3-5-10 Letting, Item 136

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	(535 B-6R & 536) RS-4	WILL	35	1
FED. ROAD DIST. NO. 1	ILLINOIS	CONTRACT NO. 60H62		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED
HIGHWAY PLANS

F.A.P. 351 (IL 7 /159TH STREET)
SECTION (535 B-6R & 536) RS-4
IL 53 (INDEPENDENCE BOULEVARD) TO I-355 (VETERANS MEMORIAL TOLLWAY) & AT 2.3 MILES EAST OF IL 53
RESURFACING (3P) & DRAINAGE CORRECTION

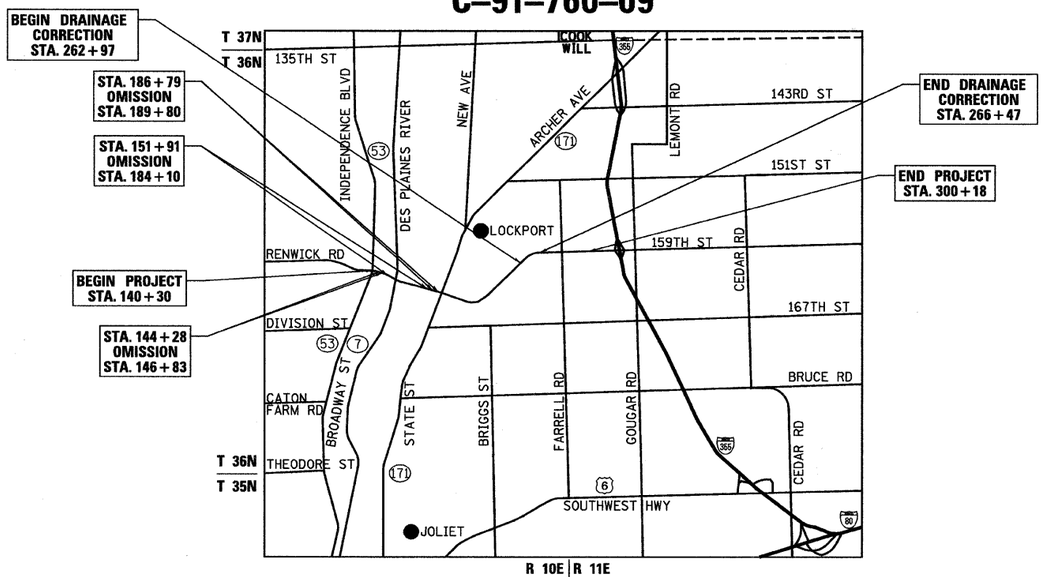
FOR INDEX OF SHEETS, SEE SHEET NO. 2

THESE IMPROVEMENTS ARE LOCATED WITHIN THE CITY OF LOCKPORT

TRAFFIC DATA

2007 ADT – 25,100
POSTED SPEED LIMIT – 35 MPH

WILL COUNTY
C-91-760-09

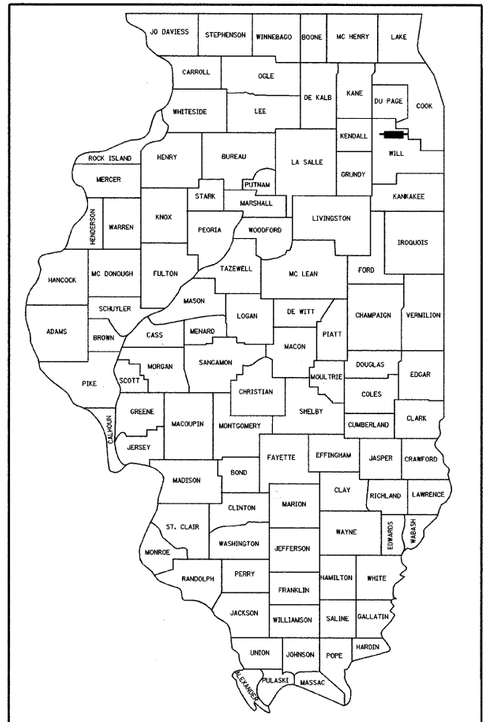


LOCKPORT & HOMER TOWNSHIP

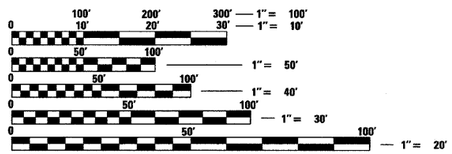
LOCATION MAP
1"=5,000'

GROSS LENGTH OF PROJECT = 15,988 FT = 3.03 MI.
NET LENGTH OF PROJECT = 12,213 FT = 2.31 MI.

