

60829

FAU RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	1999-162 RS	COOK	48	1

D-91-415-99

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED HIGHWAY

FAU ROUTE 2943 (BURNHAM AVENUE)

SECTION: 1999-162 RS

170TH ST TO IL 83 & VARIOUS LOCATIONS SE COOK CO.

RESURFACING (MAINTENANCE)

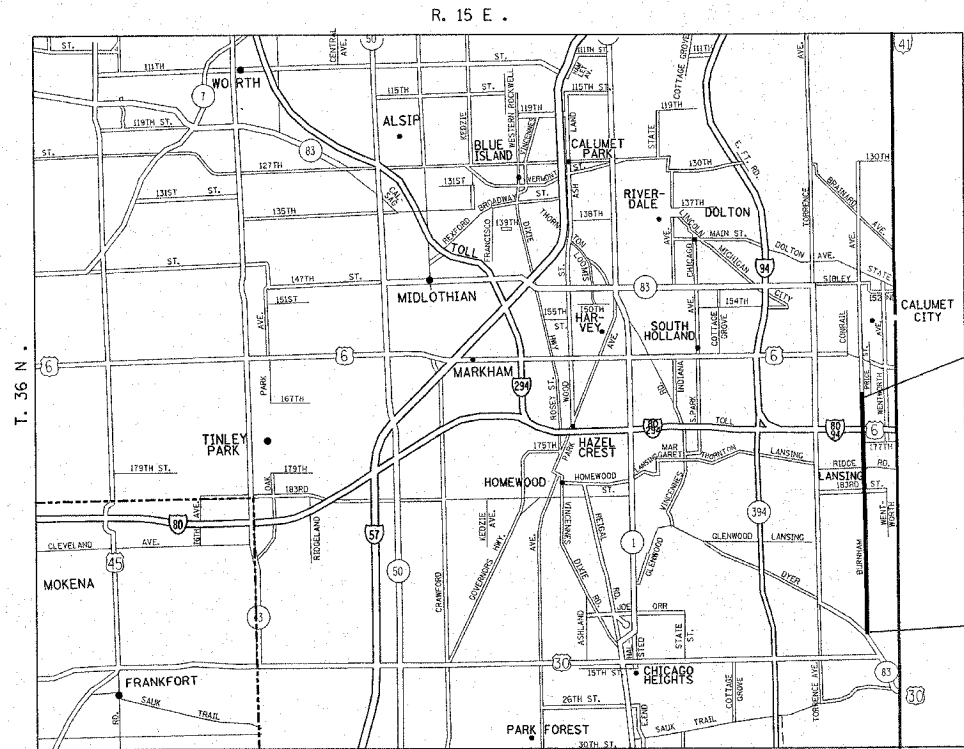
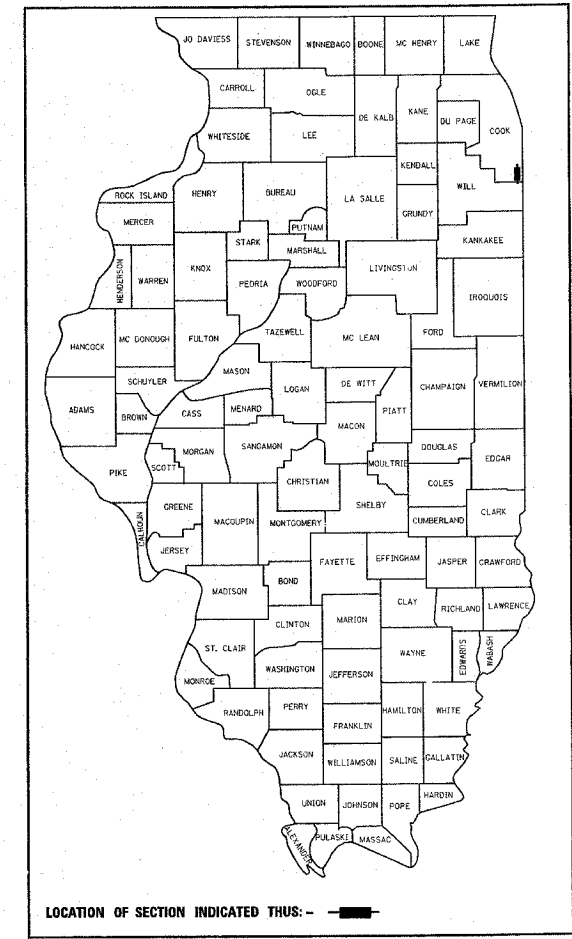
PROJECT: M-2943(015)

COOK COUNTY

C-91-415-99

FOR INDEX SHEETS, SEE SHEET NO. 2

PROJECT LOCATED IN
THE VILLAGES OF LANSING & LYNWOOD



PROJECT ENDS
STATION 264+18

OMMISSION
STA. 226+59.8 TO STA. 237+93.3
STA. 104+86.6 TO STA. 105+48.7

PROJECT BEGINS
STATION 0+00

TRAFFIC DATA :
2006 ADT = 8400-15400
POSTED SPEED LIMIT = 35-50 MPH

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED MARCH 19, 2008

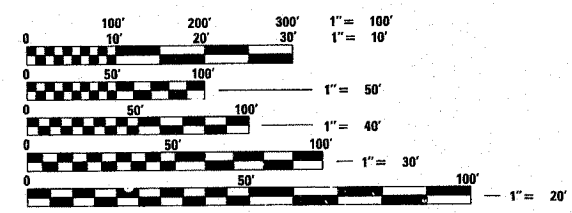
Diana M. O'Keefe
DEPUTY DIRECTOR OF HIGHWAY, REGION ENGINEER

May 9, 2008
Eric E. Herndl
ENGINEER OF DESIGN AND ENVIRONMENT

May 9, 2008
Christine M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY AUTHORITY OF THE
STATE OF ILLINOIS

GROSS LENGTH OF PROJECT = 41960.9 FT = 7.95 MILES
NET LENGTH OF PROJECT = 39260.8 FT = 7.44 MILES



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. 60829

DIST. 1 DESIGN - PLAN PREP ENGINEER / KEN ENG / ROBERT BORO (847) 705-4178

F.A.U. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	1999-162 RS	COOK	48	2
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
CONTRACT NO. 60829				

GENERAL NOTES

BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 OR 811 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOUR NOTIFICATION IS REQUIRED)

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.

WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES (40 MM) WHERE THE SPEED LIMIT IS 40 MPH (80 KM/H) OR LESS AND 1 INCH (25 MM) WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH (80 KM/H). WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES (75 MM) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H).

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.

UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURE AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS, OVERNIGHT CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING.

THE RESIDENT ENGINEER SHALL CONTACT MS. PATRICE HARRIS AREA TRAFFIC FIELD ENGINEER AT (708) 597-9800 A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKING.

THE RESIDENT ENGINEER SHALL VERIFY THE LOCATIONS OF ALL EXISTING PAVEMENT MARKINGS PRIOR TO MILLING OR RESURFACING.

PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS ON ALL FINAL SURFACES. THE COST OF THE PAVEMENT MARKING TAPE, TYPE III AND ITS REMOVAL SHALL BE INCLUDED IN THE COST OF SHORT TERM PAVEMENT MARKING.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HRS IN ADVANCE OF BEGINNING WORK

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.

THE PROPOSED HOT-MIX ASPHALT RESURFACING SHALL BE TAPERED OUT AT A RATE OF TWENTY (20) FEET PER INCH OF THICKNESS AT MAINLINE AND MAJOR SIDE SIDE STREET LOCATIONS, EXCEPT WHERE BUTT JOINTS ARE INDICATED. AT MINOR STREETS AND ENTRANCES, TAPER OUT IN TEN (10) FEET EXCEPT WHERE BUTT AT SEAL COATED STREETS AND ENTRANCES, TAPER OUT IN THREE (3) FEET UNLESS OTHERWISE SHOWN ON THE PLANS.

DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

THE REMOVAL OF ALL HOT-MIX ASPHALT IN THE GUTTER FLAG SHALL BE INCLUDED IN THE COST OF HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"

LIST OF STANDARDS

INDEX OF SHEET

SHEET NO.

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46	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC FOR TRAFFIC STAGING
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442201-03	CLASS C AND D PATCHES
604001-02	FRAME AND LIDS, TYPE 1
604091-01	FRAME AND GRATES, TYPE 24
606001-03	CONCRETE CURB TYPE B AND COMB. CONCRETE CURB AND GUTTER
701201-02	LANE CLOSURE, 2L, 2W, DAY ONLY ON-ROAD TO 600 MM (24") OFF-ROAD FOR SPEEDS ≥ 45 MPH
701301-02	LANE CLOSURE, 2-L,2-W, SHORT TIME OPERATIONS
701306-01	LANE CLOSURE, 2-L,2-W SLOW MOVING OPERATIONS- DAY ONLY FOR SPFEDS ≥ 45
701311-02	LANE CLOSURE, 2-L,2-W MOVING OPERATION- DAY ONLY
701501-04	URBAN LANE CLOSURE 2L, 2W UNDIVIDED
701606-05	URBAN LANE CLOSURE, MULTILANE, 2W, WITH MOUNTABLE MEDIAN
701701-05	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901	TRAFIC CONTROL DEVICE

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		INDEX OF SHEETS, LIST OF STATE STANDARDS AND GENERAL NOTES

SCALE: VERT.
HORIZ.
DATE 4/14/2008

DRAWN BY
CHECKED BY

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	1999-162 RS	COOK	48	3
FED. ROAD DIST. NO. 1		ILLINOIS	HIGHWAY PROJECT	

SUMMARY OF QUANTITIES			URBAN 80% FED. 20% STATE		CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	I000					
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	54.8	54.8					
40600300	AGGREGATE (PRIME COAT)	TON	274	274					
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	41	41					
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	172	172					
40600895	CONSTRUCTING TEST STRIP	EACH	1	1					
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1117	1117					
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	397	397					
40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	985	985					
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	11518	11518					
42001300	PROTECTIVE COAT	SQ YD	330	330					
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	261	261					
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	134440	134440					
44001700	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	990	990					
44002223	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 5 3/4"	SQ YD	1956	1956					
44201753	CLASS D PATCHES, TYPE II, 9 INCH	SQ YD	1444	1444					
44201757	CLASS D PATCHES, TYPE III, 9 INCH	SQ YD	512	512					
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	665	665					
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	96	96					
60300310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	79	79					
60404940	FRAMES AND GRATES, TYPE 23	EACH	10	10					
60404950	FRAMES AND GRATES, TYPE 24	EACH	15	15					
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	15	15					
60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	15	15					
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6					
67100100	MOBILIZATION	L SUM	1	1					

SUMMARY OF QUANTITIES			URBAN 80% FED. 20% STATE		CONSTRUCTION TYPE CODE				
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	I000					
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1					
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1					
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1					
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1					
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1					
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	4	4					
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	19776	19776					
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	450	450					
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	55045	55045					
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	1228	1228					
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	3072	3072					
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	580	580					
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	450	450					
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	55045	55045					
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1228	1228					
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	3072	3072					
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	580	580					
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	1344	1344					
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1344	1344					
* 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1	1					
* 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	718	718					

* SPECIALTY ITEMS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES

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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	1999-162 RS	COOK	48	4
FED. ROAD DIST. NO. 1		ILLINOIS	HIGHWAY PROJECT	

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	I000					
* 88500100	INDUCTIVE LOOP DETECTOR	EACH	2	2					
* 88600100	DETECTOR LOOP, TYPE I	FOOT	62	62					
* 88600600	DETECTOR LOOP REPLACEMENT	FOOT	774	774					
X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	565.4	565.4					
X4067107	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	5400	5400					
X4400100	PORTLAND CEMENT CONCRETE SURFACE REMOVAL (VARIABLE DEPTH)	SQ YD	150	150					
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1					
© 20076600	TRAINEES	HOURL	2000	2000					

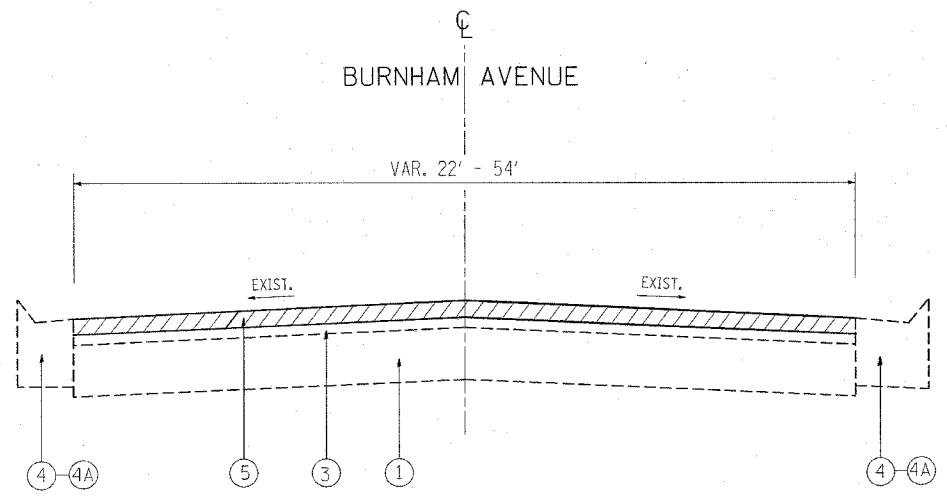
SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE					
CODE NO	ITEM	UNIT	TOTAL QUANTITIES						

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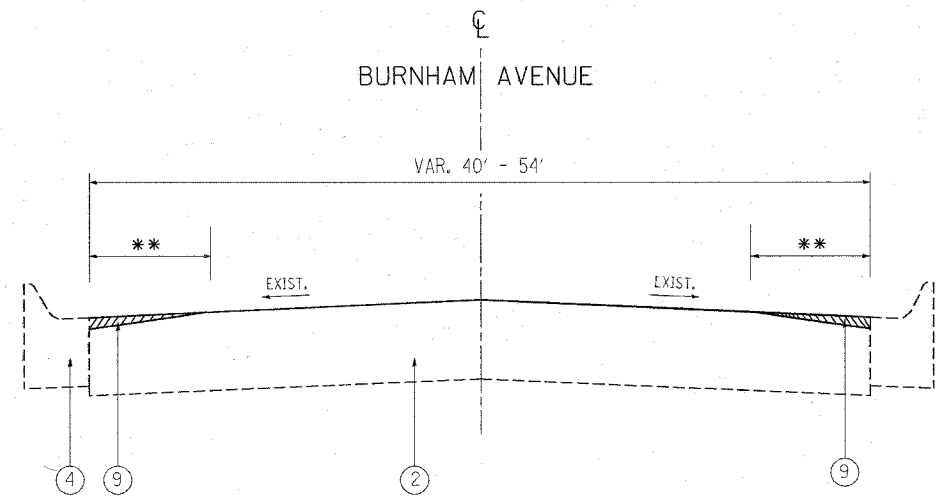
* SPECIALTY ITEMS
© Y080

REVISIONS	
NAME	DATE

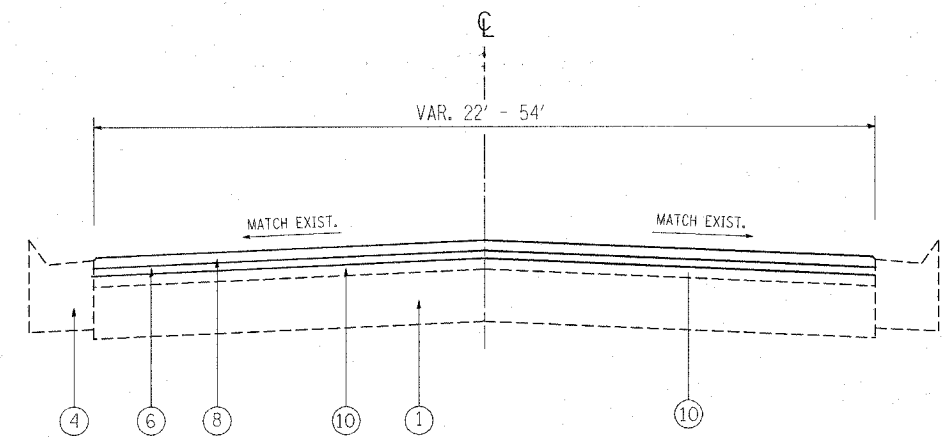
ILLINOIS DEPARTMENT OF TRANSPORTATION
SUMMARY OF QUANTITIES



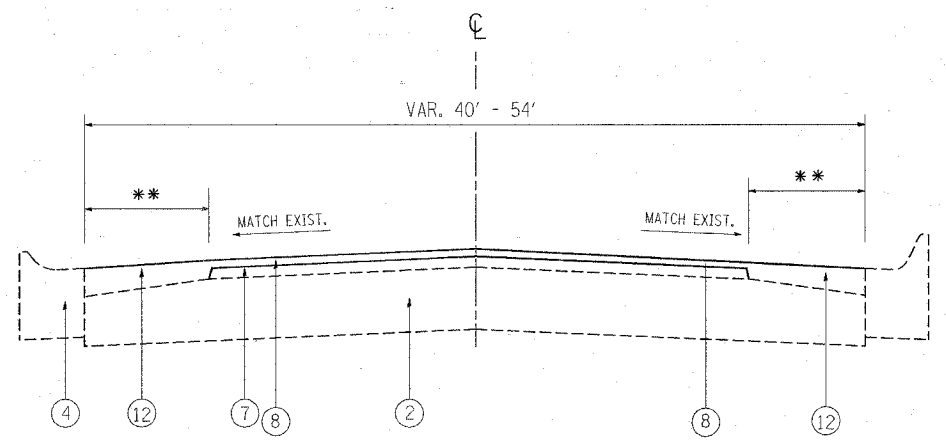
**BURNHAM AVE.
EXIST. TYPICAL SECTION**
STA. 96+00 TO STA. 225+79.5
STA. 226+59.8 TO STA. 264+18



**BURNHAM AVE.
EXIST. TYPICAL SECTION**
STA. 225+79.5 TO STA. 226+59.5
STA. 60+68.6 TO STA. 66+46.5 (VAN DAM RD.)



**BURNHAM AVE.
PROP. TYPICAL SECTION**
STA. 96+00 TO STA. 225+79.5
STA. 226+59.8 TO STA. 264+18



**BURNHAM AVE.
PROP. TYPICAL SECTION**
STA. 225+79.5 TO STA. 226+59.5
STA. 60+68.6 TO STA. 66+46.5 (VAN DAM RD.)

LEGEND

- ① EXIST. P.C.C. BASE (9")
- ② EXISTING P.C. C. CONCRETE PAVEMENT (10")
- ③ EXIST. HOT-MIX ASPHALT AFTER MILLING 5 3/4"
- ④A EXIST. AGGREGATE SHOULDER
- ④ EXIST. COMB. CONC. CURB & GUTTER, TYPE B-6.12 OR B-6.18
- ④A EXIST. HOT-MIX ASPHALT SHOULDER (STA. 95+20 TO 116+00)
- ⑤ PROP. HMA SURFACE REMOVAL, 2 1/4 "
- ⑥ PROP. POLY. LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4 "
- ⑦ PROP. LEVELING BINDER (MACHINE METHOD), N70 ,1"
- ⑧ PROP. HMA SURFACE COURSE MIX D, N70, 1 1/2 "
- ⑨ PROP. PORTLAND CEMENT CONCRETE SURFACE REMOVAL, (VARIABLE DEPTH) [0 TO 1 1/4"]
- ⑩ HMA OVERLAY AFTER MILLING
- ⑪ PROP. HMA SURFACE REMOVAL (VARIABLE DEPTH) [1/2" TO 1 1/2 "]
- ⑫ PROP. HMA SURFACE COURSE MIX D, N70 (VARIABLE DEPTH) [2 1/2" TO 1 1/2 "]
- ⑬ PROP. AGGREGATE WEDGE SHOULDER, TYPE B

MIXTURE REQUIREMENTS

MIXTURE USES	AC TYPE	VOIDS
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5 mm)	PG 64-22	4% AT 70 GYR.
POLY. LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	SBS/SBR PG 76-28/-22	4% AT 50 GYR.
LEVELING BINDER (MACHINE METHOD), N70	PG 64-22 *	4% AT 70 GYR.
CLASS D PATCHES (HMA BINDER IL-19 mm)	PG 64-22 *	4% AT 70 GYR.
HOT-MIX ASPHALT REPLACEMENT OVER PATCHES (HMA BINDER IL-19 mm)	PG 64-22 *	4% AT 70 GYR.

