

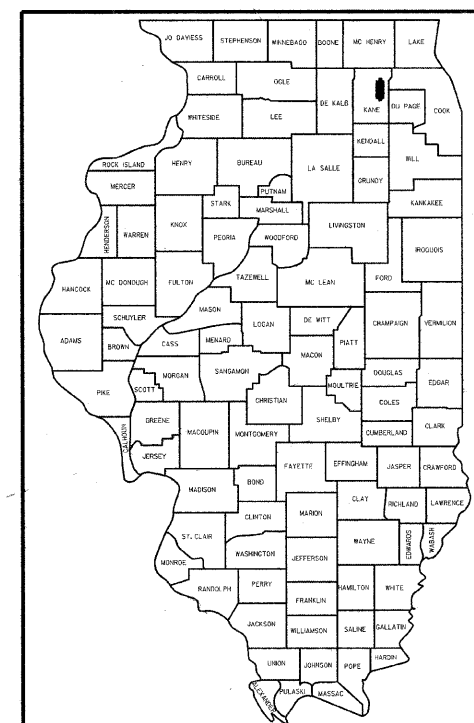
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1678	10-00111-00-RS	KANE	22	1
FED. ROAD DIST. NO. C-91-545-10		ILLINOIS FED. AID PROJECT CONTRACT 63478 ARA-9003 (697)		

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

# PLANS FOR PROPOSED FEDERAL AID HIGHWAY

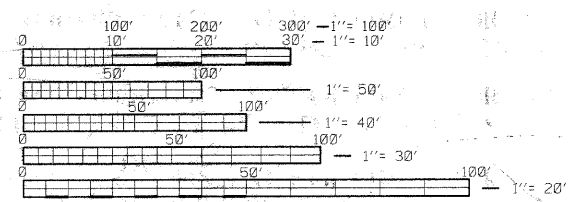
FAU ROUTE 1678 (ANDERSON BOULEVARD)  
FROM FAP ROUTE 347 (STATE STREET) TO GRAY STREET  
LAPP RESURFACING  
PROJECT NO. ARA-9003 (679) SECTION NO. 10-00111-00-RS  
CITY OF GENEVA  
JOB NO. C-91-545-10  
KANE COUNTY

FOR INDEX OF STREETS  
SEE SHEET NO. 2

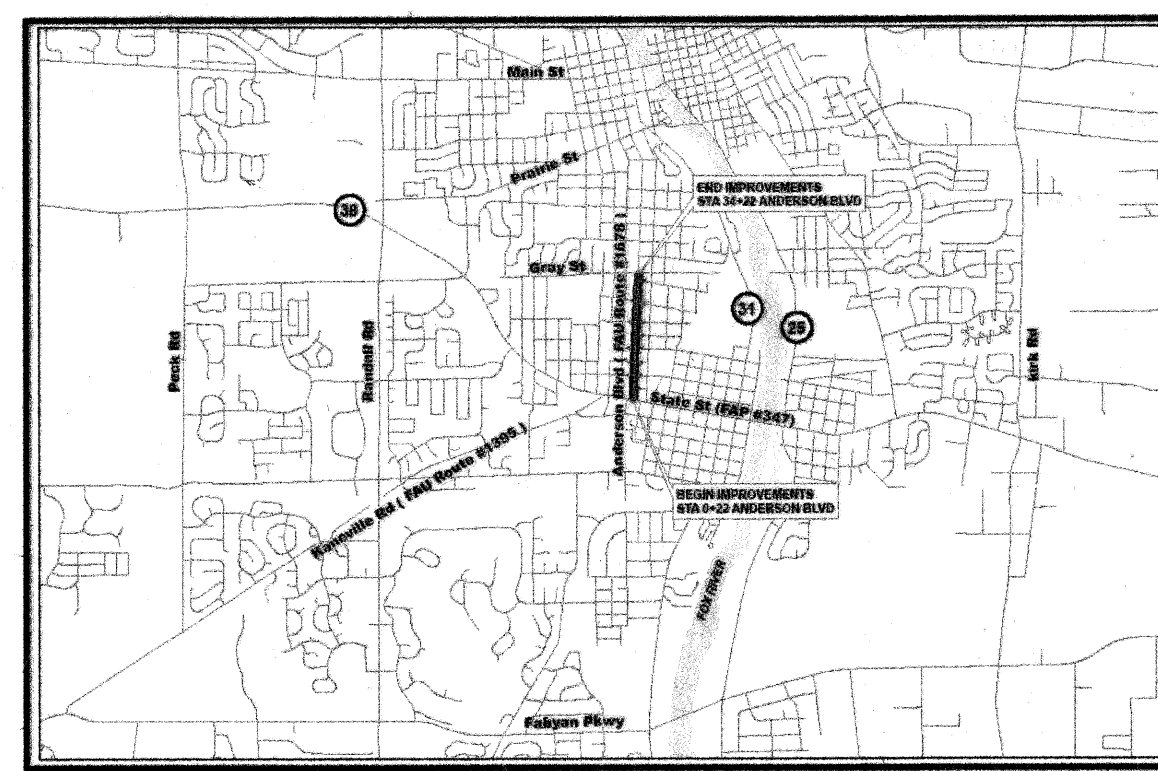


LOCATION OF SECTION INDICATED THUS: - ■ -

DESIGN DESIGNATION  
ANDERSON BLVD. : COLLECTOR  
DESIGN SPEED = 30/35 MPH  
POSTED SPEED = 30 MPH  
ADT (2009) = 6813



LOCATION MAP (NOT TO SCALE) R-8E



GENEVA TOWNSHIP, T-39N, R-8E, 3RD PM

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

APPROVED May 27, 2010  
*Daniel Dinges*  
CITY OF GENEVA, DIRECTOR OF PUBLIC WORKS

PASSED JUNE 1, 2010  
*Chris Helt*  
DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS

JUNE 1, 2010  
*Diana M. O'Keefe*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER

DATE May 27, 2010

BY *Daniel Dinges*  
DANIEL DINGES

LICENSE EXPIRES 11/30/11

SEAL

CITY OF GENEVA  
1800 SOUTH STREET  
GENEVA ILLINOIS 60134  
PHONE: 630-232-1501/630-232-1502

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. 63478

GROSS LENGTH = 3,400 FT. = 0.644 MILE  
NET LENGTH = 3,400 FT. = 0.644 MILE

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

FIELD ENGINEER : MARILYN SOLOMON (847) 705-4407

## LEGEND

EXISTING	DESCRIPTION	PROPOSED
	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	
	INCIDENTAL HOT-MIX ASPHALT SURFACING	
	SIDEWALK OR DRIVEWAY	
	DETECTABLE WARNINGS	
	DETECTOR LOOP PEPLACEMENT	
	MANHOLE	
	INLET	
	WATER VALVE	
	HYDRANT	
	SIGN	
	LIGHT	
	POLE	
	TREE	
#205	HOUSE NUMBER	
— W —	WATER LINE	
— S —	STORM SEWER LINE	
— C —	SANITARY SEWER LINE	
— G —	GAS LINE	
— OHE —	OVERHEAD ELECTRIC	

## BENCH MARKS

- BM #1. TOP OPERATING NUT OF FIRE HYDRANT AT NORTHWEST CORNER OF ANDERSON BLVD. AND STATE ST. (IL. RTE. 38) ELEV. = 743.93
- BM #2. TOP OPERATING NUT OF FIRE HYDRANT AT NORTHWEST CORNER OF ANDERSON BLVD. AND PEYTON ST. ELEV. = 752.94
- BM #3. TOP OPERATING NUT OF FIRE HYDRANT AT NORTHWEST CORNER OF ANDERSON BLVD. AND FORD ST. ELEV. = 753.24
- BM #4. TOP OPERATING NUT OF FIRE HYDRANT AT NORTHWEST CORNER OF ANDERSON BLVD. AND STEVENS ST. ELEV. = 756.30
- BM #5. TOP OPERATING NUT OF FIRE HYDRANT WEST SIDE OF ANDERSON BLVD. ACROSS FROM NORTH ST. INTERSECTION ELEV. 758.59
- BM #6. TOP OPERATING NUT OF FIRE HYDRANT AT NORTHWEST CORNER OF ANDERSON BLVD. AND CENTER ST. ELEV. 755.72
- BM #7. TOP OPERATING NUT OF HYDRANT AT SOUTHWEST CORNER OF ANDERSON BLVD. AND UNION ST. ELEV. = 756.60
- BM #8. TOP OPERATING NUT OF FIRE HYDRANT AT SOUTHEAST CORNER OF ANDERSON BLVD. AND EKLUND ST. ELEV. 758.98

## SHEET INDEX

- SHHET 1. COVER SHEET
- SHEET 2. LEGEND, INDEX, STATE STANDARDS, BENCH MARKS
- SHEET 3. GENERAL NOTES
- SHEET 4. GENERAL NOTES
- SHEET 5. SUMMARY OF QUANTITIES
- SHEET 6. EXISTING AND PROPOSED TYPICAL SECTIONS
- SHEET 7. HOT-MIX ASPHALT MIXTURE REQUIREMENT TABLE
- SHEET 8. GENERAL PLAN (STA. 0+00 TO 11+00)
- SHEET 9. GENERAL PLAN (STA. 11+00 TO 22+00)
- SHEET 10. GENERAL PLAN (22+00 TO 33+00)
- SHEET 11. GENERAL PLAN (33+00 TO 34+20), DETECTOR LOOP REPLACEMENT DETAIL
- SHEET 12. PAVEMENT MARKING (STA. 0+00 TO 11+00)
- SHEET 13. PAVEMENT MARKING (STA. 11+00 TO 22+00)
- SHEET 14. PAVEMENT MARKING (STA. 22+00 TO 33+00)
- SHEET 15. PAVEMENT MARKING (STA. 33+00 TO 34+20)
- SHEET 16. TS 07 DISTRICT ONE - DETECTION LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING
- SHEET 17. TC 10 TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
- SHEET 18. TC 13 DISTRICT ONE TYPICAL PAVEMENT MARKINGS
- SHEET 19. TC 16 PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
- SHEET 20. BD 08 DETAILS FOR FRAMES AND LIDS WITH MILLING
- SHEET 21. BD 24 CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
- SHEET 22. BD 32 BUTT JOINT AND HMA TAPER DETAILS

## STATE WIDE STANDARDS

STANDARD NUMBER	DESCRIPTION
000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
424001-05	CURB RAMPS FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
602301-02	INLET - TYPE A
602401-02	MANHOLE TYPE A
602601-02	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
604051-03	FRAME AND GRATE TYPE II
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701306-02	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY FOR SPEEDS > 45 MPH
701901-01	TRAFFIC CONTROL DEVICES

CITY OF GENEVA  
KANE COUNTY, ILLINOIS

DESIGNED - CEO  
DRAWN - HL PM  
CHECKED - PB  
DATE - APRIL 2010

REVISED - -  
REVISED - -  
REVISED - -  
REVISED - -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
ANDERSON BLVD LAPP IMPROVEMENTS

LEGEND, INDEX, STATE STANDARDS, BENCH MARKS

SCALE: \_\_\_\_\_

JOB NO. C-91-545-10  
STA. 0+00 TO STA. 34+22

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1678	10-00111-00-RS	KANE	22	2
FED. ROAD DIST. NO. C-91-545-10		CONTRACT NO. 63478		
ILLINOIS		FED. AID PROJECT ARA-9003(679)		

## GENERAL NOTES

1. THE CONTRACTOR SHALL OBTAIN, ERECT, MAINTAIN AND REMOVE ALL SIGNS, BARRICADES, FLAGGERS AND OTHER TRAFFIC CONTROL DEVICES AS MAY BE NECESSARY FOR THE PURPOSE OF REGULATING, WARNING OR GUIDING TRAFFIC. PLACEMENT AND MAINTENANCE OF ALL TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE APPLICABLE PARTS OF ARTICLE 107.14 OF THE STANDARD SPECIFICATIONS AND THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAY.
  2. ALL ELEVATIONS SHOWN ARE BASED ON U.S.G.S. DATUM.
  3. ARTICLE 105.06 OF THE STANDARD SPECIFICATIONS REQUIRES THE CONTRACTOR TO HAVE A COMPETENT SUPERINTENDENT ON THE PROJECT SITE AT ALL TIMES, IRRESPECTIVE OF THE AMOUNT OF WORK SUBLET. THE SUPERINTENDENT SHALL BE CAPABLE OF READING AND UNDERSTANDING THE PLANS AND SPECIFICATIONS, AND SHALL BE RESPONSIBLE FOR SCHEDULING AND HAVE CONTROL OF ALL WORK AS THE AGENT OF THE CONTRACTOR. FAILURE TO COMPLY WITH THIS PROVISION WILL RESULT IN A SUSPENSION OF WORK AS PROVIDED IN ARTICLE 108.07.
  4. THE CONTRACTOR SHALL PROTECT AND PRESERVE ALL SECTION OR SUBSECTION SURVEY MONUMENTS OR PROPERTY OR REFERENCE MARKERS UNTIL THE OWNER, HIS OR HER AGENT OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.
5. THE UNIT PRICE FOR ALL REMOVAL PAY ITEMS AND TEMPORARY RAMPS SHALL INCLUDE ALL REQUIRED SAW CUTS.
6. ALL WORK PERFORMED RELATIVE TO THIS IMPROVEMENT SHALL COMPLY WITH ALL APPLICABLE RULES AND REGULATIONS OF O.S.H.A.
7. CONTRACTOR SHALL PROVIDE AND INSTALL SAND BAGS, BARRICADES AND SIGNS AS LISTED IN THE CONTRACT DOCUMENTS. THESE ITEMS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICE FOR THE TRAFFIC CONTROL AND PROTECTION ITEMS.
8. BEFORE STARTING ALL EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 811 OR 800-892-0123 FOR FIELD LOCATIONS OF ALL BURIED UTILITIES: STORM, SANITARY, WATERMAIN, ELECTRIC, COMMUNICATION, AND GAS FACILITIES (48 HOUR NOTIFICATION IS REQUIRED).
  9. BEFORE ANY WORK BEGINS THE CONTRACTOR SHALL CALL A JOINT MEET TO COORDINATE CONSTRUCTION ACTIVITIES WITH THE UTILITY COMPANIES AND THE CITY OF GENEVA.
10. 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 45 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 MILLED PAVEMENT IS SLOPED A MINIMUM 1:3 (V:H).
11. IF THE CONTRACTOR CHOOSES TO MILL THE PAVEMENT FULL DEPT AT THE POINT WHERE THE OLD AND NEW PAVEMENT ABUTS, TEMPORARY RAMPS WILL BE INSTALLED. HOWEVER THE CONTRACTOR HAS THE OPTION TO TAPER THE LAST FOUR FEET DURING THE MILLING PROCESS. THE TAPER SHALL BE REMOVED TO THE FULL DEPTH OF THE MILLING BEFORE THE SURFACE MATERIAL IS PLACED.
12. WHENEVER, DURING THE CONSTRUCTION OPERATIONS LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF THE CURB OR DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE END OF THE DAY IF THERE IS NO RAIN IN THE FORECAST OR IF RAIN IS IN THE FORECAST, IT SHALL BE REMOVED IMMEDIATELY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS ALL DRAINAGE STRUCTURES SHALL BE FREE FROM DIRT AND CONSTRUCTION DEBRIS. THE WORK SPECIFIED ABOVE WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE COST OF CONTRACT PAY ITEMS.
13. EXISTING PUBLIC AND PRIVATE UTILITIES ARE SHOWN ON THE PLANS ACCORDING TO INFORMATION OBTAINED FROM UTILITY COMPANIES, MUNICIPALITIES, AND SURVEYS. THE CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE LOCATION OF ALL UTILITIES AND STRUCTURES THAT MAY BE FOUND IN THE VICINITY OF THE CONSTRUCTION. THE ACTUAL LOCATIONS AND/OR ELEVATIONS OF THE UTILITIES MAY BE DIFFERENT THAN INDICATED. IF ALLOWED BY THE OWNER OF

THE UTILITY THE CONTRACTOR MAY MAKE REPAIRS IN A MANNER THAT IS ACCEPTABLE TO THE ENGINEER AND / OR THE OWNER OF THE UTILITY. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES OF HIS OR HER CONSTRUCTION SCHEDULE AND COORDINATE CONSTRUCTION OPERATIONS WITH THE UTILITY COMPANIES SO THE RELOCATION OF UTILITY LINES AND STRUCTURES MAY PROCEED IN AN ORDERLY MANNER. THIS WORK SHALL BE DONE IN ACCORDANCE WITH ARTICLES 105.07 AND 107.20.