D-91-760-09



LOCATION OF SECTION INDICATED THUS: –



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

Ciorba Group, Inc.
DESIGN FIRM
REGISTRATION NUMBER
184-001016
CONSULTING ENGINEERS
SUITE 402, 5507 NORTH CUMBERLAND AVE
CHICAGO, ILLINOIS 60656 :: (773) 775-4009

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED December 8, 2009
Diana M. O'Keefe for
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
January 09 2010
Scott E. Stitt P.E. for
ACTING ENGINEER OF DESIGN AND ENVIRONMENT
January 09 2010
Christine M. Reed for
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

STEPHEN N. SUGG
062-044117
LICENSED PROFESSIONAL ENGINEER
OF
DATE: 12/7/2009
SEAL EXPIRES: 11/30/2011

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

DISTRICT 1 DESIGN PLAN PREPARATION ENGINEER: K. ENG (847)705-4247

CONTRACT NO. 60H62

INDEX OF SHEETS

STATE STANDARDS

000001-05	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
280001-05	TEMPORARY EROSION CONTROL SYSTEMS
442201-03	CLASS C AND D PATCHES
482011-03	HMA SHLD. STRIPS/SHLDS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
542301-02	PRECAST REINFORCED CONCRETE FLARED END SECTION
602001-01	CATCH BASIN TYPE A
602401-02	MANHOLE TYPE A
602601-02	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-03	FRAME AND LIDS, TYPE 1
604091-02	FRAME AND GRATE TYPE 24
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701006-03	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
701301-03	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING DAY OPERATIONS-DAY ONLY
701501-05	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701606-06	URBAN LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-06	URBAN LANE CLOSURE, MULTI LANE INTERSECTION
701801-04	LANE CLOSURE MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901-01	TRAFFIC CONTROL DEVICES
780001-02	TYPICAL PAVEMENT MARKINGS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

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Ciorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402
Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014

USER NAME = wlancaster	DESIGNED - AL	REVISED -	
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PLOT SCALE = 1.0000 ' / IN.	CHECKED - SNS	REVISED -	
PLOT DATE = 12/10/2009	DATE - 12/11/09	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 7 /159TH STREET
IL 53 (INDEPENDENCE BLVD) TO I-355 (VETERANS MEMORIAL TOLLWAY)
INDEX OF SHEETS & STATE STANDARDS

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	(535 B-6R & 536) RS-4	WILL	35	2
		CONTRACT NO. 60H62		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

GENERAL NOTES

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

2. 10 FEET (3 METER) TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURB AND GUTTER AND MEDIANS IN THE FIELD UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.

3. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.

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

5. WHEN ARTIFICIAL LIGHTING IS USED IN NIGHT OPERATIONS THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.

6. THE FOLLOWING RATES OF APPLICATION HAVE BEEN ASSUMED IN CALCULATING PLAN QUANTITIES:

   BITUMINOUS MATERIALS (PRIME COAT) 0.0004 TONS/SQ YD

7. THE ENGINEER SHALL CONTACT THE TRAFFIC CONTROL SUPERVISORS AT (847) 705-4470 A MINIMUM OF 72 HOURS PRIOR TO THE START OF WORK.

8. TWO WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS THE ENGINEER SHALL CONTACT MS. CORA MATHIS, AREA TRAFFIC FIELD ENGINEER, AT (815) 485-6475.

9. WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2" (40 MM) WHERE THE SPEED LIMIT IS 45 MPH (80 KM/H) OR LESS AND 1" (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" (75 MM) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 3:1 (H:V).

10. BUTT JOINTS WILL BE INSTALLED AT THE END OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT). IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.