NOTE 1: THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE IS 112 LBS/SOYD/IN

* NOTE 2: WHEN RAP EXCEEDS 20% THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22

** SEE HMA TAPER AT EDGE OF P.C.C PAVEMENT DETAIL

REVISIONS	
NAME	DATE
A. KRIVONIS	7/27/00

ILLINOIS DEPARTMENT OF TRANSPORTATION

**TYPICAL SECTIONS
BURNHAM AVENUE
170 TH ST. TO IL 83 (TORRENCE AVE.)**

SCALE: VERT. NONE
HORIZ. DATE

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CHECKED BY FRITZ

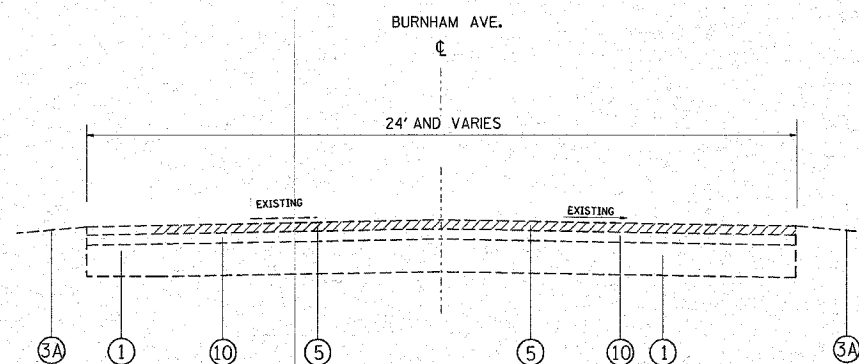
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	1999-162 RS	COOK	48	6
STATE ROAD DIST. NO. 1		ILLINOIS	HIGHWAY PROJECT	

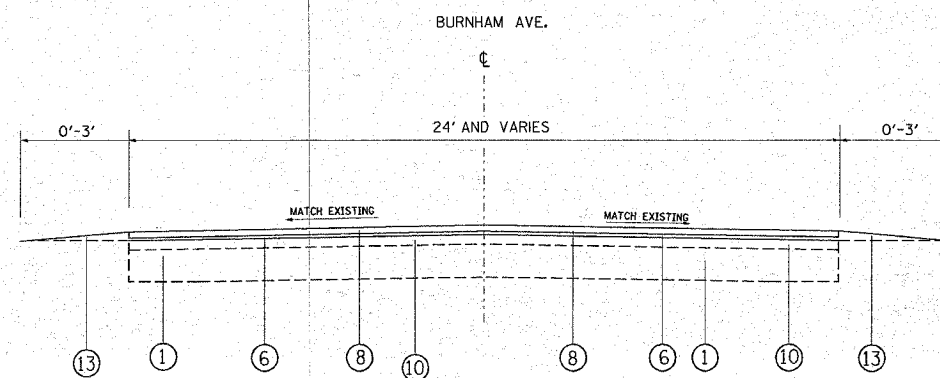
CONTRACT NO. 60829

LEGEND

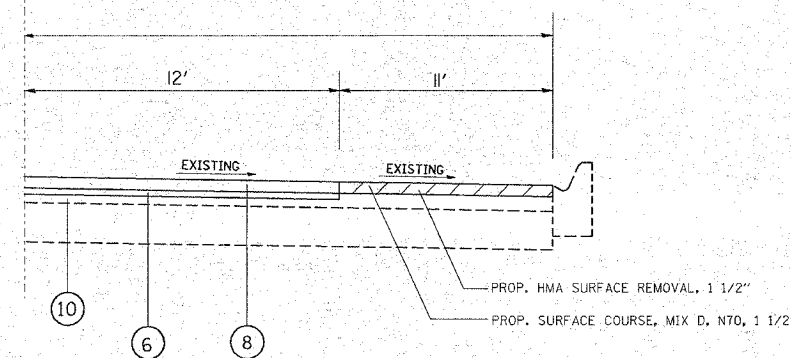
- ① EXIST. P.C.C. BASE (9")
- ② EXISTING P.C. C. CONCRETE PAVEMENT (10")
- ③ EXIST. HOT-MIX ASPHALT AFTER MILLING 5 3/4"
- ③A EXIST. AGGREGATE SHOULDER
- ④ EXIST. COMB. CONC. CURB & GUTTER, TYPE B-6.12 OR B-6.18
- ④A EXIST. HOT-MIX ASPHALT SHOULDER (STA. 95+20 TO 116+00)
- ⑤ PROP. HMA SURFACE REMOVAL, 2 1/4 "
- ⑥ PROP. POLY. LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4 "
- ⑦ PROP. LEVELING BINDER (MACHINE METHOD), N70 ,1"
- ⑧ PROP. HMA SURFACE COURSE MIX D, N70, 1 1/2 "
- ⑨ PROP. PORTLAND CEMENT CONCRETE SURFACE REMOVAL, (VARIABLE DEPTH) [0 TO 1 1/4"]
- ⑩ HMA OVERLAY AFTER MILLING
- ⑪ PROP. HMA SURFACE REMOVAL (VARIABLE DEPTH) [1/2" TO 1 1/2 "]
- ⑫ PROP. HMA SURFACE COURSE MIX D, N70 (VARIABLE DEPTH) [2 1/2" TO 1 1/2 "]
- ⑬ PROP. AGGREGATE WEDGE SHOULDER, TYPE B



**BURNHAM AVE.
 EXIST. TYPICAL SECTION**
 STA. 0+00 TO STA. 96+20



**BURNHAM AVE.
 PROP. TYPICAL SECTION**
 STA. 0+00 TO STA. 96+20



EXIST. AND PROP. PARKING LANE TYPICAL SECTION

3/10/2008
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VI-TYPI

REVISIONS	
NAME	DATE
A. KRIONIS	1/21/00

ILLINOIS DEPARTMENT OF TRANSPORTATION

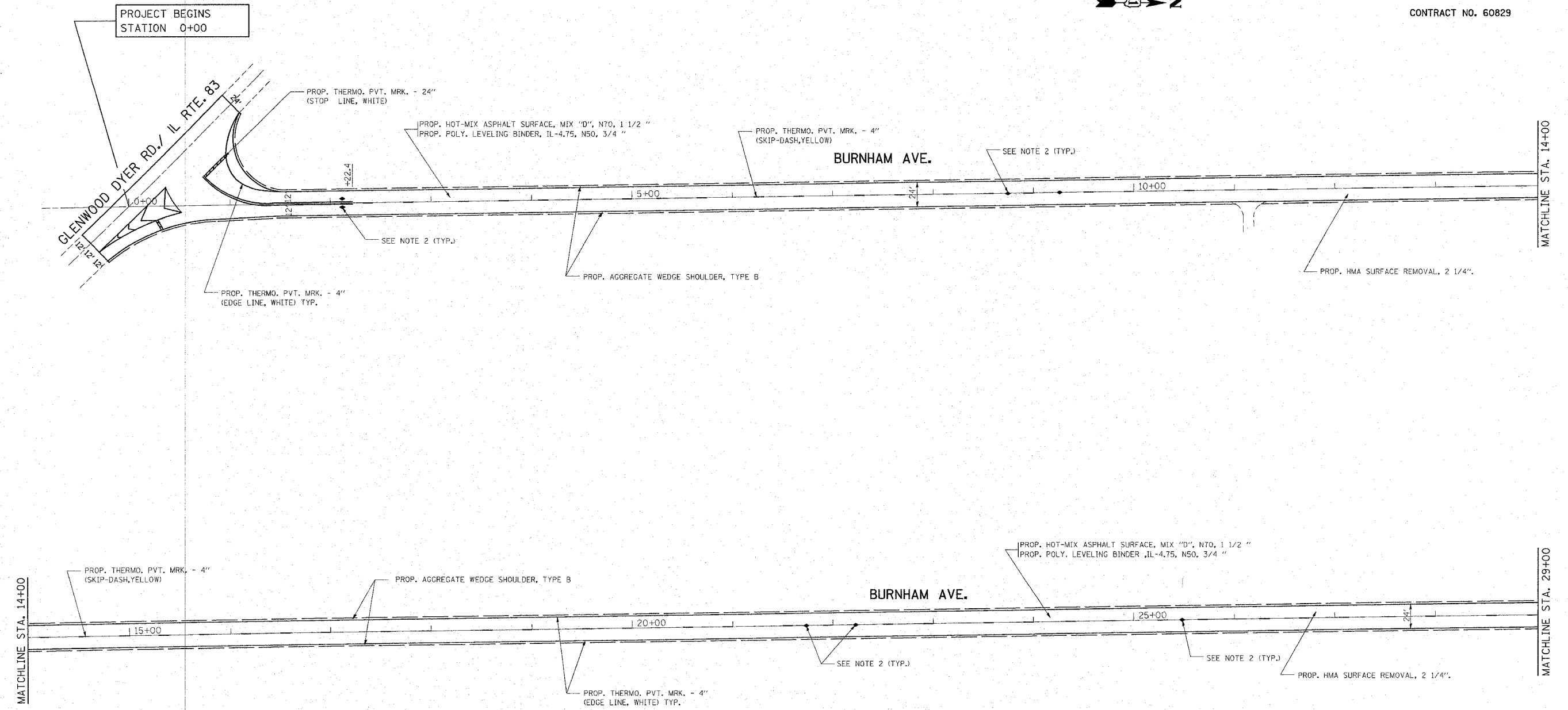
**TYPICAL SECTIONS
 BURNHAM AVENUE
 170 TH ST. TO IL 83 (TORRENCE AVE.)**

SCALE: VERT. NONE
 HORIZ. DATE

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 CHECKED BY FRITZ

CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	1999-162 RS	COOK	48	7
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 60829



- NOTE:**
- ALL PAVEMENT MARKING SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED. SEE DISTRICT DETAIL TC-13.
 - RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE USED THROUGHOUT THE IMPROVEMENT LIMITS. DOUBLE LANE LINE MARKERS SHALL BE INSTALLED, SEE DIST. DETAIL TC-11.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ROADWAY PLANS
BURNHAM AVENUE
170 TH ST. TO IL 83 (TORRENCE AVE.)

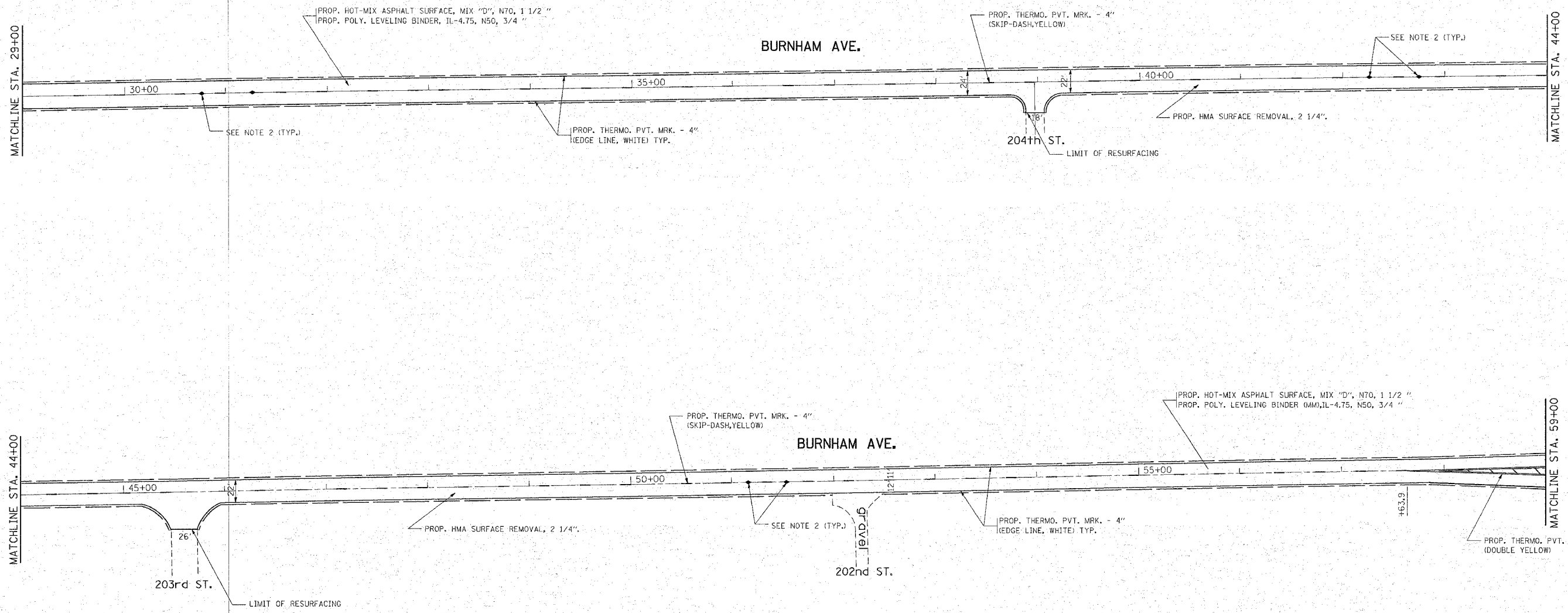
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 HORIZ. _____

DATE _____ DRAWN BY _____
 CHECKED BY _____

PLOT DATE = 3/24/2008
 PLOT SCALE = 50.0000 / IN
 USER NAME = ebbaba

CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	1999-162 RS	COOK	48	8
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 60829



- NOTE:**
1. ALL PAVEMENT MARKING SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED. SEE DISTRICT DETAIL TC-13.
 2. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE USED THROUGHOUT THE IMPROVEMENT LIMITS. DOUBLE LANE LINE MARKERS SHALL BE INSTALLED, SEE DIST. DETAIL TC-11.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ROADWAY PLANS
BURNHAM AVENUE
170 TH ST. TO IL 83 (TORRENCE AVE.)

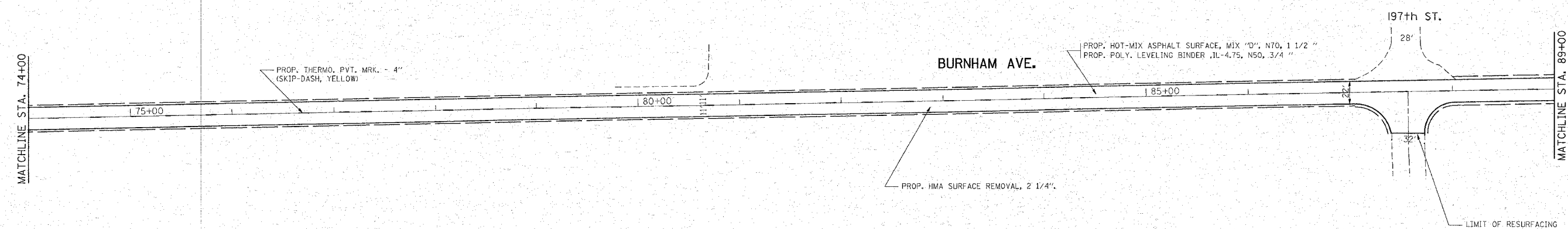
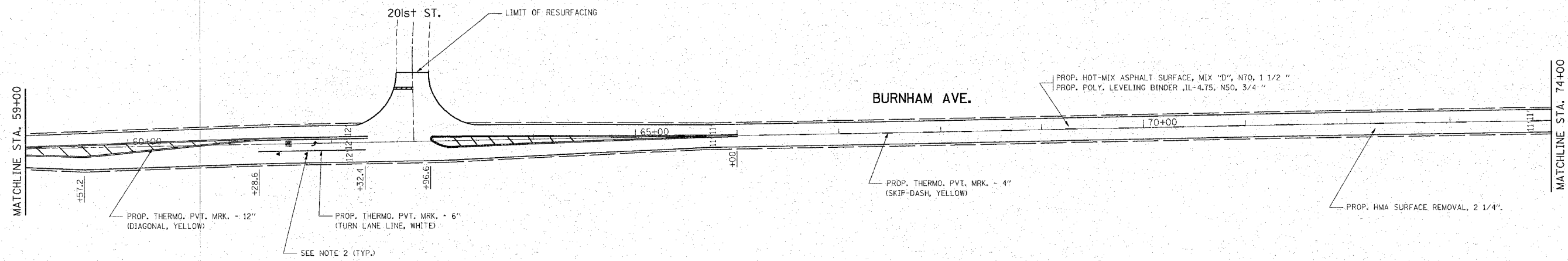
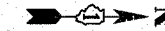
SCALE: VERT. _____
 HORIZ. _____

DATE _____ DRAWN BY _____
 CHECKED BY _____

PLOT DATE = 5/19/2009
 FILE NAME = d:\11599\sh-cdw.dgn
 PLOT SCALE = 3/8" = 1' / IN.
 USER NAME = abbeave

CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	1999-162 RS	COOK	48	9
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 60829



NOTE:

1. ALL PAVEMENT MARKING SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED. SEE DISTRICT DETAIL TC-13.
2. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE USED THROUGHOUT THE IMPROVEMENT LIMITS. DOUBLE LANE LINE MARKERS SHALL BE INSTALLED, SEE DIST. DETAIL TC-11.

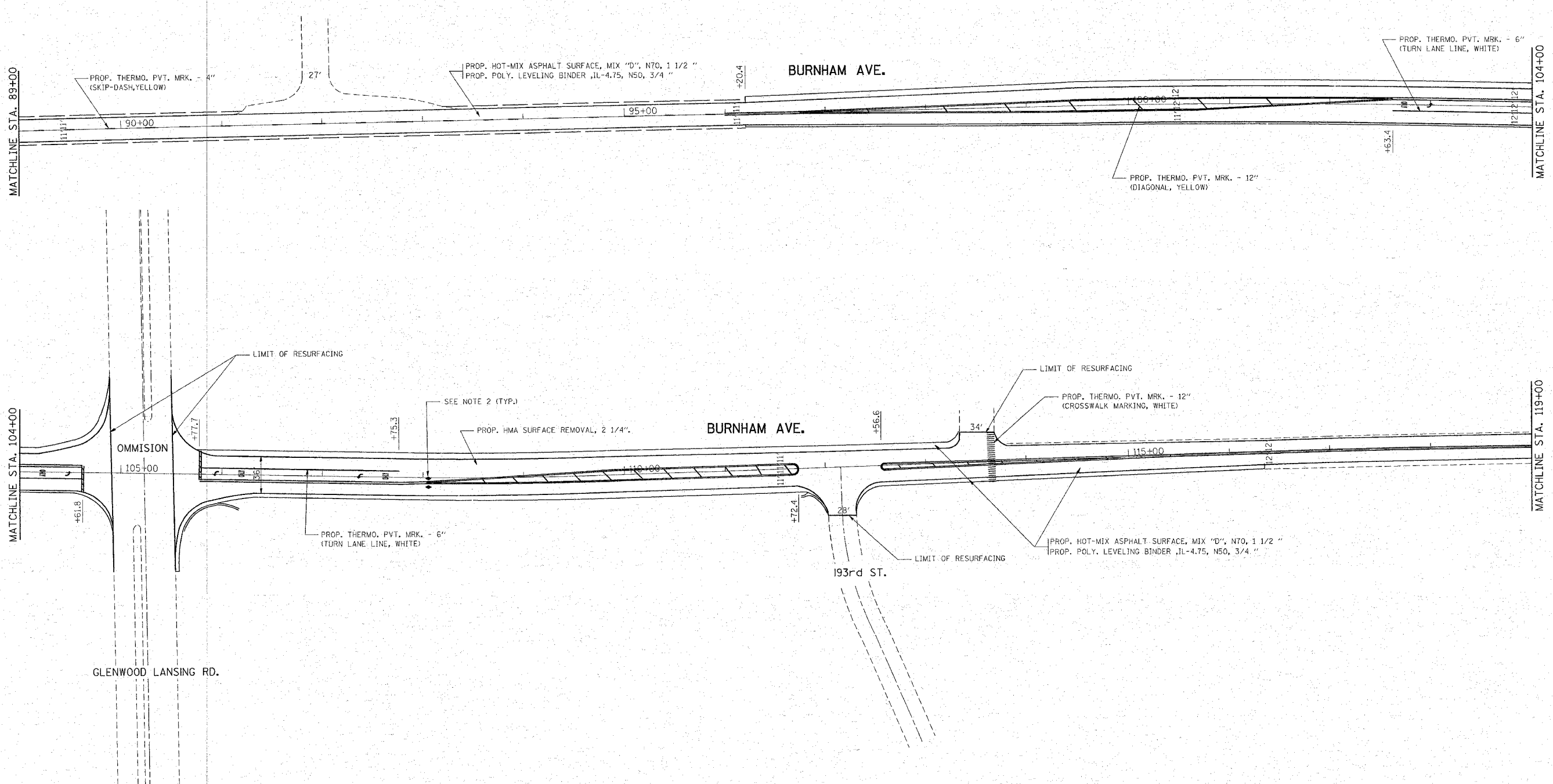
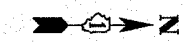
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
ROADWAY PLANS
BURNHAM AVENUE
170 TH ST. TO IL 83 (TORRENCE AVE.)
 SCALE: VERT. _____
 HORIZ. _____
 DATE _____
 DRAWN BY _____
 CHECKED BY _____

PLOT DATE = 3/10/2008
 PLOT SCALE = 1" = 40'
 USER NAME = gubbevo

CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	1999-162 RS	COOK	48	10
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 60829



NOTE:

1. ALL PAVEMENT MARKING SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED. SEE DISTRICT DETAIL TC-13.
2. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE USED THROUGHOUT THE IMPROVEMENT LIMITS. DOUBLE LANE LINE MARKERS SHALL BE INSTALLED, SEE DIST. DETAIL TC-11.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ROADWAY PLANS
BURNHAM AVENUE
170 TH ST. TO IL 83 (TORRENCE AVE.)