14. DURING CONSTRUCTION, IF THE CONTRACTOR ENCOUNTERS OR OTHERWISE BECOMES AWARE OF ANY SEWER, UNDERDRAINS OR FIELD DRAINS WITHIN THE RIGHT-OF-WAY OTHER THAN THOSE SHOWN ON THE PLANS, HE OR SHE SHALL SO INFORM THE ENGINEER WHO SHALL DIRECT THE WORK NECESSARY TO MAINTAIN OR TO REPLACE THE FACILITIES IN SERVICE AND TO PROTECT THEM FROM DAMAGE DURING CONSTRUCTION IF IT IS TO BE MAINTAINED. THIS WORK IS IN ACCORDANCE WITH ARTICLE 105.07. EXISTING FACILITIES TO BE MAINTAINED THAT ARE DAMAGED BECAUSE OF NON-COMPLIANCE WITH THIS PROVISION SHALL BE REPLACED OR REPAIRED AT THE CONTRACTOR'S EXPENSE.
15. TYPICALLY ANDERSON BOULEVARD SHALL REMAIN OPEN TO TRAFFIC. HOWEVER, IF IT EVER BECOMES NECESSARY TO CLOSE ONE LANE OF ANDERSON BOULEVARD DUE TO THE CONSTRUCTION ACTIVITIES, THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF ONE-WAY TRAFFIC DURING WORKING HOURS WITH THE USE OF SIGNS AND FLAGMEN AS SHOWN ON THE TRAFFIC CONTROL STANDARDS. TWO LANES OF TRAFFIC SHALL BE MAINTAINED AT ALL OTHER TIMES. ACCESS TO ALL ADJOINING PROPERTIES SHALL BE MAINTAINED AT ALL TIMES.
16. CLASS "SI" CONCRETE SHALL BE USED FOR ALL CURB AND GUTTER, AND SIDEWALK. CLASS "PV" SHALL BE USED FOR DRIVEWAYS AND BASE COURSE. BOTH CLASSES OF PCC STATED SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3,500 PSI IN 14 DAYS. NO CHERT SHALL BE INCORPORATED AND THEY SHALL CONTAIN AN APPROVED AIR-ENTRAINMENT ADMIXTURE TO PRODUCE A TOTAL AIR CONTENT BETWEEN 5% AND 8% BY VOLUME. THE CONTRACTOR'S Q/C MANAGER SHALL SUBMIT A MIX DESIGN APPROVED BY IDOT THAT MEETS THE ALKALI-SILICA REACTION FOR CAST-IN-PLACE CONCRETE (SEE THE ALCALI-SILICA BDE).
17. COMPENSATION SHALL NOT BE ALLOWED FOR RESTORATION OF DISTURBED AREAS OUTSIDE THE CONSTRUCTION LIMITS IF NOT APPROVED BY THE ENGINEER. IT SHALL BE MEASURED IN PLACE FOR PAYMENT USING AVERAGE DIMENSIONS. AFTER THE TOPSOIL IS PLACED, THE SEED, FERTILIZER AND MULCH SHALL BE PLACED WITHIN 72 HOURS. THE CONTRACTOR SHALL MAINTAIN THE RESTORED AREAS WEED FREE UNTIL THE SEED AND MULCH IS PLACED. PRIOR TO SEEDING AND MULCHING IF WEEDS GERMINATE, IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE THEM AND ANY OTHER DELETERIOUS MATERIAL PRIOR TO SEEDING AND MULCHING AS DIRECTED BY THE ENGINEER. THIS WORK IF IT BECOMES NECESSARY SHALL BE INCLUDED IN THE COST OF THE RESTORATION.
18. PRIOR TO APPLYING THE BITUMINOUS PRIME COAT AND/OR PAVING, THE ROADWAY SHALL BE CLEANED OF ALL DUST, DIRT, WEEDS AND OTHER HARMFUL OR DELETERIOUS MATERIALS. THE WORK TO REMOVE CHUNKS OF ASPHALT AND THE WINDROW OF MILLINGS LEFT BEHIND BY THE MILLING MACHINE SHALL BE DONE TO THE SATISFACTION OF THE ENGINEER. THIS WORK WILL BE INCLUDED IN THE PRICE OF THE ITEM HOT-MIX ASPHALT SURFACE REMOVAL, 3".
19. THE CONTRACTOR WILL NOT BE ALLOWED ON ANY SIDE STREETS WITH LOADED CONSTRUCTION TRUCKS AND EQUIPMENT EXCEPT AT THE END OF THE WORK DAY FOR OVERNIGHT PARKING. THE EQUIPMENT SHALL THEN BE BARRICADED FOR SAFETY. THE COST ASSOCIATED WITH THIS IS INCLUDED IN TRAFFIC CONTROL AND PROTECTION. THE CONTRACTOR IS ALSO REQUIRED TO OBTAIN OVERWEIGHT PERMITS FROM THE CITY TO MOVE EQUIPMENT IN AND OUT OF TOWN. **NO FEES WILL BE CHARGED BY THE CITY OF GENEVA FOR LOCAL ACCESS PERMITS ISSUED THAT ARE ASSOCIATED WITH THIS CONTRACT.** FAILURE TO COMPLY WITH THE ABOVE MAY RESULT IN THE DRIVERS AND OPERATORS OF THESE VEHICLES BEING CITED BY THE GENEVA POLICE DEPARTMENT. PERMIT APPLICATIONS ARE AVAILABLE FROM CITY OF GENEVA, DEPARTMENT OF PUBLIC WORKS. THE CITY WILL ASSIGN THE ROUTE THAT THE CONTRACTOR IS ALLOWED DURING MOBILIZATION.
20. THE CONTRACTOR SHALL PROVIDE BUSINESSES, AND MOTORISTS TWENTY-FOUR (24) HOURS ADVANCE NOTICE OF PARKING RESTRICTIONS WITH APPROPRIATE SIGNS AND/OR BARRICADES PLACED. THESE SIGNS SHALL MEET THE APPROVAL OF THE ENGINEER. THE ENGINEER WILL SUPPLY THE CONTRACTOR WITH COPIES OF WRITTEN NOTICES FOR HIM TO DISTRIBUTE, EACH NOTICE SHALL BE A SINGLE USE. THE CONTRACTOR SHALL NOTIFY THE ENGINEER WHEN HE NEEDS ANOTHER NOTICE. AFTER THE CONTRACTOR HAS MOBILIZED AND AT LEAST TWO (2) DAYS BEFORE HE STARTS WORKING, HE SHALL HAND OUT THE FIRST NOTICE TO RESIDENTS AND BUSINESS OWNERS. LOCAL TRAFFIC, GARBAGE PICK-UP AND MAIL SERVICE SHALL BE MAINTAINED DURING THE WORK DAY. THE CONTRACTOR SHALL NOT CLOSE THE ROAD BEFORE HE INFORMS THE ENGINEER AND A DETOUR PLAN IS AGREED TO. IF EMERGENCY PERSONNEL HAVE TO BE CALLED TO THE WORK SITE OR IF DAMAGE WAS DONE TO ANY UTILITY THE ENGINEER SHALL BE IMMEDIATELY INFORMED. IN CASES WHERE A DRIVEWAY NEEDS TO BE CLOSED, THE ENGINEER, AND THE RESIDENTS SERVED BY THE DRIVEWAY SHALL BE

CITY OF GENEVA  
KANE COUNTY, ILLINOIS

DESIGNED	- CEO	REVISED	-
DRAWN	- HL PM	REVISED	-
CHECKED	- PB	REVISED	-
DATE	- APRIL 2010	REVISED	-

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
ANDERSON BLVD LAPP IMPROVEMENTS

GENERAL NOTES

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1678	10-00111-00-RS	KANE	15	3
FED. ROAD DIST. NO. C-91-545-10		CONTRACT NO. 63478		
ILLINOIS		FED. AID PROJECT ARA-9003(679)		

SCALE: \_\_\_\_\_

JOB NO. C-91-545-10  
STA. 0+00 TO STA. 34+22

NOTIFIED. IN NON-EMERGENCY SITUATIONS THIS NOTICE SHALL BE SENT AT LEAST TWENTY-FOUR (24) HOURS IN ADVANCE. IN CASES WHERE AN ELDERLY OR PHYSICALLY CHALLENGED PERSON NEEDS ACCESS, THE CONTRACTOR WILL IMMEDIATELY AFFORD INGRESS AND/OR EGRESS AND SHALL MAINTAIN THIS ACCESS OR FACILITATE THE RESIDENTS INGRESS AND/OR EGRESS AS NEEDED.

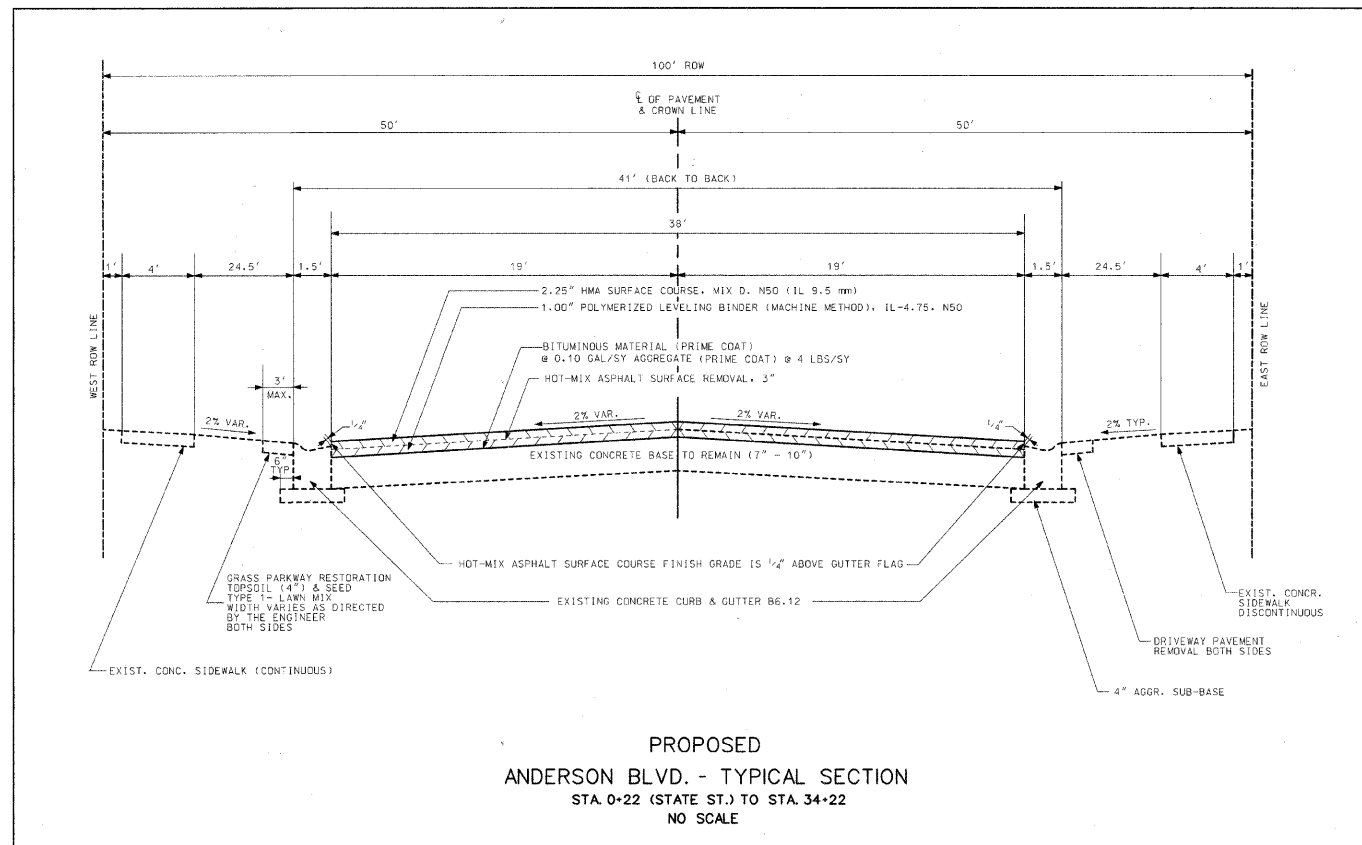
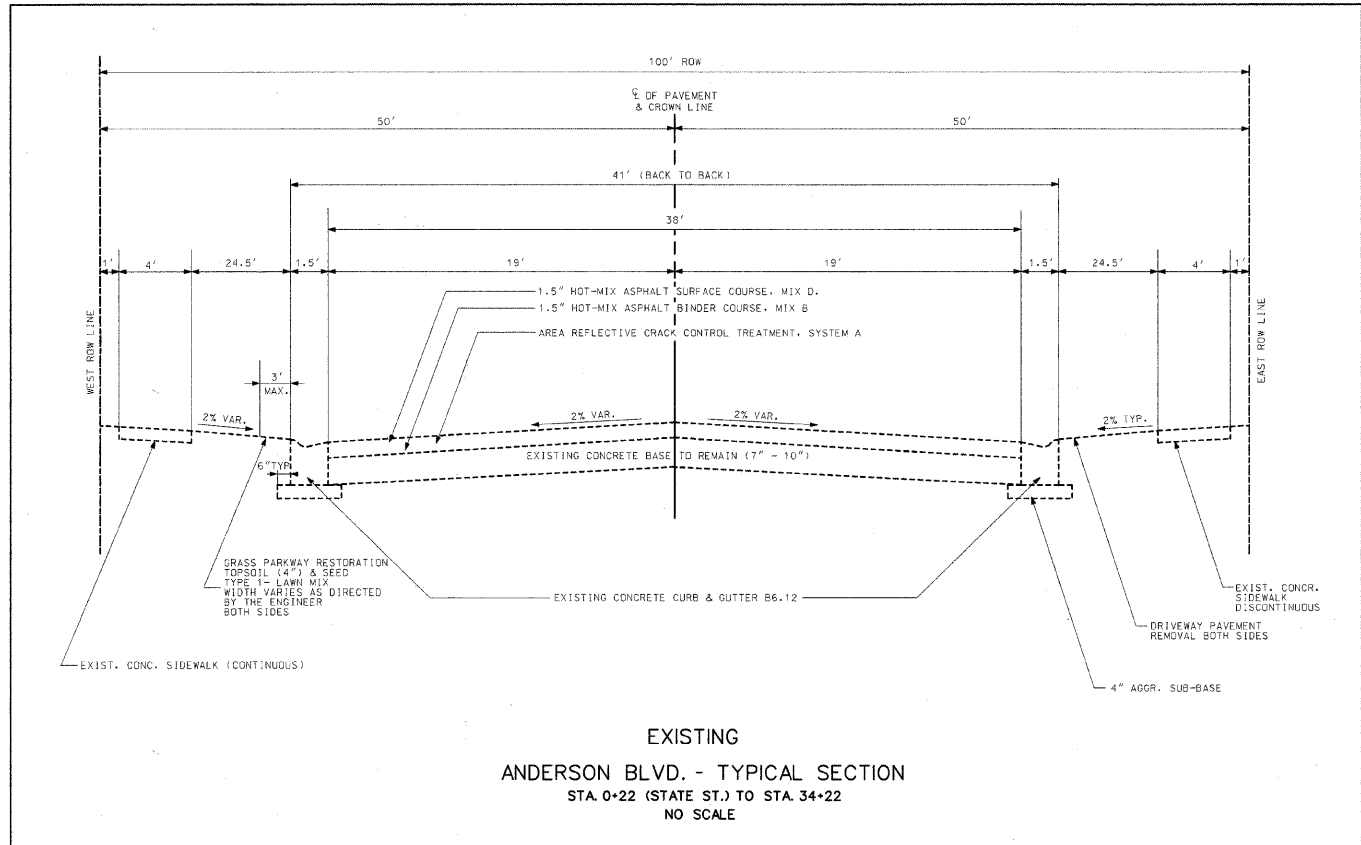
21. THE CITY OF GENEVA ADVISES THAT THE USE OF CITY WATER FROM A HYDRANT OR FROM THE WASTE WATER TREATMENT PLANT FOR THIS PROJECT WILL BE AT NO CHARGE TO THE CONTRACTOR. THE WATER USED FROM HYDRANTS SHALL BE METERED. THE CONTRACTOR SHALL OBTAIN A HYDRANT METER FROM THE CITY OF GENEVA'S, PUBLIC WORKS DEPARTMENT. USE OF A WATER HOSE LARGER THAN TWO (2") INCHES SHALL ONLY BE CONNECTED ONTO HYDRANTS AT THE PUBLIC WORKS FACILITY AT 1800 SOUTH STREET. THIS WATER CAN THEN BE TRUCKED TO THE LOCATION WHERE IT WILL BE USED. THE CONTRACTOR WILL BE ALLOWED UP TO A TWO (2") INCH WATER HOSE ON HYDRANT(S) SPECIFIED BY THE ENGINEER. A DEPOSIT IS REQUIRED FOR ALL METERS: \$1,000.00 FOR TWO (2") INCHES AND ABOVE AND \$200.00 FOR METERS SMALLER THAN TWO (2") INCHES. IF THE CONTRACTOR USES THE WATER WITHIN THE GUIDELINES SPECIFIED ABOVE AND RETURNS THE METER UNDAMAGED THE DEPOSIT SHALL BE REFUNDED. THE CONTRACTOR OR SUBCONTRACTOR MAY TRUCK IN WATER AT HIS OWN EXPENSE FOR ANY AND ALL USE IN THIS PROJECT. IF WATER IS TRUCKED IN, THE SOURCE OF THE WATER MUST BE DISCLOSED AND VERIFIED TO THE ENGINEER. DURING PERIODS OF HIGH DEMAND FOR POTABLE WATER OR AT OTHER TIMES THE ENGINEER MAY DIRECT TO CONTRACTOR TO USE GRAY WATER FROM THE WASTE WATER TREATMENT PLANT.
22. DETECTABLE WARNINGS SHALL BE PLACED AS DIRECTED BY THE ENGINEER. DETECTABLE WARNINGS SHALL MEET THE REQUIREMENTS OF THE STATE OF ILLINOIS, THE AMERICAN WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES (ADAAG), AND/OR OTHER ACCEPTED ACCESSIBILITY GUIDELINES, AND DETAIL #424001-05 SPECIFIED ON PAGE #2 OF THE PLANSET. THEY SHALL BE INSTALLED ACCORDING TO SECTION 424 OF THE STANDARD SPECIFICATIONS (SEE ARTICLE 424.09). THE DETECTABLE WARNINGS USED ON THIS PROJECT SHALL HAVE THE FOLLOWING CERTIFICATIONS AND SHALL BE APPROVED BY THE ENGINEER PRIOR TO USE.
  - A) MANUFACTURER'S CERTIFICATION STATING THE ACCESSABILITY GUIDELINES WITH WHICH IT IS IN COMPLIANCE.
  - B) MANUFACTURER'S 5 YEAR WARRANTY.
  - C) MANUFACTURER'S SPECIFICATIONS STATING THE REQUIRED MATERIALS, EQUIPMENT, AND INSTALLATION PROCEDURES WHICH THE CONTRACTOR SHALL ADHERE TO.
 PAYMENT FOR DETECTABLE WARNINGS WILL BE IN ADDITION TO THE SQUARE FOOTAGE OF THE SIDEWALK UNDERNEATH THE PANEL.
23. IF GRANULAR MATERIAL IS NEEDED FOR RE-GRADING ROADWAY, BELOW SIDEWALKS, DRIVEWAYS, AND CURB, RECYCLED MATERIAL WITH THE CORRECT GRADATION, FROM AN APPROVED SOURCE WILL BE ALLOWED.
24. THE CONTRACTOR SHALL PROTECT THE PARKWAY GRASS FROM PERMANENT DAMAGE AND RUTTING WHILE REMOVING AND REPLACING THE SIDEWALK. ALL SPOILS SHALL BE LOADED ONTO A TRUCK AS IT IS BEING REMOVED AND SHALL NOT BE STOCK PILED ON THE ROADWAY.
25. It will be the responsibility of the Contractor to protect the new concrete from the weather and from being defaced. Any section of new concrete that is deemed unacceptable by the Engineer shall be removed, disposed of, and replaced at the Contractor's expense.

