



F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
09-00083-00-RS	COOK	ILLINOIS	17	2
STA.		TO STA.		
FED. ROAD DIST. NO. C-91-773-09	ILLINOIS	FED AID PROJECT ARA-9003(386)		
* FAU 3557 BURLINGTON AVENUE CONTRACT NO. 63332				

### GENERAL NOTES

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE DETAILS IN THE PLANS, THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS, AND THE LATEST EDITION OF THE FOLLOWING STATE OF ILLINOIS SPECIFICATIONS: "THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" (REFERRED TO AS THE "STANDARD SPECIFICATIONS"), THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS" AND THE "MANUAL OF TEST PROCEDURES FOR MATERIALS".
- THE CONTRACTOR SHALL HAVE THE RESPECTIVE UTILITY COMPANIES FIELD LOCATE ALL THEIR FACILITIES PRIOR TO BEGINNING CONSTRUCTION. THE CONTRACTOR SHALL ALSO VERIFY THE DEPTHS OF THE EXISTING UTILITIES IF NECESSARY. ALL RELOCATION OR LOWERING OF UTILITIES SHALL BE COORDINATED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND OR SURFACE UTILITIES EVEN THOUGH THEY MAY NOT BE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE TO THE SATISFACTION OF THE ENGINEER OR VILLAGE.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT LEAST 48 HOURS IN ADVANCE OF BEGINNING WORK TO OBTAIN VILLAGE UTILITY LOCATIONS AND SHALL COORDINATE ALL CONSTRUCTION OPERATIONS WITH THE ENGINEER.
- MATERIALS RESULTING FROM THE REMOVAL OF PAVEMENT, DRIVEWAYS, CURB AND GUTTER, HOT-MIX ASPHALT SURFACES, SIDEWALKS AND EXCAVATION FOR NEW SIDEWALKS ETC. SHALL BE REMOVED AT THE END OF EACH DAY TO AN APPROVED SITE. IN THE JUDGMENT OF THE VILLAGE, SHOULD IT BE NECESSARY TO REMOVE SUCH MATERIALS, THE VILLAGE WILL HAVE THE MATERIAL REMOVED AND THE CONTRACTOR WILL BE BILLED (CHARGED) ACCORDINGLY.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL WATER REQUIRED FOR THIS PROJECT FROM AN OFFSITE LOCATION.
- IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY RESIDENTS AND THE VILLAGE WHEN ACCESS TO THEIR DRIVEWAYS WILL BE TEMPORARILY CLOSED DUE TO DRIVEWAY REPLACEMENT. THE CONTRACTOR SHALL DISTRIBUTE NOTICES PROVIDED BY THE VILLAGE TO RESIDENTS. EVERY EFFORT SHALL BE MADE TO ACCOMMODATE ACCESS TO THESE PROPERTIES INCLUDING KNOCKING ON DOORS WHEN DRIVEWAYS ARE ABOUT TO BE CLOSED.
- THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS OR PROPERTY OR REFERENCE MARKERS UNTIL THE OWNERS, HIS AGENT OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.
- THE CONTRACTOR SHALL NOTIFY IDOT BUREAU OF MATERIALS (PHONE 847-705-4337) AT LEAST 24 HOURS PRIOR TO THE PLACEMENT OF HMA OR CONCRETE.
- ANY SIGNS OR MAILBOXES THAT ARE IN CONFLICT WITH THE PROPOSED CONSTRUCTION SHALL BE REMOVED AND REPLACED IN ACCORDANCE WITH VILLAGE STANDARDS AND INCLUDED IN THE COST OF THE CONTRACT. MAIL SERVICE SHALL BE MAINTAINED AT ALL TIMES.
- EXISTING PAVEMENT, DRIVEWAY PAVEMENT, CURB AND GUTTER AND SIDEWALK TO REMAIN IN PLACE SHALL BE SAW CUT FULL DEPTH TO PROVIDE A NEAT VERTICAL FACE BETWEEN THE PROPOSED AND EXISTING AND SHALL BE INCLUDED IN THE PRICE OF THE APPROPRIATE REMOVAL PAY ITEM.
- THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SANDBAGS ON EACH TYPE I OR TYPE II BARRICADE USED. ONE (1) WEIGHTED SANDBAG SHALL BE PLACED ACROSS EACH BOTTOM RAIL.
- THE PRIME COAT APPLICATION RATE SHALL BE 0.1 GAL/SY. THE MC-30 PRIME COAT APPLICATION RATE SHALL BE 0.3 GAL/SY.
- THE LOCATIONS OF THE CLASS D PATCHES SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.
- ALL AGGREGATE USED ON THIS PROJECT SHALL BE CRUSHED MATERIAL.
- THE QUANTITIES FOR PATCHING WILL NOT EXCEED THE AMOUNT LISTED IN THE SUMMARY OF QUANTITIES.
- THE DAYS PAVING OPERATION SHALL RESULT IN A SINGLE TRANSVERSE JOINT. ANY COLD LONGITUDINAL JOINTS WILL NOT BE ACCEPTED. PROVIDING A SINGLE TRANSVERSE JOINT SHALL BE ACCOMPLISHED BY PAVING ONE LANE OF SUFFICIENT LENGTH THAT WILL ALLOW FOR THE PAVING OF THE ADJACENT LANE IN THE SAME DAY.

- ON STREETS TO BE FULL WIDTH MILLED (2" OR MORE), THE STRUCTURES IN THE PAVEMENT SHALL BE ADJUSTED IN ACCORDANCE WITH THE IDOT DETAIL "DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING". THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR FRAMES AND LIDS TO BE REPLACED.
- IN THE AREAS WHERE SIDEWALK IS TO BE REMOVED AND REPLACED, THE REMOVAL AND DISPOSAL OF ANY ADDITIONAL MATERIAL REQUIRED TO ESTABLISH THE PROPOSED SIDEWALK SUBGRADE ELEVATION SHALL BE INCLUDED IN THE PAY ITEM FOR SIDEWALK REMOVAL. AGGREGATE FOR TEMPORARY ACCESS SHALL BE INCLUDED IN THE PAY ITEM FOR SIDEWALK REMOVAL.
- DETECTABLE WARNINGS SHALL BE CONSTRUCTED WITH THE INSTALLATION OF A "ACCESS TILE TRUNCATED DOME, DETECTABLE WARNING TACTILE SURFACE" MANUFACTURED BY "ACCESS PRODUCTS INC (630) 689-7574 OF THE MIDWEST REGION OR AN APPROVED EQUAL. THE PANEL SHALL BE STAINLESS STEEL IN COMPOSITION AND COMPLY WITH ADA REQUIREMENTS. THE DOMES LOCATED ON THE PANEL SHALL PARALLEL THE PAVEMENT CROSS WALK WITH THE CLOSEST EDGE LOCATED AT THE BACK OF CURB. THE SIZE OF THE PANEL TO BE INSTALLED SHALL BE AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THE PANEL WIDTH SHALL EXTEND ACROSS THE ENTIRE DEPRESSED CURB LENGTH. THE PANEL COLOR SHALL BE SELECTED BY THE VILLAGE. INSTALLATION SHALL OCCUR IN ACCORDANCE WITH THE MANUFACTURERS RECOMMENDATIONS.
- SALT TOLERANT SOD AND TOP SOIL, 4" RESTORATION WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF CURB AND GUTTER REMOVAL AND REPLACEMENT OR PCC SIDEWALK 5".
- CONNECTION OF PROPOSED STORM SEWER TO EXISTING SEWER OR EXISTING SEWER STRUCTURES SHALL BE ACCOMPLISHED WITH STORM SEWERS, RUBBER GASKET, TYPE A, 12". THE COST OF THE PIPE AND THE CONNECTION TO EXISTING SEWER SYSTEM SHALL BE INCLUDED IN THE COST OF PROPOSED STORM SEWER STRUCTURES.
- ALL SIGN POSTS SHALL BE MADE OF A SQUARE TWO PIECE UNISTRUT TELESBAR AND SHALL BE 12-GAUGE HOT DIPPED GALVANIZED STEEL.
- THE BASE COLOR SHALL BE DIAMOND GRADE WHITE WITH GREEN E.C. FILM LETTERING AND SHALL VARY IN LENGTH ACCORDING TO THE STREET NAME. THE VILLAGE OF LA GRANGE LOGO SHALL BE ON THE LEFT SIDE OF THE SIGN AND SHALL BEGIN 3 INCHES FROM THE END OF THE BLADE. THE LETTERING SHALL BEGIN 2 INCHES FROM THE LOGO AND END 3 INCHES FROM THE END OF THE BLADE.
- THE CONTRACTOR SHALL ACQUIRE A RIGHT-OF-WAY ENTRY AGREEMENT FROM THE BNSF RAILROAD BY SUBMITTING AN APPLICATION AND FEE PRIOR TO STARTING ANY CONSTRUCTION IN THE RAILROAD RIGHT-OF-WAY. THE COST SHALL BE INCLUDED IN THE COST FOR MOBILIZATION.

