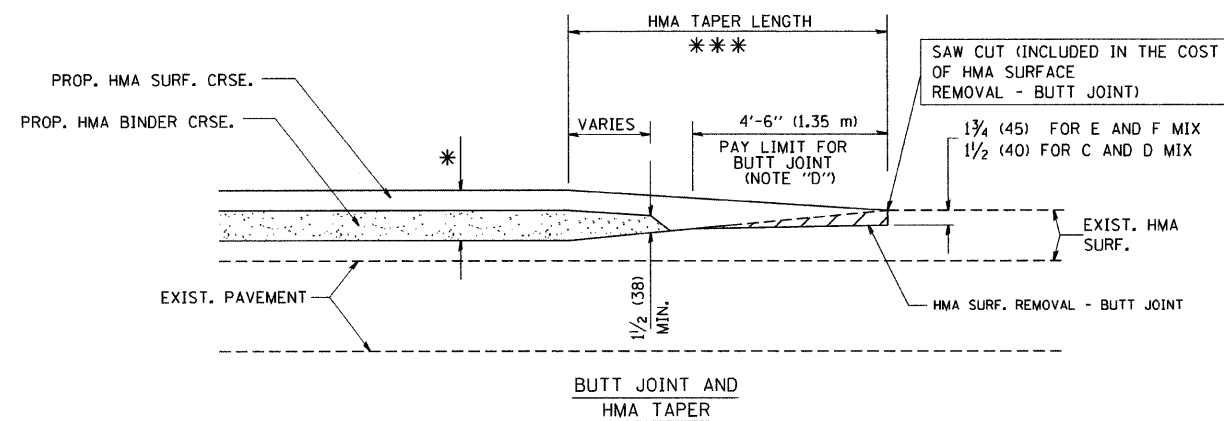
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2642	09-00087-00-RS	DUPAGE	18	15
STA.	NONE	TO STA.	NONE	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