CITY OF GENEVA KANE COUNTY, ILLINOIS	DESIGNED - CEO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION ANDERSON BLVD LAPP IMPROVEMENTS	GENERAL NOTES		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	DRAWN - HL PM	REVISED -				1678	10-00111-00-RS	KANE	15	4	
	CHECKED - PB	REVISED -				JOB NO. C-91-545-10		FED. ROAD DIST. NO. C-91-545-10		CONTRACT NO. 63478	
	DATE - APRIL 2010	REVISED -				SCALE: _____		STA. 0+00 TO STA. 34+22		ILLINOIS FED. AID PROJECT ARA-9003(679)	

**SUMMARY OF QUANTITIES**  
ANDERSON BOULEVARD IMPROVEMENTS

PAY ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY	LAPP ROADWAY	NON PARTICIPATING
20101400	NITROGEN FERTILIZER NUTRIENT	POUND	29.00	29.00	
20101500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	29.00	29.00	
20101600	POTASSIUM FERTILIZER NUTRIENT	POUND	29.00	29.00	
21101615	TOPSOIL, FURNISH AND PLACE, 4"	SQ YD	1556.00	1556.00	
25000100	SEEDING, CLASS 1	ACRE	0.32	0.32	
25100125	MULCH METHOD 3	ACRE	0.32	0.32	
40300100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	1671.00	1671.00	
40600300	AGGREGATE (PRIME COAT)	TON	26.00	26.00	
40600826	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	902.00	902.00	
40600895	CONSTRUCTING TEST STRIP	EACH	1.00	1.00	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	781.00	781.00	
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50, (IL-9.5mm)	TON	2168.00	2168.00	
42300300	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH	SQ YD	49.00		49.00
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	6022.00	6022.00	
42400400	PORTLAND CEMENT CONCRETE SIDEWALK 7 INCH	SQ FT	849.00	849.00	
42400605	SIDEWALK REPAIR (SPECIAL)	SQ FT	113.00		113.00
42400800	DETECTABLE WARNINGS	SQ FT	360.00	360.00	
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	16399.00	16399.00	
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	76.00		76.00
44000600	SIDEWALK REMOVAL	SQ FT	6828.00	6828.00	
44001700	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	265.00	265.00	
44201349	CLASS C PATCHES, TYPE I, 10 INCH	SQ YD	50.00	50.00	
56500600	DOMESTIC WATER SERVICE BOXES TO BE ADJUSTED	EACH	2.00		2.00
60219300	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 11 FRAME AND GRATE	EACH	5.00		5.00
60236800	INLETS, TYPE A, TYPE 11 FRAME AND GRATE	EACH	11.00		11.00
60300310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	19.00	19.00	
67100100	MOBILIZATION	L SUM	1.00	1.00	
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	3.00	3.00	
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1.00	1.00	
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1.00	1.00	
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	59.00	59.00	
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	310.00	310.00	
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	500.00	500.00	
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	144.00	144.00	
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	91.00	91.00	
88600600	DETECTOR LOOP REPLACEMENT	FOOT	250.00	250.00	
X0324942	GROUT REMOVAL AND REPLACEMENT	EACH	5.00		5.00
Z0004514	HOT-MIX ASPHALT DRIVEWAY PAVEMENT, 4"	SQ YD	27.00		27.00

CITY OF GENEVA KANE COUNTY, ILLINOIS	DESIGNED - CED	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION ANDERSON BLVD LAPP IMPROVEMENTS	SUMMARY OF QUANTITIES		F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - HL PM	REVISED -		1678	10-00111-00-RS	KANE	22	5		
	CHECKED - PB	REVISED -		JOB NO. C-91-545-10	FED. ROAD DIST. NO. C-91-545-10	CONTRACT NO. 63478				
	DATE - APRIL 2010	REVISED -		SCALE: _____	STA. 0+00 TO STA. 34+22	ILLINOIS	FED. AID PROJECT ARA-9003(679)			



CITY OF GENEVA  
KANE COUNTY, ILLINOIS

DESIGNED - CEO	REVISED -
DRAWN - HL PM	REVISED -
CHECKED - PB	REVISED -
DATE - APRIL 2010	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
ANDERSON BLVD LAPP IMPROVEMENTS

TYPICAL EXISTING AND PROPOSED CROSS SECTIONS	
SCALE: _____	JOB NO. C-91-545-10 STA. 0+00 TO STA. 34+22

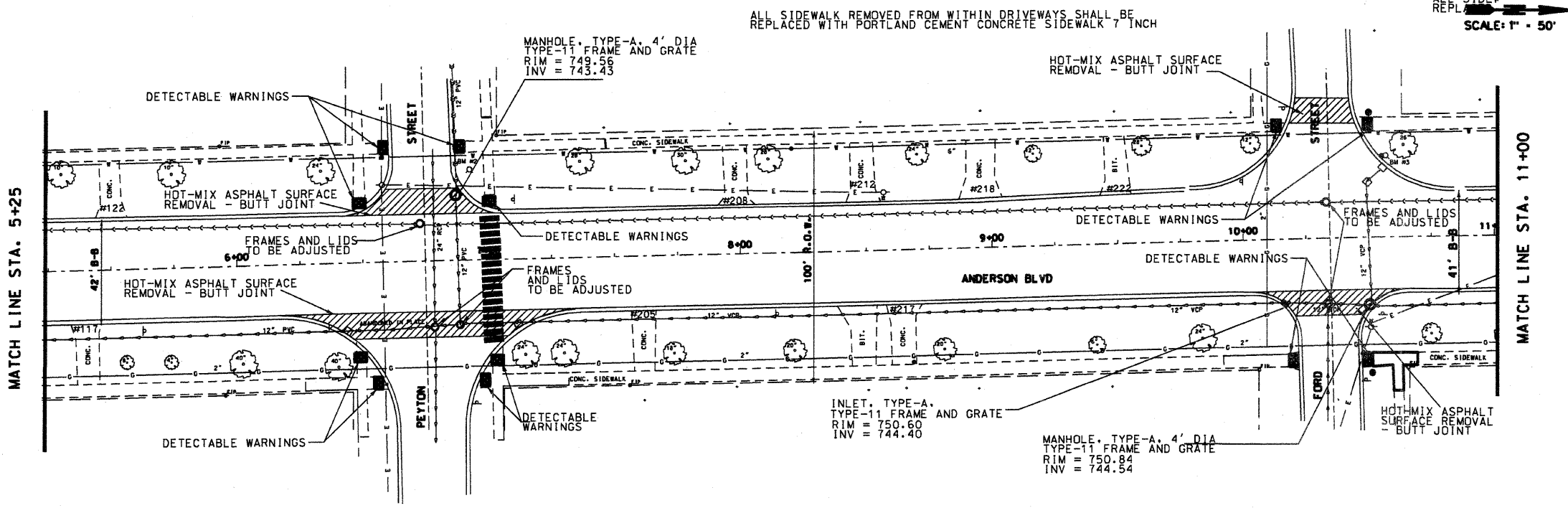
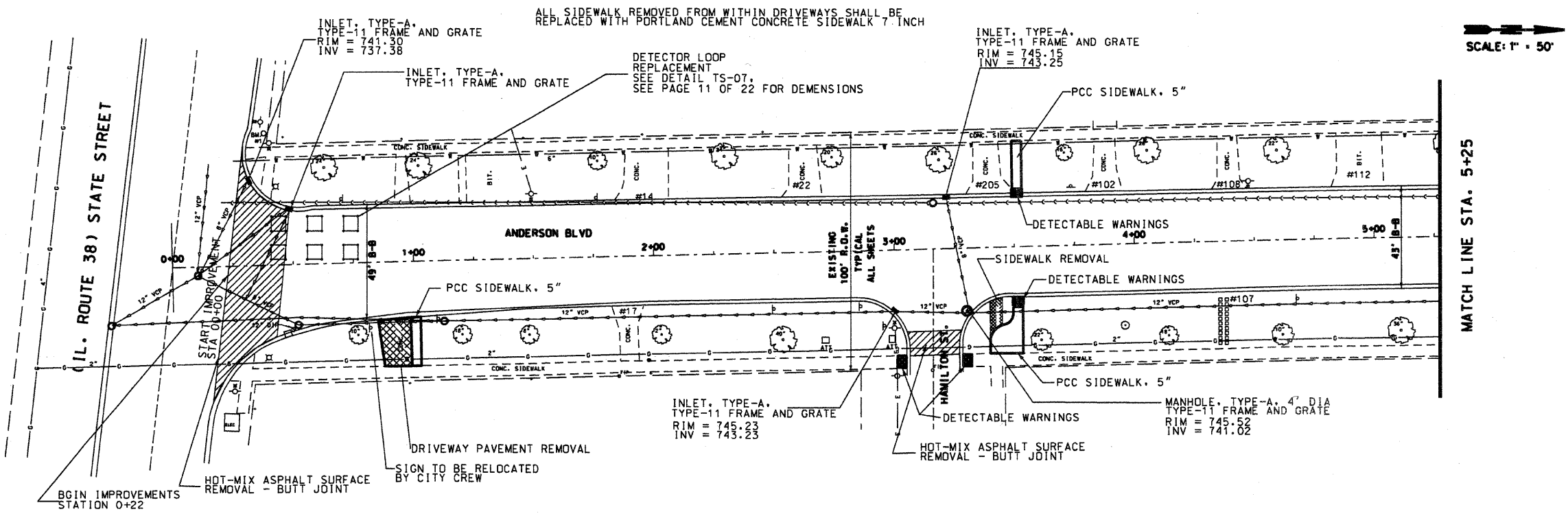
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1678	10-00111-00-RS	KANE	22	6
ILLINOIS			FED. AID PROJECT ARA-9003(679)	

**HOT MIX ASPHALT MIXTURE REQUIREMENTS  
CONCRETE SHALL BE MILLED BEFORE PATCHING**

PAVEMENT RESURFACING	AIR VOIDS
HOT MIX ASPHALT SURFACE COURSE, MIX-D, N50, (IL-9.5mm)	4% @ 50 Gyr.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	4% @ 50 Gyr.
HMA DRIVEWAY PAVEMENT	
HMA SURFACE COURSE MIX "C", N50 (IL-9.5mm)	4% @ 50 Gyr.

- 1) The unit weight used to calculate Hot-Mix Asphalt Surface Course quantities is 112 lb/sq yd/ inch
- 2) The AC Type for Polymerized HMA mixes shall be SBS / SBR PG 70-22.  
Non-Polymerized HMA AC Type shall be PG 64-22 unless modified by Dist-1 Special Provisions. For the percent of RAP see District-1 Special Provisions.





CITY OF GENEVA  
KANE COUNTY, ILLINOIS

DESIGNED	CEO	REVISED	-
DRAWN	HL PM	REVISED	-
CHECKED	PB	REVISED	-
DATE	APRIL 2010	REVISED	-

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
ANDERSON BLVD LAPP IMPROVEMENTS

GENERAL PLAN	STA 0+00 TO 11+00
JOB NO.	C-91-545-10
STA.	TO STA.