11. FOR PAVEMENT MARKING, REFER TO DISTRICT ONE TYPICAL MARKINGS FOR DETAILS SHOWN.

12. MATCH EXISTING PAVEMENT MARKINGS AT PROJECT LIMITS AND OMISSIONS.

13. ALL PATCHES OPENED ON A PARTICULAR DAY MUST BE FILLED THAT DAY TO THE TOP OF THE MILLED PAVEMENT SURFACE.

14. IDOT TRAFFIC SIGNAL AND SYSTEM DETECTION LOOPS ARE PRESENT AT IL 53 (INDEPENDENCE BOULEVARD), IL 171 (STATE STREET), HAMILTON STREET, MADISON STREET, 7TH STREET, READ STREET / LOCH LANE AND FARRELL ROAD. THE CONTRACTOR MUST NOTIFY THE IDOT AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER AT (847) 705-4139 AND THE DEPARTMENT'S ELECTRICAL MAINTENANCE CONTRACTOR PRIOR TO BEGINNING WORK, AT WHICH TIME ARRANGEMENTS WILL BE MADE TO ADJUST THE TRAFFIC CONTROLLER TIMING TO COMPENSATE FOR THE ABSENCE OF DETECTION. REPLACEMENT OF LOOPS DOES NOT REQUIRE MAINTENANCE TRANSFER, BUT DOES REQUIRE NOTIFICATION OF WORK AND INSPECTION. COORDINATION WITH THE DISTRICT IS CONSIDERED INCIDENTAL TO THIS CONTRACT.

15. NO OVERNIGHT LANE CLOSURES WILL BE ALLOWED

16. 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 TO THE SATISFACTION OF THE ENGINEER OR OWNER. THIS WORK SHALL BE DONE AT THE CONTRACTOR'S EXPENSE.

17. DURING THE CONSTRUCTION OPERATION WHEN ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DITCHES, GUTTERS, OR DRAINAGE STRUCTURES SO THE NATURAL FLOW OF WATER IS OBSTRUCTED, THE MATERIAL SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS ALL DRAINAGE STRUCTURES SHALL BE FREE FROM ALL DIRT AND DEBRIS. THIS WORK SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT.

18. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS PRIOR TO BIDDING ON THIS PROJECT. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR FAILURE TO VERIFY EXISTING DIMENSIONS OR CONDITIONS.

19. THE CONTRACTOR SHALL LIMIT HIS CONSTRUCTION ACTIVITIES TO THE WORK AREAS DESIGNATED ON THE PLANS. ANY DAMAGE TO AREAS OUTSIDE OF THESE LIMITS SHALL BE REPAIRED BY THE CONTRACTOR AT HIS OWN EXPENSE TO THE SATISFACTION OF THE ENGINEER.

20. FRAME ELEVATIONS ARE GIVEN ONLY TO ASSIST IN DETERMINING THE APPROXIMATE OVERALL HEIGHT AT THE STRUCTURE. FRAMES ON ALL NEW STRUCTURES WILL BE ADJUSTED TO THE FINAL ELEVATION OF THE AREA IN WHICH THEY ARE LOCATED AS PART OF THE STRUCTURE COST.

21. SAW CUTTING OF PAVEMENTS, SHOULDERS, ETC., SHALL BE FULL DEPTH AND SHALL RESULT IN A CLEAN, STRAIGHT EDGE ON THE PORTION REMAINING. ALL SAW CUTTING SHALL BE CONSIDERED INCLUDED IN THE ITEM REMOVED, INCLUDING PAVEMENT REMOVAL.

22. TREES REQUIRING PRUNING FOR SAFETY AND EQUIPMENT CLEARANCE SHALL BE COMPLETED IN ACCORDANCE WITH ARTICLE 201.05(C) OF THE STANDARD SPECIFICATIONS. PRUNING FOR SAFETY AND EQUIPMENT CLEARANCE WILL NOT BE MEASURED FOR PAYMENT.

23. CLEARING SHALL CONSIST OF THE REMOVAL AND DISPOSAL OF ALL VEGETATIVE OBSTRUCTIONS INCLUDING LOGS, SHRUBS, BUSHES, SAPLINGS, GRASS, WEEDS, OTHER VEGETATION AND STUMPS OF A DIAMETER LESS THAN 6 IN. WITHIN THE LIMITS AS INDICATED BY THE PLANS OR AS DIRECTED BY THE ENGINEER. CLEARING WILL NOT BE MEASURED FOR PAYMENT, BUT WILL BE INCLUDED IN THE COST OF STONE RIP RAP, FLARED END SECTIONS AND STORM SEWERS.