### INDEX OF SHEETS

SHEET NO.	TITLE
1	COVER SHEET
2	INDEX OF SHEETS, HIGHWAY STANDARDS, GENERAL NOTES, AND LEGEND
3	SUMMARY OF QUANTITIES AND SCHEDULE OF MATERIALS
4	TYPICAL SECTIONS AND HMA MIXTURE REQUIREMENTS
5	SUGGESTED MAINTENANCE OF TRAFFIC
6	SUGGESTED MAINTENANCE OF TRAFFIC DETAIL
7 - 8	PLAN SHEETS
9 - 10	PAVEMENT MARKING PLANS
11	CONCRETE GUTTER DETAIL
12	DISTRICT 1 DETAIL - BD-08 DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING
13	DISTRICT 1 DETAIL - BD-24 CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
14	DISTRICT 1 DETAIL - BD-32 BUTT JOINTS AND HMA TAPER DETAILS
15	DISTRICT 1 DETAIL - TC-10 TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
16	DISTRICT 1 DETAIL - TC-13 DISTRICT ONE TYPICAL PAVEMENT MARKINGS
17	DISTRICT 1 DETAIL - TC-18 SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

### LEGEND

	BUTT JOINT OR DRIVEWAY BUTT JOINT
	FRAME AND LIDS TO BE REPLACED
	DRAINAGE & UTILITY STRUCTURES TO BE ADJUSTED
	DRAINAGE STRUCTURES TO BE RECONSTRUCTED
	MANHOLE

### BENCHMARKS

BM #1	N.E. BOLT ON FIRE HYDRANT AT THE N.E. CORNER OF BRAINARD AVENUE AND BURLINGTON AVENUE. ELEV.=100.00 (ASSUMED DATUMN)
BM #2	N.E. BOLT ON FIRE HYDRANT ON THE SOUTH SIDE OF BURLINGTON AVENUE IN FRONT OF THE LA GRANGE FIRE DEPARTMENT. ELEV.=96.85 (ASSUMED DATUMN)

### HIGHWAY STANDARDS

000001-05	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
424001-05	CURB RAMPS FOR SIDEWALKS
442101-07	CLASS B PATCHES
442201-03	CLASS C AND D PATCHES
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701501-05	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701801-04	MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901-01	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-02	SIGN PANEL ERECTION DETAILS
720011-01	METAL POSTS FOR SIGNS, MARKER AND DELINEATORS
729001-01	APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS AND MARKERS)
780001-02	TYPICAL PAVEMENT MARKINGS

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DATE - 07-20-09	FILE - 090347-GenNotes.sht

**VILLAGE OF LA GRANGE, ILLINOIS**  
**FAU 3557 BURLINGTON AVENUE RESURFACING**  
**SECTION 09-00083-00-RS**

**INDEX OF SHEETS, HIGHWAY STANDARDS,**  
**GENERAL NOTES AND LEGEND**

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09-00083-00-RS	COOK	ILLINOIS	17	2
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* FAU 3557 BURLINGTON AVENUE CONTRACT NO. 63332				

**SUMMARY OF QUANTITIES**

CODE NO.	ITEM DESCRIPTION	UNIT	CONSTRUCTION CODE 1000 TOTAL QUANTITY
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	278
40600300	AGGREGATE (PRIME COAT)	TON	19
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	2
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	390
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	150
x 40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	780
40800010	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	929
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	80
x 42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	2500
x 42400800	DETECTABLE WARNINGS	SQ FT	348
44000100	PAVEMENT REMOVAL	SQ YD	384
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	9281
44000600	SIDEWALK REMOVAL	SQ FT	2445
x 44001700	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	425
44200929	CLASS B PATCHES, TYPE I, 8 INCH	SQ YD	47
44200934	CLASS B PATCHES, TYPE II, 8 INCH	SQ YD	93
44200942	CLASS B PATCHES, TYPE III, 8 INCH	SQ YD	140
44200944	CLASS B PATCHES, TYPE IV, 8 INCH	SQ YD	186
44201713	CLASS D PATCHES, TYPE I, 6 INCH	SQ YD	47
44201717	CLASS D PATCHES, TYPE II, 6 INCH	SQ YD	93
44201721	CLASS D PATCHES, TYPE III, 6 INCH	SQ YD	140
44201723	CLASS D PATCHES, TYPE IV, 6 INCH	SQ YD	186
x 60234200	INLETS, TYPE A, TYPE I FRAME, OPEN LID	EACH	3
x 60602200	CONCRETE GUTTER	FOOT	1380
67100100	MOBILIZATION	L SUM	1
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1
72000100	SIGN PANEL - TYPE 1	SO FT	30
72900200	METAL POST - TYPE B	FOOT	50
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	4100
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	650
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	255
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	110
x Z0017400	DRAINAGE & UTILITY STRUCTURE TO BE ADJUSTED	EACH	9
x Z0018600	DRAINAGE STRUCTURES TO BE RECONSTRUCTED	EACH	7
x Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1
x X0323141	SUPPLEMENTAL SWEEPING	MILE	3
x <del>XY008087</del>	FRAMES AND LIDS TO BE REPLACED (SPECIAL)	EACH	10

\* INDICATES SPECIALTY ITEM  
 x INDICATES NON-STANDARD ITEM COVERED BY SPECIAL PROVISION

**EXISTING STRUCTURE SCHEDULE**

	STATION	O/S	FRAMES AND LIDS TO BE REPLACED (EACH)	DRAINAGE AND UTILITY STRUCTURES TO BE ADJUSTED (EACH)	DRAINAGE STRUCTURES TO BE RECONSTRUCTED (EACH)
BURLINGTON	100+05	33' RT		TI FRAME OPEN LID	
	100+25	29' LT	TI FRAME CLOSED LID		
	100+28	40' LT		TI FRAME CLOSED LID	
	100+32	40' LT		TI FRAME OPEN LID	
	102+94	30' RT	TI FRAME OPEN LID		
	103+15	17' LT			TI FRAME CLOSED LID
	103+26	18' RT	TI FRAME OPEN LID		
	103+29	4' RT			TI FRAME CLOSED LID
	103+17	30' RT		TI FRAME CLOSED LID	
	103+40	26' RT			TI FRAME OPEN LID
	105+22	27' RT		TI FRAME OPEN LID	
	105+75	28' RT	TI FRAME OPEN LID		
	106+33	17' LT			TI FRAME CLOSED LID
	106+79	45' RT			TI FRAME CLOSED LID
	107+89	21' RT			TI FRAME OPEN LID
	110+55	28' RT	TI FRAME OPEN LID		
	110+59	42' RT	TI FRAME OPEN LID		
	110+60	24' RT		TI FRAME CLOSED LID	
	110+78	24' RT		TI FRAME CLOSED LID	
	110+90	9' LT			
	110+87	41' RT	TI FRAME OPEN LID		TI FRAME CLOSED LID
	110+97	25' RT	TI FRAME OPEN LID		
	112+20	20' RT	TI FRAME OPEN LID		
	114+32	23' RT		TI FRAME CLOSED LID	
	114+48	30' RT	TI FRAME OPEN LID		
	114+61	7' LT		TI FRAME CLOSED LID	
TOTALS =			10 EACH	9 EACH	7 EACH

**SIDEWALK SCHEDULE**

	STATION	PCC SIDEWALKS REMOVAL (SQ FT)	SIDEWALKS 5 INCH (SQ FT)	DETECTABLE WARNING (SQ FT)
BURLINGTON	99+64 RT	63	63	20
	100+30 LT	74	74	15
	100+40 LT	64	64	16
	100+86 RT	685	685	55
	101+38 RT	25	25	
	101+82 RT	25	25	
	102+11 RT	25	25	
	103+07 RT	117	117	16
	103+65 LT	50	50	10
	103+65 RT	161	161	32
	104+03 LT	180	180	10
	105+48 RT	100	100	
	105+78 RT	138	138	
	106+50 RT	59	59	16
	106+95 RT	100	100	16
	107+25 RT	44	44	10
	107+51 LT	85	85	10
	107+75 RT	36	36	
	110+48 RT	32	32	10
	110+48 LT	180	180	32
	110+93 RT	68	68	16
	114+03 RT	20	20	16
	114+09 RT	29	29	16
	114+54 RT	85	85	32
TOTALS =		2445 SF	2500 SF	348 SF

**COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT**

	STATION	LENGTH (LF)
BURLINGTON	99+64 RT	15
	100+05 RT	20
	100+32 LT	20
	102+94 RT	20
103+28	104+03 LT	75
103+70	104+85 RT	115
	105+22 RT	20
	105+75 RT	20
	107+89 RT	20
	110+55 RT	20
	110+59 RT	20
	110+87 RT	20
	112+20 RT	20
	114+48 RT	20
TOTALS =		425 LF

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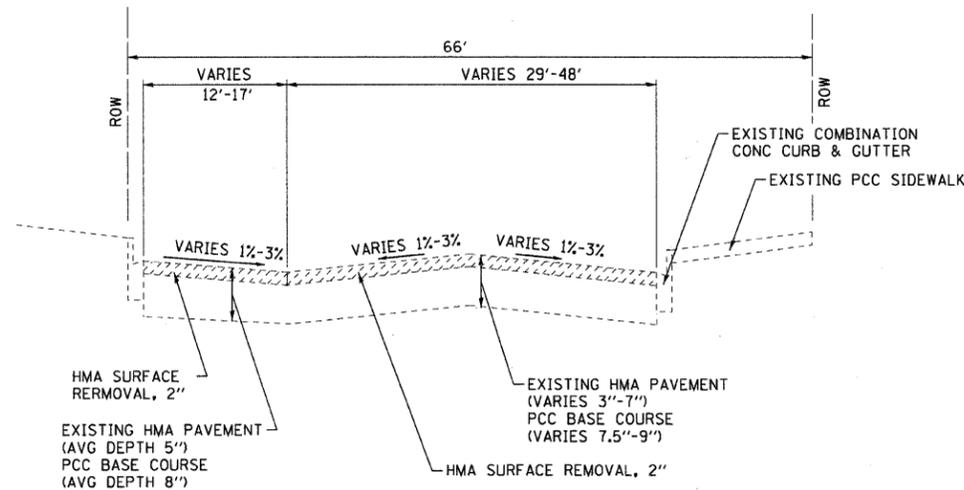
**VILLAGE OF LA GRANGE, ILLINOIS  
 FAU 3557 BURLINGTON AVENUE RESURFACING  
 SECTION 09-00083-00-RS**

**SUMMARY OF QUANTITIES AND  
 SCHEDULE OF MATERIALS**

SCALE: NONE STA. TO STA.