F.A.M. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1678	10-00111-00-RS	KANE	22	B
FED. ROAD DIST. NO. C-91-545-10		CONTRACT NO. 63478		
ILLINOIS		FED. AID PROJECT ARA-9003(679)		

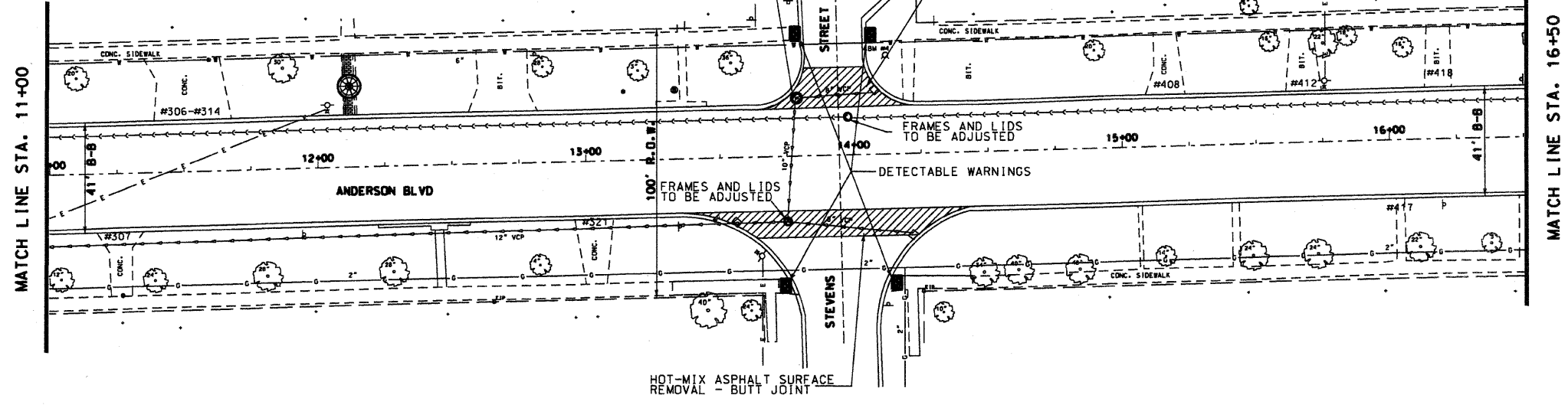


WALK REMOVED FROM WITHIN DRIVEWAYS SHALL BE REPLACED WITH PORTLAND CEMENT CONCRETE SIDEWALK 7 INCH

MANHOLE, TYPE-A, 4' DIA  
TYPE-11 FRAME AND GRATE  
RIM = 752.91  
INV (W) = 749.41  
INV (N) = 750.21  
INV (E) = 748.61

HOT-MIX ASPHALT SURFACE  
REMOVAL - BUTT JOINT

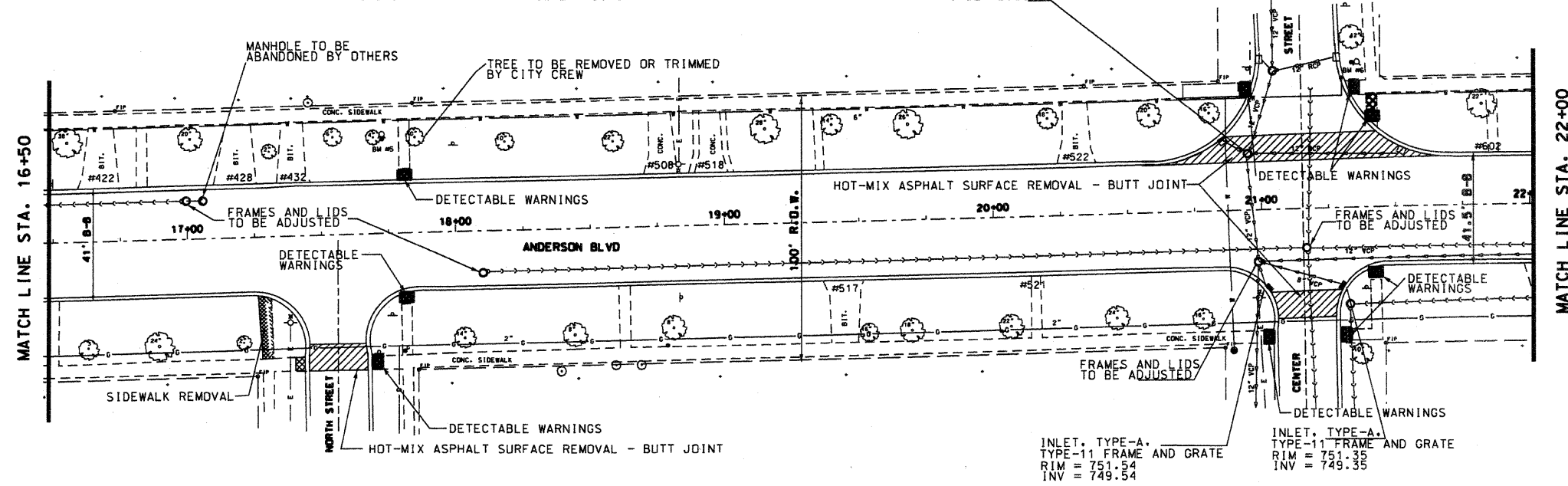
SCALE: 1" = 50'



ALL SIDEWALK REMOVED FROM WITHIN DRIVEWAYS SHALL BE REPLACED WITH PORTLAND CEMENT CONCRETE SIDEWALK 7 INCH

FRAMES AND LIDS TO BE ADJUSTED

SCALE: 1" = 50'



INLET, TYPE-A,  
TYPE-11 FRAME AND GRATE  
RIM = 751.54  
INV = 749.54

INLET, TYPE-A,  
TYPE-11 FRAME AND GRATE  
RIM = 751.35  
INV = 749.35

CITY OF GENEVA  
KANE COUNTY, ILLINOIS

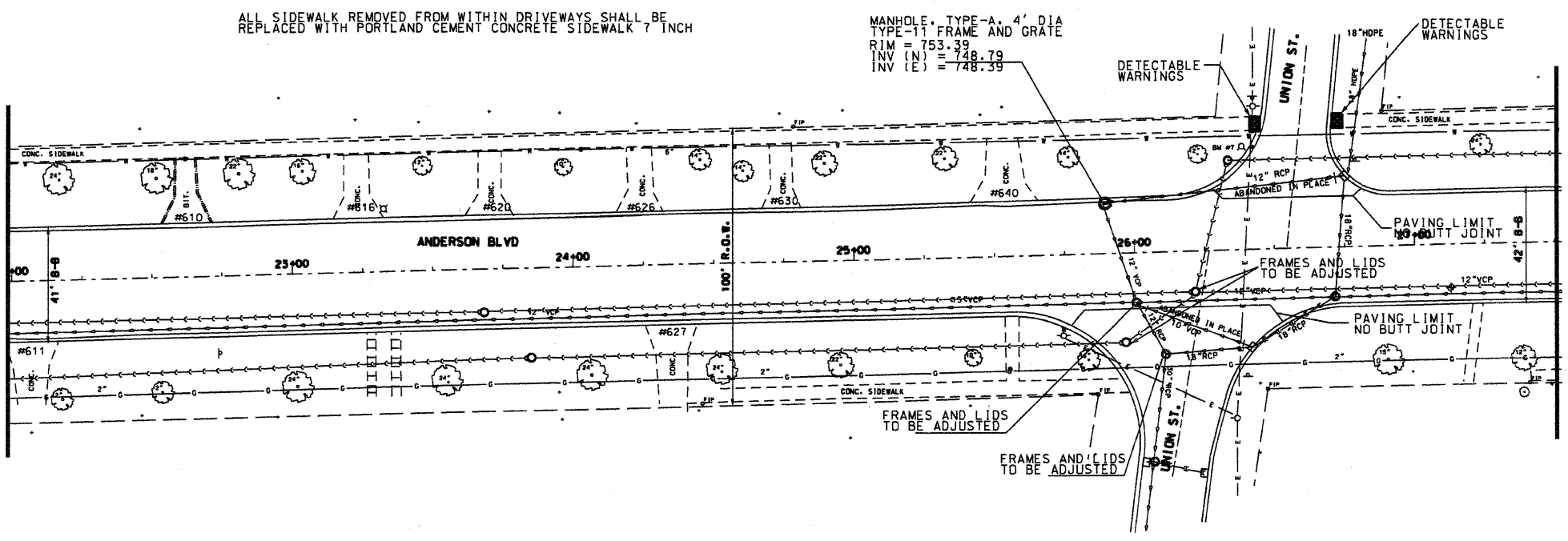
DESIGNED	HL	PM	REVISION	
DRAWN	HL	PM	REVISION	
CHECKED	PB		REVISION	
DATE	APRIL 2010		REVISION	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
ANDERSON BLVD LAPP IMPROVEMENTS

GENERAL PLAN		F.A.J.I.	SECTION	COUNTY	TOTAL SHEET
STA. 11+00 TO 22+00		1678	10-00111-00-RS	KANE	22
JOB NO. C-91-545-10		FED. ROAD DIST. NO. C-91-545-10		CONTRACT NO. 63478	
SCALE: _____		ILLINOIS		FED. AID PROJECT ARA-90031(679)	

F.A.J.I.	SECTION	COUNTY	TOTAL SHEET
1678	10-00111-00-RS	KANE	22
FED. ROAD DIST. NO. C-91-545-10		CONTRACT NO. 63478	
ILLINOIS		FED. AID PROJECT ARA-90031(679)	

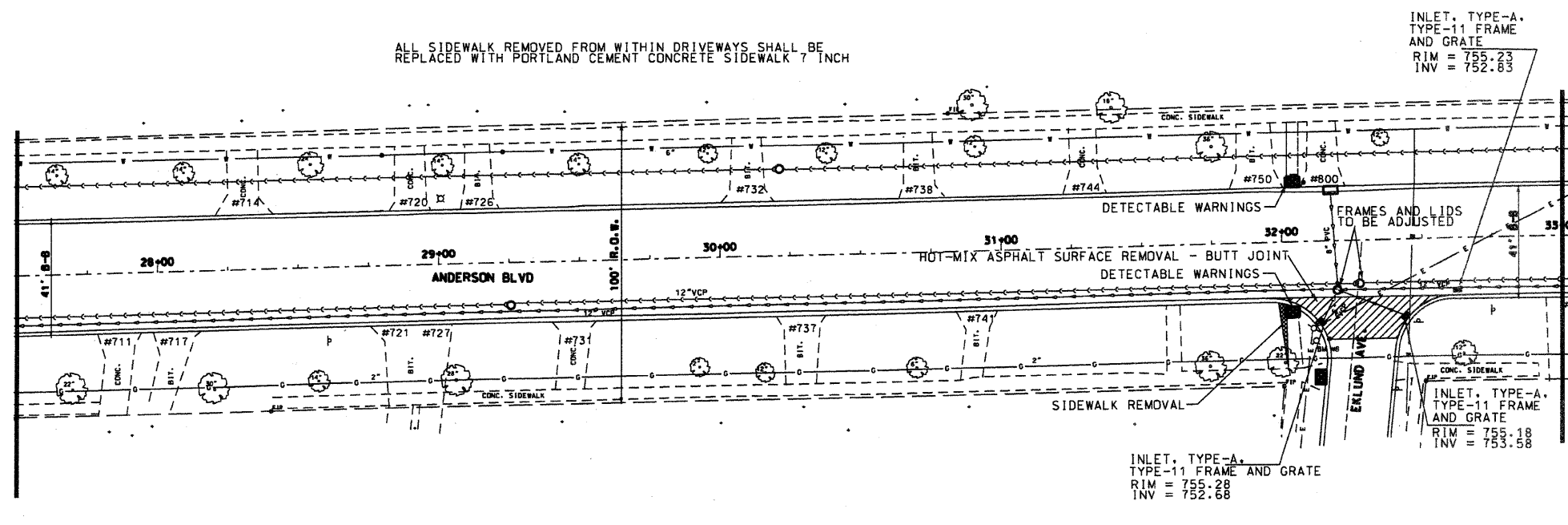
MATCH LINE STA. 22+50



SCALE: 1" = 50'

MATCH LINE STA. 27+50

MATCH LINE STA. 27+50



SCALE: 1" = 50'

MATCH LINE STA. 33+00

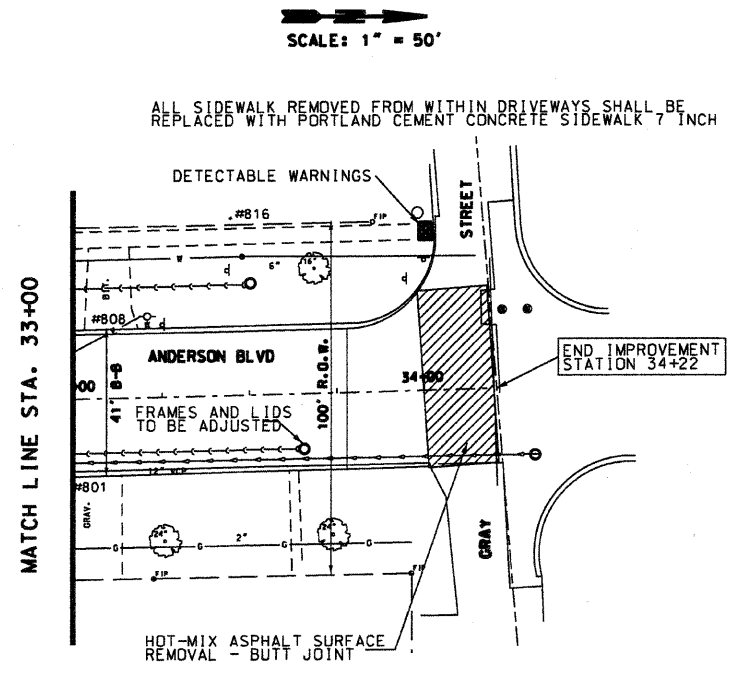
CITY OF GENEVA  
KANE COUNTY, ILLINOIS

DESIGNED	CEB	REVISED	-
DRAWN	HL PM	REVISED	-
CHECKED	PB	REVISED	-
DATE	APRIL 2010	REVISED	-

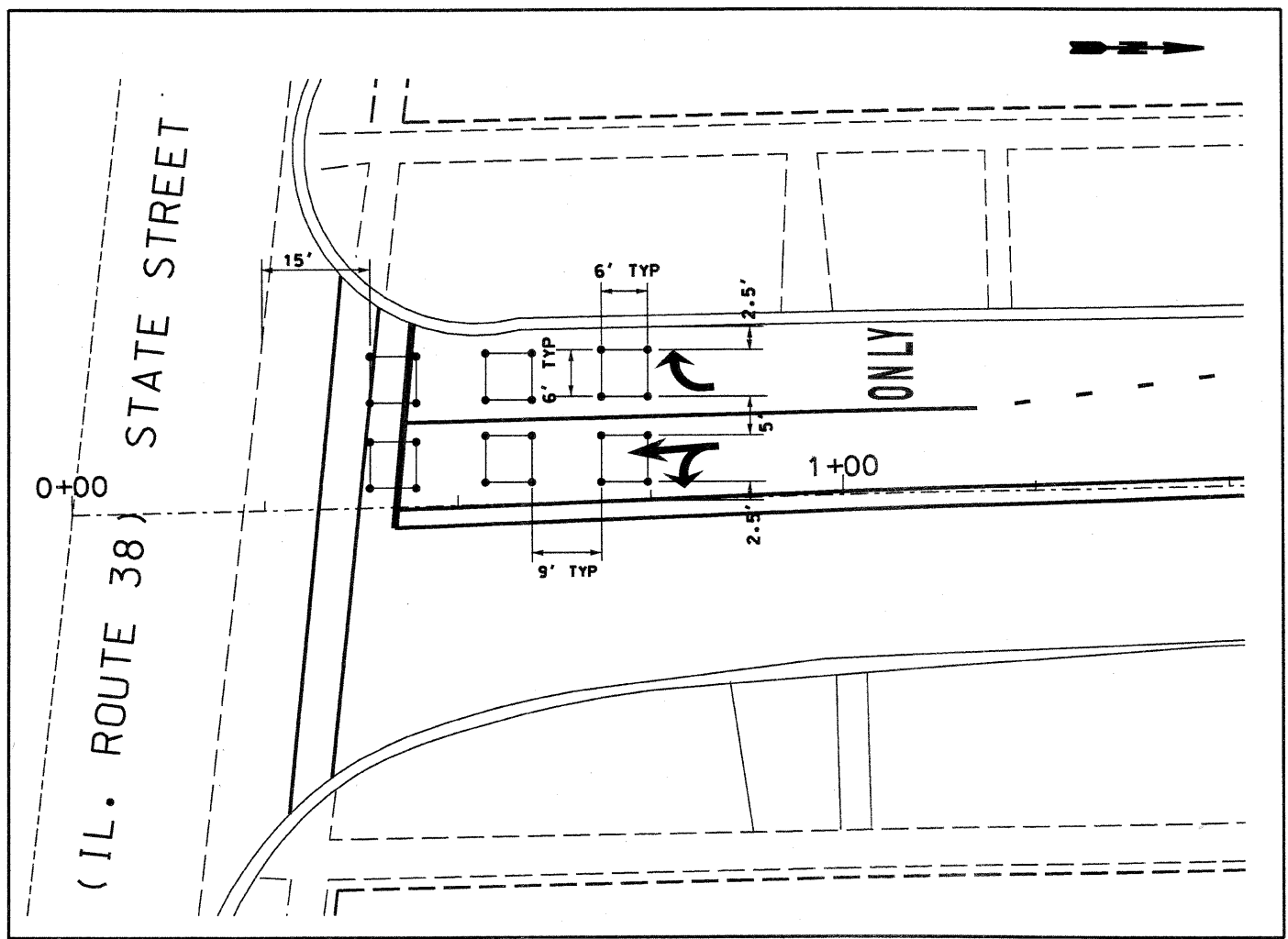
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
ANDERSON BLVD LAPP IMPROVEMENTS