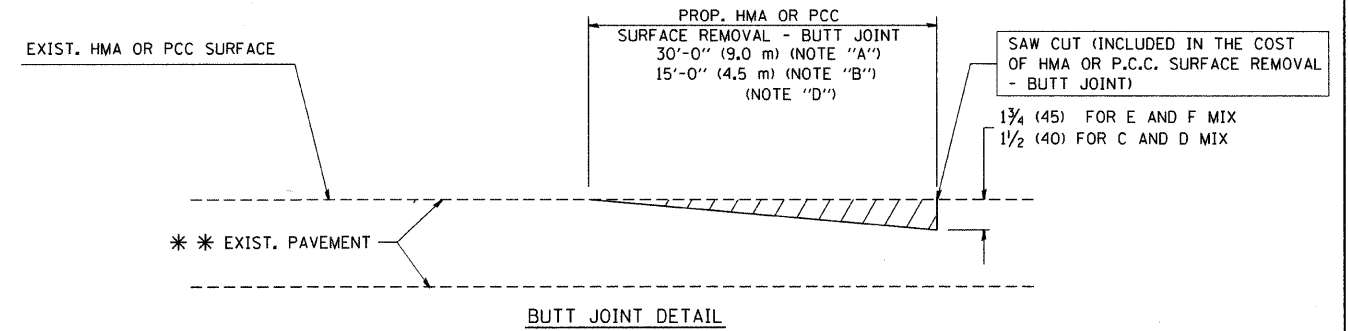
OPTION 1



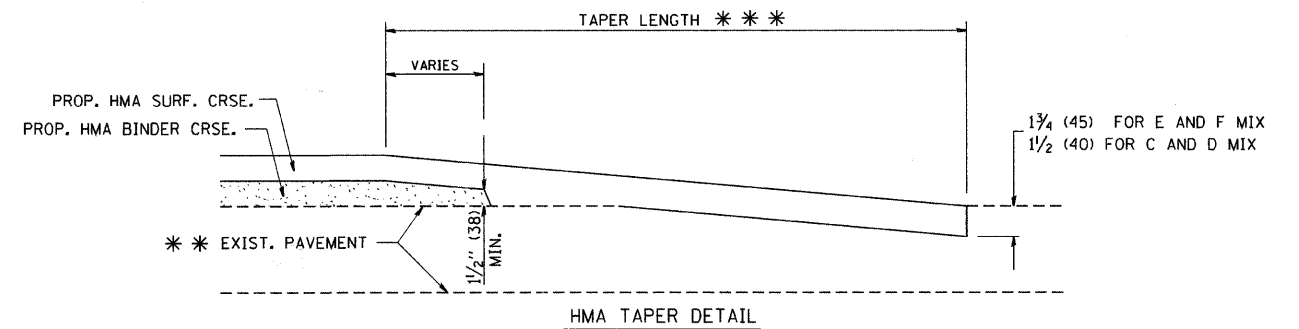
OPTION 2
TYPICAL TEMPORARY RAMP



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

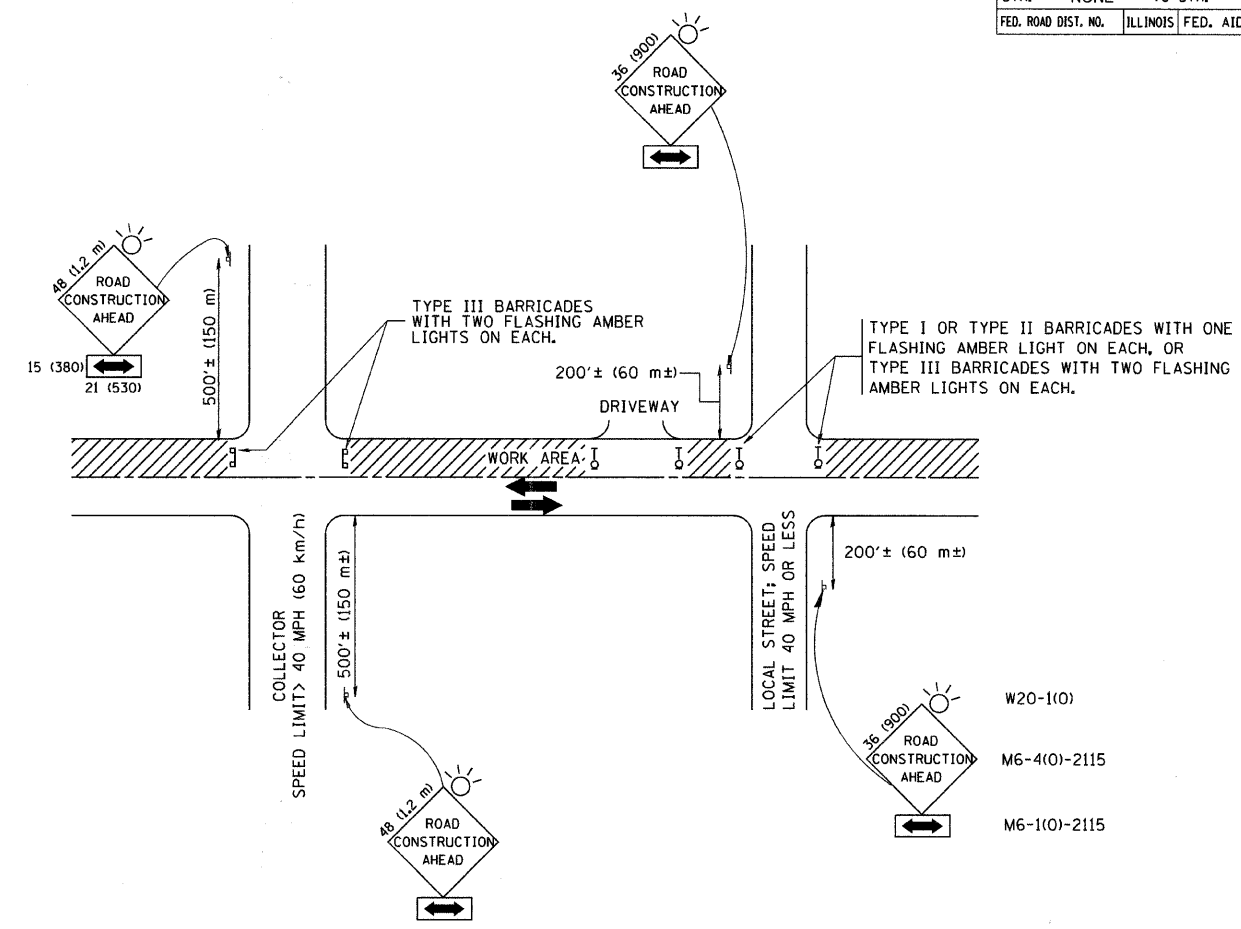
ILLINOIS DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAILS

SCALE: VERT. NONE
HORIZ. NONE

DRAWN BY
CHECKED BY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2642	09-00087-00-RS	DUPAGE	18	16
STA.	NONE	TO STA.	NONE	
FED. ROAD DIST. NO.	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**
- 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.
- 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.

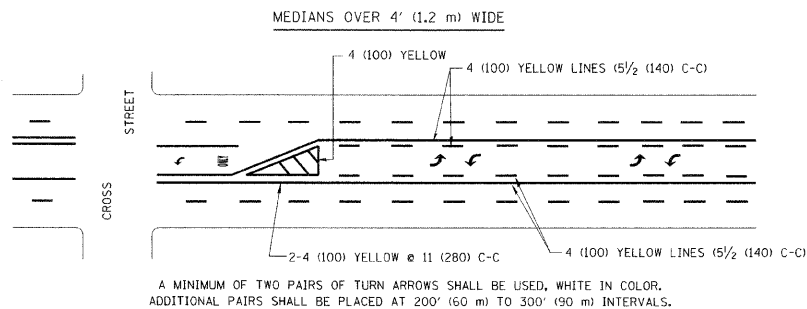
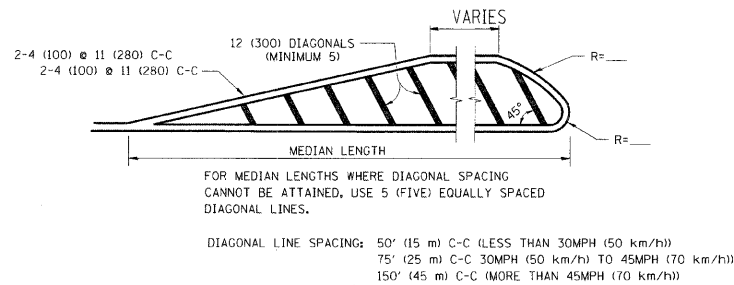
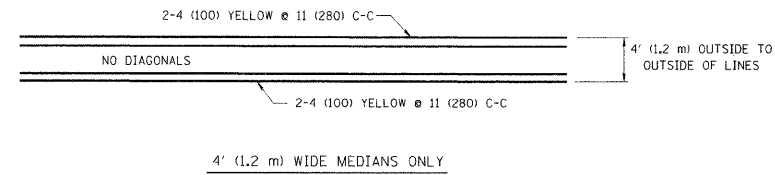
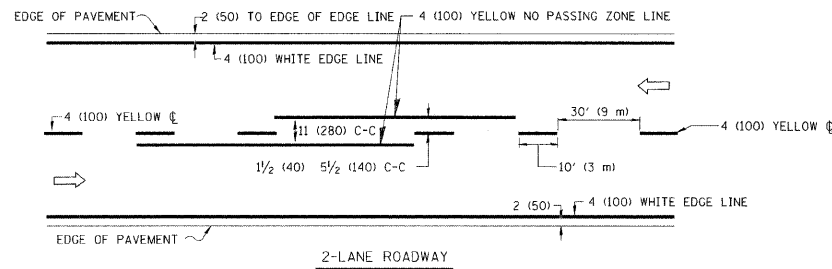
REVISIONS	
NAME	DATE
LHA	6/789
T. RAMMACHER	09/08/94
J. OBERLE	10/18/95
A. HOUSEH	03/06/96
A. HOUSEH	10/15/96
T. RAMMACHER	01/06/00

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

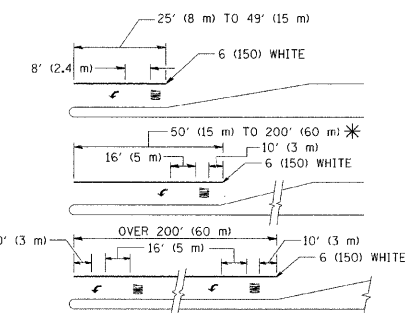
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 CHECKED BY
 TC-10