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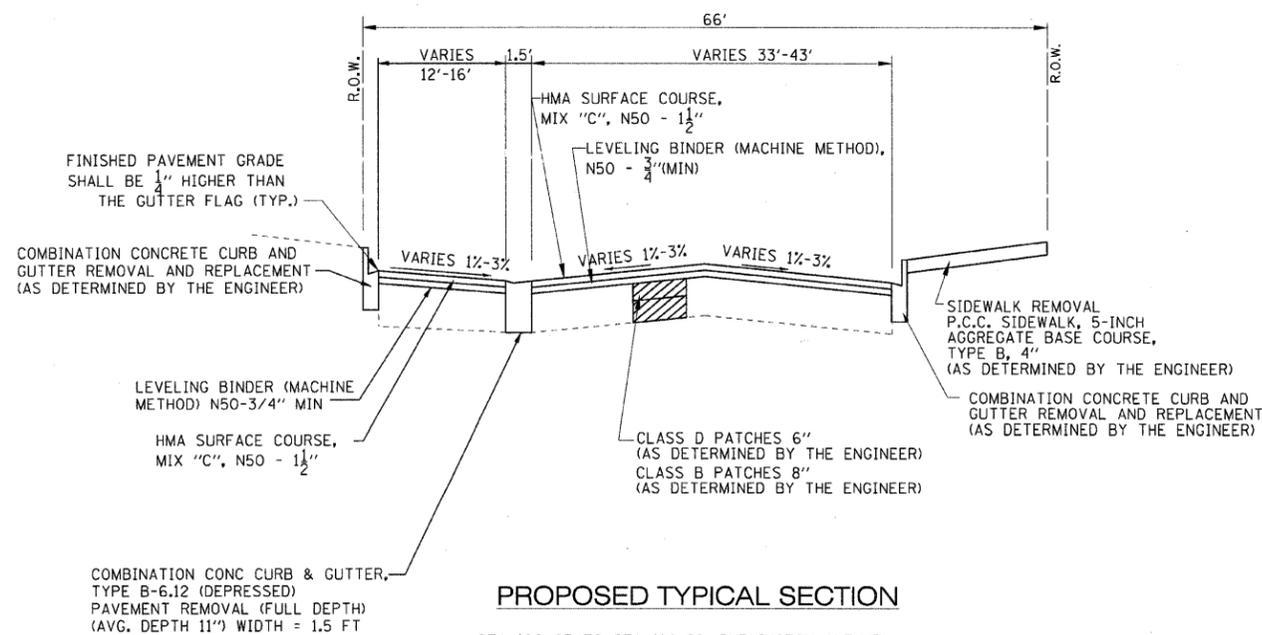
**EXISTING TYPICAL SECTION**

STA 100+05 TO STA 114+68, BURLINGTON AVENUE

**HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

NOTE: CONTRACTOR SHALL MILL BEFORE PATCHING

ITEM	AIR VOIDS
<b>RESURFACING</b>	
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 - 1 1/2 INCH (IL 9.5mm)	4% @ 50 Gyr
LEVELING BINDER (MACHINE METHOD) N50 - 3/4" (IL 9.5mm)	4% @ 50 Gyr
<b>INCIDENTAL RESURFACING</b>	
INCIDENTAL HOT-MIX ASPHALT SURFACING	4% @ 50 Gyr
<b>PATCHING</b>	
CLASS D PATCHES (HMA BINDER IL-19mm) TYPE I-IV - 6 INCH	4% @ 70 Gyr
<p>1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE IS 112 LBS/SQ YD/IN.</p> <p>2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 70-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS," FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.</p>	



**PROPOSED TYPICAL SECTION**

STA 100+05 TO STA 114+68, BURLINGTON AVENUE

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**SUGGESTED MAINTENANCE OF TRAFFIC NOTES**

1. DURING CONSTRUCTION STAGING OPERATIONS, THE LA GRANGE POLICE, FIRE, AND PUBLIC WORKS DEPARTMENT SHALL BE NOTIFIED IN WRITING 48 HOURS PRIOR TO START OF CONSTRUCTION.
2. THE ENGINEER SHALL BE INFORMED 48 HOURS IN ADVANCE OF ALL CHANGES IN CONSTRUCTION STAGING.

3. THE FURNISHING, INSTALLING, AND RELOCATION OF ALL TRAFFIC SIGNS SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION. ALL CONFLICTING TRAFFIC SIGNS SHALL BE COVERED AS DIRECTED BY THE ENGINEER. THIS SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION.

4. THE CONTRACTOR SHALL MAINTAIN EMERGENCY VEHICLE AND LOCAL TRAFFIC DURING CONSTRUCTION. THE COST FOR MAINTAINING ACCESS SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION.

5. DURING CONSTRUCTION, THE CONTRACTOR WILL BE PERMITTED TO LIMIT ON-STREET PARKING IN ORDER TO COMPLETE CONSTRUCTION OPERATIONS. THE CONTRACTOR WILL BE REQUIRED TO COORDINATE WITH THE MUNICIPALITY A MINIMUM OF 48 HOURS IN ADVANCE. IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PLACE ADVANCE SIGNS TO ALERT RESIDENTS AND COMMUTERS OF THE CONSTRUCTION WORK AND SHALL BE INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION. THE PLACEMENT OF THESE SIGNS SHALL TAKE PLACE 48 HOURS IN ADVANCE IN ORDER TO ALLOW SUFFICIENT TIME FOR RESIDENTS AND GENERAL PUBLIC TO REVISE THEIR PARKING PATTERNS.

**SUGGESTED CONSTRUCTION STAGING**

CONSTRUCTION SEQUENCE:

1. START CONSTRUCTION (DAY 1)
2. DRAINAGE STRUCTURE REPAIRS/CURB AND GUTTER AND SIDEWALK REPAIRS - (WORKING DAYS 1-10)
  - REPAIRS ARE TO BE PERFORMED WHILE MAINTAINING TWO-WAY TRAFFIC FLOW.
  - REPAIRS WILL BE LIMITED TO ONE SIDE OF THE STREET FOR EACH BLOCK.
  - IF THE PARKING SPACES WILL BE IMPACTED THE CONTRACTOR SHALL MARK OFF 48 HOURS BEFORE THE WORK IS TO OCCUR AT THE DIRECTION OF THE ENGINEER.
  - THE CONTRACTOR SHALL ALLOW AT LEAST THREE DAYS FOR CONCRETE CURING.
3. ASPHALT GRINDING - (WORKING DAYS 11-12)
  - BURLINGTON AVE - BRAINARD AVE TO KENSINGTON AVE
    - INCLUDES BURLINGTON AVE/ BRAINARD AVE INTERSECTION
    - INCLUDES BURLINGTON AVE/STONE AVENUE INTERSECTION
    - INCLUDES BURLINGTON AVE/WAIOLA INTERSECTION
    - INCLUDES BURLINGTON AVE/STRING AVE INTERSECTION
4. PAVEMENT PATCHING - (WORKING DAYS 13-16)
  - PATCHING TO BE PERFORMED WHILE MAINTAINING TWO-WAY TRAFFIC FLOW.
  - PATCHING WILL BE LIMITED TO ONE SIDE OF THE STREET FOR EACH BLOCK.
  - IF THE PARKING SPACES WILL BE IMPACTED THE CONTRACTOR SHALL MARK OFF 48 HOURS BEFORE THE WORK IS TO OCCUR AT THE DIRECTION OF THE ENGINEER.

**SUGGESTED CONSTRUCTION STAGING**

CONSTRUCTION SEQUENCE (CONT.):

5. ASPHALT LEVELING BINDER AND SURFACE PAVING - (WORKING DAYS 17-18)
  - BURLINGTON AVE - BRAINARD AVE TO KENSINGTON AVE
    - INCLUDES BURLINGTON AVE/BRAINARD AVE INTERSECTION
    - INCLUDES BURLINGTON AVE/STONE AVE INTERSECTION
    - INCLUDES BURLINGTON AVE/WAIOLA AVE INTERSECTION
    - INCLUDES BURLINGTON AVE/STRING AVE INTERSECTION
6. PAVEMENT STRIPING WITH THERMOPLASTIC - (WORKING DAYS 19-20)
  - BURLINGTON AVE - BRAINARD AVE TO KENSINGTON AVE

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DESIGNED - JGH/CAC	REVISED - PER IDOT 10-2-09
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CHECKED - NJP	REVISED -
DATE - 07-20-09	FILE - 090347-mo101.sht

**VILLAGE OF LA GRANGE, ILLINOIS**  
**FAU 3557 BURLINGTON AVENUE RESURFACING**  
**SECTION 09-00083-00-RS**

**SUGGESTED MAINTENANCE OF TRAFFIC**

SCALE: NONE

STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
• 09-00083-00-RS		COOK	17	5
CONTRACT NO. 63332				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
09-00083-00-RS	09-00083-00-RS	COOK	17	6
STA.		TO STA.		
FED. ROAD DIST. NO. C-91-773-09	ILLINOIS	FED AID PROJECT ARA-9003(386)		
FAU 3557 BURLINGTON AVENUE CONTRACT NO. 63332				