GENERAL PLAN STA. 22+00 TO 33+00	
SCALE:	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1678	10-00111-00-RS	KANE	22	10
FED. ROAD DIST. NO. C-91-545-10		CONTRACT NO. 63478		
ILLINOIS		FED. AID PROJECT ARA-9003(679)		



DETECTOR LOOP REPLACEMENT DETAIL



CITY OF GENEVA  
KANE COUNTY, ILLINOIS

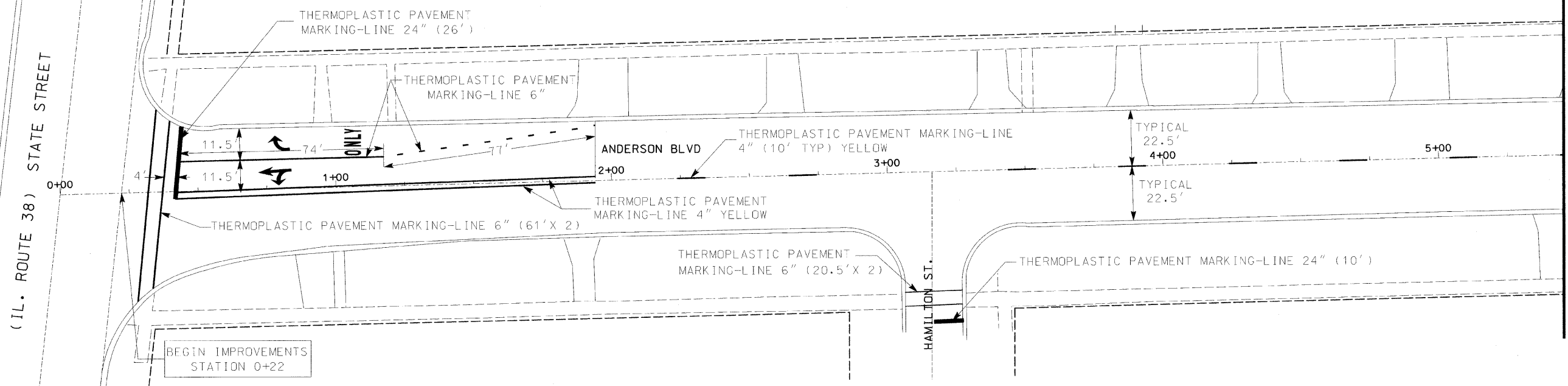
DESIGNED	CEO	REVISED	-
DRAWN	HL PM	REVISED	-
CHECKED	PB	REVISED	-
DATE	APRIL 2010	REVISED	-

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
ANDERSON BLVD LAPP IMPROVEMENTS

GENERAL PLAN	DETECTOR LOOP DETAIL
STA. 33+00 TO 34+20	
SCALE:	

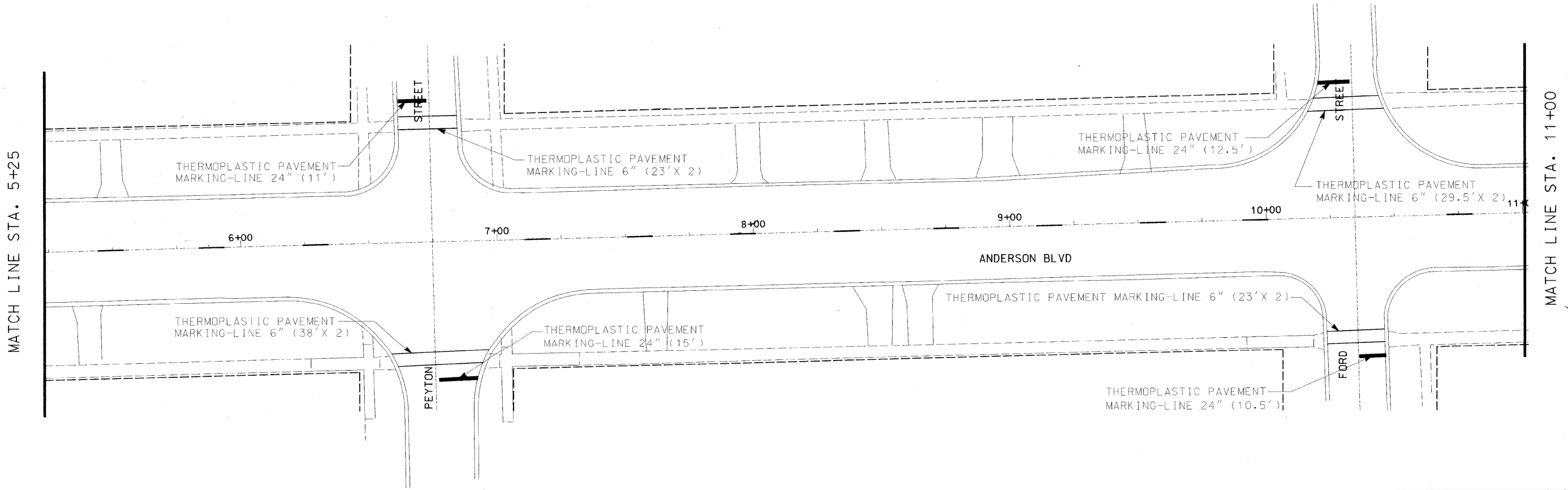
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1678	10-00111-00-RS	KANE	22	11
FED. ROAD DIST. NO.	C-91-545-10	CONTRACT NO.	63478	
ILLINOIS	FED. AID PROJECT	ARA-9003(679)		

SCALE: 1" = 20'



ALL CENTERLINE PAVEMENT MARKING WILL BE YELLOW  
ALL OTHER PAVEMENT MARKING WILL BE WHITE

SCALE: 1" = 20'



CITY OF GENEVA  
KANE COUNTY, ILLINOIS

DESIGNED - CEO  
DRAWN - HL PM  
CHECKED - PR  
DATE - APRIL 2010

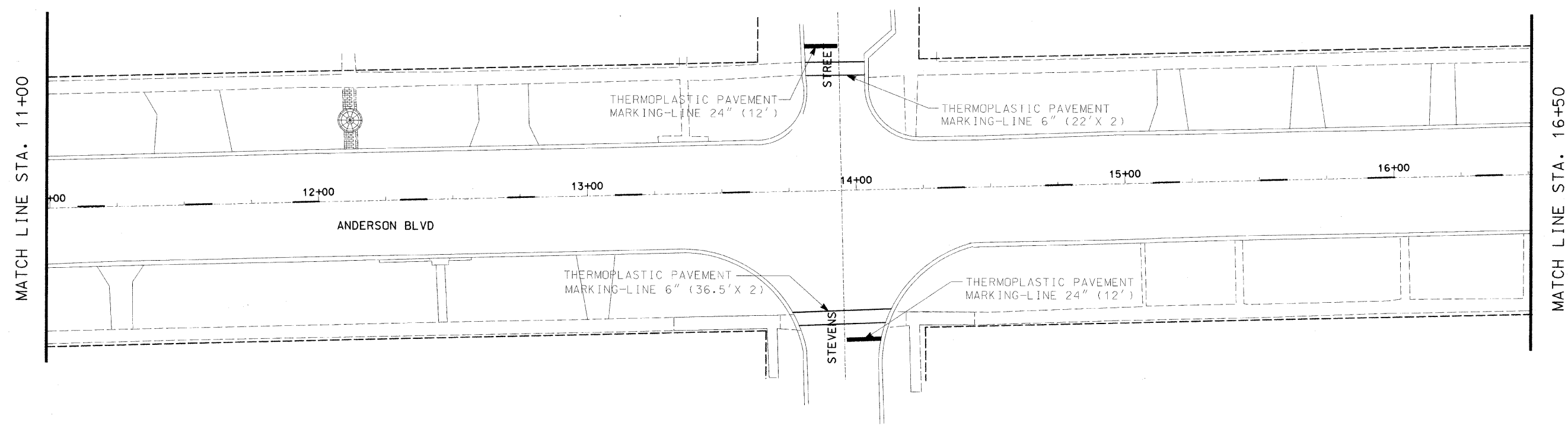
REVISED - -  
REVISED - -  
REVISED - -  
REVISED - -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
ANDERSON BLVD LAPP IMPROVEMENTS

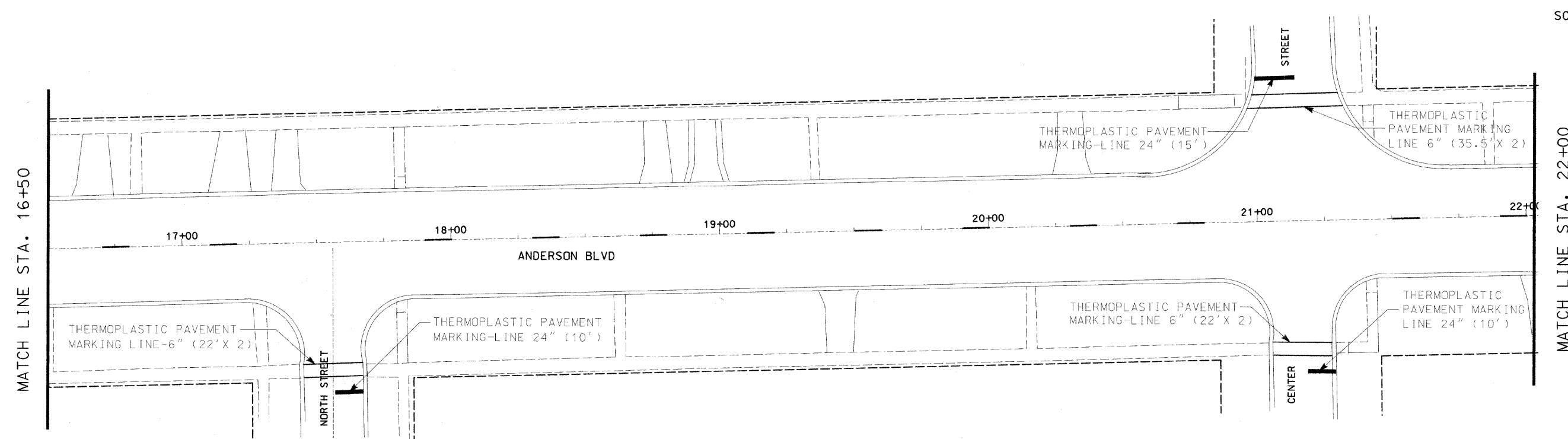
PAVEMENT MARKING PLAN  
STA. 0+00 TO 11+00  
JOB NO. C-91-515-10  
STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1678	10-00111-00-RS	KANE	22	12
FED. ROAD DIST. NO. C-91-545-10		CONTRACT NO. 63478		
ILLINOIS		FED. AID PROJECT ARA-9003(679)		

SCALE: 1" = 20'



SCALE: 1" = 20'



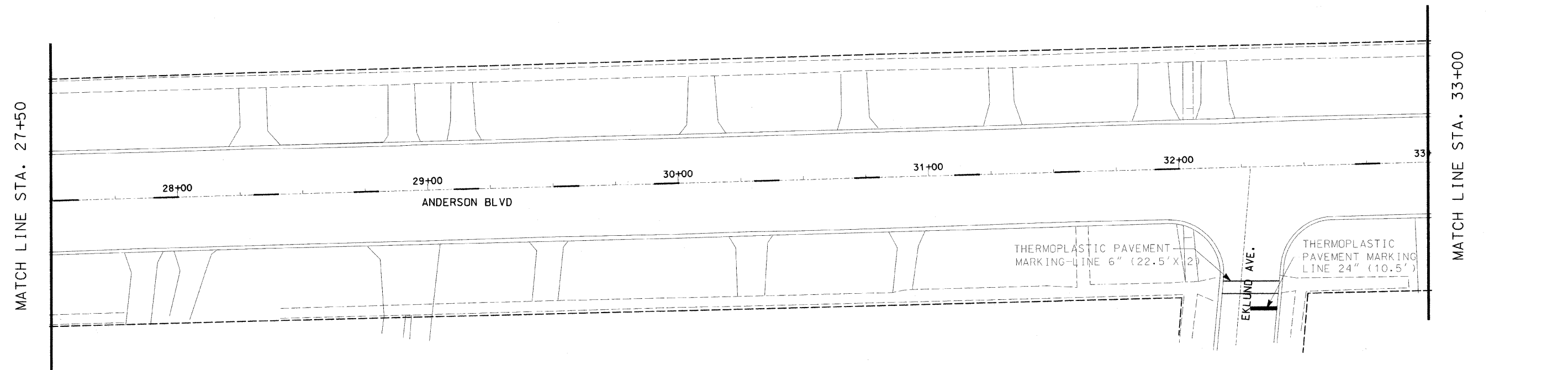
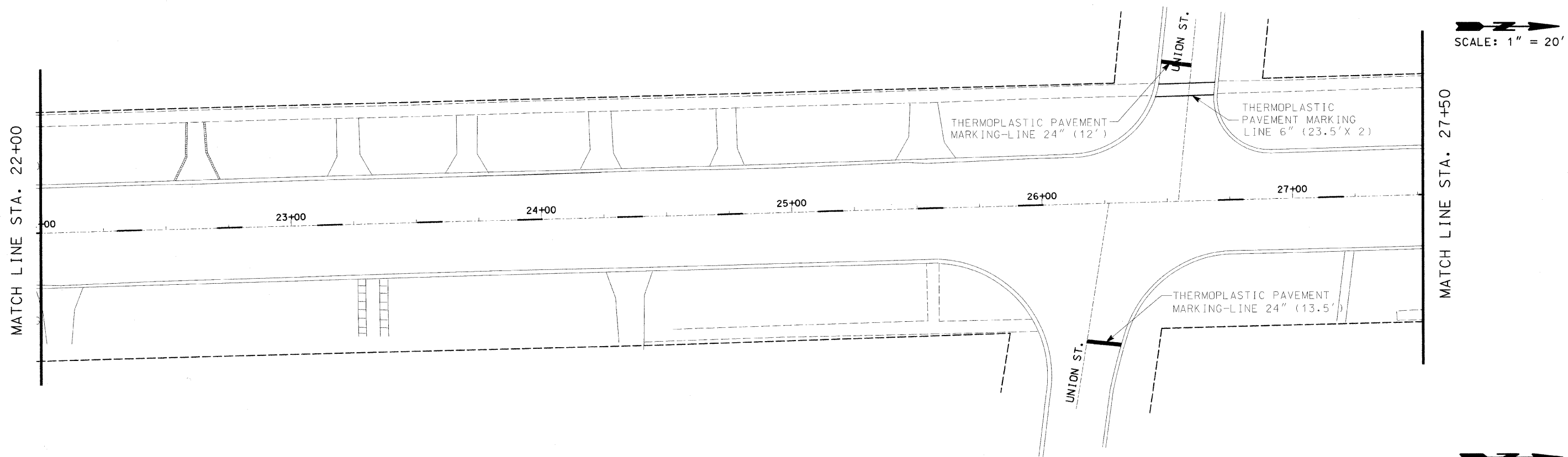
CITY OF GENEVA  
KANE COUNTY, ILLINOIS