PLOT DATE = 2/6/2007
 FILE NAME = C:\Users\mcl08\pgr
 PLOT SCALE = 50.0000 / IN.
 USER NAME = bauer-dl

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2642	09-00087-00-RS	DUPAGE	18	17
STA.	NONE	TO STA.	NONE	
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



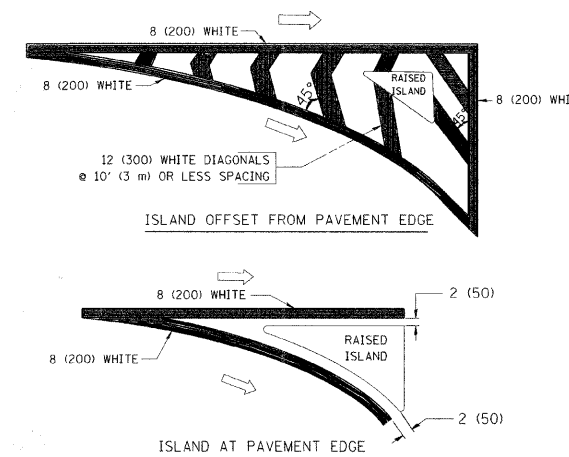
TYPICAL PAINTED MEDIAN MARKING



FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY 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 TURN LANE MARKING

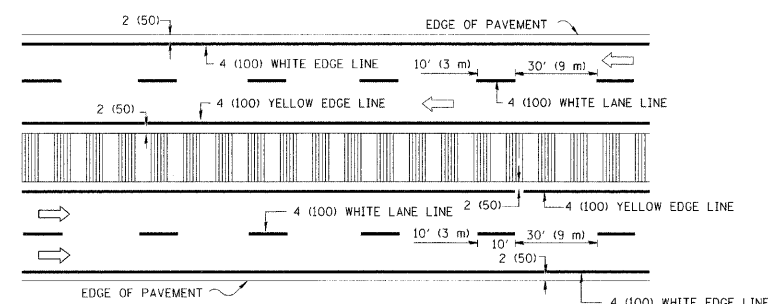
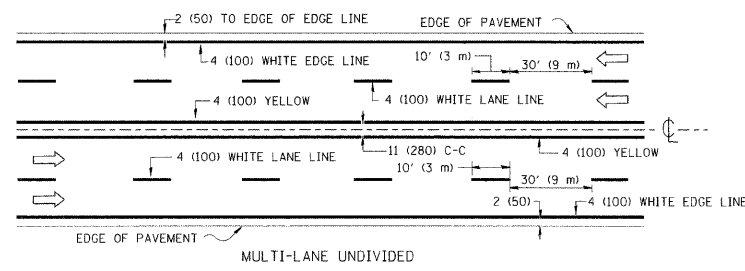


TYPICAL ISLAND MARKING

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	5/2 (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; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT, PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C (30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3,6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

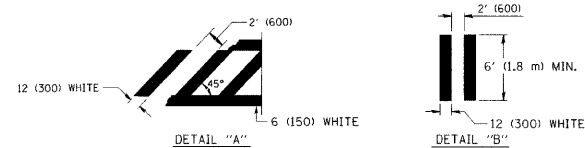
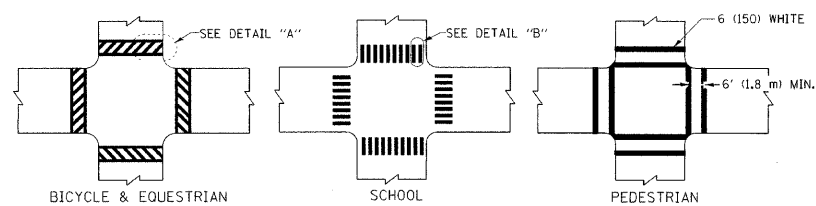
FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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



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

TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING

REVISIONS	
NAME	DATE
EVERS	03-19-90
T. RAMMACHER	10-27-94
C. JUCIUS	09-09-09

ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT
MARKINGS

SCALE: NONE

DRAWN BY CADD

CHECKED BY

TC-13