- ① 

ROAD WORK BEGINS ON BURLINGTON AVE., ON MARCH , 2010
---

 TO BE PLACED AT LEAST ONE WEEK BEFORE CONSTRUCTION OPERATIONS BEGIN  
60"x30"
- ② 

ROAD CONSTRUCTION AHEAD
-------------------------

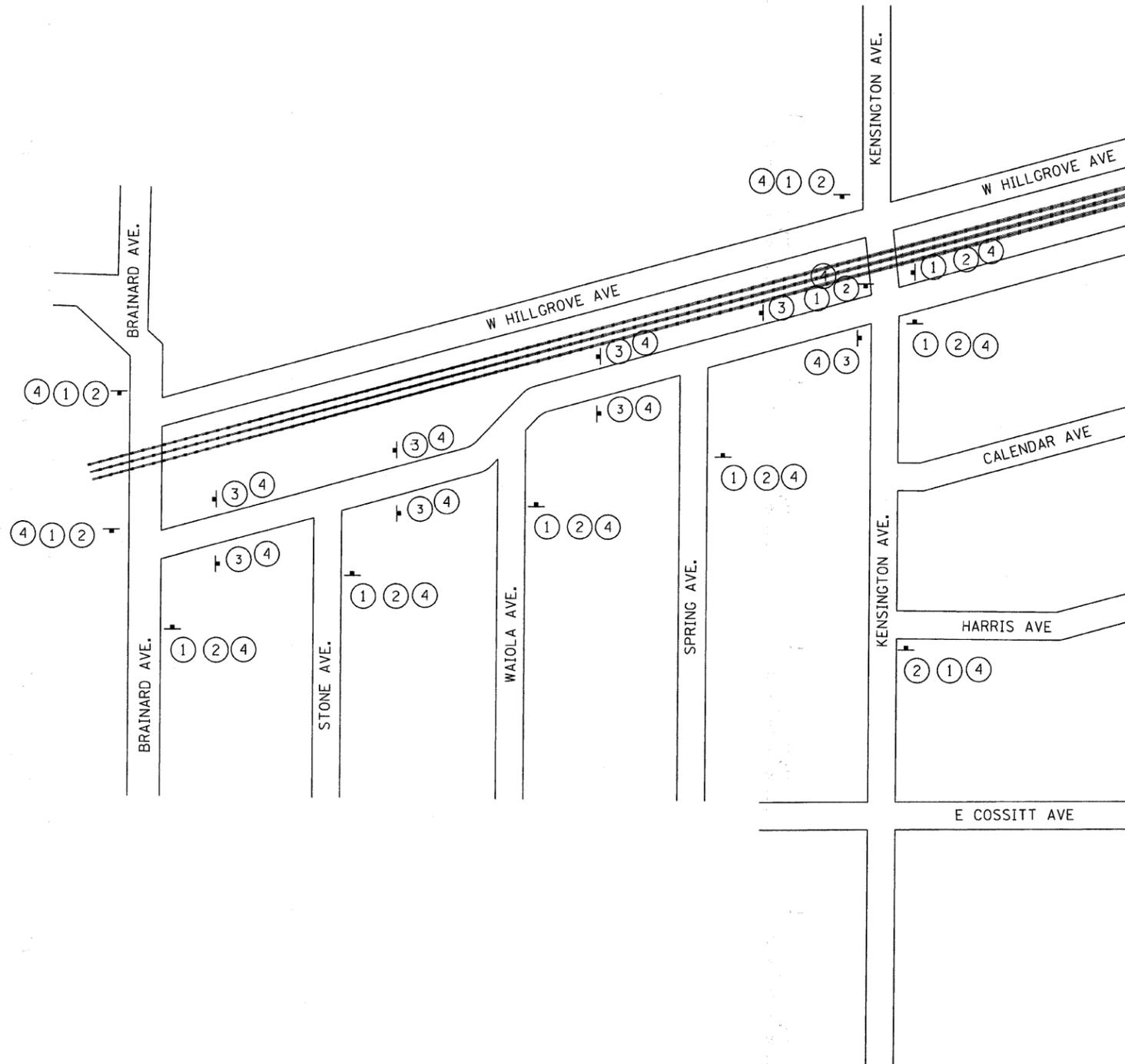
 W20-1A ROAD CONSTRUCTION AHEAD  
30"x30"
- ③ 

CONSTRUCTION ZONE NO PARKING
------------------------------

 TO BE REMOVED AFTER THE DAYS OPERATIONS HAVE BEEN COMPLETED  
36"x18"
- ④ AMBER FLASHING BEACON

**NOTES:**

1. USE BLACK LETTERING ON ORANGE BACKGROUND, ALL SIGN PANELS SHALL BE IN ACCORDANCE WITH THE SPECIAL PROVISION, "RETROREFLECTIVE SHEETING, NONREFLECTIVE SHEETING, AND TRANSLUCENT OVERLAY FILM FOR HIGHWAY SIGNS."
2. THE SIGNS SHOWN ABOVE 1 THROUGH 4 ARE PROVIDED AS ADDITIONAL SIGNAGE TO IDOT HIGHWAY STANDARDS 701311, 701501 & 701801 AND DISTRICT ONE STANDARD TC-10.
3. THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS OR AS DIRECTED BY THE ENGINEER.



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DATE - 07-20-09	FILE - 090347-motdet.sht

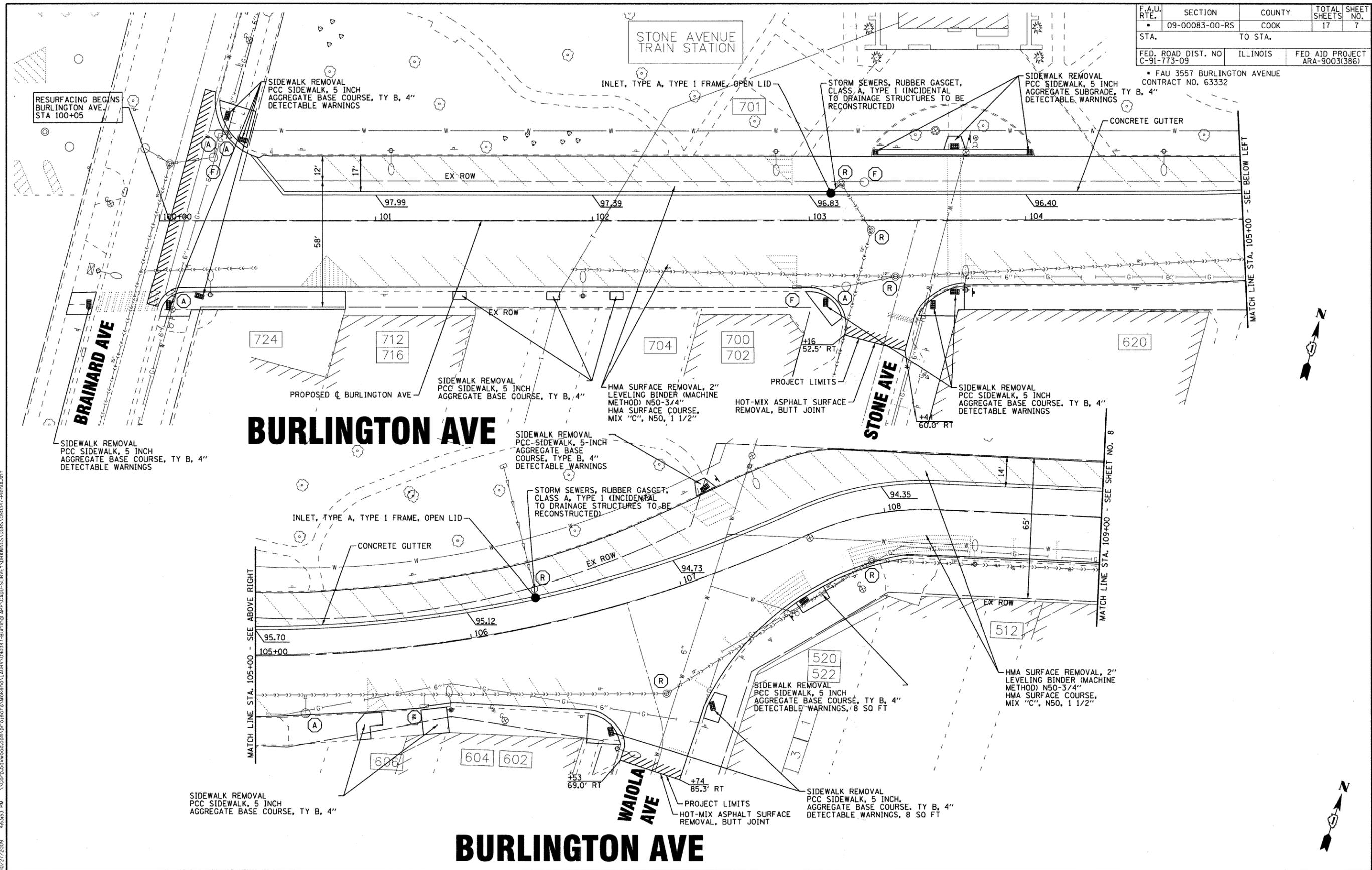
**VILLAGE OF LA GRANGE, ILLINOIS**  
**FAU 3557 BURLINGTON AVENUE RESURFACING**  
**SECTION 09-00083-00-RS**

<b>SUGGESTED MAINTENANCE OF TRAFFIC DETAIL</b>	
SCALE: NONE	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
09-00083-00-RS	09-00083-00-RS	COOK	17	6
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 63332		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
09-00083-00-RS		COOK	17	7
STA.	TO STA.			
FED. ROAD DIST. NO	ILLINOIS	FED AID PROJECT ARA-9003(386)		
C-91-773-09				