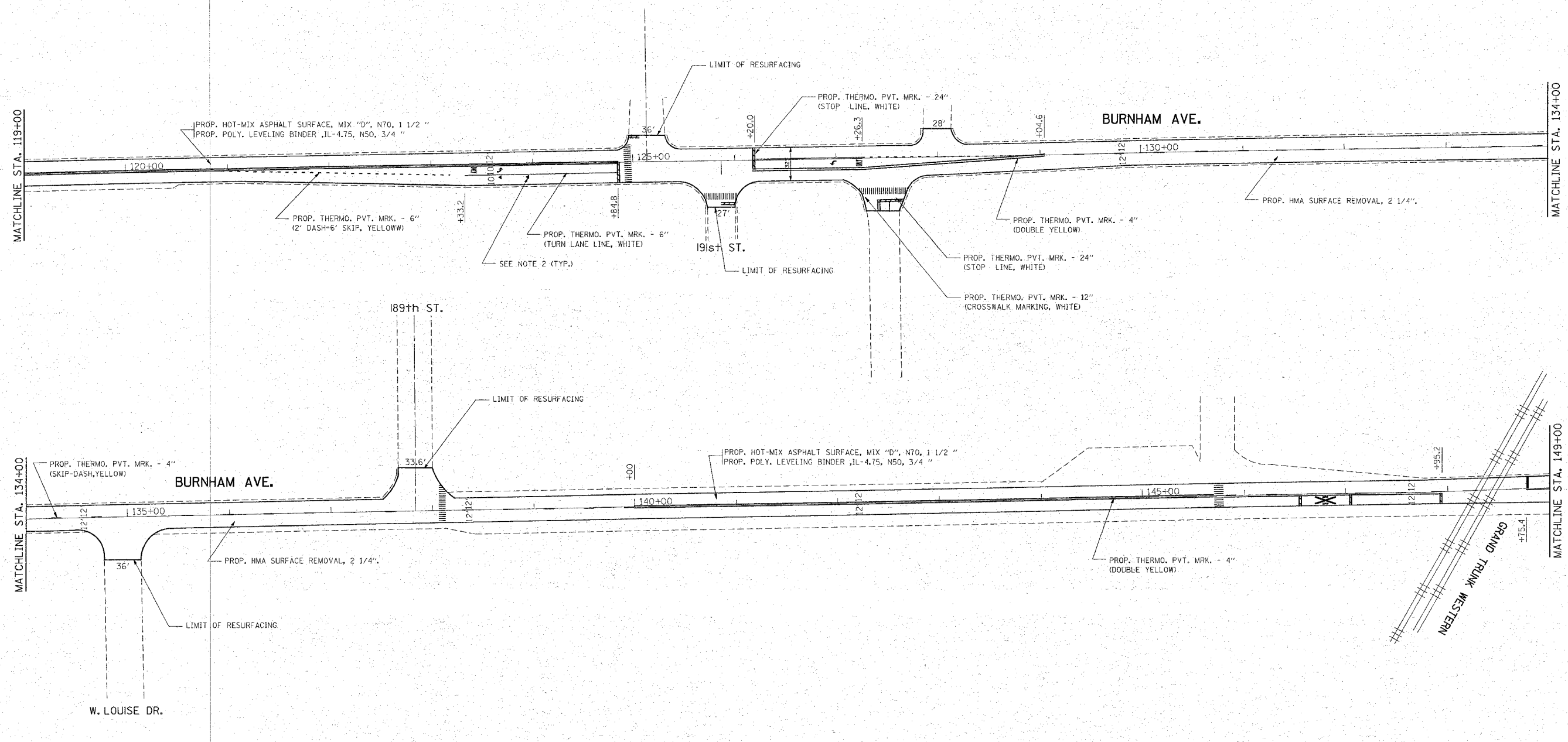
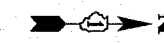
SCALE: VERT. _____
 HORIZ. _____

DATE _____ DRAWN BY _____
 CHECKED BY _____

PLOT DATE = 3/10/2008
 FILE NAME = c:\p\proj\1041899\plan\chudgn
 USER NAME = chudgn

CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	1999-162 RS	COOK	48	11
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 60829



NOTE:

1. ALL PAVEMENT MARKING SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED. SEE DISTRICT DETAIL TC-13.
2. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE USED THROUGHOUT THE IMPROVEMENT LIMITS. DOUBLE LANE LINE MARKERS SHALL BE INSTALLED, SEE DIST. DETAIL TC-11.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

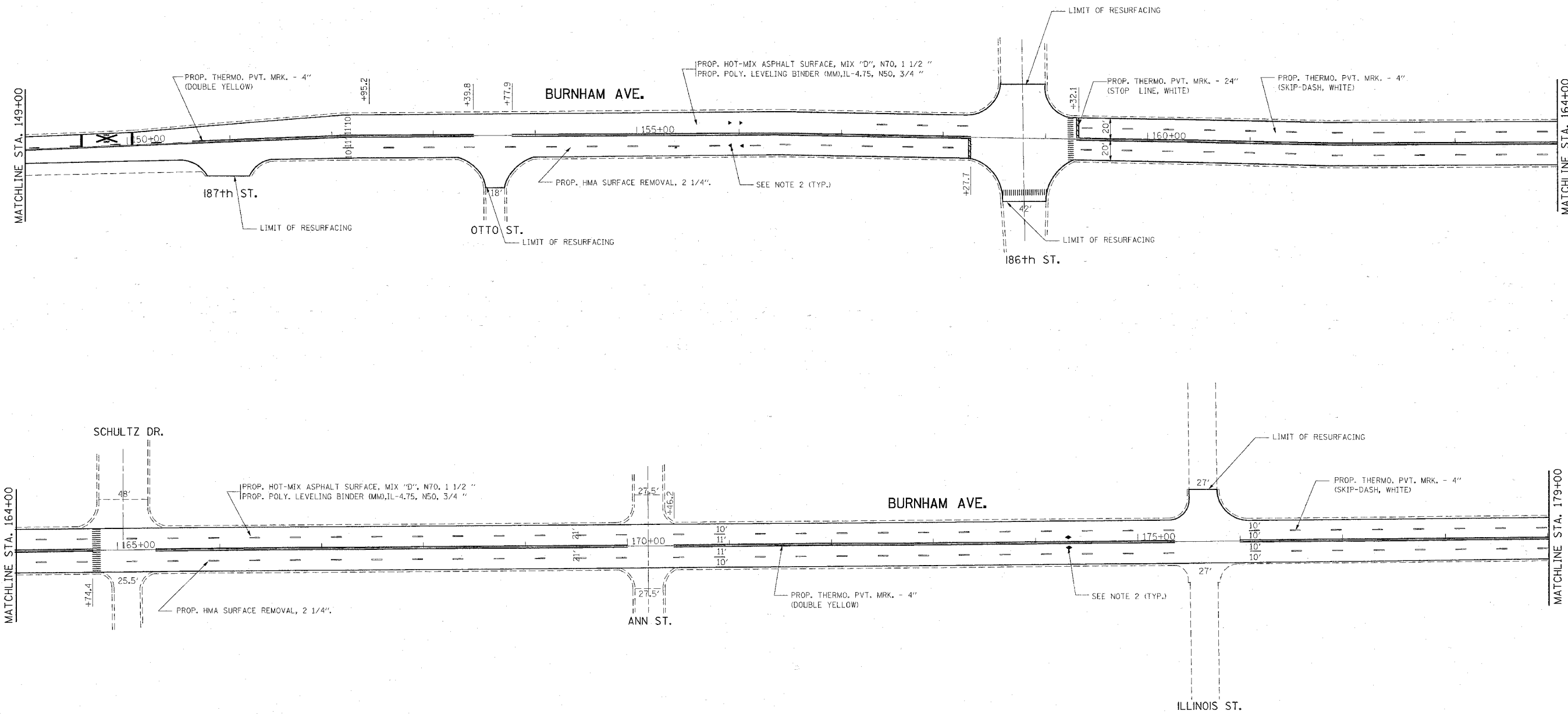
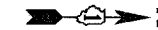
ROADWAY PLANS
BURNHAM AVENUE
170 TH ST. TO IL 83 (TORRENCE AVE.)

SCALE: VERT. _____
 HORIZ. _____

DATE _____ DRAWN BY _____
 CHECKED BY _____

PLOT DATE = 3/10/2008
 FILE NAME = c:\p\proj\10418199\10418199.dwg
 PLOT SCALE = 50.000000 / 1 IN.
 USER NAME = adbbava

CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	1999-162 RS	COOK	48	12
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 60829				



NOTE:

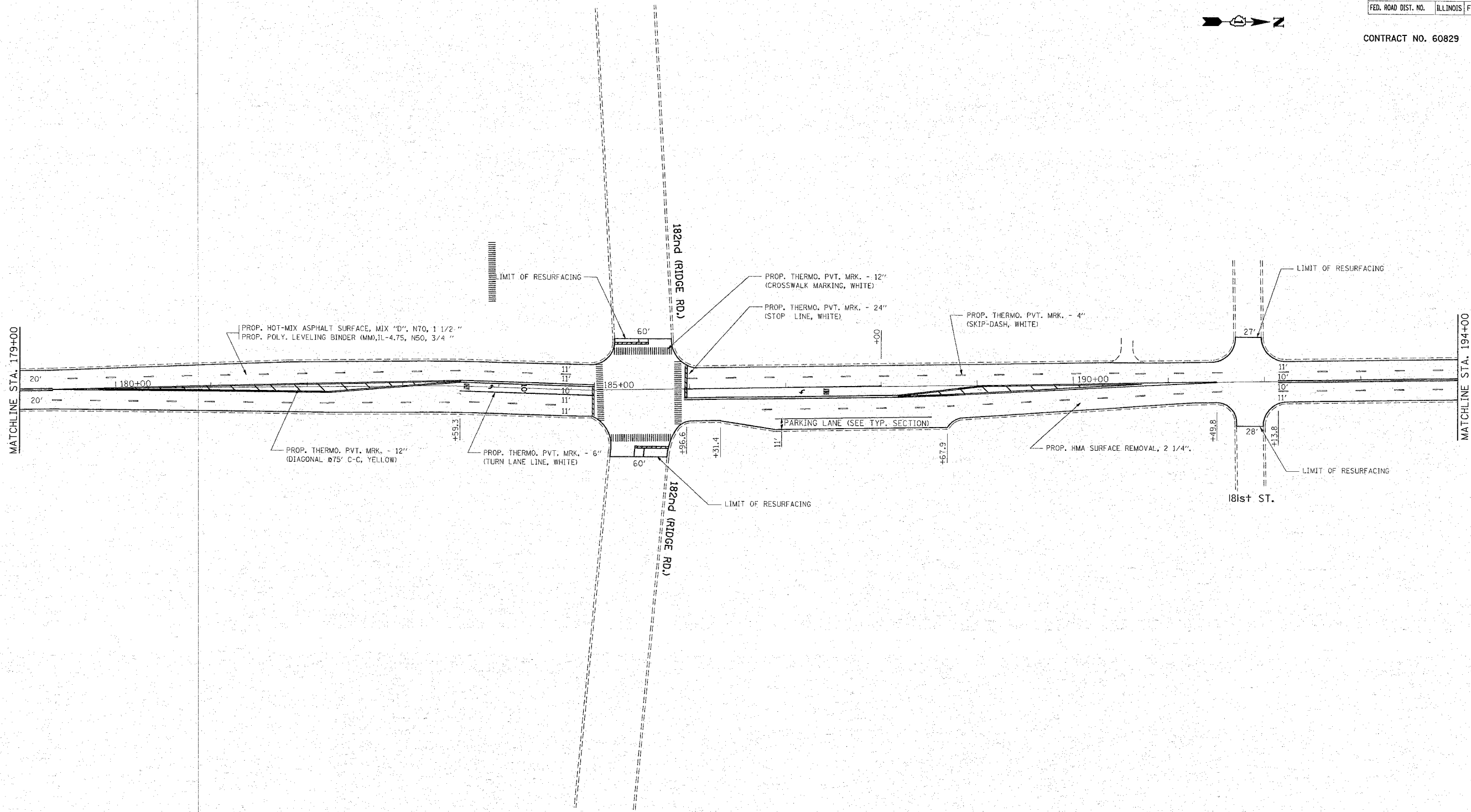
- ALL PAVEMENT MARKING SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED. SEE DISTRICT DETAIL TC-13.
- RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE USED THROUGHOUT THE IMPROVEMENT LIMITS. DOUBLE LANE LINE MARKERS SHALL BE INSTALLED, SEE DIST. DETAIL TC-11.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<p align="center">ROADWAY PLANS BURNHAM AVENUE 170 TH ST. TO IL 83 (TORRENCE AVE.)</p> <p>SCALE: VERT. _____ HORIZ. _____</p> <p>DRAWN BY _____ CHECKED BY _____</p>

PLOT DATE = 4/14/2008
 FILE NAME = C:\Users\jld41899\Public\rdwydgn
 PLOT SCALE = 50.0000 / IN.
 USER NAME = abbbba

CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	1999-162 RS	COOK	48	13
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 60829



- NOTE:**
1. ALL PAVEMENT MARKING SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED. SEE DISTRICT DETAIL TC-13.
 2. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE USED THROUGHOUT THE IMPROVEMENT LIMITS. DOUBLE LANE LINE MARKERS SHALL BE INSTALLED, SEE DIST. DETAIL TC-11.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ROADWAY PLANS
BURNHAM AVENUE
170 TH ST. TO IL 83 (TORRENCE AVE.)

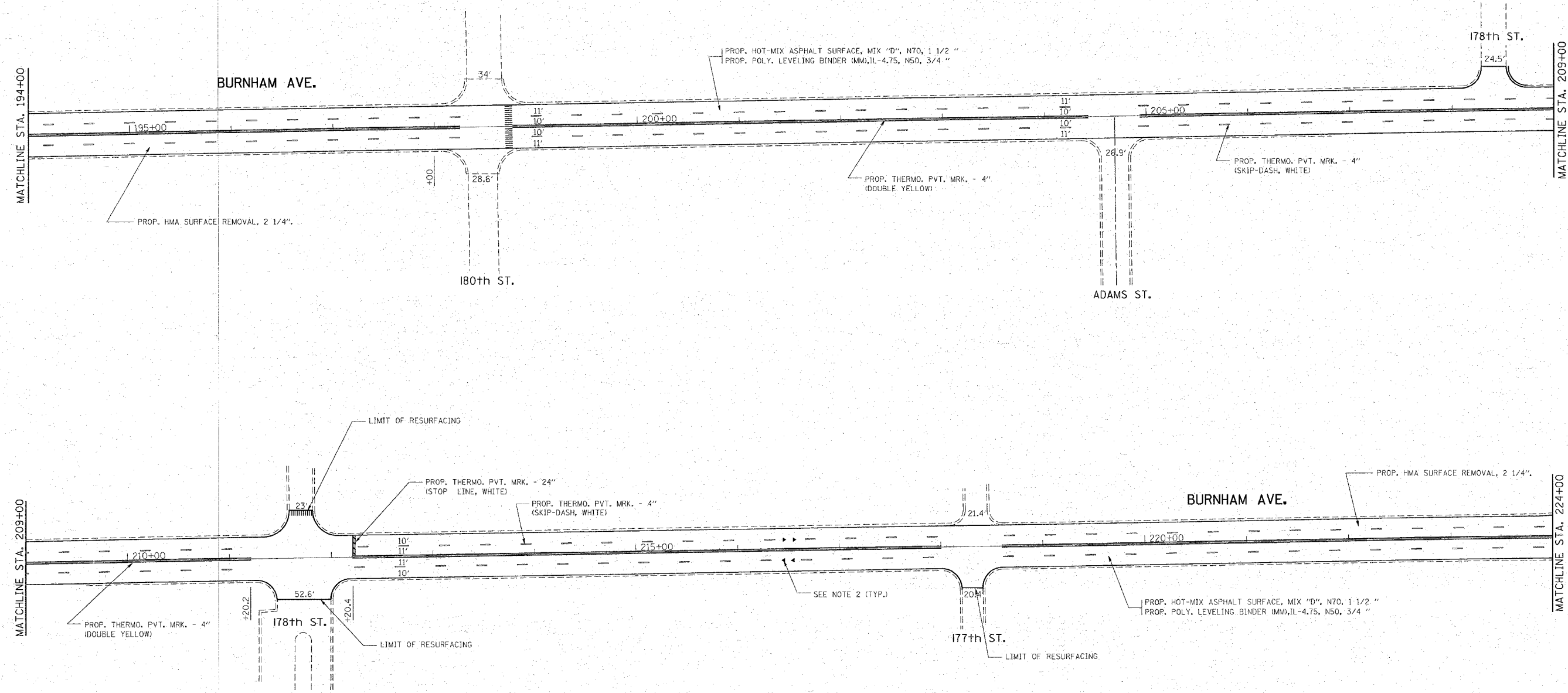
SCALE: VERT. _____
 HORIZ. _____

DATE _____ DRAWN BY _____
 CHECKED BY _____

PLOT DATE = 3/10/2009
 PLOT SCALE = 50000
 USER NAME = abbeba

CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	1999-162 RS	COOK	40	14
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 60829



- NOTE:**
- ALL PAVEMENT MARKING SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED. SEE DISTRICT DETAIL TC-13.
 - RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE USED THROUGHOUT THE IMPROVEMENT LIMITS. DOUBLE LANE LINE MARKERS SHALL BE INSTALLED, SEE DIST. DETAIL TC-11.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ROADWAY PLANS
BURNHAM AVENUE
170 TH ST. TO IL 83 (TORRENCE AVE.)

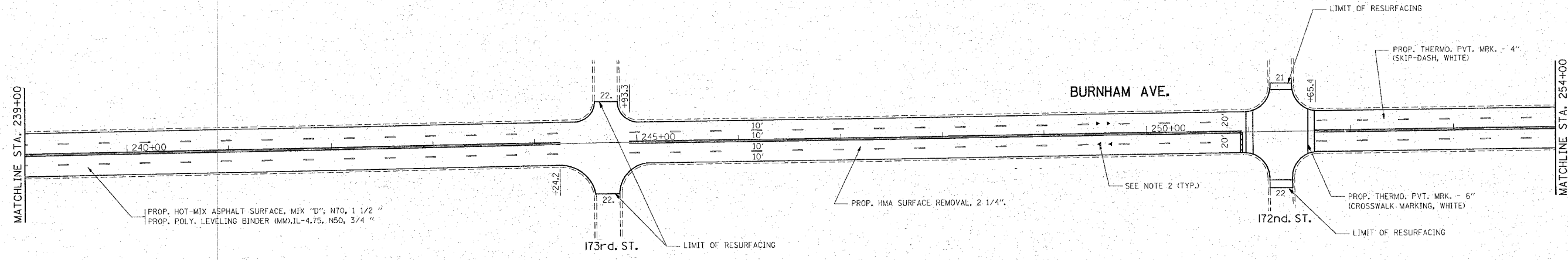
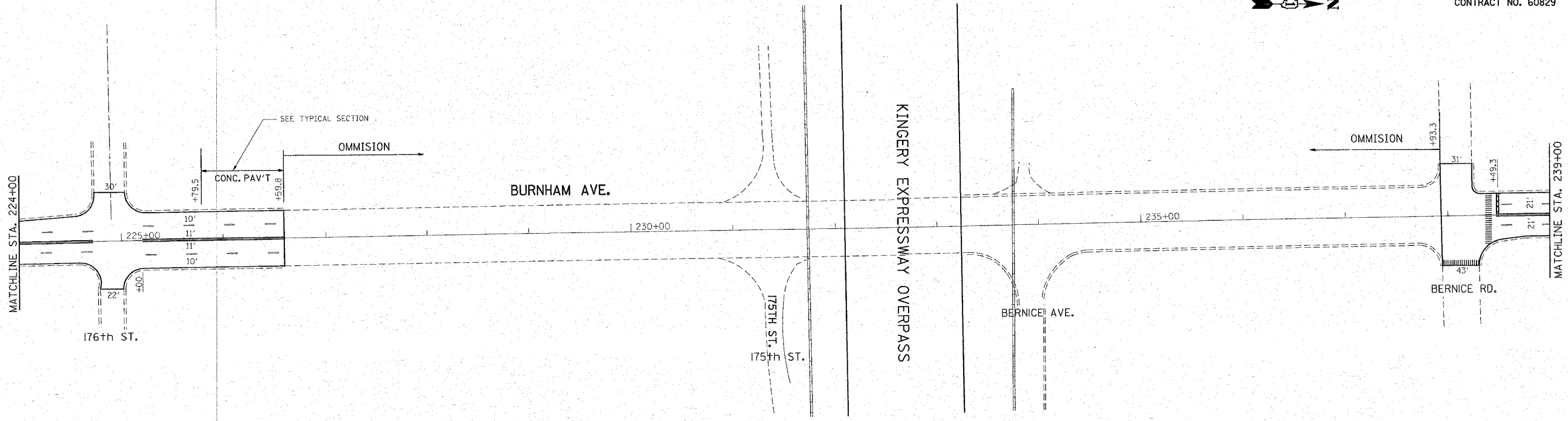
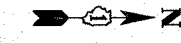
SCALE: VERT. _____
 HORIZ. _____

DATE _____ DRAWN BY _____
 CHECKED BY _____

PLOT DATE = 3/10/2008
 FILE NAME = c:\p\proj\60829\14159\pln_rch.dgn
 PLOT SCALE = 50.0000 / 1"
 USER NAME = abbasov

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	1999-162 RS	COOK	48	15
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 60829



- NOTE:**
- ALL PAVEMENT MARKING SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED. SEE DISTRICT DETAIL TC-13.
 - RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE USED THROUGHOUT THE IMPROVEMENT LIMITS. DOUBLE LANE LINE MARKERS SHALL BE INSTALLED, SEE DIST. DETAIL TC-11.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ROADWAY PLANS
BURNHAM AVENUE
170 TH ST. TO IL 83 (TORRENCE AVE.)

SCALE: VERT. _____
 HORIZ. _____
 DATE _____

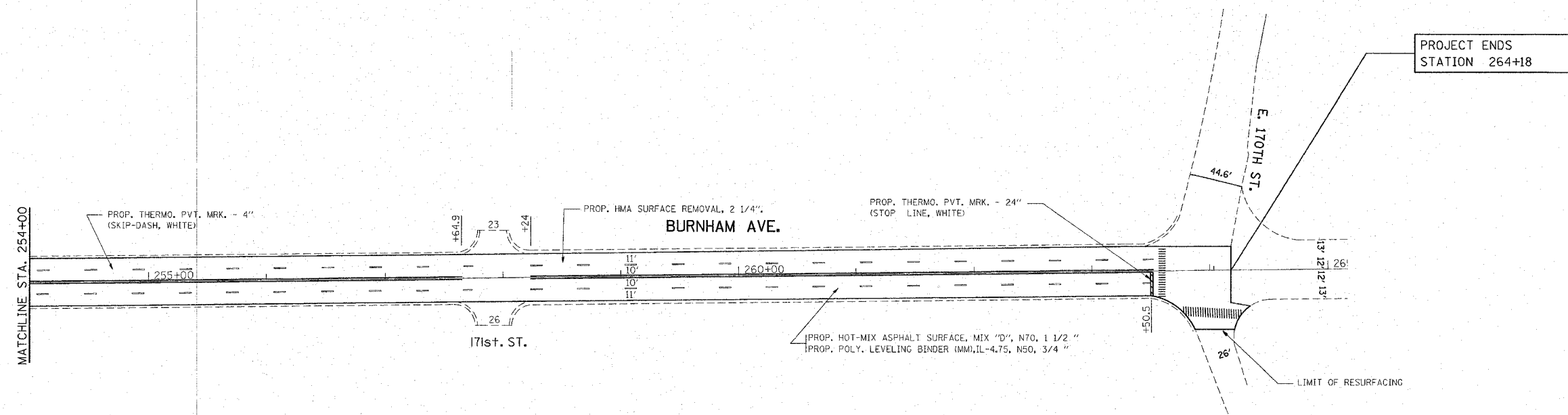
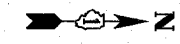
DRAWN BY _____
 CHECKED BY _____

PLOT DATE = 2/19/2008
 FILE NAME = c:\projects\141599\ah_rdw\p1.dgn
 PLOT SCALE = 5/8"=1'-0"
 USER NAME = ahbone

CONTRACT NO.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	1999-162 RS	COOK	48	16
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 60829



NOTE:

1. ALL PAVEMENT MARKING SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED. SEE DISTRICT DETAIL TC-13.
2. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE USED THROUGHOUT THE IMPROVEMENT LIMITS. DOUBLE LANE LINE MARKERS SHALL BE INSTALLED, SEE DIST. DETAIL TC-11.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ROADWAY PLANS
BURNHAM AVENUE
170 TH ST. TO IL 83 (TORRENCE AVE.)