DESIGNED - CEO	REVISED -
DRAWN - HL PM	REVISED -
CHECKED - PB	REVISED -
DATE - APRIL 2010	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
ANDERSON BLVD LAPP IMPROVEMENTS

PAVEMENT MARKING PLAN STA. 11+00 TO 22+00
JOB NO. C-91-545-10
SCALE: _____
STA. 0+00 TO STA. 34+22

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1678	10-C0111-00-RS	KANE	22	13
FED. ROAD DIST. NO. C-91-545-10		CONTRACT NO. 63478		
ILLINOIS		FED. AID PROJECT ARA-9003(679)		



CITY OF GENEVA  
KANE COUNTY, ILLINOIS

DESIGNED	- CEO	REVISED	-
DRAWN	- HL PM	REVISED	-
CHECKED	- PB	REVISED	-
DATE	- APRIL 2010	REVISED	-

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
ANDERSON BLVD LAPP IMPROVEMENTS

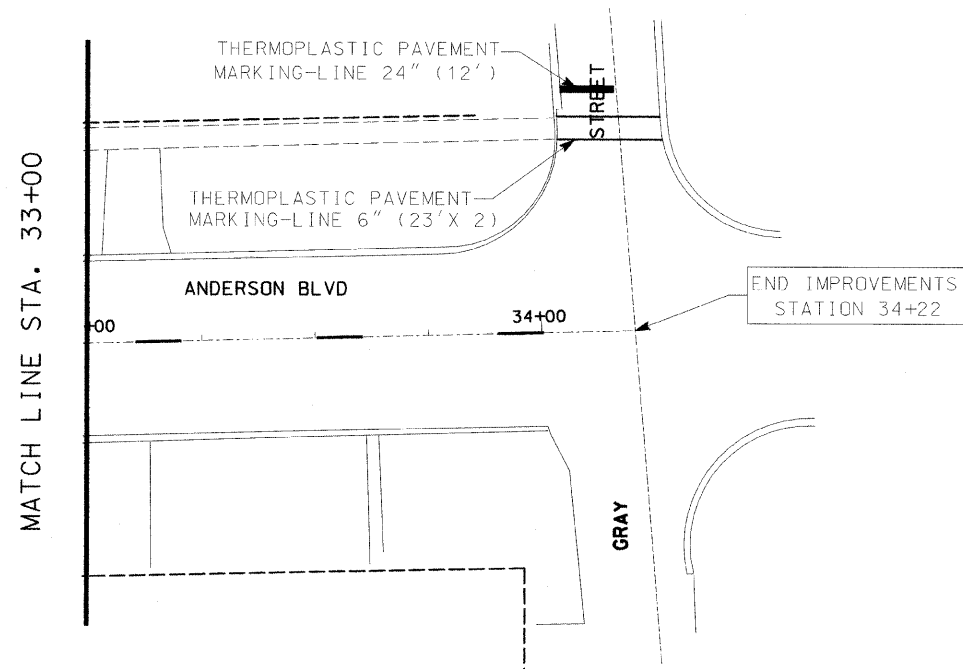
PAVEMENT MARKING PLAN  
STA. 22+00 TO 33+00

SCALE: \_\_\_\_\_

JOB NO. C-91-545-10  
STA. 0+00 TO STA. 34+22

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1678	10-0G111-00-RS	KANE	22	14
FED. ROAD DIST. NO. C-91-545-10		CONTRACT NO. 63478		
ILLINOIS		FED. AID PROJECT ARA-9003(679)		

SCALE: 1" = 20'



CITY OF GENEVA  
KANE COUNTY, ILLINOIS

DESIGNED	-	CEO	REVISED	-	-
DRAWN	-	HL PM	REVISED	-	-
CHECKED	-	PB	REVISED	-	-
DATE	-	APRIL 2010	REVISED	-	-

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
ANDERSON BLVD LAPP IMPROVEMENTS

PAVEMENT MARKING PLAN  
STA. 33+00 TO 34+20

SCALE: \_\_\_\_\_

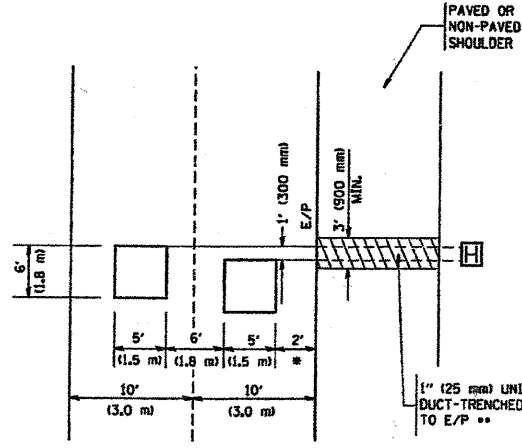
JOB NO. C-91-545-10  
STA. 0+00 TO STA. 34+22

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1678	10-00111-00-RS	KANE	22	15
ILLINOIS		FED. AID PROJECT ARA-9003(679)		



**LOOPS NEXT TO SHOULDERS**

PROVIDE A PAVEMENT REPLACEMENT NOTE WHICH SHOULD EQUAL 3' (900 mm) X WIDTH OF PAVED SHOULDER.

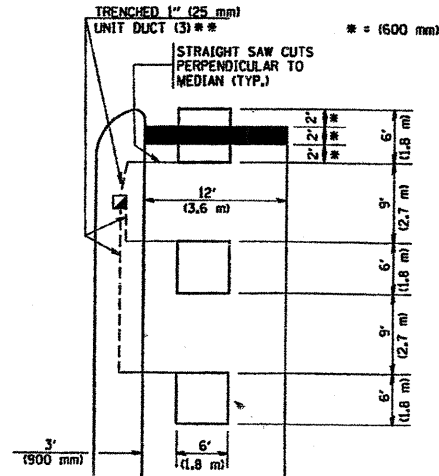


\* = (600 mm)

\*\* UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

**LEFT TURN LANES WITH MEDIANS  
VOLUME DENSITY ("FAR OUT" DETECTION)  
ON SAME APPROACH  
(PROTECTED / PERMITTED LEFT TURN PHASING)**

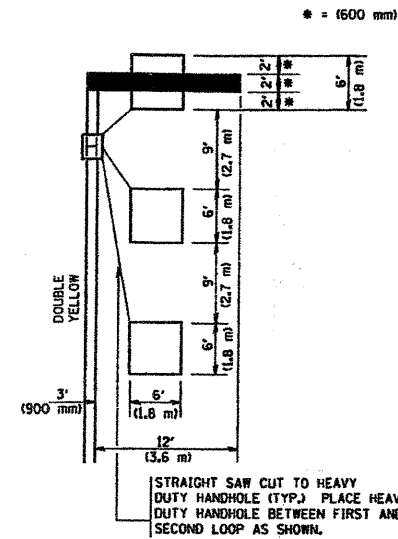
HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.



\*\* UNIT DUCT IS TO BE SHOWN ON PLAN SHEETS BUT SHALL NOT BE INCLUDED IN THE PAY ITEMS.

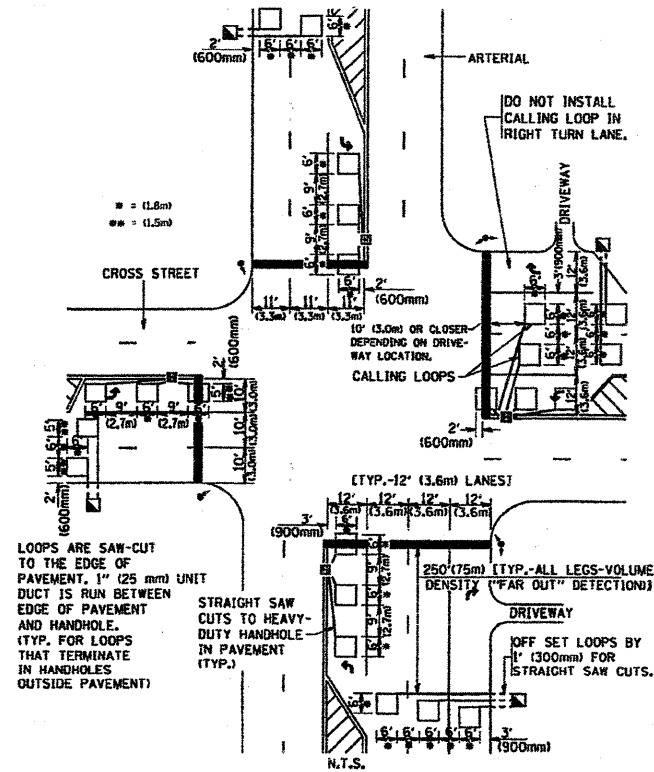
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

**LEFT TURN LANES WITHOUT MEDIANS  
VOLUME DENSITY ("FAR OUT" DETECTION)  
ON SAME APPROACH  
(PROTECTED / PERMITTED LEFT TURN PHASING)**



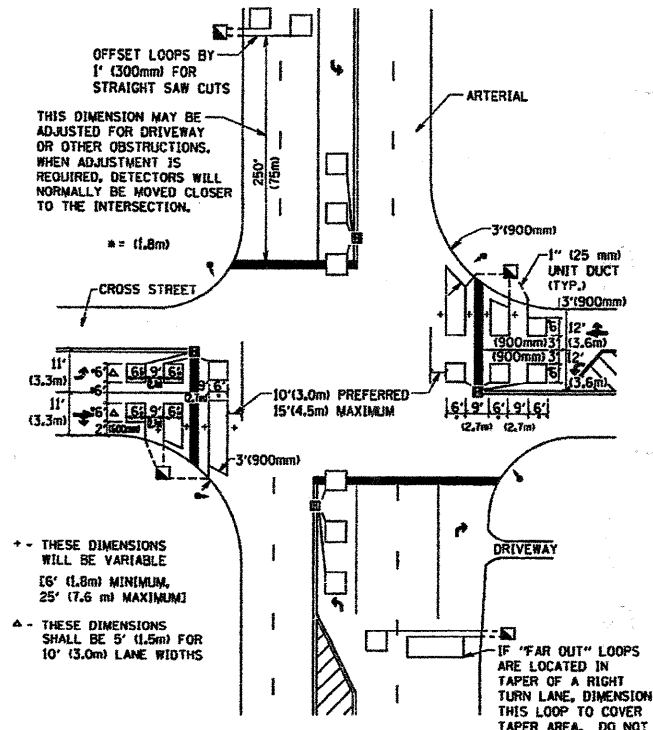
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)  
CROSS STREET-VOLUME DENSITY ("FAR OUT" DETECTION)**



**DETAIL 1  
N.T.S.**

**ARTERIAL-VOLUME DENSITY ("FAR OUT" DETECTION)  
CROSS STREET-NON VOLUME DENSITY ("UPTIGHT" PRESENCE DETECTION)**



**DETAIL 2  
N.T.S.**

**NOTES:**

**VEHICLES LOOP DETECTORS**

- \* ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
- \* EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
- \* EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR SEPARATELY. THIS ITEM IS INCIDENTAL TO THE PAY ITEM FOR DETECTOR LOOPS.
- \* ONE DIMENSION OF ALL DETECTOR LOOPS SHALL BE SIX FEET (1.8 m)
- \* EACH LANE OF NON-LOCKING, PRESENCE DETECTION AND EACH LANE OF A DOUBLE LEFT TURN LANE REQUIRES A SEPARATE INDUCTIVE LOOP DETECTOR AND LEAD IN CABLE.
- \* WHEN NON-LOCKING, PRESENCE DETECTION IS USED, MORE THAN ONE LOOP PER LANE IS REQUIRED BEHIND THE STOP BAR (i.e. 1-1/2, 1-3/4, 2).
- \* WHEN SYSTEM LOOPS ARE REQUIRED ON AN APPROACH OF AN INTERSECTION, THE LOOPS USED FOR VOLUME DENSITY AND INTERSECTION TIMING SHALL ALSO BE USED AS SYSTEM DETECTORS. EACH ONE OF THESE TYPE OF LOOPS REQUIRES A SEPARATE TWO CONDUCTOR NO. 14 TWISTED SHIELDED CABLE AND A SEPARATE INDUCTIVE LOOP DETECTOR WHEN NEW CONTROLLERS ARE UTILIZED. THE DESIGNER SHALL LABEL THESE TYPES OF LOOPS AS "INTERSECTION AND SAMPLING (SYSTEM) DETECTORS" ON THE SIGNAL LAYOUT, THE INTERCONNECT PLAN AND THE SYSTEM CABLE PLAN. WHEN AN EXISTING CONTROLLER IS UTILIZED FOR THIS TYPE OF DETECTION, THE PAY ITEM "INDUCTIVE LOOP DETECTOR WITH SYSTEM OUTPUT" SHOULD BE USED.

**PLACEMENT OF DETECTORS**

THE FOLLOWING FIGURES REPRESENT THE MOST COMMON DETECTOR LOOP LOCATIONS AND SIZES. ADJUSTMENTS WILL BE NECESSARY FOR SPECIFIC GEOMETRIC CONSIDERATIONS.

LOCATIONS AND DEMENSIONS OF DETECTOR LOOPS ARE REQUIRED ON ALL SIGNAL LAYOUT PLAN SHEETS.

"FAR OUT" DETECTION REFERS TO LOCKING, PRESENCE TYPE DETECTION LOCATED IN THRU LANES, RIGHT TURN LANES, AND RIGHT TURN LANE TAPER AREAS (IF APPLICABLE), USUALLY 250' (75 m) IN ADVANCE OF STOP BARS. "UPTIGHT" DETECTION REFERS TO NON-LOCKING PRESENCE TYPE DETECTION LOCATED IN ALL LANES AND 10'-15' (3.0 m-4.5 m) BEHIND THE CROSSING STREET'S EDGE OF PAVEMENT EXTENDED.

**NOTE:**

ALL DETAILS AND NOTES SHOWN ARE FROM THE I.D.O.T. DISTRICT 1 TRAFFIC SIGNAL DESIGN GUIDELINES DATED JANUARY 1995

THIS DRAWING HAS BEEN PREPARED TO ASSIST THE RESIDENT ENGINEER FOR ALL ROADWAY RESURFACING OR S.M.A.R.T. PROJECTS WHERE THE DIMENSIONS ARE NOT SHOWN ON THE PLANS AND THE FINAL LOCATIONS FOR CROSSWALKS OR STOP BARS ARE NOT DETERMINED.