FAU 3557 BURLINGTON AVENUE  
CONTRACT NO. 63332



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 INCLUDING PHOTOCOPYING, RECORDING, OR BY  
 INFORMATION STORAGE AND RETRIEVAL SYSTEMS.  
 LICENSE NO. 014 00109 - EXPIRES 4/30/2011  
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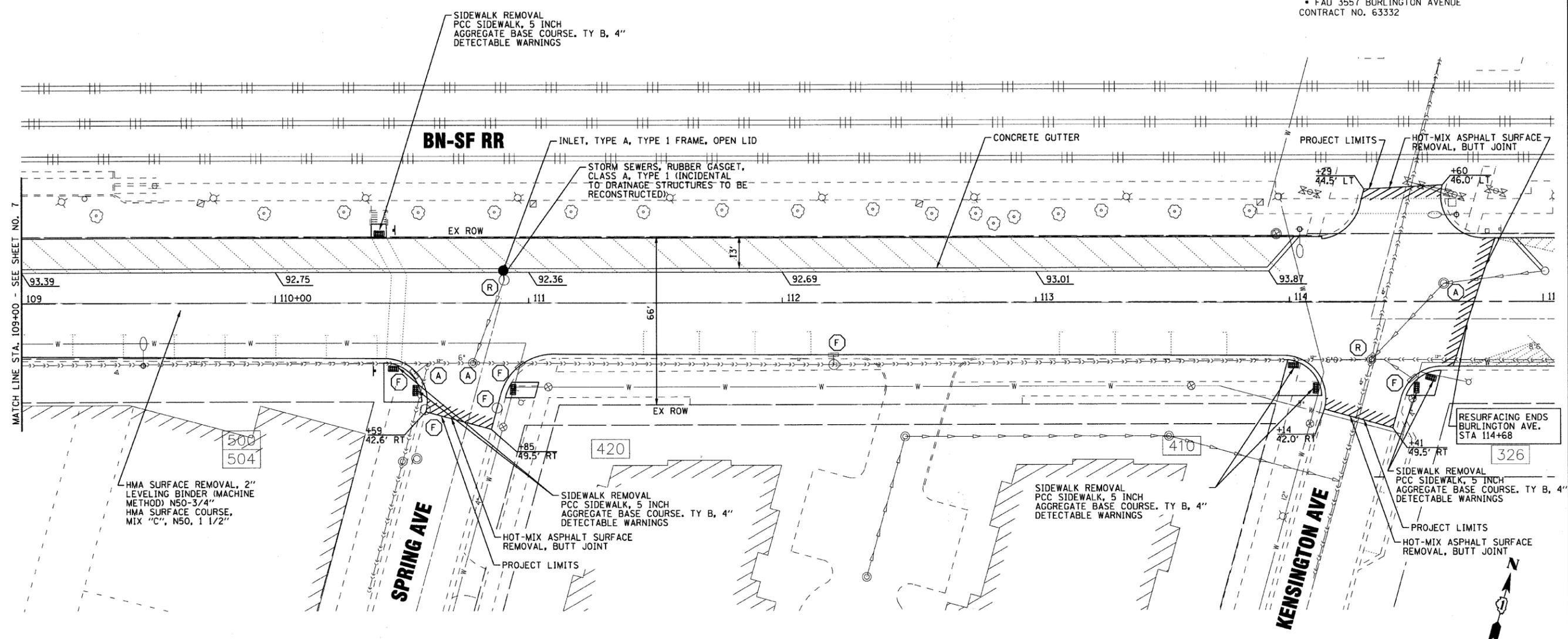
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DRAWN - BCD	REVISED - PER IDOT 10-26-09
CHECKED - NJP	REVISED - PER IDOT 10-27-09
DATE - 07-20-09	FILE - 090347-Plan01.sht

**VILLAGE OF LA GRANGE, ILLINOIS**  
**FAU 3557 BURLINGTON AVENUE RESURFACING**  
**SECTION 09-00083-00-RS**

<b>BURLINGTON AVENUE PLAN</b>	
SCALE: 1"=20'	STA. 100+00 TO STA. 109+00

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
09-00083-00-RS		COOK	17	7
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
		CONTRACT NO. 63332		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
09-00083-00-RS	09-00083-00-RS	COOK	17	8
STA.	TO STA.			
FED. ROAD DIST. NO	ILLINOIS	FED AID PROJECT ARA-9003(386)		
FAU 3557 BURLINGTON AVENUE CONTRACT NO. 63332				



# BURLINGTON AVE

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 STATE OF ILLINOIS PROFESSIONAL DESIGN FIRM  
 No. 09-00083-00-RS  
 10/27/2009  
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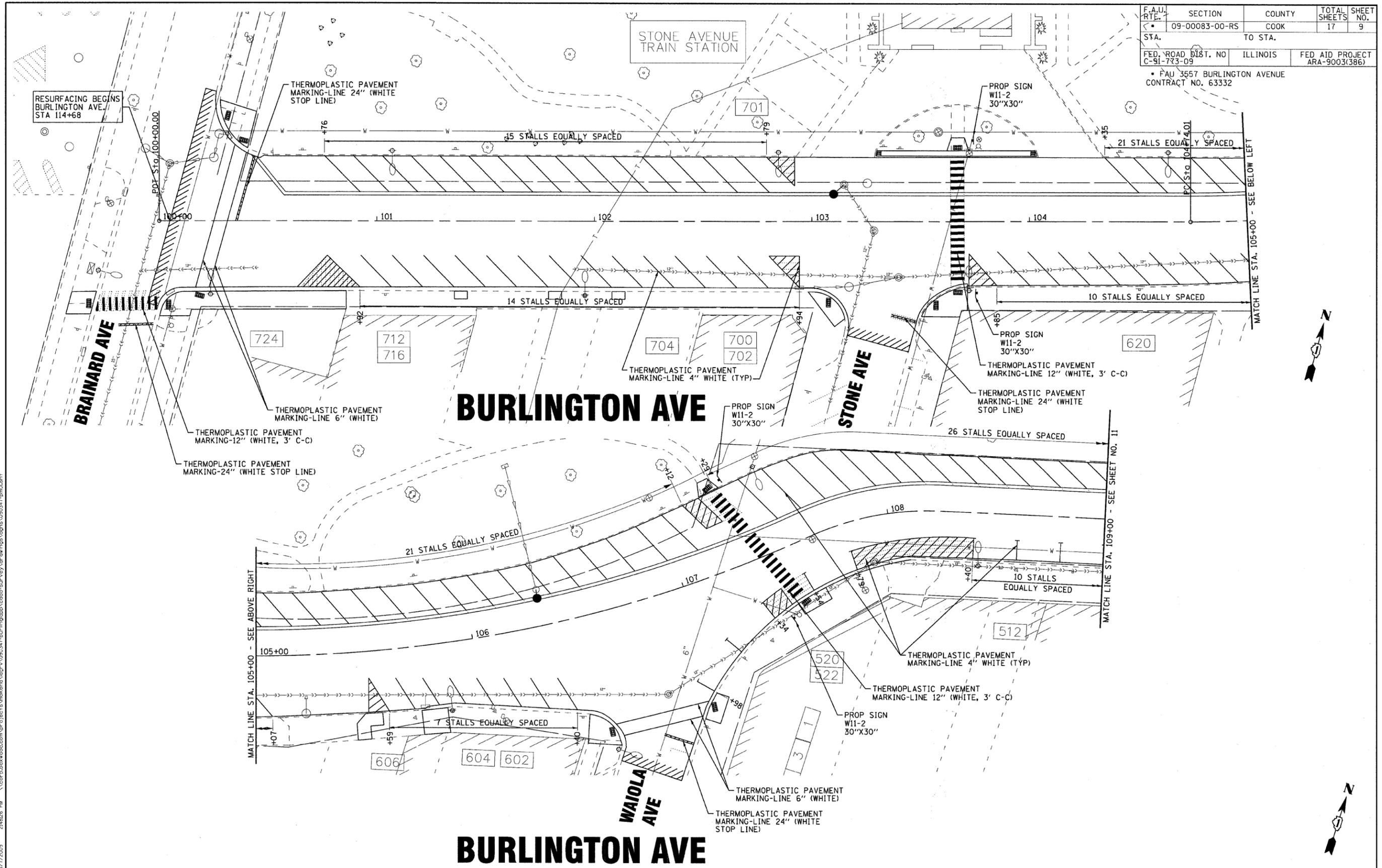
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DRAWN	- BCD	REVISED	- PER IDOT 10-26-09
CHECKED	- NJP	REVISED	-
DATE	- 07-20-09	FILE	- 090347-Plan02.sh1

**VILLAGE OF LA GRANGE, ILLINOIS**  
**FAU 3557 BURLINGTON AVENUE RESURFACING**  
**SECTION 09-00083-00-RS**

**BURLINGTON AVENUE PLAN**  
 SCALE: 1" = 20'  
 STA. 109+00 TO STA. 115+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
09-00083-00-RS	09-00083-00-RS	COOK	17	8
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
CONTRACT NO. 63332				

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
09-00083-00-RS		COOK	17	9
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED AID PROJECT ARA-9003(386)		
C-91-793-09	FAU 3557 BURLINGTON AVENUE CONTRACT NO. 63332			



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DESIGNED - JGH/CAC	REVISED - PER IDOT 10-2-09
DRAWN - BCD	REVISED -
CHECKED - NJP	REVISED -
DATE - 07-20-09	FILE - 090347-pm01.sht

**VILLAGE OF LA GRANGE, ILLINOIS**  
**FAU 3557 BURLINGTON AVENUE RESURFACING**  
**SECTION 09-00083-00-RS**

**PAVEMENT MARKING PLAN**  
 SCALE: 1"=20'  
 STA. 100+00 TO STA. 109+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
09-00083-00-RS		COOK	17	9
CONTRACT NO. 63332		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		