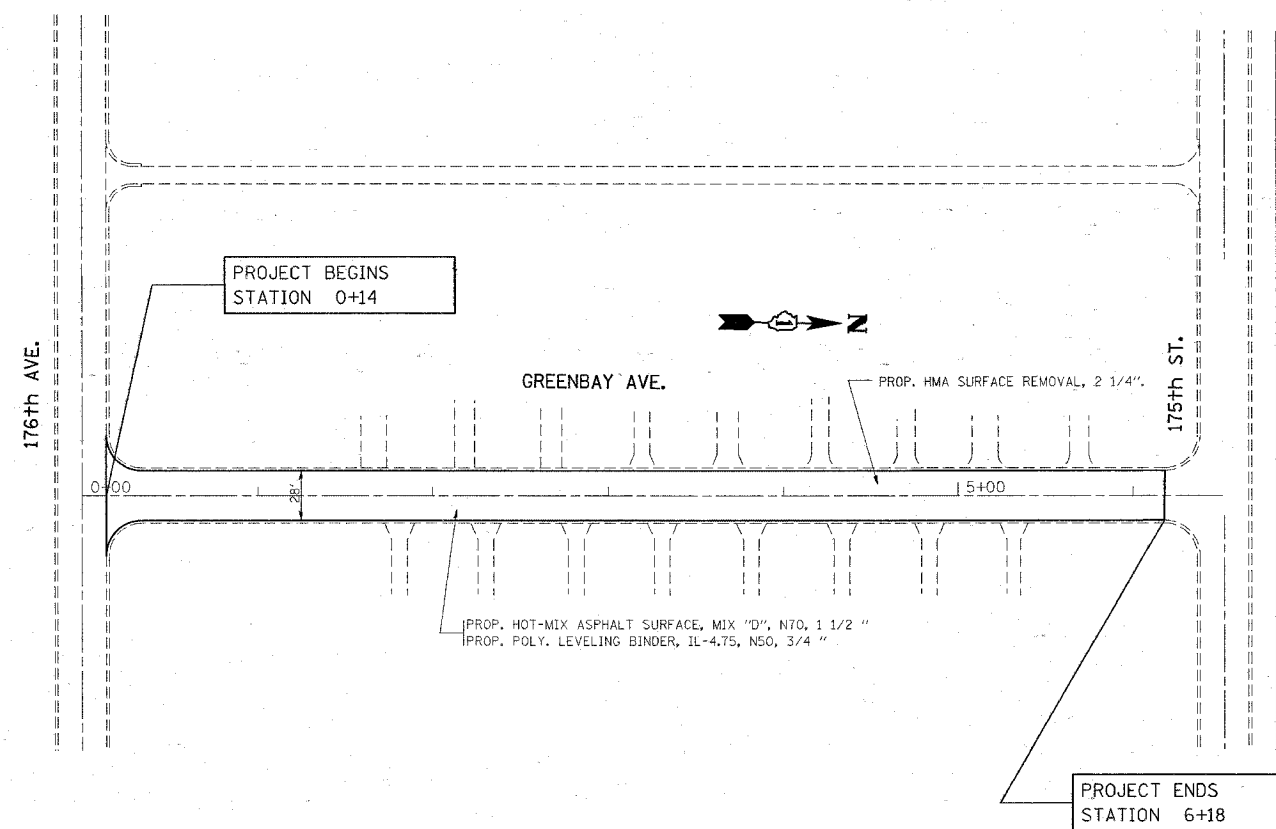
SCALE: VERT. _____
 HORIZ. _____

DATE _____ DRAWN BY _____
 CHECKED BY _____

PLOT DATE = 3/24/2008
 FILE NAME = c:\p\c\met\ad\1899\ah_rdy.dgn
 PLOT SCALE = 50.0000' / IN.
 USER NAME = bdboss

CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	1999-162 RS	COOK	48	17
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 60829



NOTE:

1. ALL PAVEMENT MARKING SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED. SEE DISTRICT DETAIL TC-13.
2. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE USED THROUGHOUT THE IMPROVEMENT LIMITS. DOUBLE LANE LINE MARKERS SHALL BE INSTALLED, SEE DIST. DETAIL TC-11.

PLOT DATE = 4/11/2008
 FILE NAME = c:\pvc\pvc\141899\ah-rd\p1.dgn
 PLOT SCALE = 50.0000 / 1"
 USER NAME = abbebo

REVISIONS		DATE
NAME		

ILLINOIS DEPARTMENT OF TRANSPORTATION

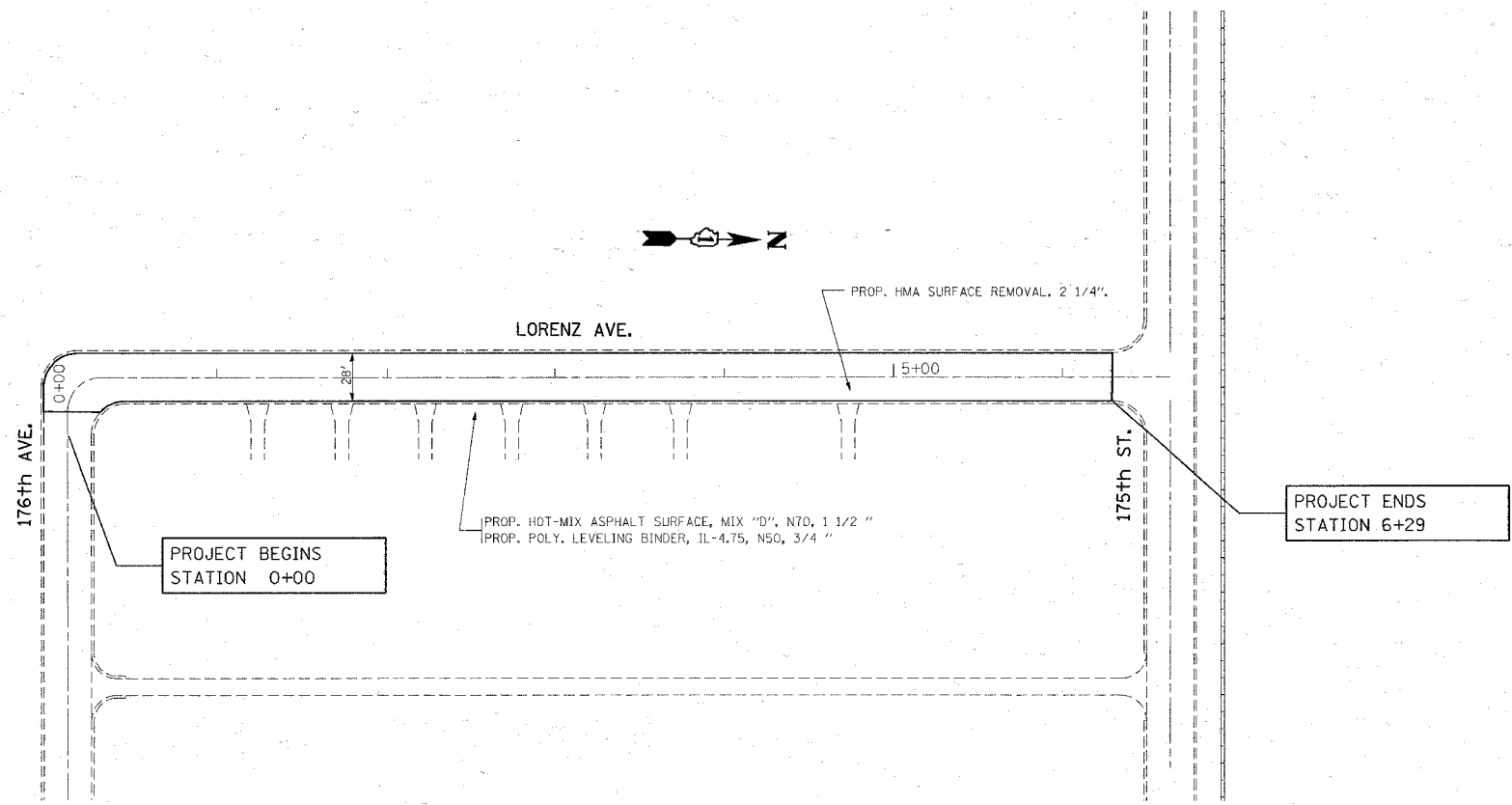
**ROADWAY PLANS
 GREENBAY AVENUE
 176 TH AVE. TO 175TH ST.**

SCALE: VERT. _____
 HORIZ. _____
 DATE _____

DRAWN BY _____
 CHECKED BY _____

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	1999-162 RS	COOK	48	18
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 60829



NOTE:

1. ALL PAVEMENT MARKING SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED. SEE DISTRICT DETAIL TC-13.
2. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE USED THROUGHOUT THE IMPROVEMENT LIMITS. DOUBLE LANE LINE MARKERS SHALL BE INSTALLED, SEE DIST. DETAIL TC-11.

PLOT DATE = 4/14/2008
 FILE NAME = c:\pco\pco\pco\11999\ah_rdw\pco.dgn
 PLOT SCALE = 50.0000 / 1 IN.
 USER NAME = abbbbbb

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

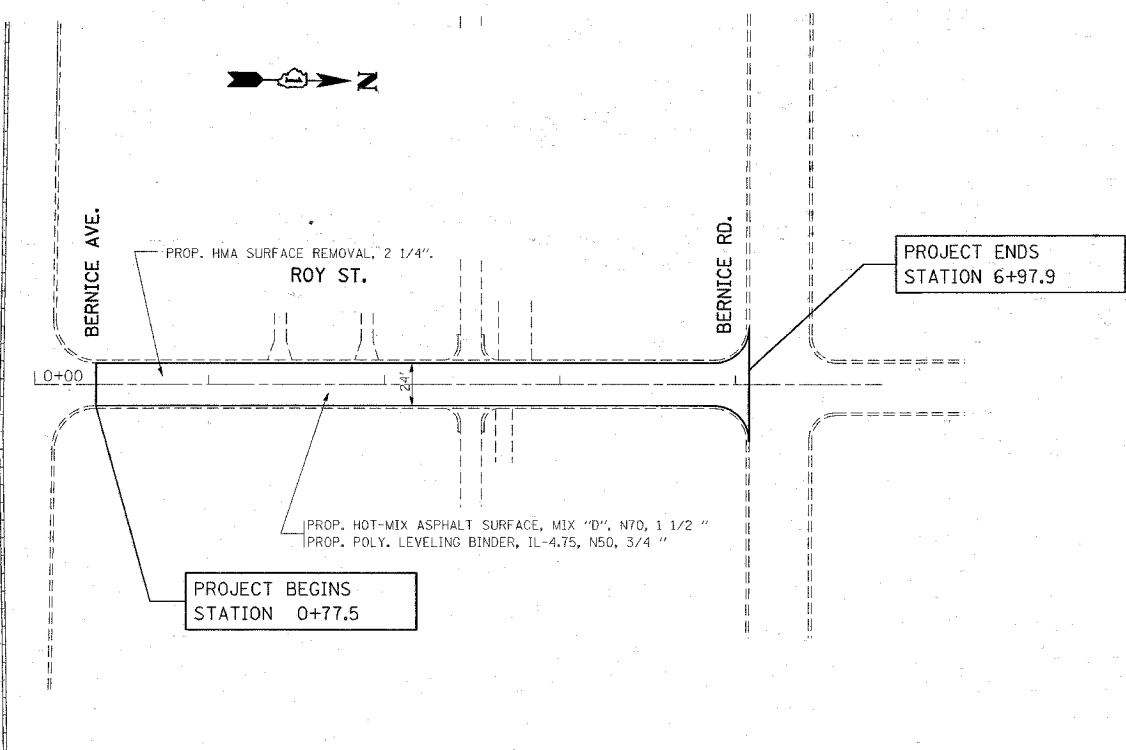
**ROADWAY PLANS
 LORENZ AVE.
 176 TH AVE. TO 175TH ST.**

SCALE: VERT. _____
 HORIZ. _____
 DATE _____

DRAWN BY _____
 CHECKED BY _____

CONTRACT NO.				
F.A. RYE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	1999-162 RS	COOK	48	23
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 60829



NOTE:

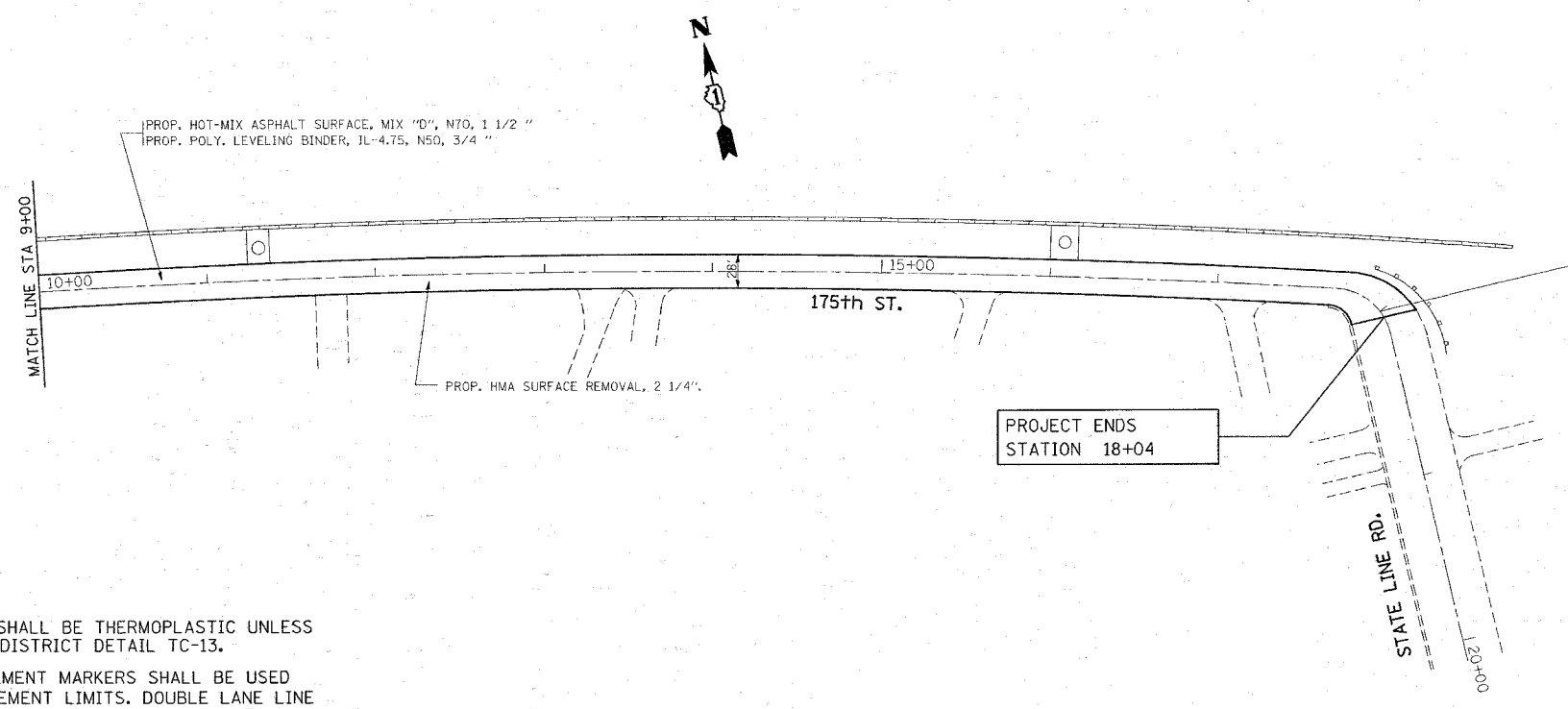
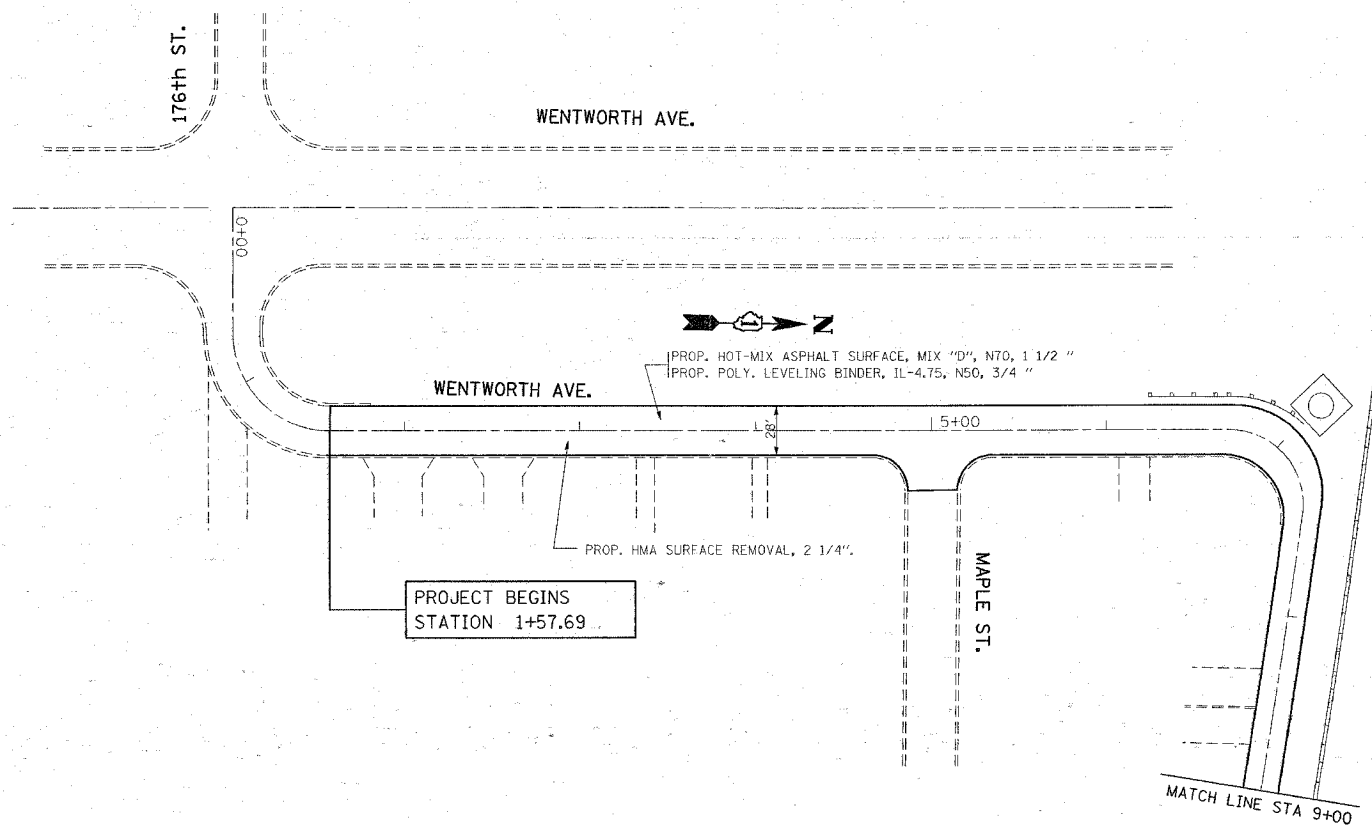
1. ALL PAVEMENT MARKING SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED. SEE DISTRICT DETAIL TC-13.
2. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE USED THROUGHOUT THE IMPROVEMENT LIMITS. DOUBLE LANE LINE MARKERS SHALL BE INSTALLED, SEE DIST. DETAIL TC-11.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		<p align="center">ROADWAY PLANS ROY ST. BERNICE RD. TO BERNICE AVE.</p> <p>SCALE: VERT. _____ HORIZ. _____</p> <p>DATE _____</p> <p align="right">DRAWN BY _____ CHECKED BY _____</p>

PLOT DATE = 4/14/2008
FILE NAME = c:\pvc\pvc\141819\ah_rdh\pdpn
PLOT SCALE = 5/8"=1' / IN.
USER NAME = abobbs

CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	1999-162 RS	COOK	48	24
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 60829



NOTE:

1. ALL PAVEMENT MARKING SHALL BE THERMOPLASTIC UNLESS OTHERWISE NOTED. SEE DISTRICT DETAIL TC-13.
2. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE USED THROUGHOUT THE IMPROVEMENT LIMITS. DOUBLE LANE LINE MARKERS SHALL BE INSTALLED, SEE DIST. DETAIL TC-11.