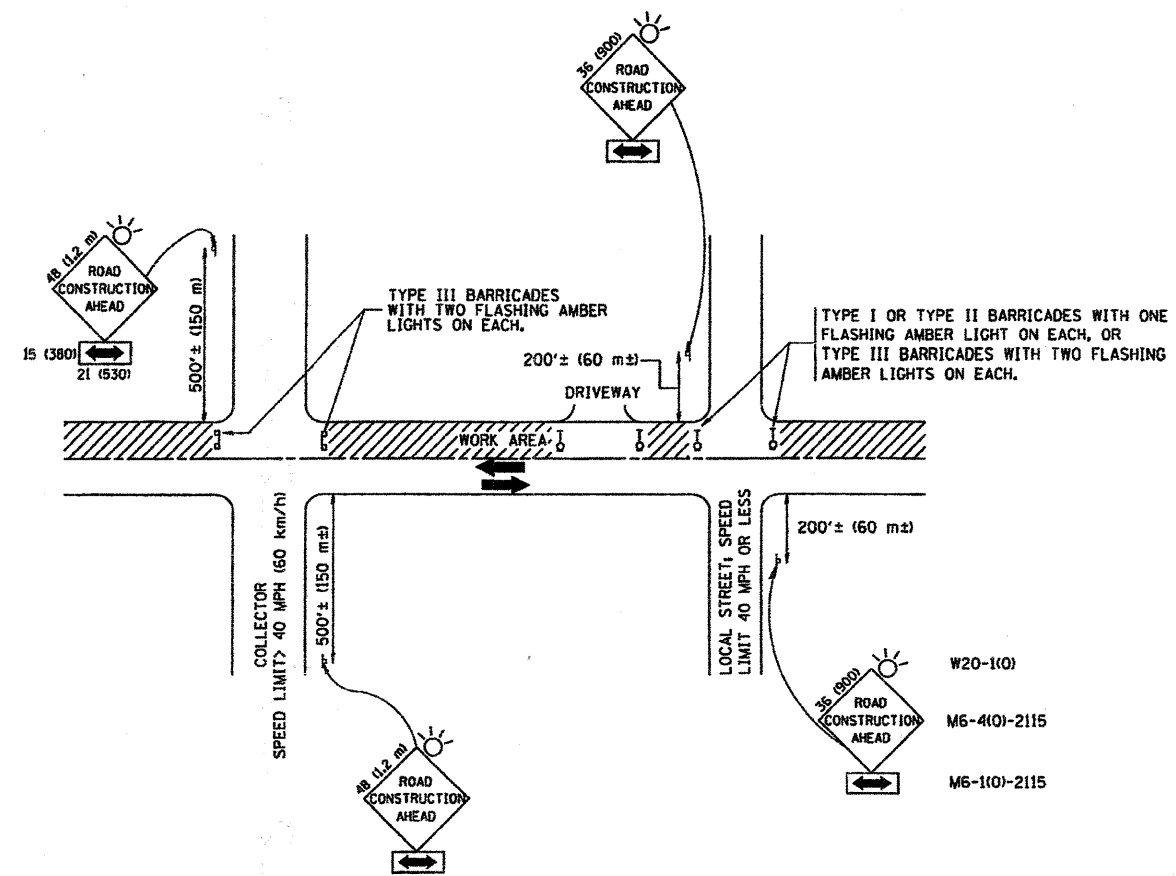
CITY OF GENEVA  
KANE COUNTY, ILLINOIS

DESIGNED - CEO	REVISED -
DRAWN - HL PM	REVISED -
CHECKED - PB	REVISED -
DATE - APRIL 2010	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
ANDERSON BLVD LAPP IMPROVEMENTS

DISTRICT ONE - DETECTION LOOP INSTALLATION	
DETAILS FOR ROADWAY RESURFACING	
JOB NO. C-91-545-10	SCALE: _____
STA. 0+00 TO STA. 34+22	

F.A.U. RTE. 1678	SECTION 10-00111-00-RS	COUNTY KANE	TOTAL SHEETS 22	SHEET NO. 16
FED. ROAD DIST. NO. C-91-545-10		CONTRACT NO. 63478		
ILLINOIS		FED. AID PROJECT ARA-9003(679)		



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

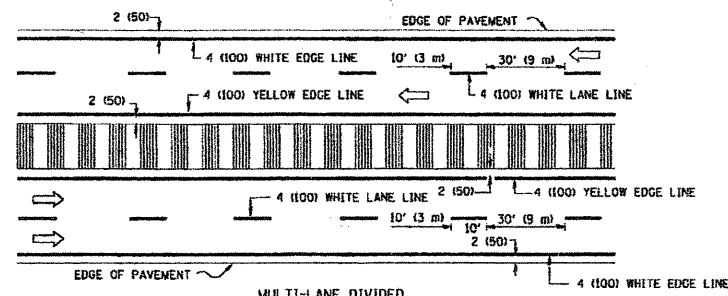
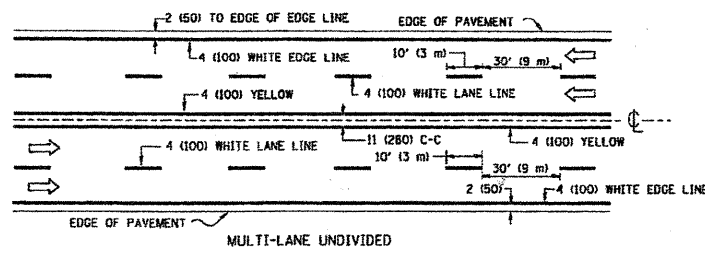
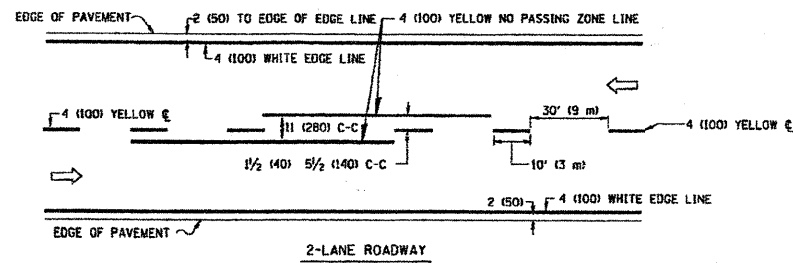
**NOTES:**

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS**
  1. 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:
    - a) 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.
    - b) 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.
  2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
    - a) 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.
    - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
  3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:**

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. T01501, STD. T01606 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.**

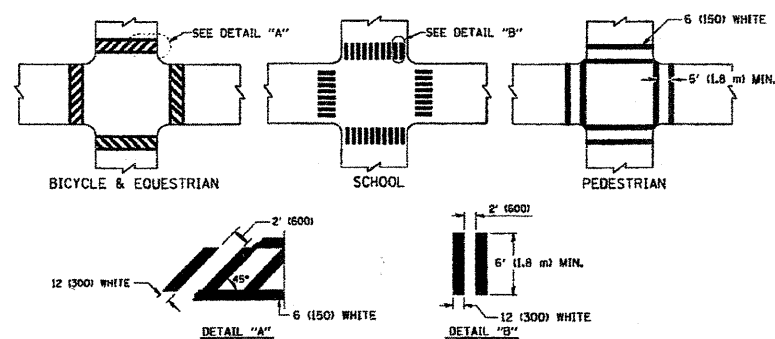
All dimensions are in millimeters (inches) unless otherwise shown.

CITY OF GENEVA KANE COUNTY, ILLINOIS	DESIGNED - CEO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION ANDERSON BLVD LAPP IMPROVEMENTS	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - HL PM	REVISED -		1678	10-00111-00-RS	KANE	22	17		
	CHECKED - PB	REVISED -		JOB NO. C-91-545-10	FED. ROAD DIST. NO. C-91-545-10	CONTRACT NO. 63478				
	DATE - APRIL 2010	REVISED -		SCALE: _____	STA. 0+00 TO STA. 34+22	ILLINOIS	FED. AID PROJECT ARA-9003(679)			

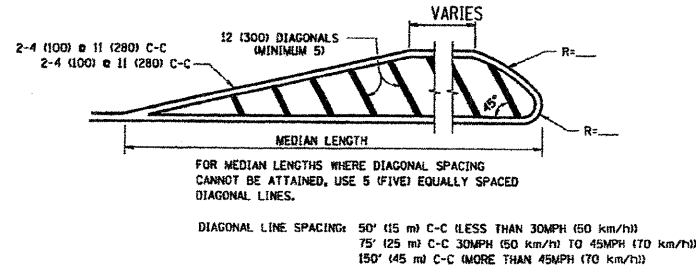
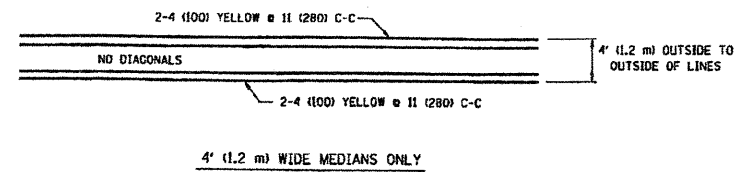


NOTE: MEDIANS WITH BARRIER CURBS DO NOT REQUIRE AN EDGE LINE

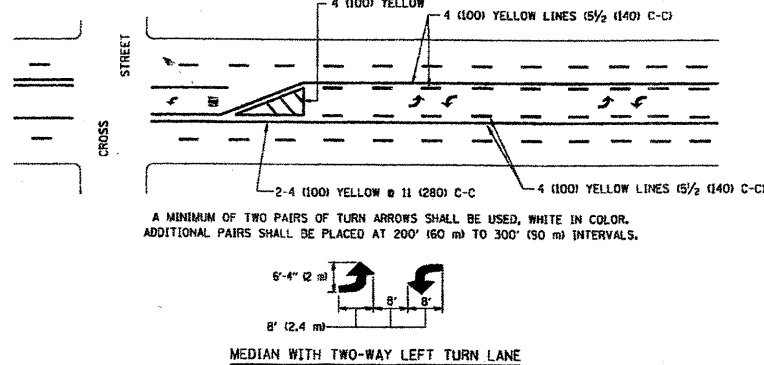
TYPICAL LANE AND EDGE LINE MARKING



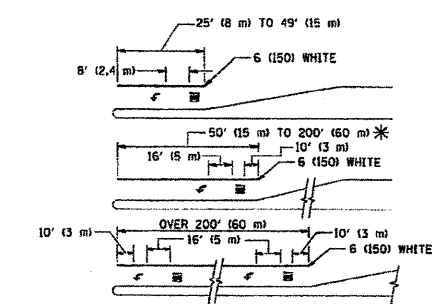
TYPICAL CROSSWALK MARKING



MEDIANS OVER 4' (1.2 m) WIDE

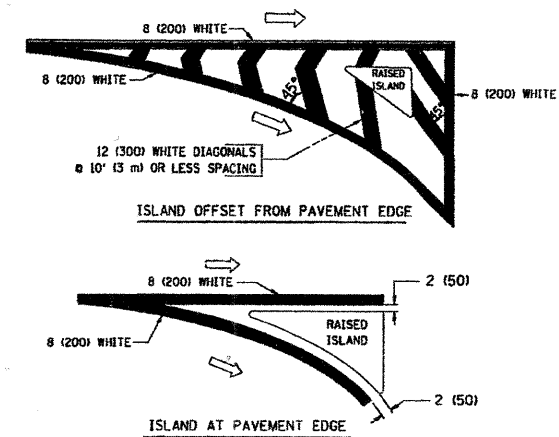


TYPICAL PAINTED MEDIAN MARKING



TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE, FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 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.
CORE 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) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.8 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.

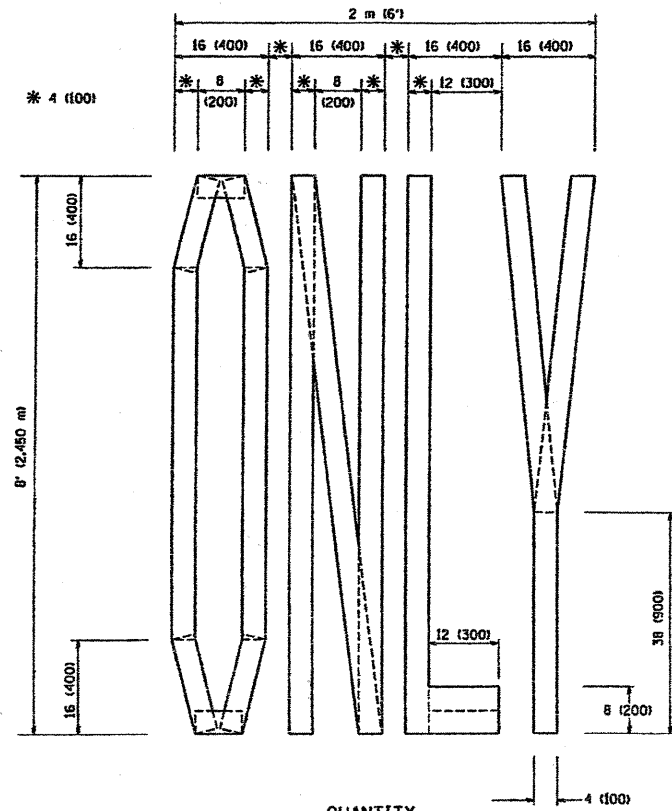
All dimensions are in inches (millimeters) unless otherwise shown.

CITY OF GENEVA  
KANE COUNTY, ILLINOIS

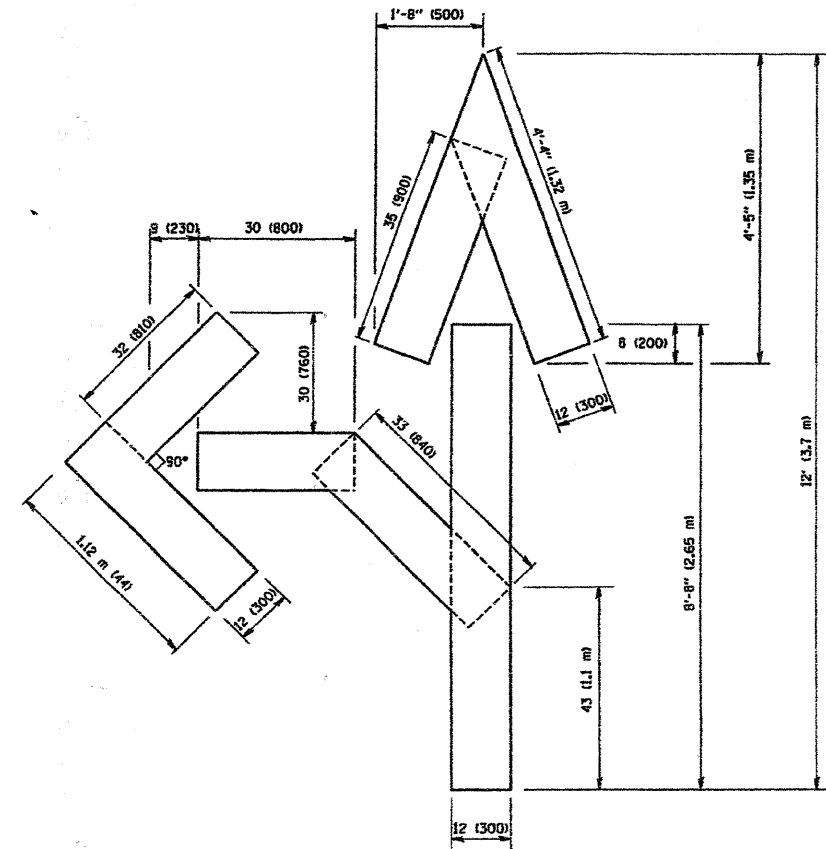
DESIGNED - CEO	REVISED -
DRAWN - HL PM	REVISED -
CHECKED - PB	REVISED -
DATE - APRIL 2010	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
ANDERSON BLVD LAPP IMPROVEMENTS