F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
NA	09-00083-00-RS	COOK	17	12
STA.	TO STA.			
FED. ROAD DIST. NO	ILLINOIS	FED AID PROJECT		
C-91-773-09		ARA-9003(386)		

• FAU 3557 BURLINGTON AVENUE  
CONTRACT NO. 63332

**CONSTRUCTION PROCEDURES**

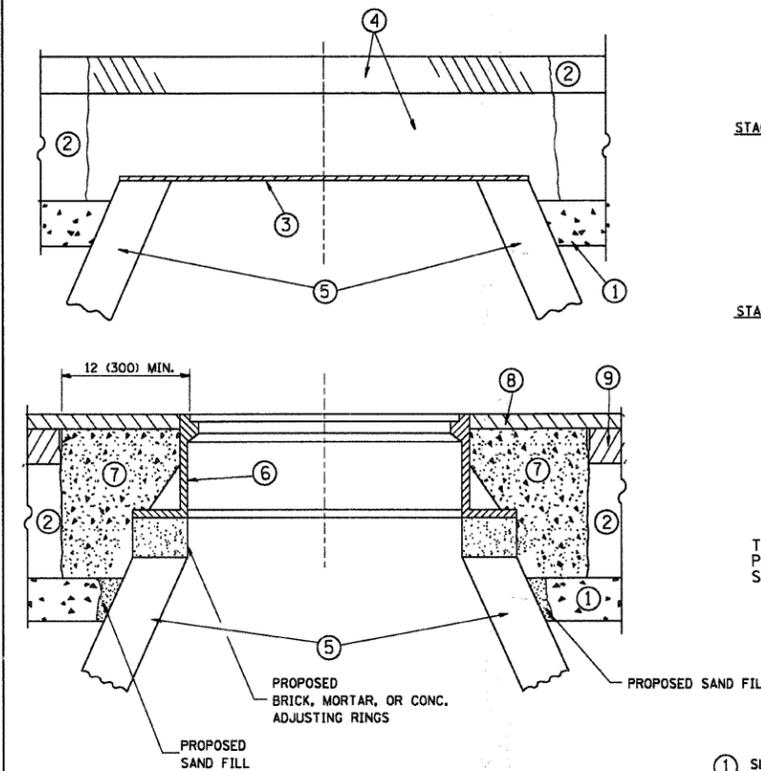
**STAGE 1 (BEFORE PAVEMENT MILLING)**

- 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 1/2 (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

FILE NAME = W:\diststd\22x34\bd88.dgn	USER NAME = gaglienobt	DESIGNED - R. SHAH	REVISED - R. SHAH 03-10-95
		DRAWN -	REVISED - A. ABBAS 03-21-97
		PLOT SCALE = 50.0000' / IN.	REVISED - R. WIEDEMAN 05-14-04
		PLOT DATE = 1/4/2008	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING</b>			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
NA	09-00083-00-RS	COOK	17	12
<b>BD600-03 (BD-8)</b>		<b>CONTRACT NO. 63332</b>		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
NA	09-00083-00-RS	COOK	17	13
STA.		TO STA.		
FED. ROAD DIST. NO	ILLINOIS	FED AID PROJECT		
C-91-773-09		ARA-9003(386)		

• FAU 3557 BURLINGTON AVENUE  
CONTRACT NO. 63332

VARIABLE - TO MEET EXISTING DIMENSIONS AND FIELD CONDITIONS (SEE NOTE ②)

PROP. CONC. CURB OR CURB AND GUTTER REPLACEMENT IN ACCORDANCE WITH STATE STANDARD 606001. (SEE NOTE ②)

SAW CUT FULL DEPTH - INCLUDED IN THE COST OF SIDEWALK, DRIVEWAY OR MEDIAN SURFACE REMOVAL PAY ITEM.

PROPOSED SIDEWALK, DRIVEWAY PAVEMENT, MEDIAN SURFACE OR SALT TOLERANT SOD AND TOP SOIL, 4" (100) SOD RESTORATION (SEE NOTE ①).

SUITABLE BACKFILL MATERIAL (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT)

PROPOSED 3/4" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)

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".

SEE STATE STANDARD 606001

EXISTING OR PROPOSED HMA SURFACE (IF APPLICABLE)

1/4" (5) \*\*

18" (450) MAX.

EXISTING SIDEWALK, DRIVEWAY, MEDIAN SURFACE OR GROUND.

3" (75) MIN.

EXISTING CONCRETE PAVEMENT, CONCRETE BASE COURSE OR FLEXIBLE PAVEMENT

\* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

\*\* IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

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

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

② CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.

③ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

④ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑤ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑥ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.

⑦ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

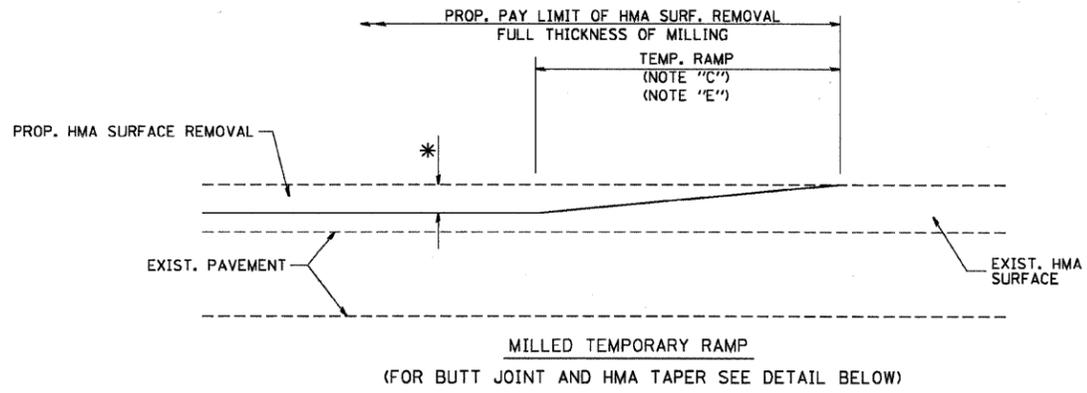
# CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

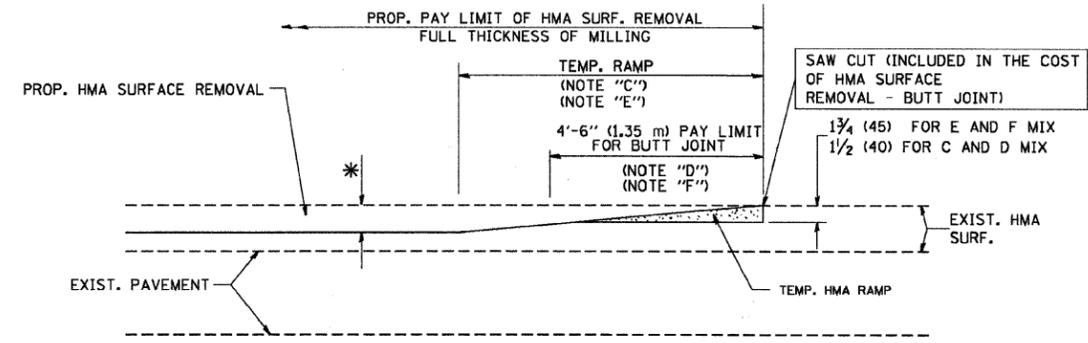
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W:\distotd\22x34\bd24.dgn		DRAWN -	REVISED - A. ABBAS 03-21-97			NA	09-00083-00-RS	COOK	17	13	
		PLOT SCALE = 50.000' / IN.	REVISED - M. GOMEZ 01-22-01			<b>BD600-06 (BD-24)</b>		CONTRACT NO. 63332			
		PLOT DATE = 1/4/2008	REVISED - R. BORO 01-01-07			FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT			
					SCALE: NONE	SHEET NO. 1 OF 1 SHEETS		STA.	TO STA.		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
NA	09-00083-00-RS	COOK	17	14
STA.		TO STA.		
FED. ROAD DIST. NO	ILLINOIS	FED AID PROJECT		
C-91-773-09		ARA-9003(386)		