PLOT DATE = 4/17/2008
 PLOT SCALE = 3/4" = 1'-0"
 USER NAME = ababona

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

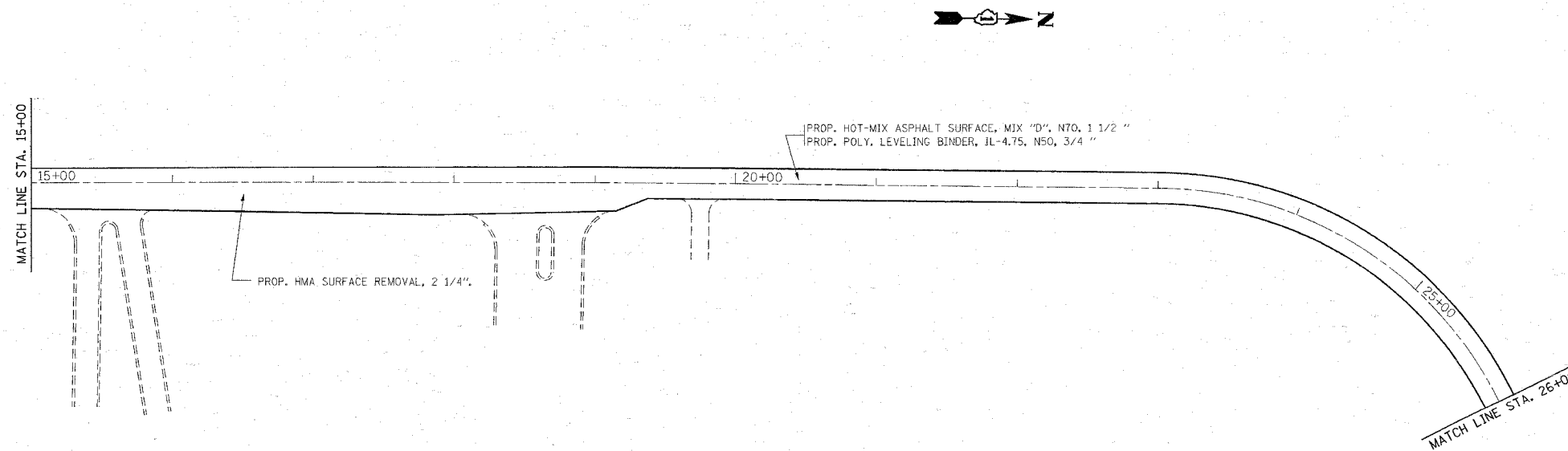
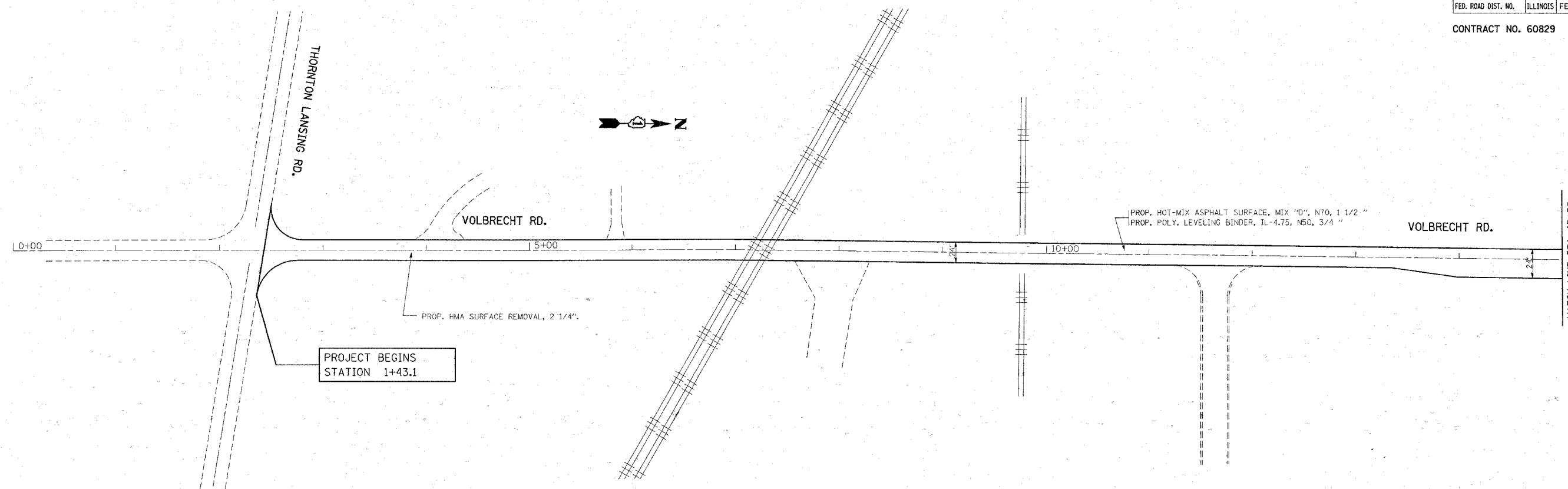
**ROADWAY PLANS
175TH STREET
WENTWORTH AVE. TO STATE ST.**

SCALE: VERT.
HORIZ.
DATE

DRAWN BY
CHECKED BY

CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	1999-162 RS	COOK	48	25
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 60829



PLOT DATE = 4/11/2008
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 USER NAME = sbobers

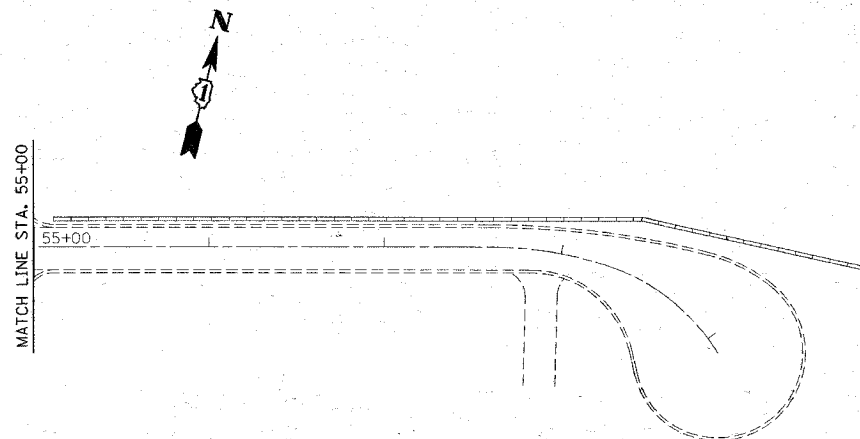
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 ROADWAY PLANS
 VOLBRECHT/175TH ST. FRONTAGE RD.

SCALE: VERT. _____
 HORIZ. _____
 DATE _____ DRAWN BY _____
 CHECKED BY _____

CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	1999-162 RS	COOK	48	27
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 60829



PLOT DATE = 4/14/2009
 FILE NAME = c:\pwworkspace\1418195\ah-d\p1.dgn
 PLOT MODE =
 USER NAME = abbbs

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ROADWAY PLANS

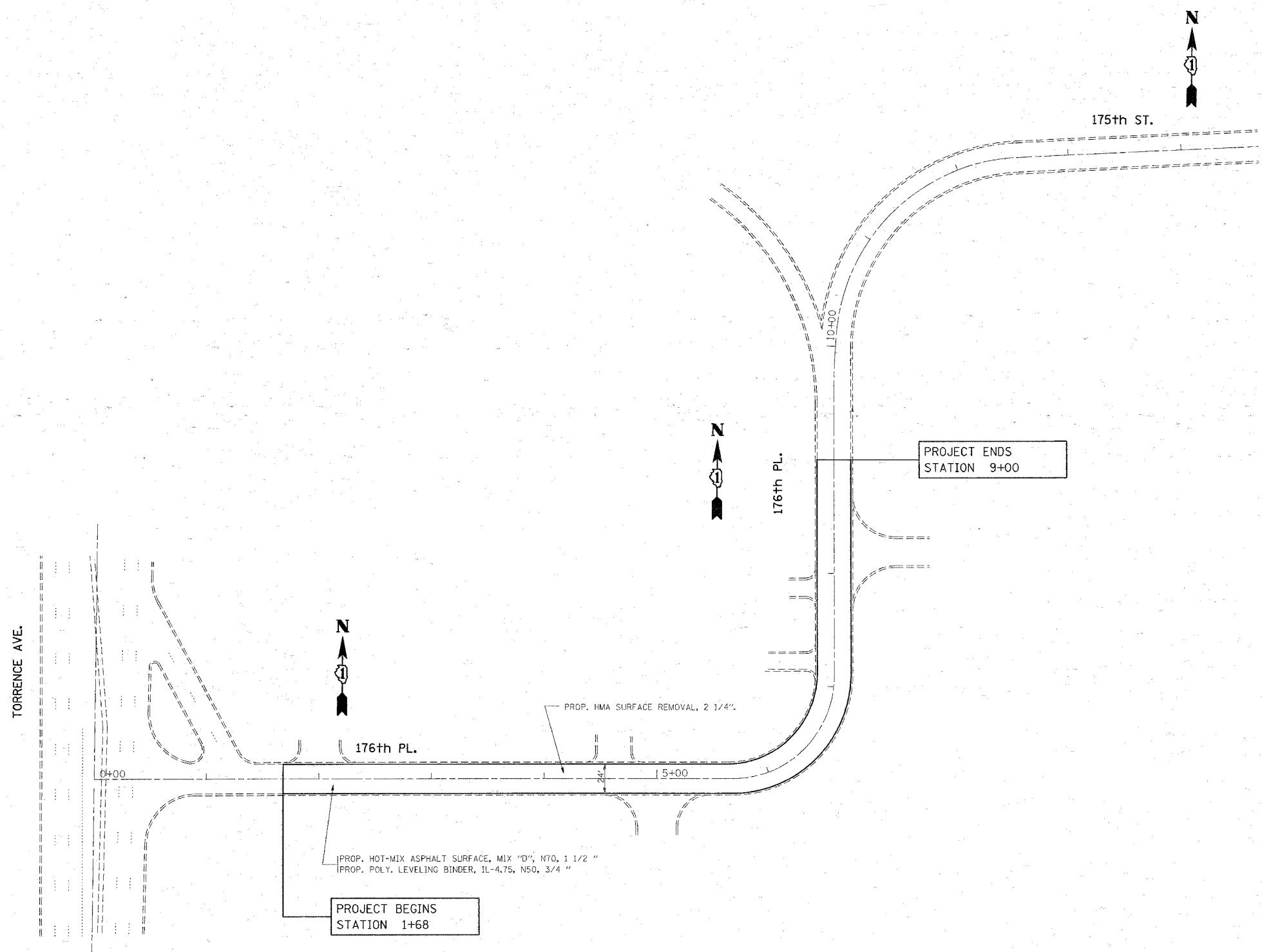
VOLBRECHT/175TH ST. FRONTAGE RD.

SCALE: VERT.
HORIZ.
DATE

DRAWN BY
CHECKED BY

CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	1999-162 RS	COOK	48	28
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 60829

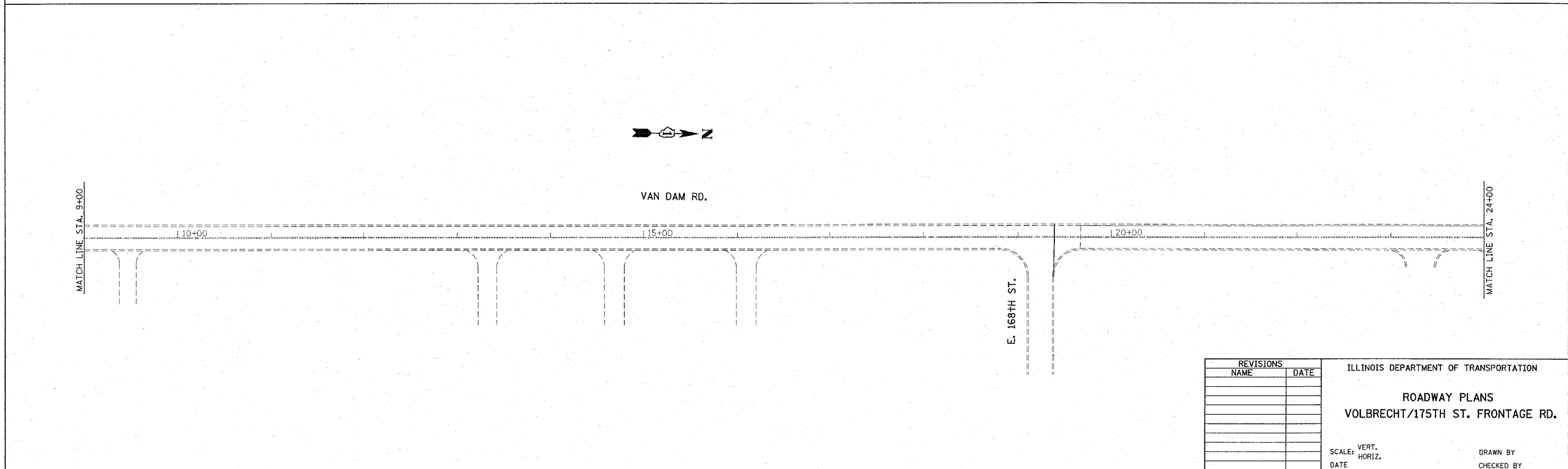
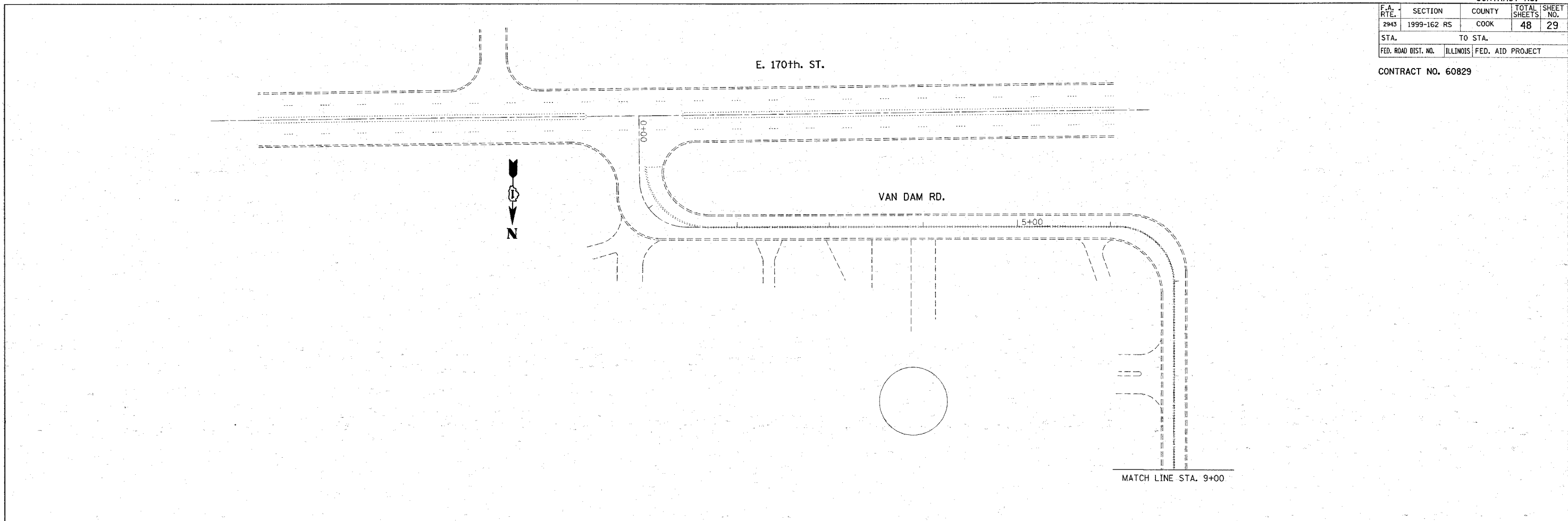


PLOT DATE = 4/14/2008
 FILE NAME = c:\p141659\sh-rdy.dgn
 PLOT SCALE = 50,000% / IN.
 USER NAME = abbban

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		ROADWAY PLANS 176 PLACE TORRENCE AVENUE TO 175TH STREET SCALE: VERT. _____ HORIZ. _____ DATE _____
DRAWN BY _____		CHECKED BY _____
DATE _____		

CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	1999-162 RS	COOK	48	29
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 60829

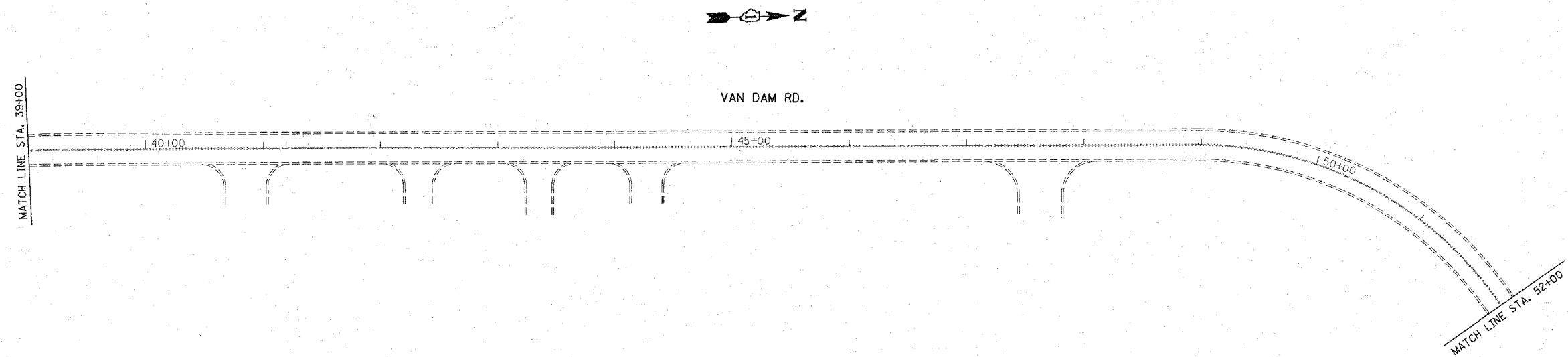
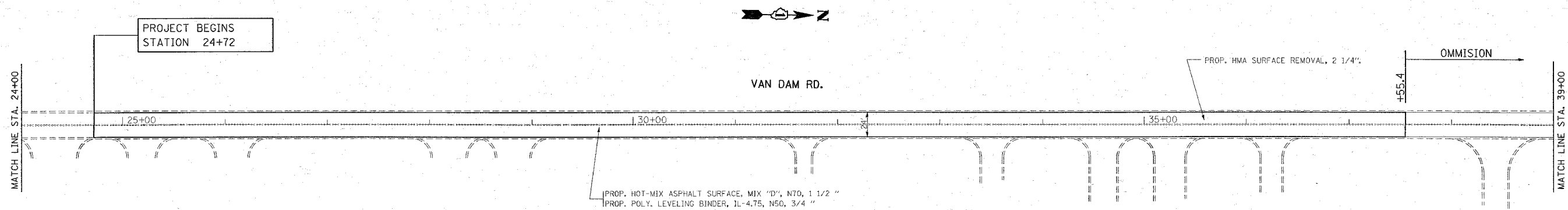


PLOT DATE = 4/14/2008
 FILE NAME = c:\p\proj\14189\14189.dwg
 USER NAME = jgordon

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		ROADWAY PLANS VOLBRECHT/175TH ST. FRONTAGE RD.
SCALE:	VERT. DRAWN BY	CHECKED BY
DATE	HORIZ.	

CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	1999-162 RS	COOK	48	30
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

CONTRACT NO. 60829



PLOT DATE = 4/14/2008
 PLOT SCALE = 50.0000' / IN.
 USER NAME = abbeba

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 ROADWAY PLANS
 VOLBRECHT/175TH ST. FRONTAGE RD.

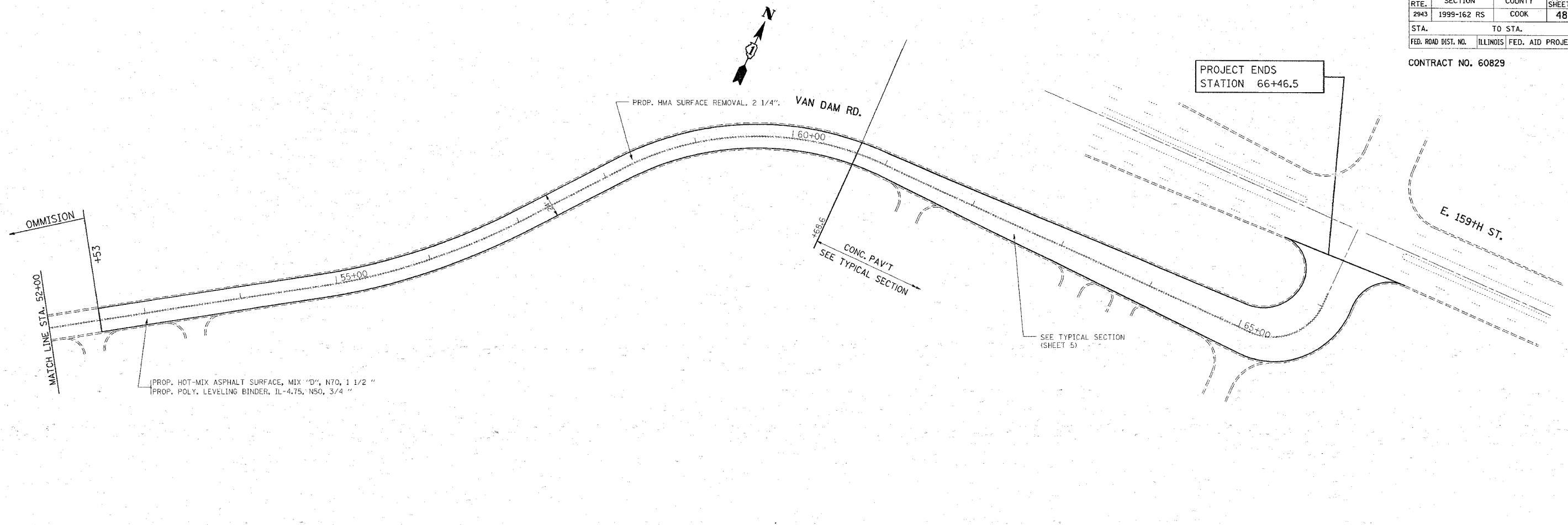
SCALE: VERT.
 HORIZ.
 DATE

DRAWN BY
 CHECKED BY

CONTRACT NO.				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	1999-162 RS	COOK	48	31
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

CONTRACT NO. 60829

PROJECT ENDS
STATION 66+46.5



PLOT DATE = 4/14/2008
 FILE NAME = c:\prowork\141899\ah_rhudgn
 USER NAME = ababara

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

ROADWAY PLANS

VOLBRECHT/175TH ST. FRONTAGE RD.