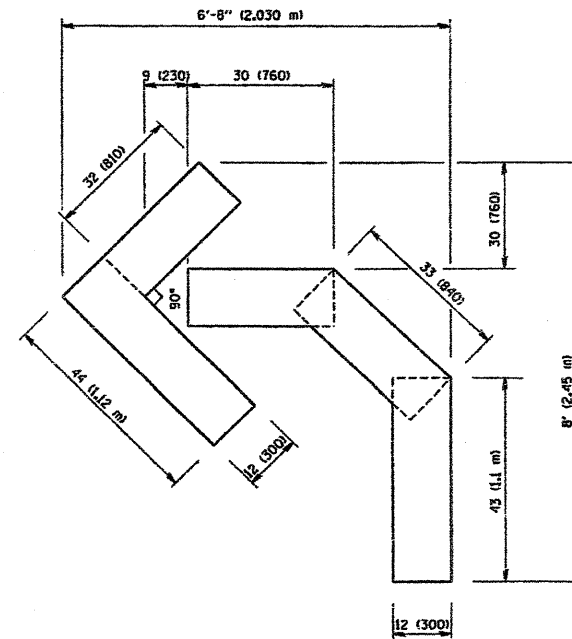
DISTRICT ONE TYPICAL PAVEMENT MARKINGS		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
JOB NO. C-91-545-10		1678	10-00111-00-RS	KANE	22	18
SCALE: _____		FED. ROAD DIST. NO. C-91-545-10		CONTRACT NO. 63478		
STA. 0+00 TO STA. 34+22		ILLINOIS		FED. AID PROJECT ARA-9003(679)		



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



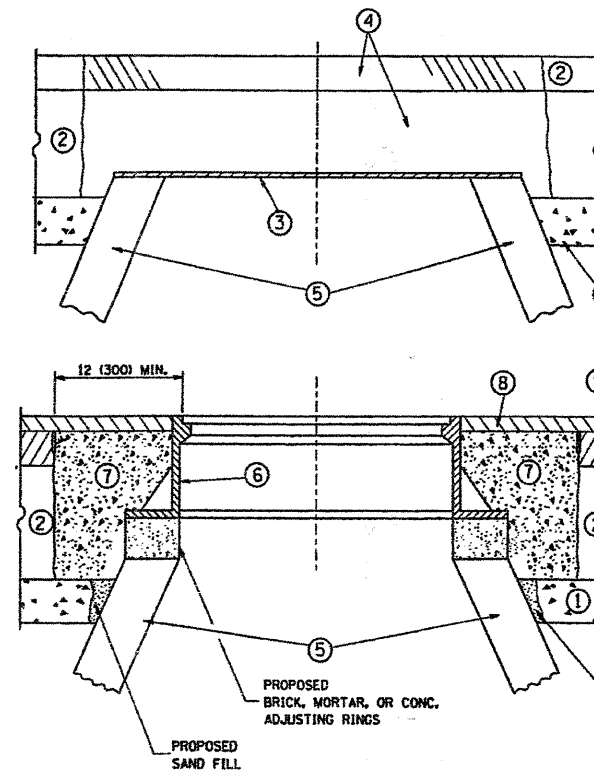
QUANTITY  
4 (100) LINE = 82.5 ft. (25.3 m)  
27.5 sq. ft. (2.53 sq. m)



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.

CITY OF GENEVA KANE COUNTY, ILLINOIS	DESIGNED - CEO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION ANDERSON BLVD LAPP IMPROVEMENTS	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - HL PM	REVISED -		SCALE: _____	JOB NO. C-91-545-10	1678	10-00111-00-RS	KANE	22	19
	CHECKED - PB	REVISED -		STA. 0+00 TO STA. 34+22		FED. ROAD DIST. NO. C-91-545-10	ILLINOIS	FED. AID PROJECT ARA-9003(679)	CONTRACT NO. 63478	
	DATE - APRIL 2010	REVISED -								



**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 S1 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 S1 CONCRETE, HMA SURFACE COURSE OR HMA BINDER COURSE
- ⑧ PROPOSED HMA SURFACE COURSE
- ⑨ PROPOSED HMA BINDER COURSE

**NOTES:**

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

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

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

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

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

**LOCATION OF STRUCTURES:**

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

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

NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

**DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING**

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

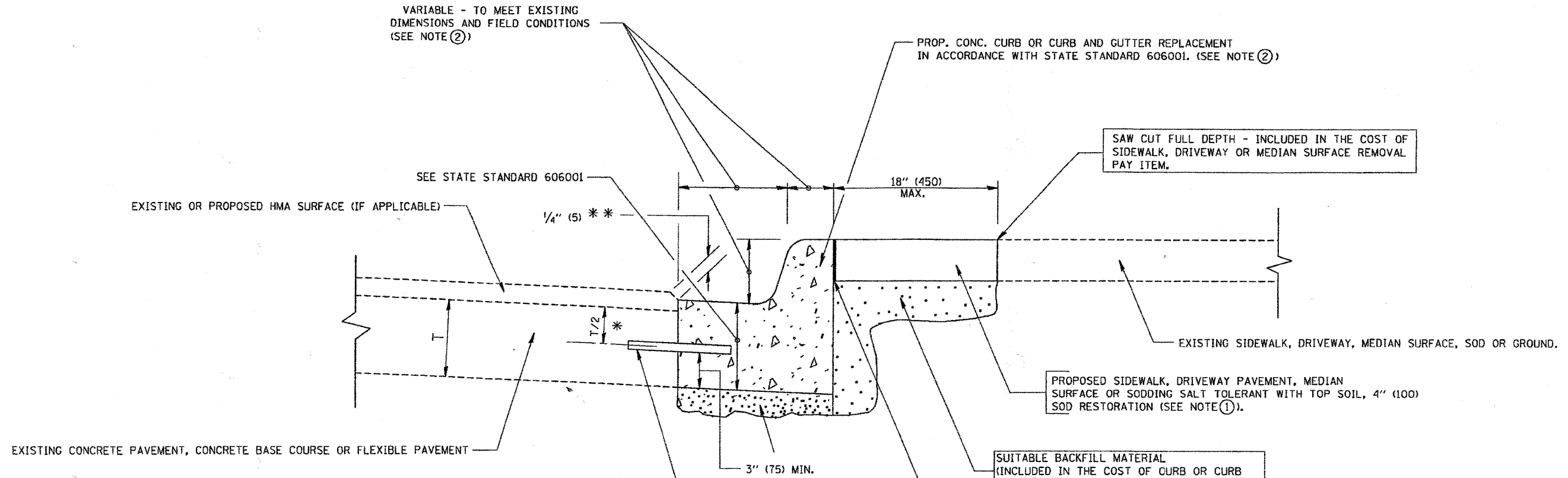
CITY OF GENEVA  
KANE COUNTY, ILLINOIS

DESIGNED - CEO	REVISED -
DRAWN - HL PM	REVISED -
CHECKED - PB	REVISED -
DATE - APRIL 2010	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
ANDERSON BLVD LAPP IMPROVEMENTS

DETAILS FOR FRAMES AND LIDS, ADJUSTMENT WITH MILLING	
SCALE: _____	JOB NO. C-91-545-10
	STA. 0+00 TO STA. 34+22

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1678	10-00111-00-RS	KANE	22	20
FED. ROAD DIST. NO. C-91-545-10		CONTRACT NO. 63478		
ILLINOIS		FED. AID PROJECT ARA-9003(679)		



- \* 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.
- SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY,
- ② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED
  - ③ CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.
  - ④ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.
  - ⑤ 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.
  - ⑥ 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.
  - ⑦ 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.
  - ⑧ 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.

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.

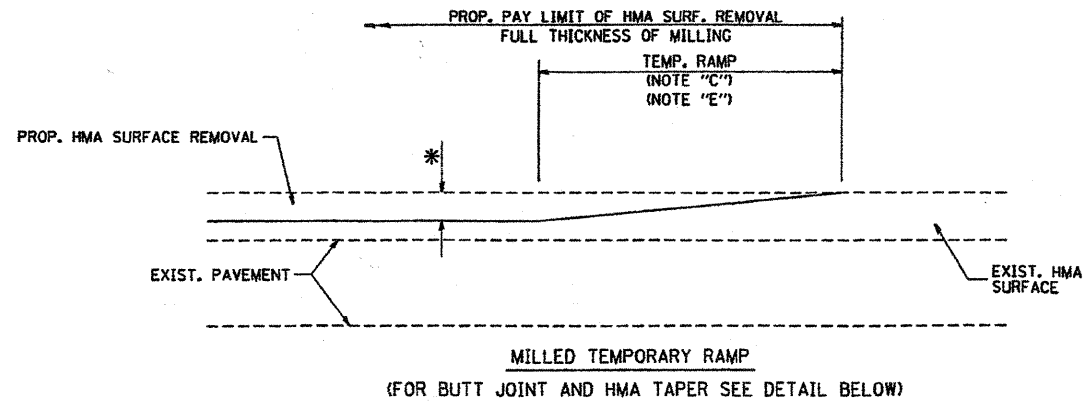
PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USUABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

**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".

## CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

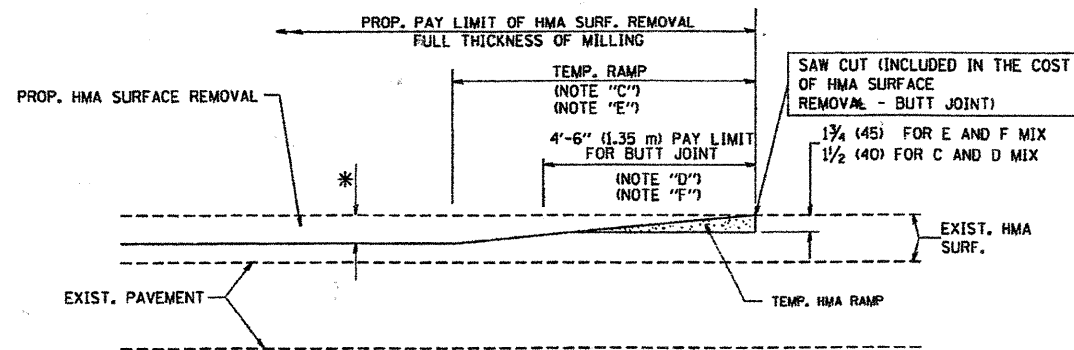
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

CITY OF GENEVA KANE COUNTY, ILLINOIS	DESIGNED - CEO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION ANDERSON BLVD LAPP IMPROVEMENTS	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT		F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN - HL PM	REVISED -		1678	10-00111-00-RS	KANE	22	21		
CHECKED - PB	REVISED -		JOB NO. C-91-545-10	FED. ROAD DIST. NO. C-91-545-10	CONTRACT NO. 63478					
DATE - APRIL 2010	REVISED -		SCALE: _____	STA. 0+00 TO STA. 34+22	ILLINOIS	FED. AID PROJECT ARA-9003(679)				



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

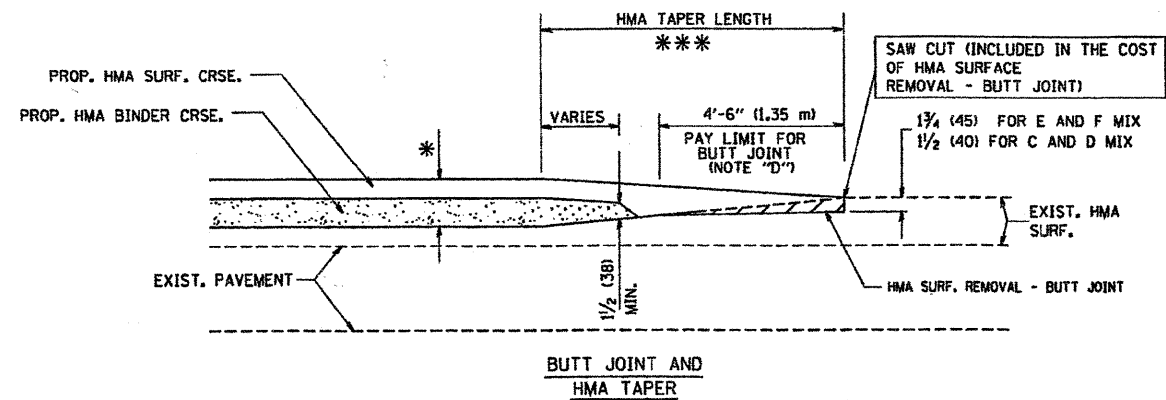
**OPTION 1**



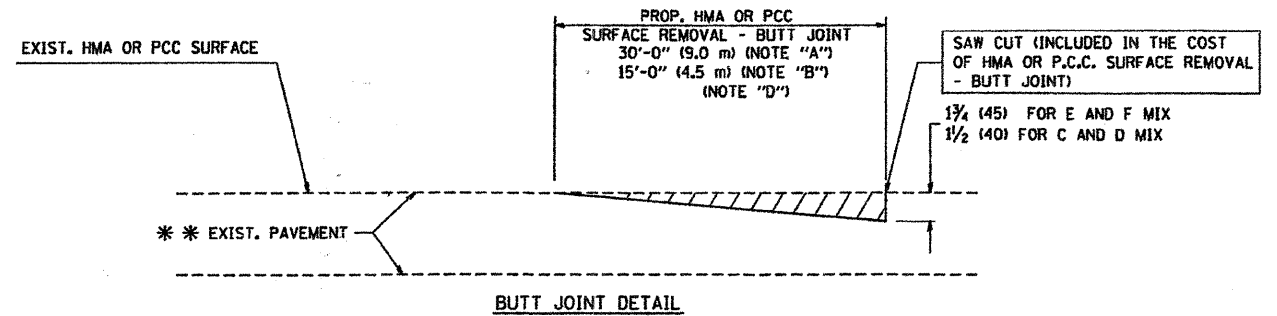
HMA CONSTRUCTED TEMPORARY RAMP  
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

**OPTION 2**

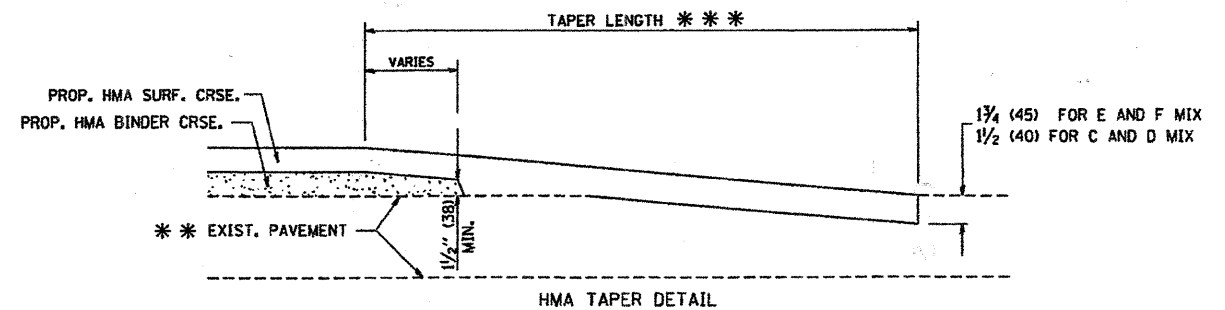
**TYPICAL TEMPORARY RAMP**



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



**BUTT JOINT DETAIL**



**HMA TAPER DETAIL**

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

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

**NOTES**

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
- B: MINOR SIDE ROADS.
- C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
- F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
- G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- \* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- \*\*\* 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")  
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

**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.

CITY OF GENEVA  
KANE COUNTY, ILLINOIS

DESIGNED - CEO	REVISED -
DRAWN - HL PM	REVISED -
CHECKED - PB	REVISED -
DATE - APRIL 2010	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
ANDERSON BLVD LAPP IMPROVEMENTS

BUTT JOINT AND HMA TAPER DETAILS

JOB NO. C-91-545-10	SCALE: _____
STA. 0+00 TO STA. 34+22	

F.A.U. RTE. 1678	SECTION 10-00111-00-RS	COUNTY KANE	TOTAL SHEETS 22	SHEET NO. 22
FED. ROAD DIST. NO. C-91-545-10		CONTRACT NO. 63478		
ILLINOIS		FED. AID PROJECT ARA-9003(679)		