• FAU 3557 BURLINGTON AVENUE  
CONTRACT NO. 63332

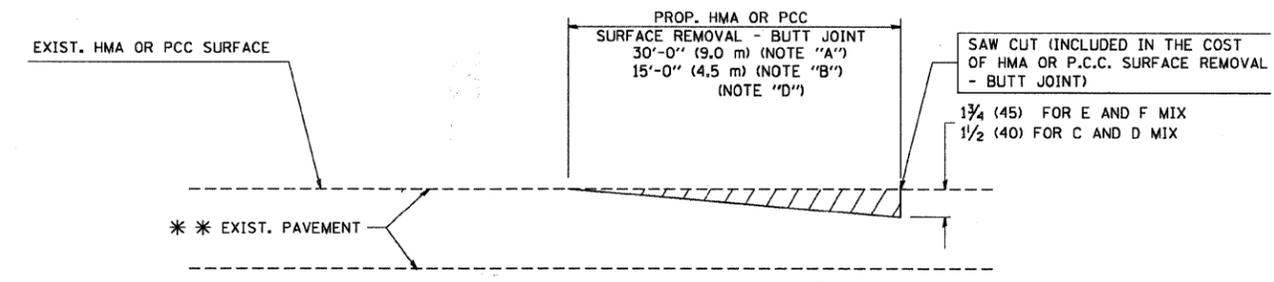


**OPTION 1**

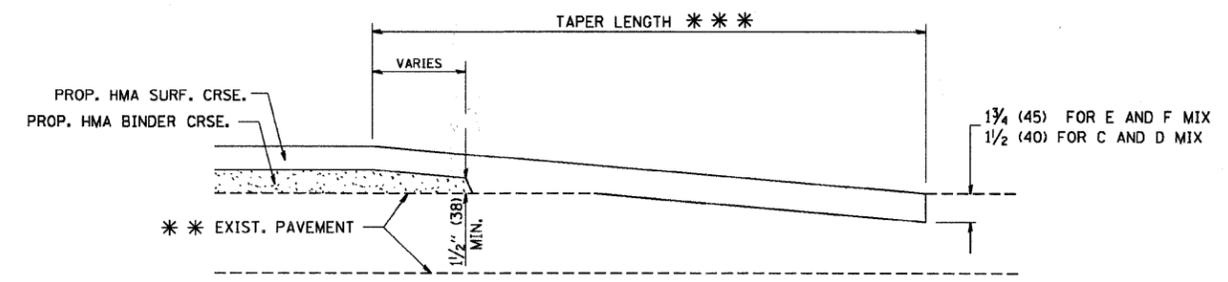


**OPTION 2**

**TYPICAL TEMPORARY RAMP**



**BUTT JOINT DETAIL**



**HMA TAPER DETAIL**

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

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

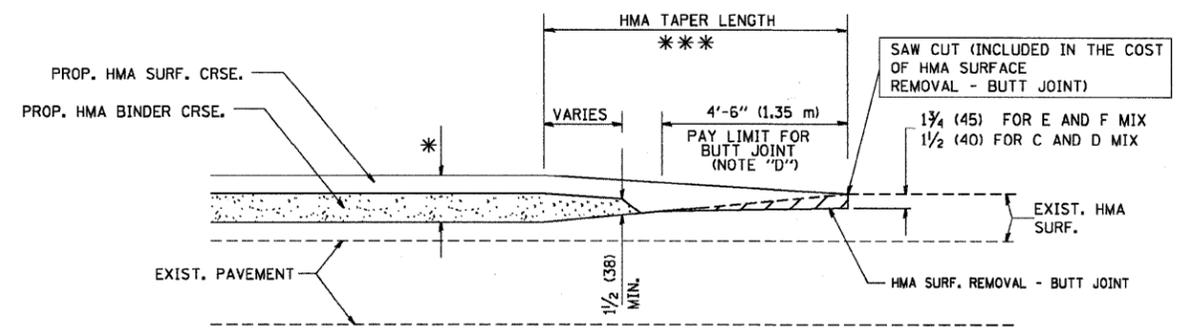
**NOTES**

- 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")

**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".

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



**BUTT JOINT AND HMA TAPER**

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

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USER NAME = goglieno	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
PLOT SCALE = 50,0000' / IN.	DRAWN -	REVISED - A. ABBAS 03-21-97
PLOT DATE = 1/4/2000	CHECKED -	REVISED - M. GOMEZ 04-06-01
	DATE - 06-13-90	REVISED - R. BORO 01-01-07

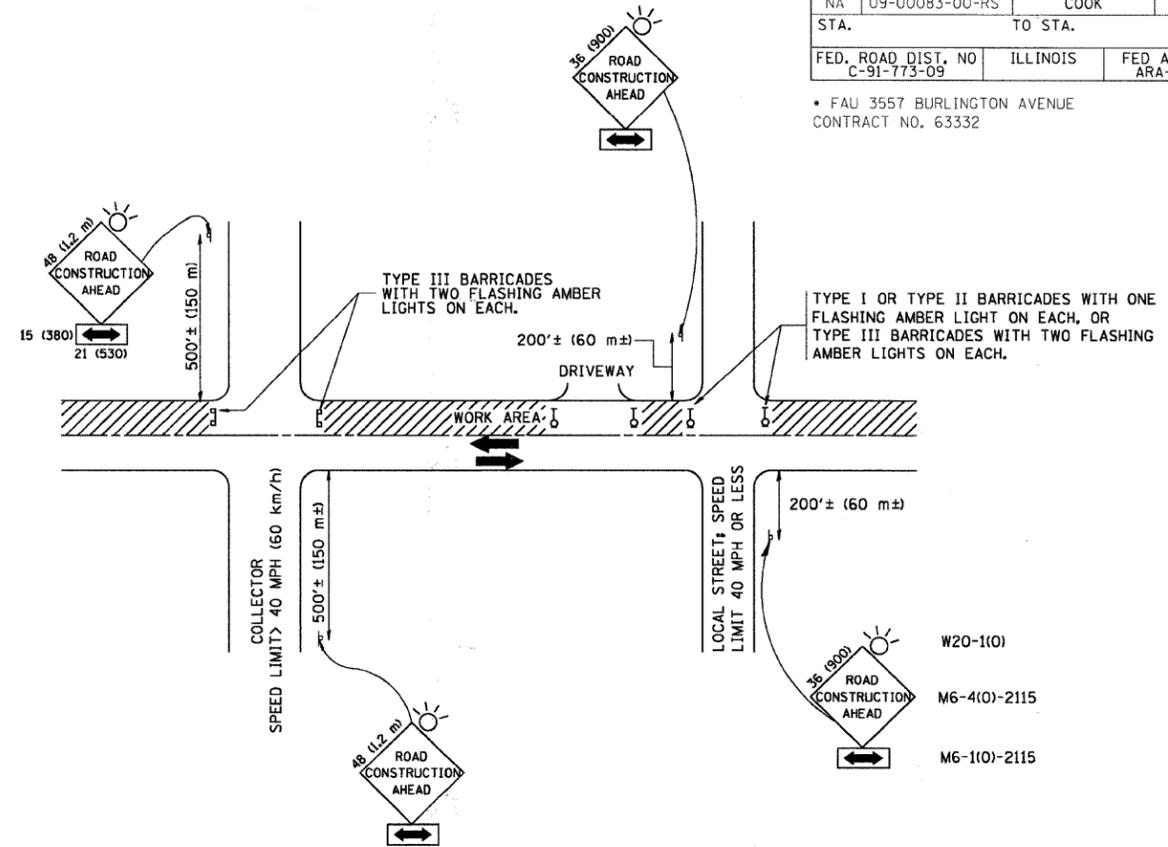
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>BUTT JOINT AND HMA TAPER DETAILS</b>	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
NA	09-00083-00-RS	COOK	17	14
<b>BD400-05 BD32</b>		<b>CONTRACT NO. 63332</b>		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
NA	09-00083-00-RS	COOK	17	15
STA.	TO STA.			
FED. ROAD DIST. NO	ILLINOIS	FED AID PROJECT		
C-91-773-09		ARA-9003(386)		

• FAU 3557 BURLINGTON AVENUE  
CONTRACT NO. 63332



### 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.
- 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.
- ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
  - THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

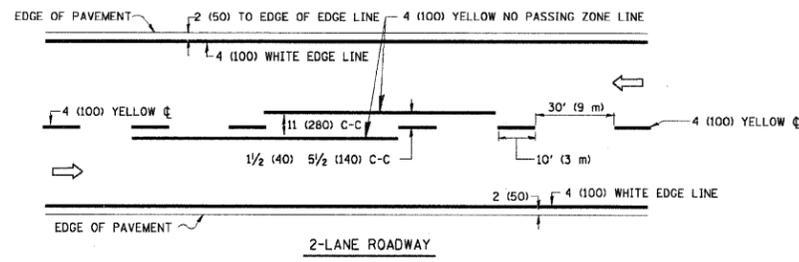
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		DRAWN -	REVISOR - A. HOUSEH 03-06-96
		CHECKED -	REVISOR - A. HOUSEH 10-15-96
		DATE - 06-89	REVISOR - T. RAMMACHER 01-06-00

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

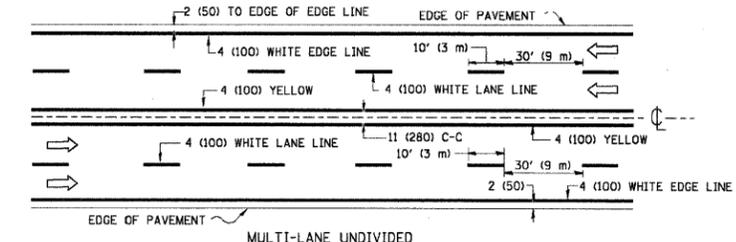
TRAFFIC CONTROL AND PROTECTION FOR  
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

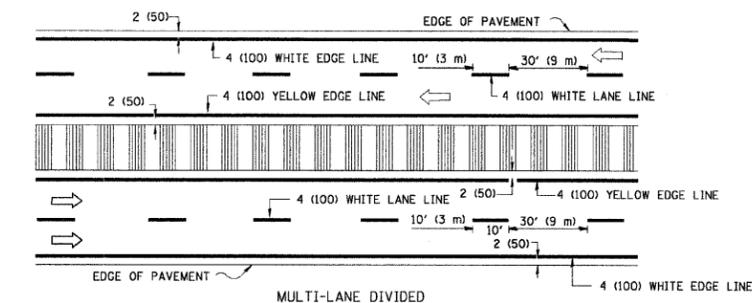
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
NA	09-00083-00-RS	COOK	17	15
TC-10		CONTRACT NO. 63332		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY



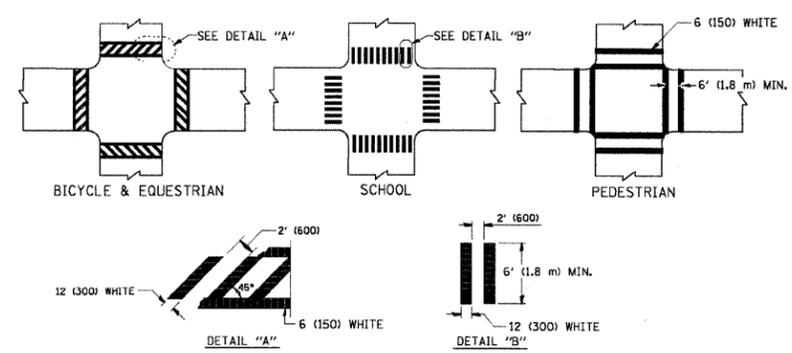
MULTI-LANE UNDIVIDED



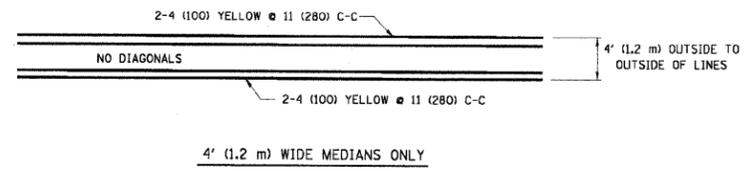
MULTI-LANE DIVIDED WITH MOUNTABLE MEDIAN

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

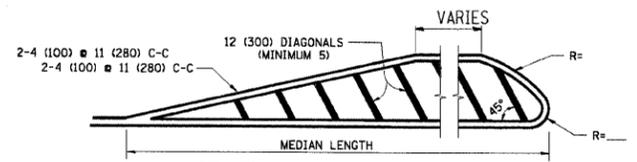
TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING

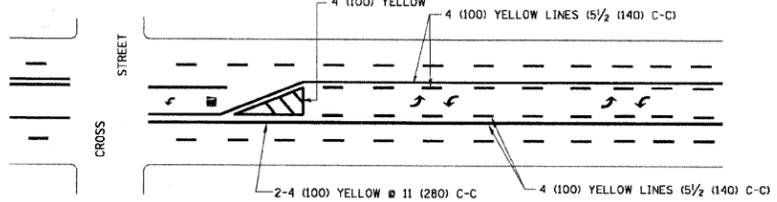


4' (1.2 m) WIDE MEDIANS ONLY



FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.  
 DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))  
 75' (25 m) C-C (30MPH (50 km/h) TO 45MPH (70 km/h))  
 150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

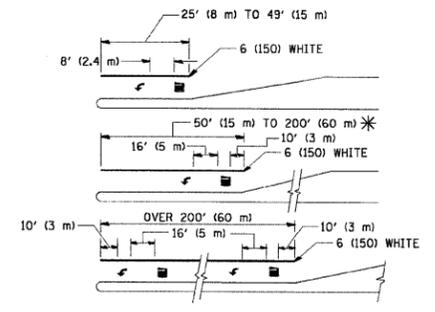
MEDIANS OVER 4' (1.2 m) WIDE



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

MEDIAN WITH TWO-WAY LEFT TURN LANE

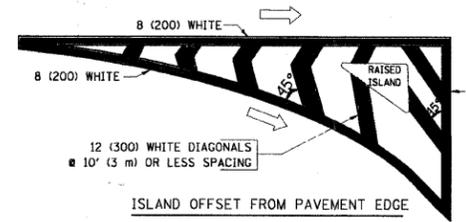
TYPICAL PAINTED MEDIAN MARKING



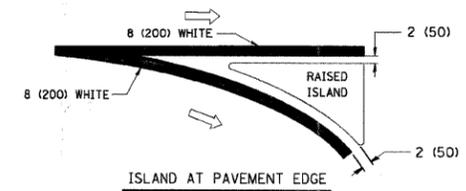
FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.  
 AREA = 15.6 SQ. FT. (1.5 m<sup>2</sup>) ONLY AREA = 20.8 SQ. FT. (1.9 m<sup>2</sup>)  
 \* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



ISLAND OFFSET FROM PAVEMENT EDGE



ISLAND AT PAVEMENT EDGE

TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (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' (2.4 m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4 m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (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 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 <sup>2</sup> ) EACH "X"=54.0 SQ. FT. (5.0 m <sup>2</sup> )
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))

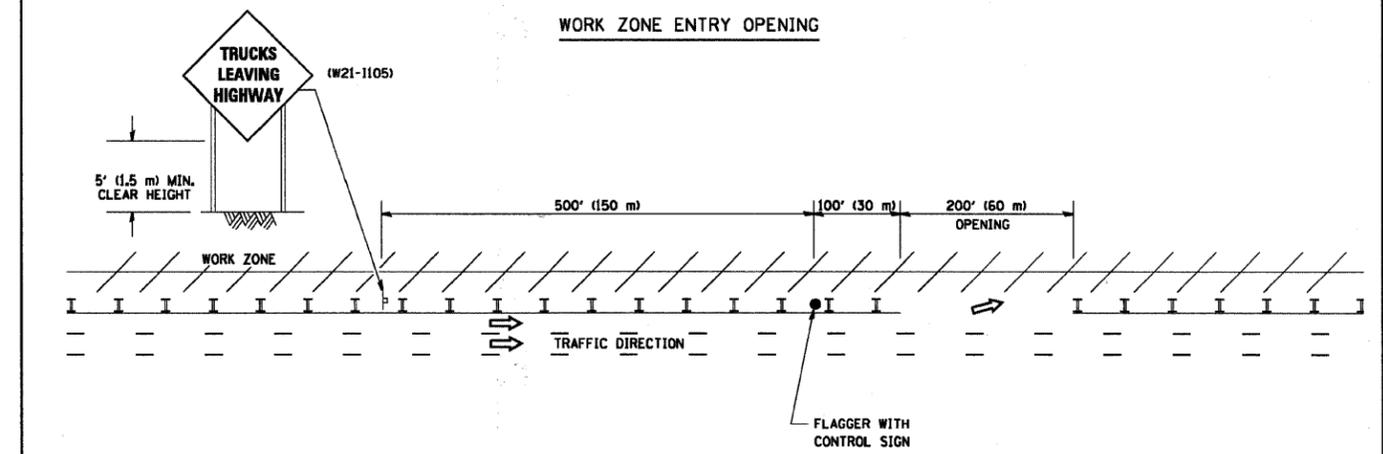
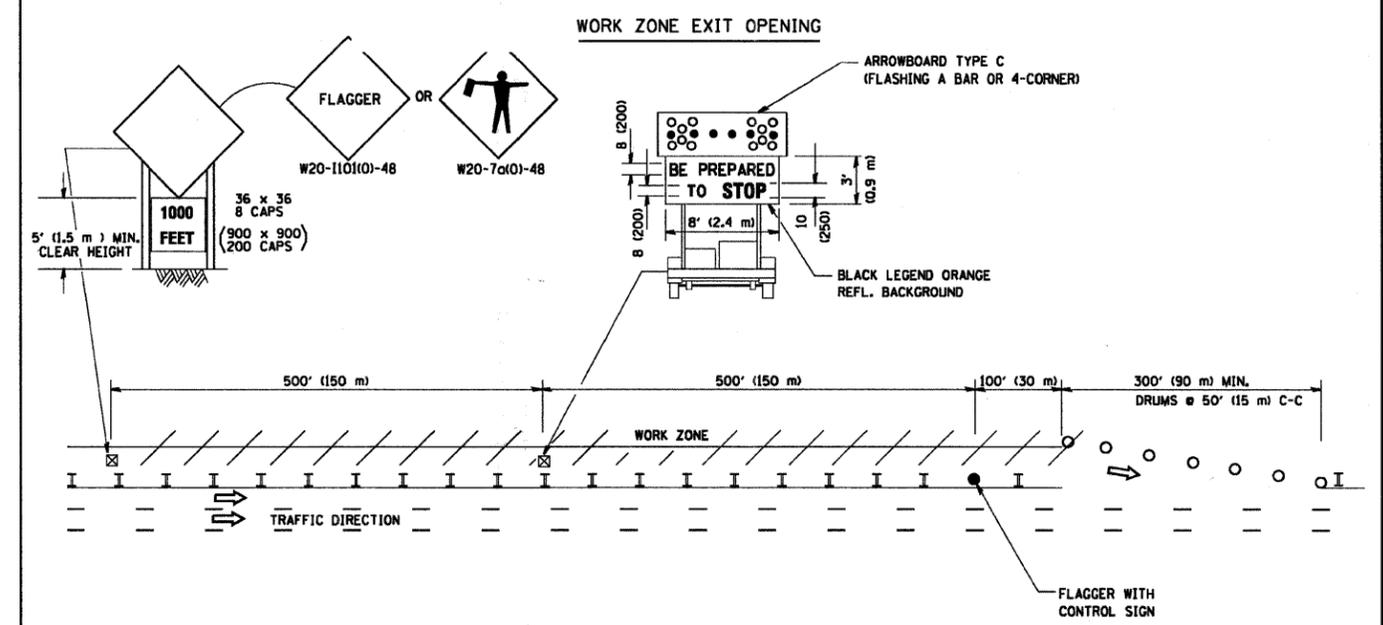
FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
NA	09-00083-00-RS	COOK	17	17
STA.	TO STA.			
FED. ROAD DIST. NO	ILLINOIS	FED AID PROJECT ARA-9003(386)		
C-91-773-09				

FAU 3557 BURLINGTON AVENUE  
CONTRACT NO. 63332

### SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS

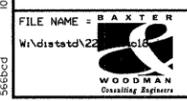


**NOTES:**

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

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS)  
UNLESS OTHERWISE SHOWN

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FILE NAME = BAXTER	USER NAME = gaglionobt	DESIGNED -	REVISED - D.W.S. 08-98
W:\adistatd\22...		DRAWN -	REVISED - J.A.F. 04-03
		CHECKED -	REVISED - J.A.F. 02-06
		DATE -	REVISED - S.P.B. 01-07

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
NA	09-00083-00-RS	COOK	17	17
TC-18		CONTRACT NO. 63332		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				