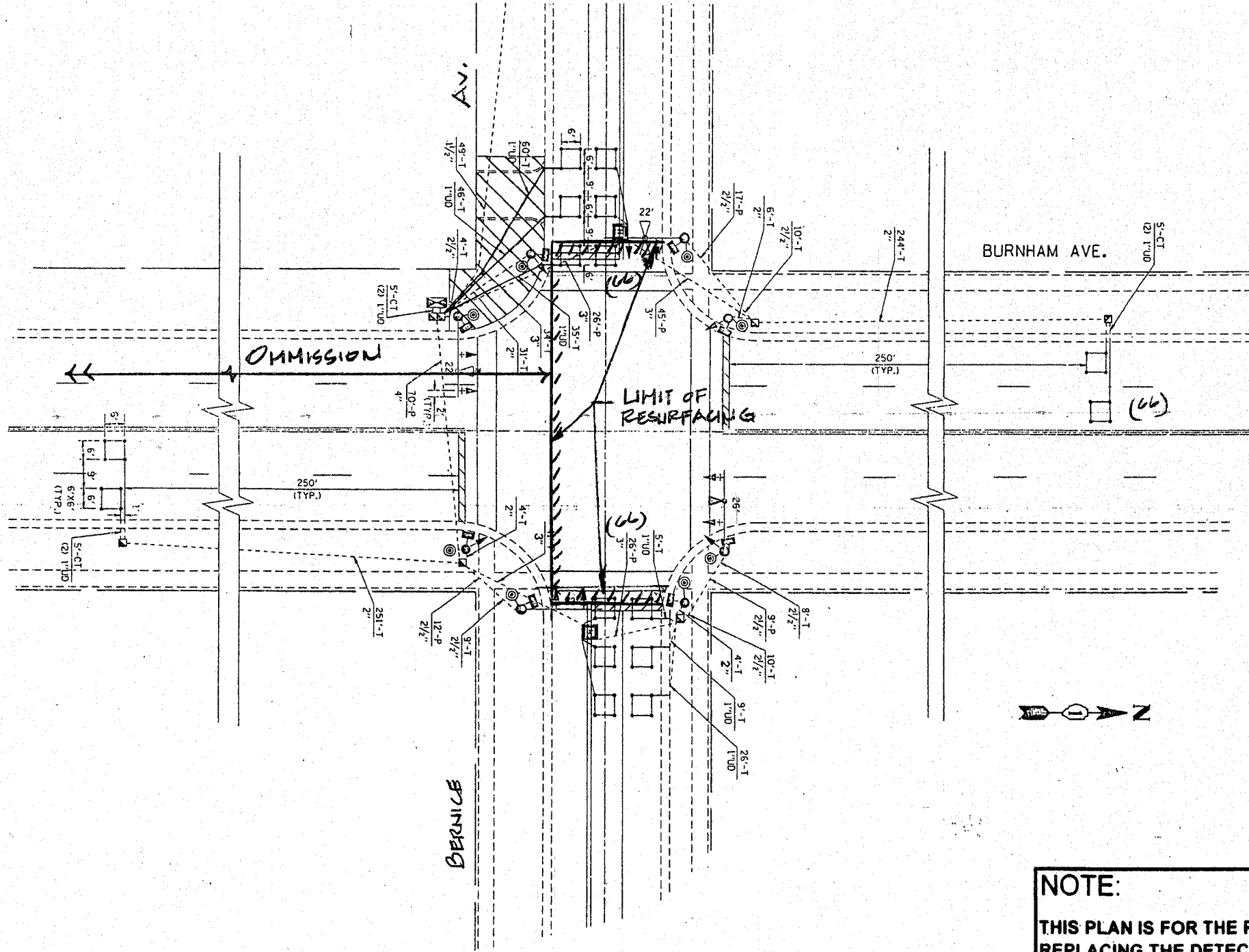
SCALE: VERT. _____
 HORIZ. _____
 DATE _____

DRAWN BY _____
 CHECKED BY _____

Cont 60829

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1999-162 RS	COOK	48	32
STA. TO STA.			
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT			

TRAFFIC SIGNAL LEGEND	
PROPOSED	EXISTING



NOTE:
 THIS PLAN IS FOR THE PURPOSE OF REPLACING THE DETECTOR LOOPS ONLY. ALL OTHER INFORMATION SHOWN IS NOT RELATED AND WILL BE DISREGARDED.

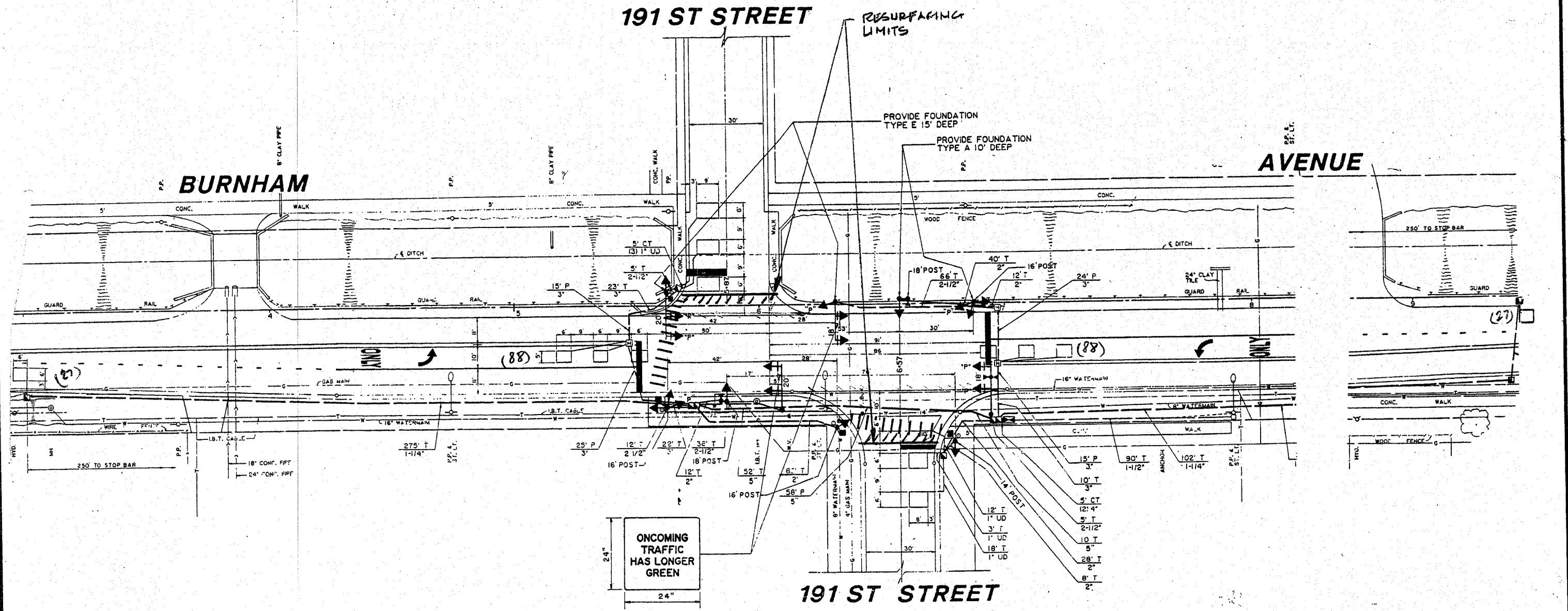
REPLACE ALL DETECTOR LOOPS AS SHOWN
 (WITHIN THE RESURFACING LIMITS)

CODE NO.	QUANTITY	UNIT	ITEM
86600600	192	Foot	Detector Loop Replacement

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
DETECTOR LOOP REPLACEMENT
 BURNHAM AV. @ BERNICE AV
 SCALE NONE
 DATE JAN 07
 DRAWN BY JHE
 DESIGNED BY JHE
 CHECKED BY JHE

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1999-162-RS	COOK	48	34
STA. TO STA.		FED. ROAD DIST. NO. T ILLINOIS	
		FED. AID PROJECT	



ONCOMING TRAFFIC HAS LONGER GREEN

NOTE:
 THIS PLAN IS FOR THE PURPOSE OF REPLACING THE DETECTOR LOOPS ONLY. ALL OTHER INFORMATION SHOWN IS NOT RELATED AND WILL BE DISREGARDED.

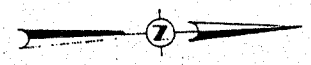
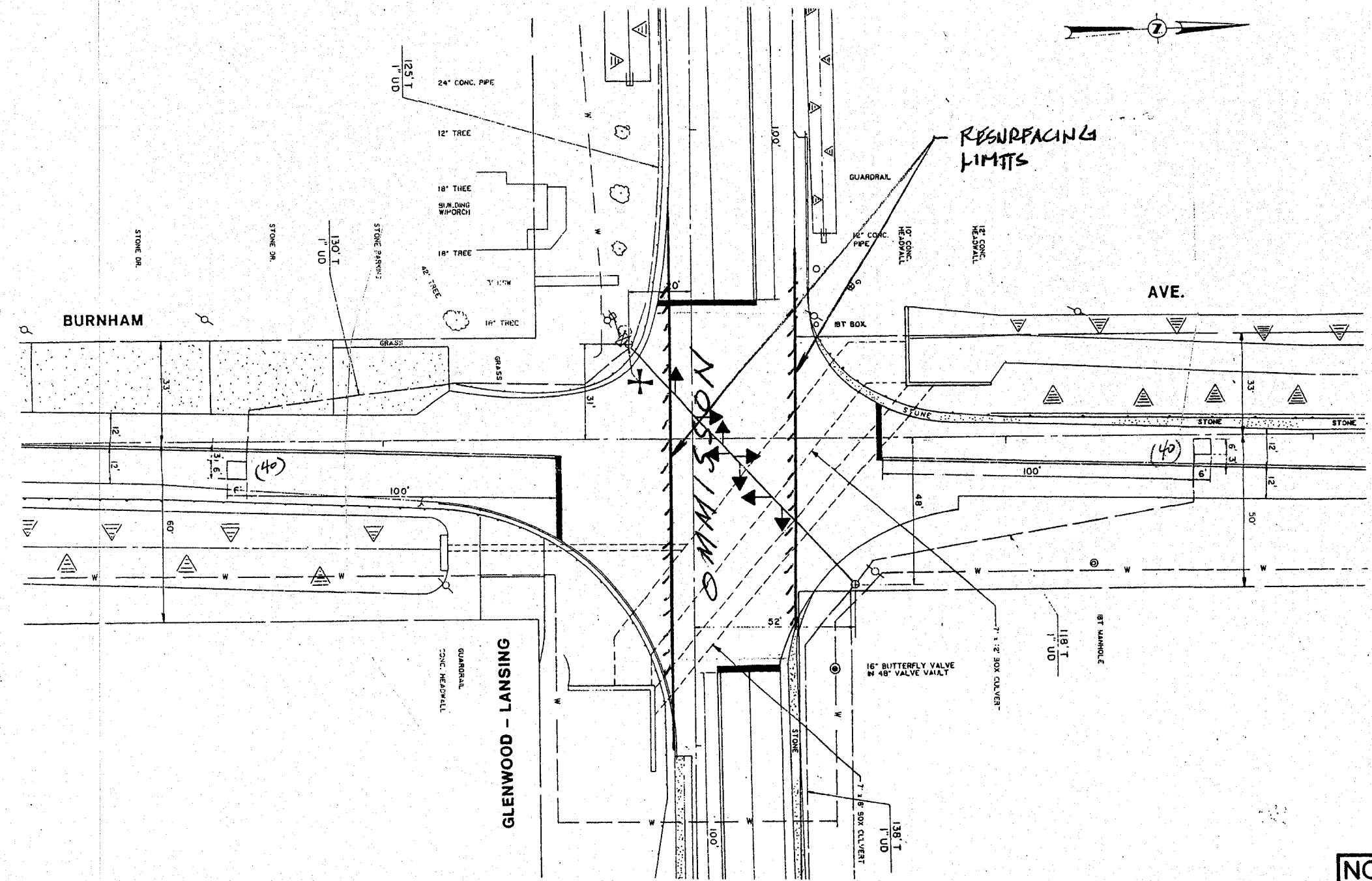
REPLACE ALL DETECTOR LOOPS AS SHOWN
 (WITHIN THE RESURFACING LIMITS)

CODE NO.	QUANTITY	UNIT	ITEM
86600600	230	Foot	Detector Loop Replacement

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
DETECTOR LOOP REPLACEMENT
 BURNHAM AV. @ 191ST STREET
 SCALE: NONE
 DATE: JAN. 2007
 DRAWN BY: JHE
 DESIGNED BY: JHE
 CHECKED BY: DAD

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1999-162 R3	COOK	48	35
STA. TO STA.		FED. ROAD DIST. NO. 7 ILLINOIS	
		FED. AID PROJECT	



NOTE:
 THIS PLAN IS FOR THE PURPOSE OF REPLACING THE DETECTOR LOOPS ONLY. ALL OTHER INFORMATION SHOWN IS NOT RELATED AND WILL BE DISREGARDED.

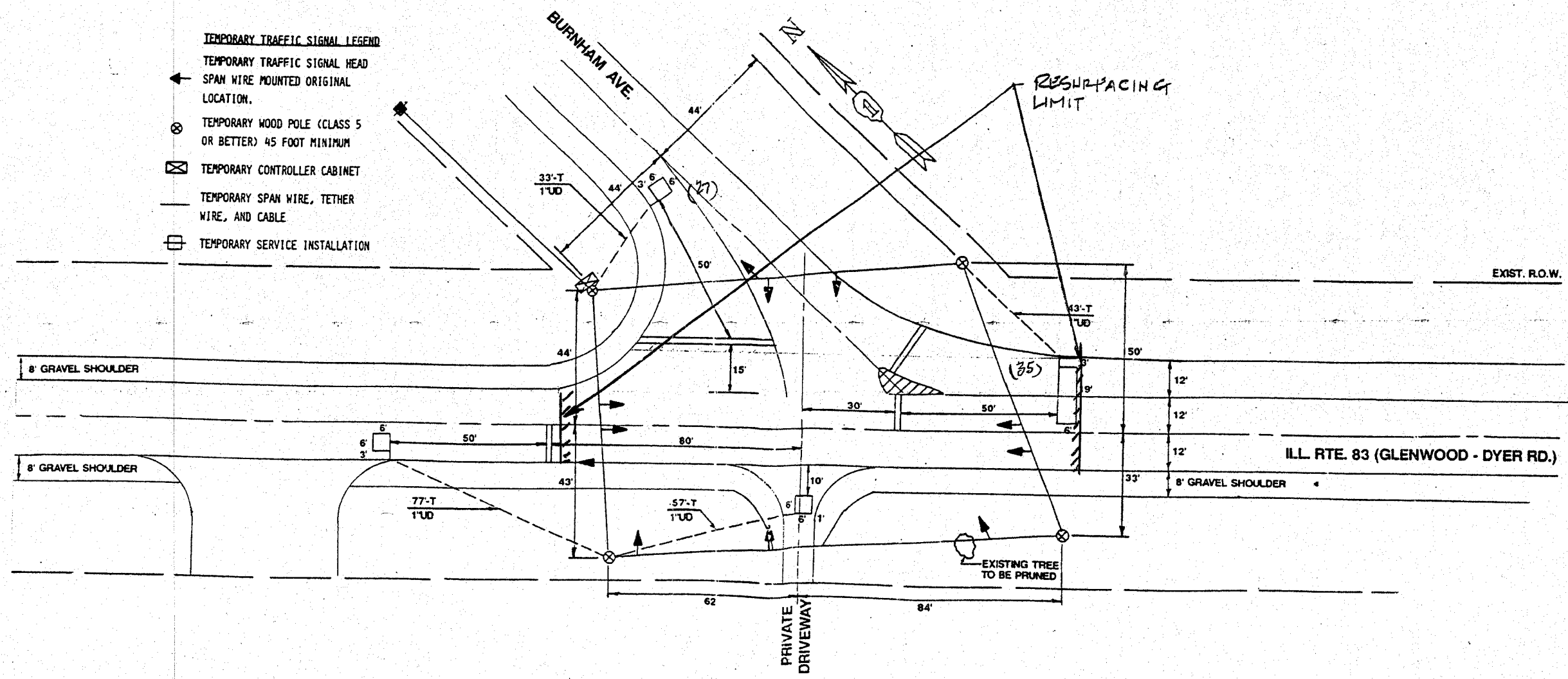
REPLACE ALL DETECTOR LOOPS AS SHOWN
 (WITHIN THE RESURFACING LIMITS)

CODE NO.	QUANTITY	UNIT	ITEM
86600600	80	Foot	Detector Loop Replacement

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
DETECTOR LOOP REPLACEMENT
 BURNHAM AV. @ GLENWOOD / LANSING RD.
 SCALE None
 DATE JAN. 07
 DRAWN BY JHE
 DESIGNED BY JHE
 CHECKED BY DAD.

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1999-162 RS	COOK	48	36
STA. TO STA.		FED. ROAD DIST. NO. 7 ILLINOIS	
		FED. AID PROJECT	



- TEMPORARY TRAFFIC SIGNAL LEGEND**
- ← TEMPORARY TRAFFIC SIGNAL HEAD
 - ← SPAN WIRE MOUNTED ORIGINAL LOCATION.
 - ⊗ TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT MINIMUM
 - ⊠ TEMPORARY CONTROLLER CABINET
 - TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE
 - ⊞ TEMPORARY SERVICE INSTALLATION

NOTE:
 THIS PLAN IS FOR THE PURPOSE OF REPLACING THE DETECTOR LOOPS ONLY. ALL OTHER INFORMATION SHOWN IS NOT RELATED AND WILL BE DISREGARDED.

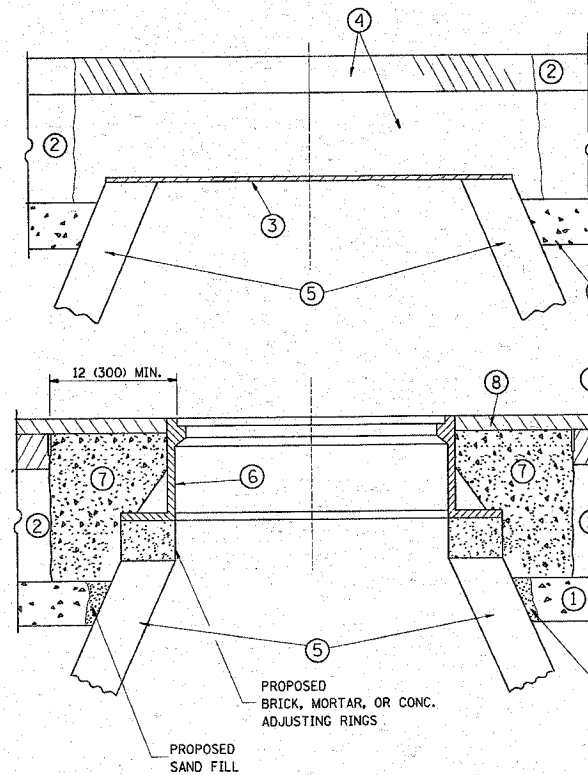
REPLACE ALL DETECTOR LOOPS AS SHOWN
 (WITHIN THE RESURFACING LIMITS)

CODE NO.	QUANTITY	UNIT	ITEM
86600600	62	Foot	Detector Loop Replacement

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
DETECTOR LOOP REPLACEMENT
 BURHAM AV. @ ILL. RTE. 83
 SCALE NONE
 DATE JAN. 2007
 DRAWN BY: JHE
 DESIGNED BY: JHE
 CHECKED BY: DAD

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	1999-162 RS	Cook	48	37
STA.		TO STA.		
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

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.

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.

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

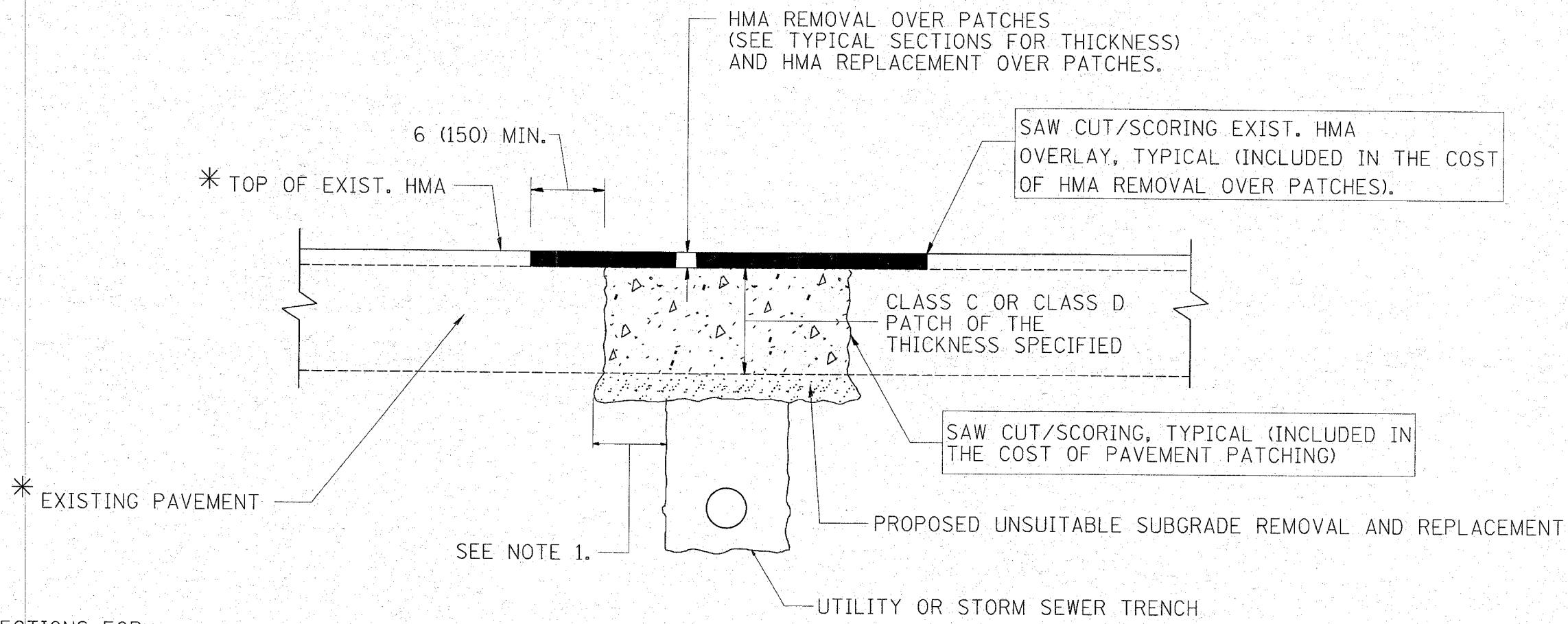
ILLINOIS DEPARTMENT OF TRANSPORTATION
**DETAILS FOR
 FRAMES AND LIDS ADJUSTMENT
 WITH MILLING**

SCALE: VERT. NONE
 HORIZ.

DRAWN BY
 CHECKED BY

BD600-03 (BD-8)

CONTRACT NO. 60229				
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	1999-162 R.S	Cook	48	38
STA.		TO STA.		
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

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	
NAME	DATE
R. SHAH	10/25/94
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

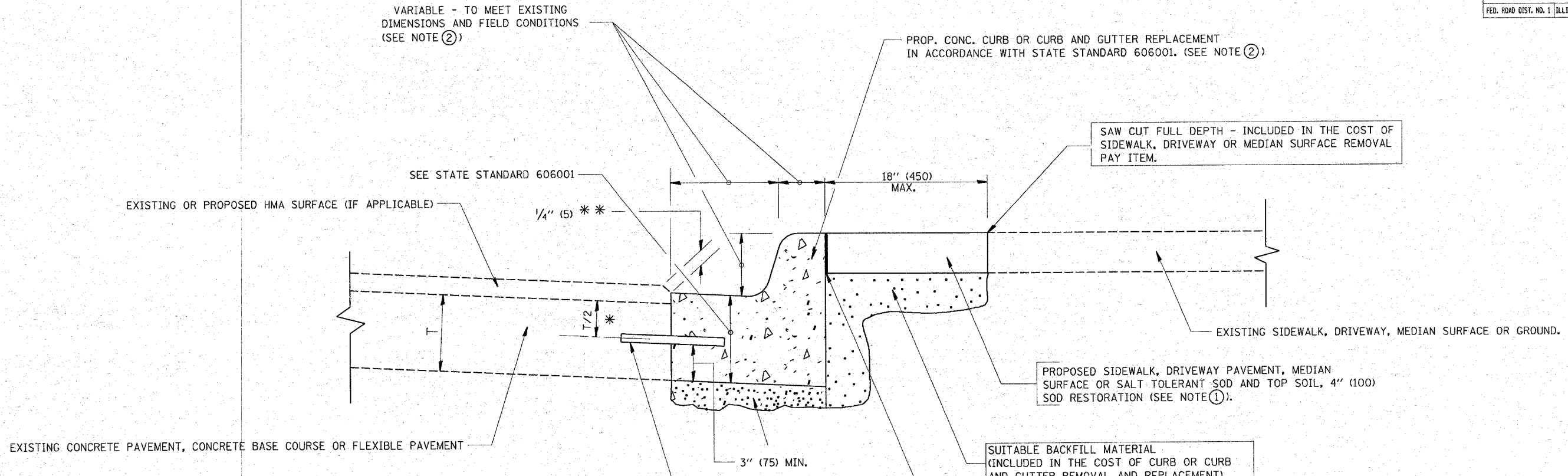
ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT

SCALE: VERT. NONE
HORIZ. NONE

DRAWN BY
CHECKED BY
BD400-04 (BD-22)

PLOT DATE = 3/10/2008
PLOT SCALE = 1/8"=1'-0"
USER NAME = abbas

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	1999-162 RS	Cook	48	39
STA.		TO STA.		
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.

UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.

REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USUABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

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

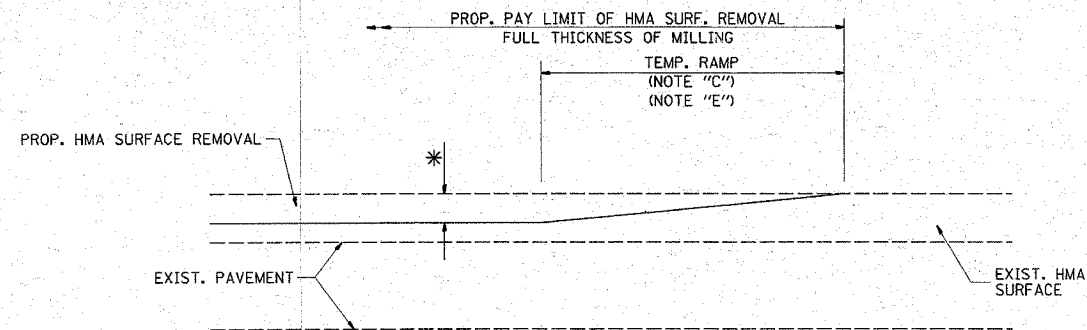
ILLINOIS DEPARTMENT OF TRANSPORTATION
CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

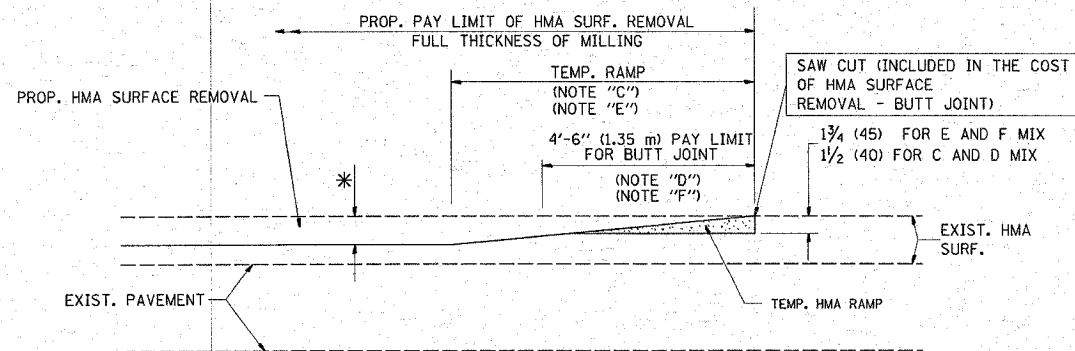
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FILE NAME = M:\projects\24136\bd24.dgn
PLOT SCALE = 5/8" = 1' / IN.
USER NAME = abbeve

F.A.D. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	1999-162 R.S	Cook	40	40
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



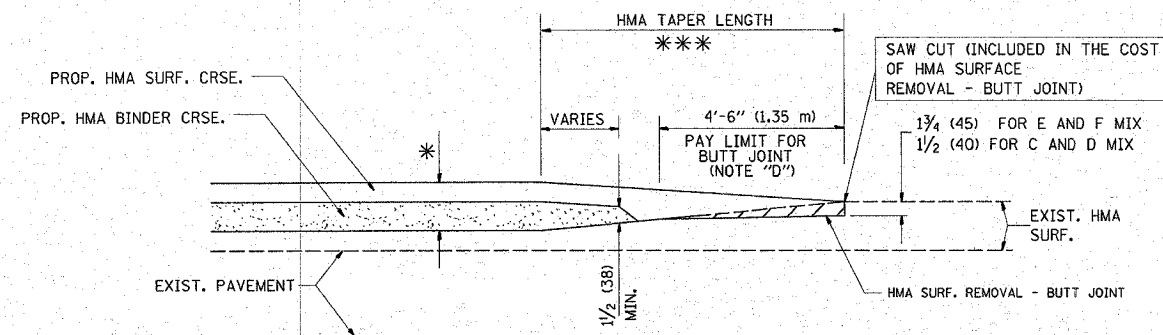
MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1



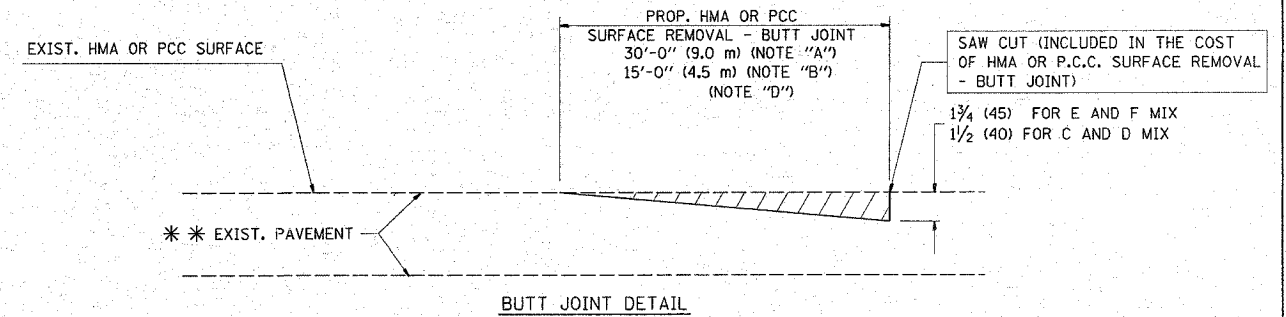
HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2
TYPICAL TEMPORARY RAMP

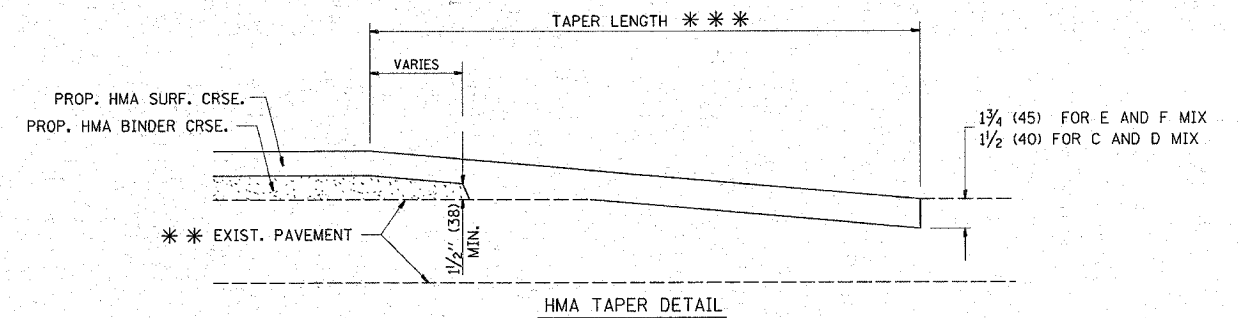


BUTT JOINT AND
HMA TAPER

**TYPICAL BUTT JOINT AND HMA TAPER
FOR MILLING AND RESURFACING**



BUTT JOINT DETAIL



**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**

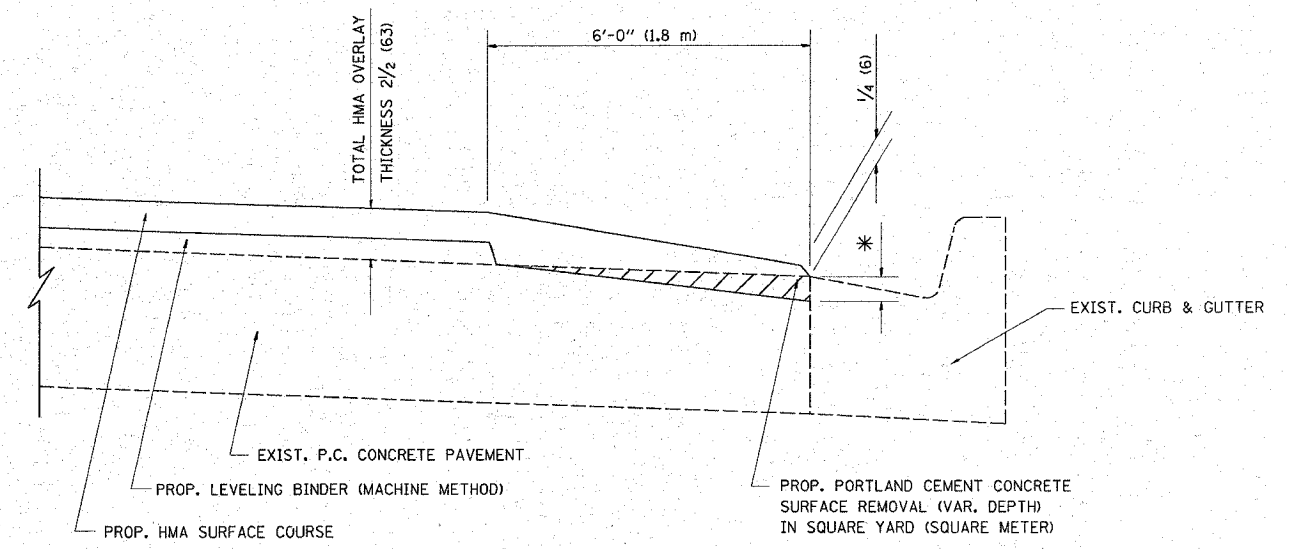
SCALE: VERT. NONE
HORIZ. NONE

DRAWN BY

CHECKED BY

BD400-05 (VI-BD32)

F.A.W. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	1999-162 R.S	COOK	48	41
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



HMA TAPER AT
EDGE OF P.C.C PAVEMENT

HMA SURFACE	THICKNESS	LEVELING BINDER THICKNESS	* MILLING AT GUTTER FLAG
MIX			
C OR D	1 1/2 (38)	1 (25)	1/4 (33)
F	1 3/4 (44)	3/4 (19)	1/2 (38)

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

REVISIONS	
NAME	DATE
R. SHAH	09/10/94
R. SHAH	10/25/94
A. ABBAS	05/05/99
E. GOMEZ	12/21/00
R. BORO	01/01/07

ILLINOIS DEPARTMENT OF TRANSPORTATION

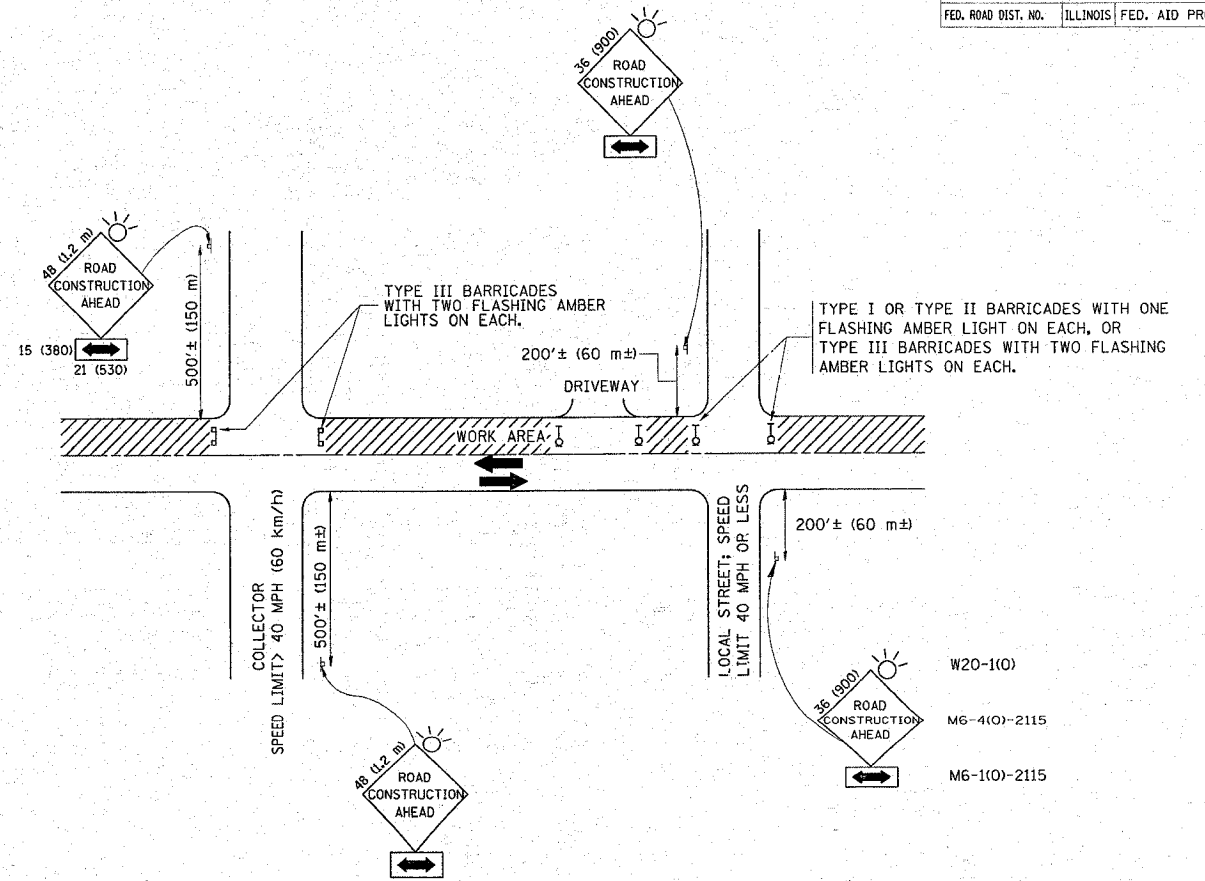
**HMA TAPER AT
EDGE OF P.C.C. PAVEMENT**

SCALE: VERT. NONE
HORIZ. NONE

DRAWN BY Jls
CHECKED BY A. ABBAS
BD400-06 (BD33)

PLOT DATE = 2/10/2008
PLOT SCALE = 1/4" = 1'-0"
USER NAME = abbasov

F.A.D. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	1999-162 R5	Cook	48	42
STA.		TO STA.		
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 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).
- 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.

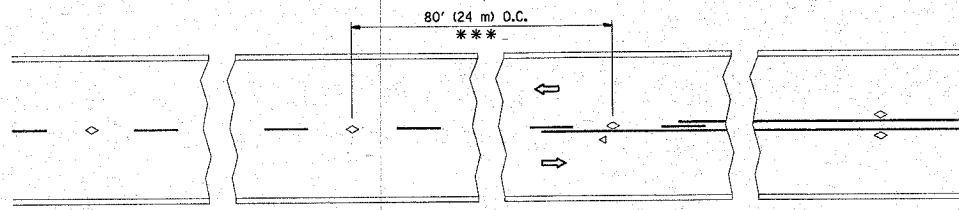
REVISIONS	
NAME	DATE
LHA	6/89
T. RAMMACHER	09/08/94
J. OBERLE	10/18/95
A. HOUSEH	03/06/96
A. HOUSEH	10/15/96
T. RAMMACHER	01/06/00

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

SCALE: NONE

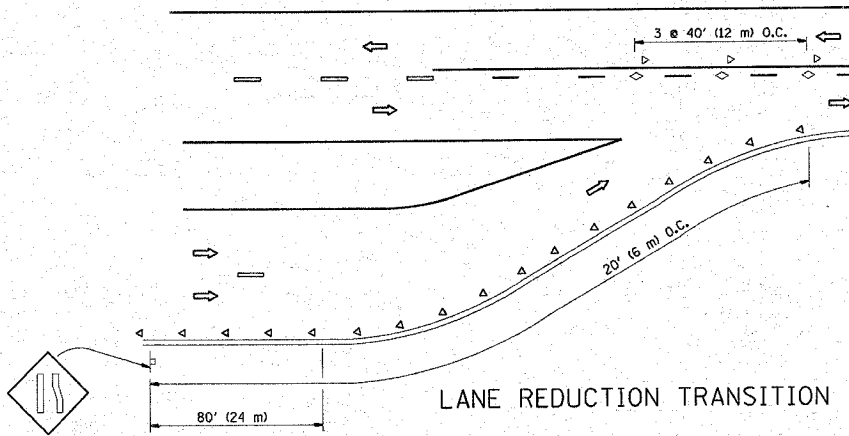
DRAWN BY
 CHECKED BY
 TC-10

F.A.I.D. SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1999-112 R 5	Cook	48	43
STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

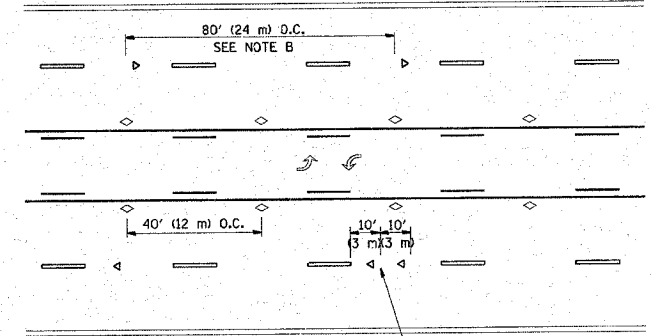


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

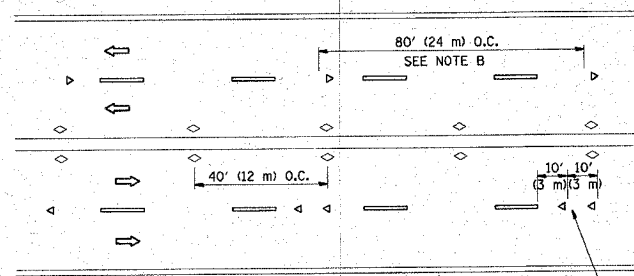
TWO-LANE/TWO-WAY



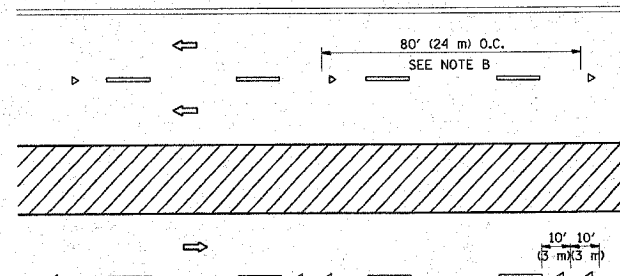
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

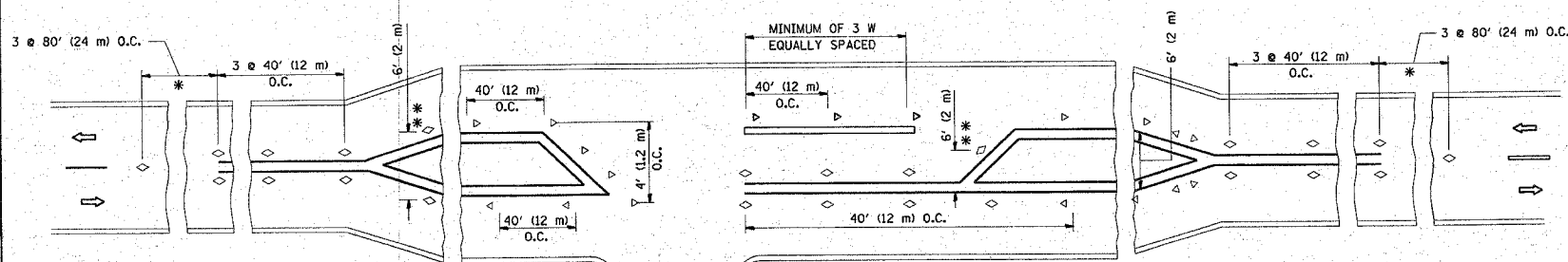
1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

- YELLOW STRIPE
- WHITE STRIPE
- ◁ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◇ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.
- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.



* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 ** WHERE THE MEDIAN WIDTH IS 6' (1.2 m) OR LESS USE TWO-WAY MARKERS.

LEFT TURN

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

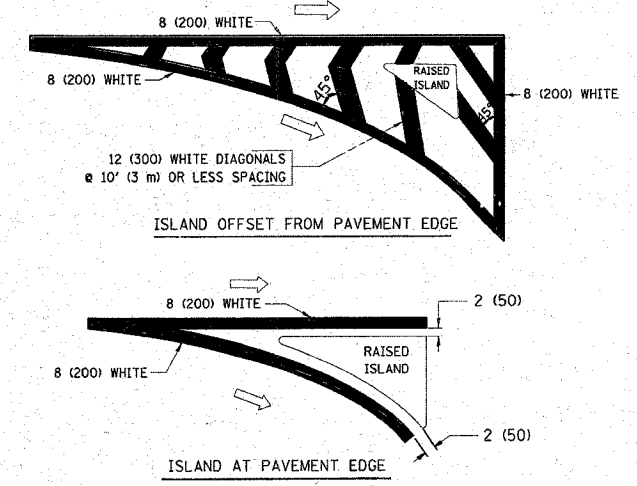
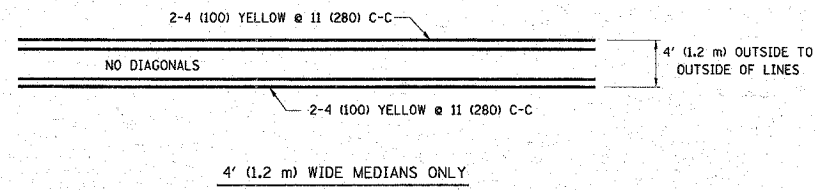
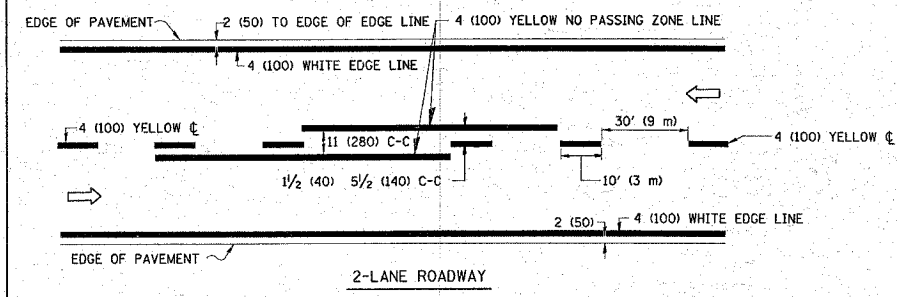
REVISIONS	
NAME	DATE
T. RAMMACHER	09-19-94
T. RAMMACHER	03-12-99
T. RAMMACHER	01-06-00

ILLINOIS DEPARTMENT OF TRANSPORTATION
 TYPICAL APPLICATIONS
 RAISED REFLECTIVE PAVEMENT
 MARKERS (SNOW-PLOW RESISTANT)

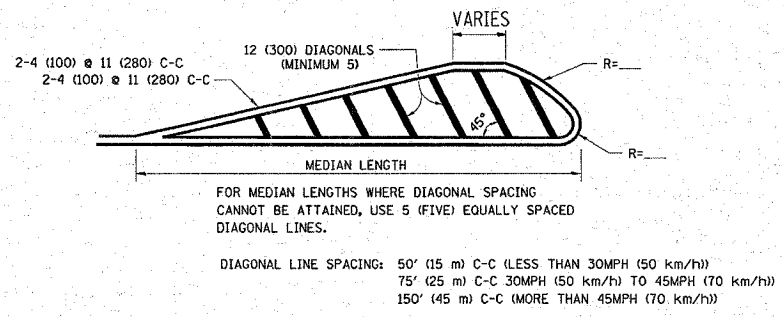
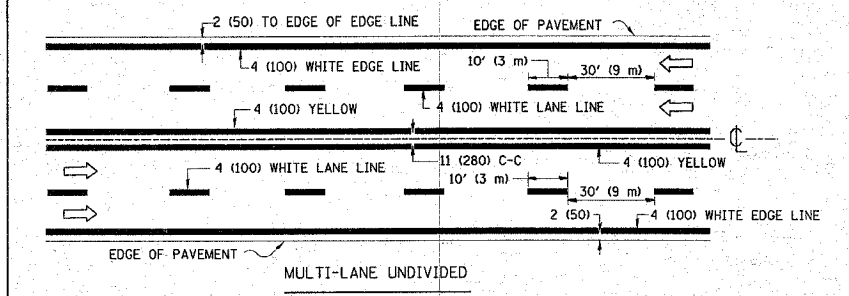
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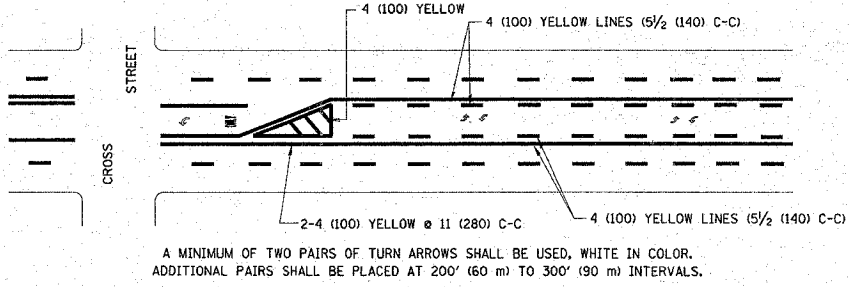
F.A.M. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	1999-162 R5	COOK	48	44
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



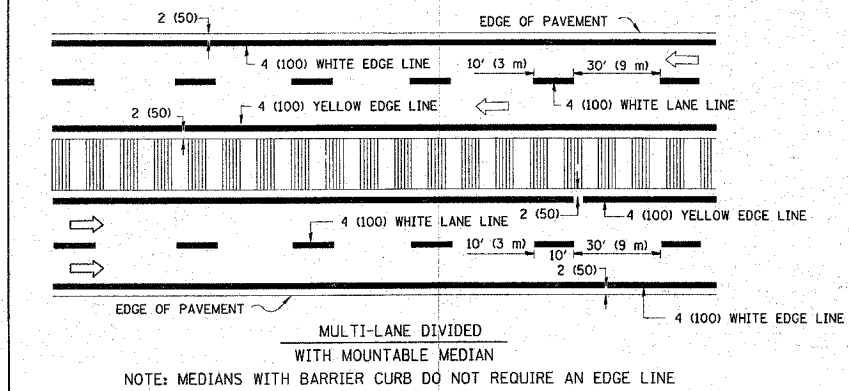
TYPICAL ISLAND MARKING



MEDIANS OVER 4' (1.2 m) WIDE

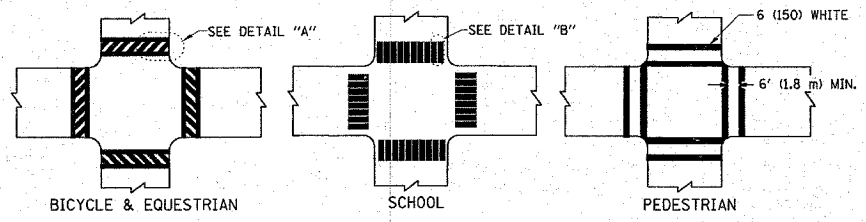


TYPICAL PAINTED MEDIAN MARKING

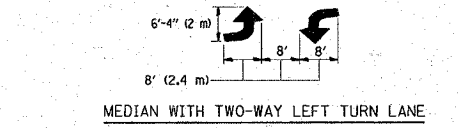


TYPICAL LANE AND EDGE LINE MARKING

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



TYPICAL CROSSWALK MARKING



TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE 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".

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	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.

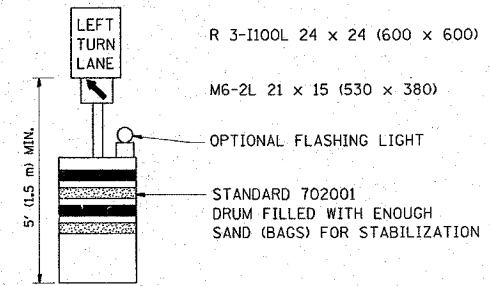
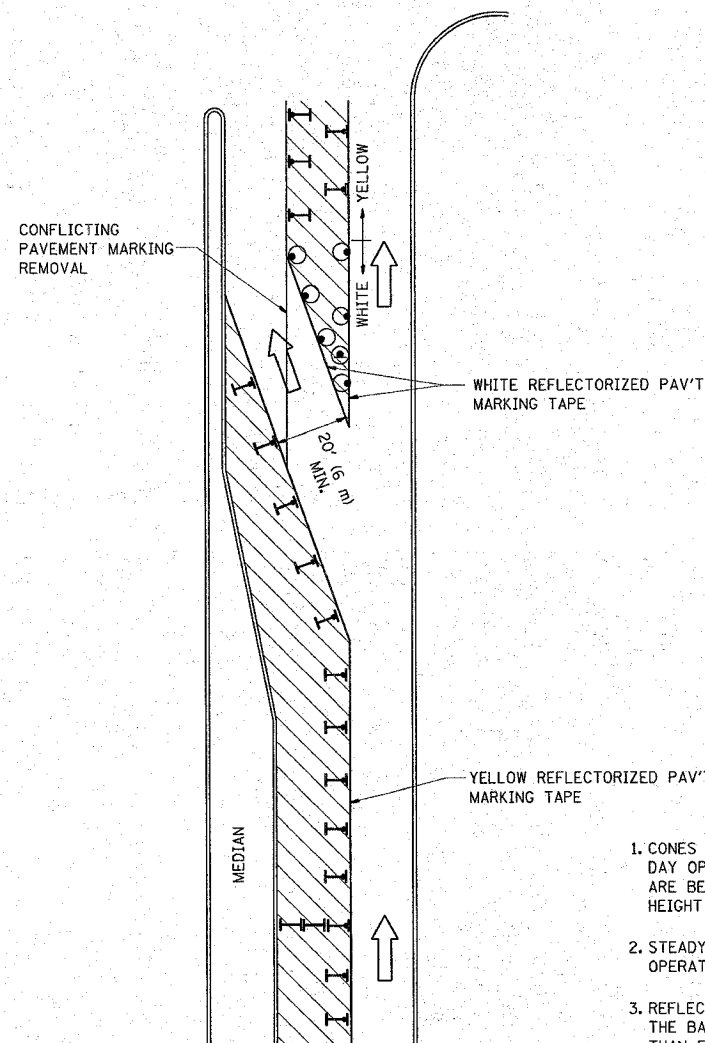
REVISIONS	
NAME	DATE
EVERS	03-19-90
T. RAMMACHER	10-27-94
ALEX HOUSEH	10-09-96
ALEX HOUSEH	10-17-96
T. RAMMACHER	01-06-00

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

SCALE: NONE
DRAWN BY CADD
CHECKED BY

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USER NAME = abelone

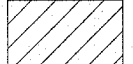
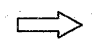




F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	1999-162 R.S.	Cook	48	45
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



GENERAL NOTES

1. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT. WHEN CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).
2. STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
3. REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH TURN BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.
4. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
5. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
7. FORM BT 725 IS REQUIRED.
8. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

LEGEND

-  WORK AREA
-  LANE OPEN TO TRAFFIC
-  TYPE I OR II BARRICADE WITH STEADY BURN LIGHT
-  DRUM WITH STEADY BURN LIGHT
-  DRUM WITH SIGN (WITH OPTIONAL FLASHING LIGHT) SEE DETAIL
-  TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

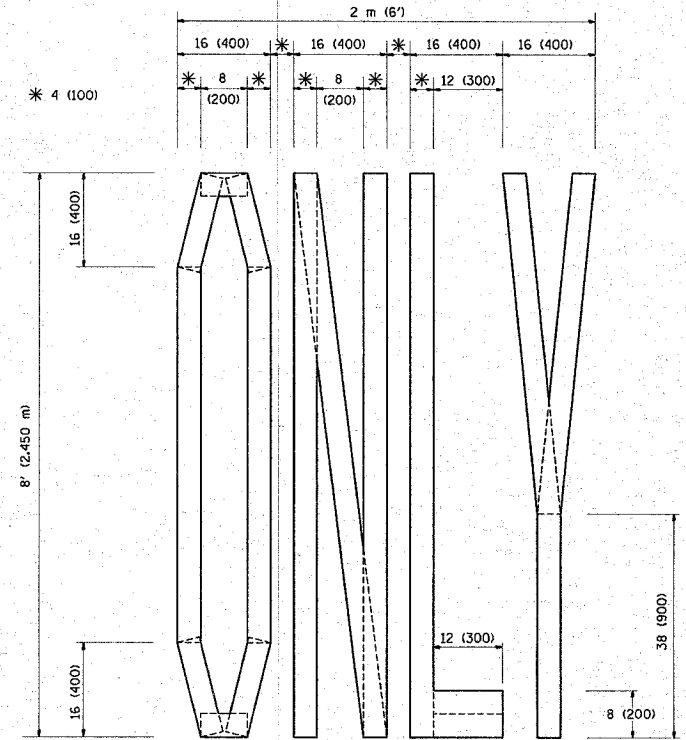
All dimensions are in inches (millimeters) unless otherwise shown.

REVISIONS	
NAME	DATE
T. RAMMACHER	09/08/94
A. HOUSEH	11/07/95
A. HOUSEH	10/12/96
T. RAMMACHER	01/06/00

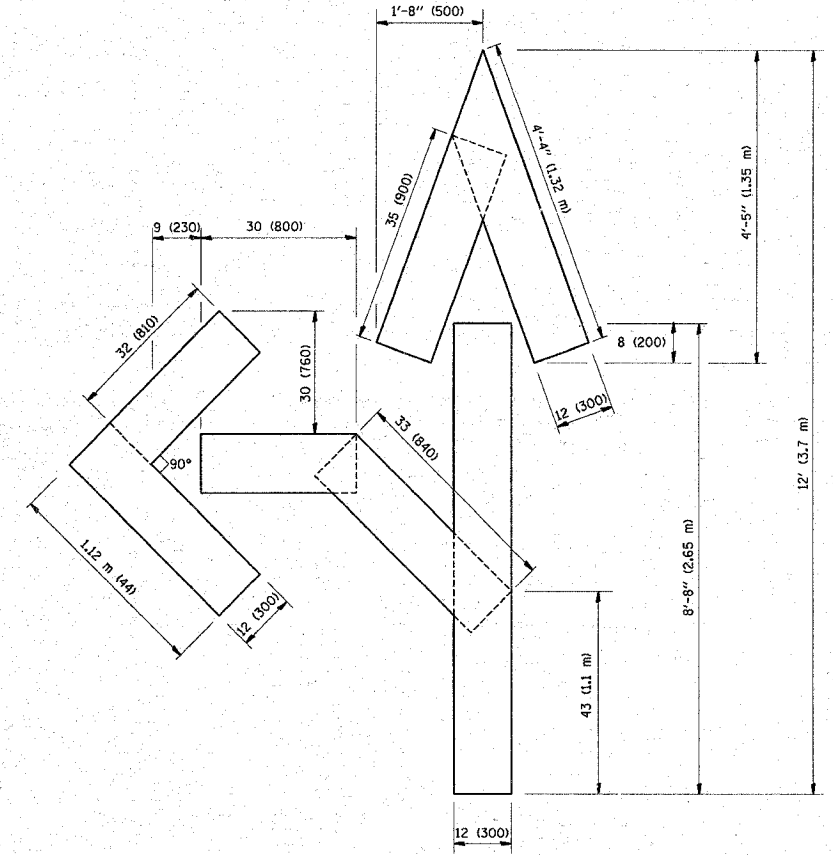
ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)

SCALE: NONE
DRAWN BY
CHECKED BY LHA
TC-14

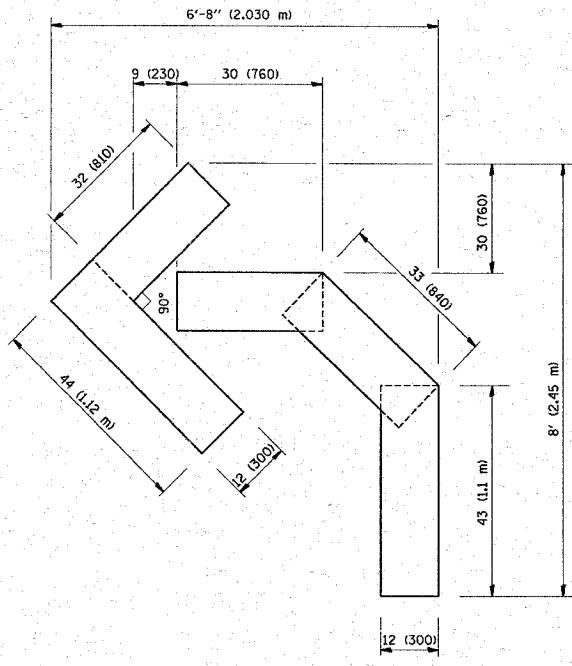
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	1999 - 162 RS	Cook	48	46
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



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



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



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

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

REVISIONS	
NAME	DATE
T. RAMMACHER	09/18/94
J. OBERLE	06/01/96
T. RAMMACHER	06/05/96
T. RAMMACHER	11/04/97
T. RAMMACHER	03/02/98
E. GOMEZ	08/28/00

ILLINOIS DEPARTMENT OF TRANSPORTATION

**PAVEMENT MARKING
LETTERS AND SYMBOLS
FOR TRAFFIC STAGING**

SCALE: NONE

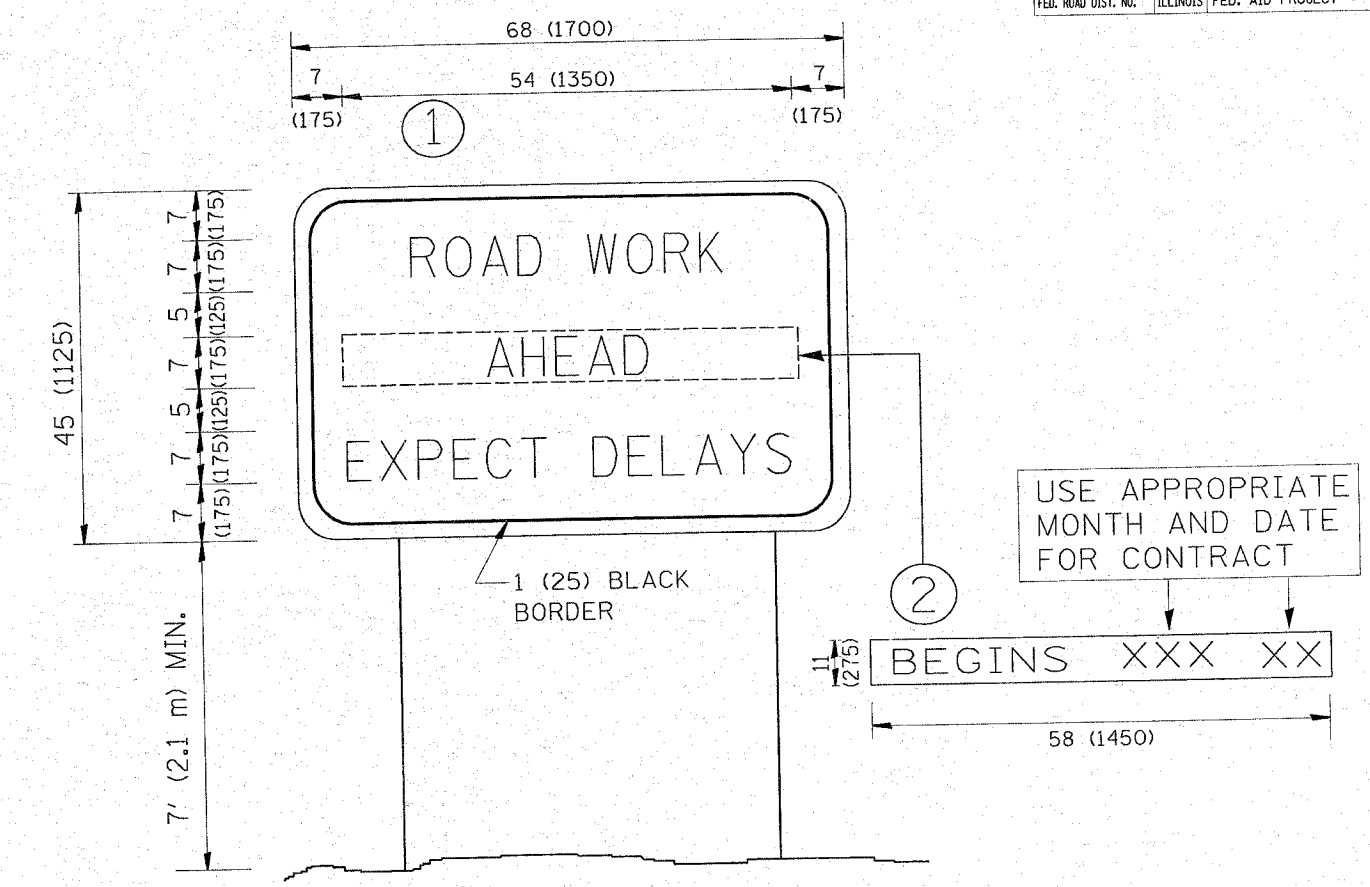
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CHECKED BY

TC-16

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USER NAME = dbmbs

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2943	1999-162.R5	Cook	48	47
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

REVISIONS	
NAME	DATE
R. MIRS	9-15-97
R. MIRS	12-11-97
T. RAMMACHER	2-2-99
C. JUCIUS	1-31-07

ILLINOIS DEPARTMENT OF TRANSPORTATION
ARTERIAL ROAD INFORMATION SIGN
SCALE: NONE
DRAWN BY DESIGN
CHECKED BY
TC22

PLOT DATE = 3/18/2008
FILE NAME = W:\users\td\4686\ec22.dgn
USER NAME = abobene