24. ALL PROPOSED MANHOLES AND CATCH BASINS SHALL BE FITTED WITH INLET FILTERS AT ALL TIMES DURING CONSTRUCTION. THE INLET FILTERS SHALL BE PAID AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED. ALL FILTERS SHALL BE CLEANED IN ACCORANCE WITH THE SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. INLET FILTER CLEANING SHALL BE PAID FOR PER EACH CLEANING.

25. THE CONTRACTOR AT HIS OWN EXPENSE SHALL BE REQUIRED TO RELOCATE ALL ROAD SIGNS WHICH INTERFERE WITH HIS CONSTRUCTION OPERATIONS AND TO TEMPORARILY RESET SUCH SIGNS DURING HIS CONSTRUCTION OPERATIONS. ALL WORK INVOLVING SIGNS SHALL BE COVERED BY THE FOLLOWING REQUIREMENTS:
   - A. SIGNS SHALL NOT BE REMOVED UNTIL PROGRESS OF WORK NECESSITATES REMOVAL
   - B. EVERY SIGN REMOVED MUST BE RE-ERECTED AT A TEMPORARY LOCATION IN A WORKMANLIKE MANNER VISIBLE TO TRAFFIC ON THE HIGHWAY. ALL SUCH SIGNS MUST BE MAINTAINED STRAIGHT AND NEAT APPEARING FOR THE DURATION OF THE TEMPORARY SETTING.
   - C. ALL SIGNS MUST BE RE-ERECTED IN THEIR PERMANENT LOCATIONS AS DESIGNATED BY THE ENGINEER AS THE ROADWAY IS COMPLETED.
   - D. ALL SIGNS NOT REQUIRED FOR REUSE AFTER CONSTRUCTION IS COMPLETED SHALL REMAIN THE PROPERTY OF THE STATE. THE CONTRACTOR SHALL BE REQUIRED TO STORE THEM AT THE JOB SITE FOR PICKUP BY THE STATE.
   - E. ANY SIGN OR SIGN POST DAMAGED BY THE CONTRACTOR SHALL BE REPLACED AT HIS OWN EXPENSE. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A LIST OF ALL EXISTING DAMAGED SIGNS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION.
   - F. THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER AN INVENTORY OF ALL SIGNS MOVED DURING CONSTRUCTION.

26. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL PAVEMENT OPENINGS, OPEN HOLES, EQUIPMENT AND RUBBLE LEFT IN THE PUBLIC RIGHT-OF-WAY. THE CONTRACTOR SHALL MAINTAIN HIGH VISIBILITY OF ALL TEMPORARY HAZARDS TO PEDESTRIANS AND MOTORISTS. ALL TRENCHES OR PAVEMENT OPENINGS SHALL BE BACKFILLED OR CLOSED AT THE END OF WORK DAY.

27. ALL PIPE SLOPES ARE FROM INSIDE WALL OF STRUCTURE TO INSIDE WALL OF STRUCTURE. THE PIPE WILL NOT BE PAID FOR THROUGH STRUCTURES.

28. THE CONTRACTOR SHALL BE REQUIRED TO MOVE ANY MAILBOXES THAT INTERFERE WITH CONSTRUCTION. UPON COMPLETION OF THE CONSTRUCTION, THE CONTRACTOR SHALL MOVE THESE ITEMS BACK TO THEIR ORIGINAL LOCATION AND TO THEIR ORIGINAL CONDITION. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE CONTRACT.

29. THE CONTRACTOR SHALL BE REQUIRED TO DISPOSE OF ALL PAVEMENT AND OTHER MATERIALS EXCAVATED OR REMOVED DUE TO THE PROPOSED IMPROVEMENTS. ALL EXCESS EXCAVATED MATERIAL SHALL BE REMOVED FROM THE WORK SITE ON THE DAY OF ITS EXCAVATION. NO ADDITIONAL COMPENSATION WILL BE MADE FOR HAULING THESE MATERIALS OUTSIDE THE PROJECT LIMITS.

30. THE CONTRACTOR SHALL USE ALL NECESSARY PRECAUTIONS AND PROTECTIVE MEASURES REQUIRED TO MAINTAIN EXISTING UTILITIES, SEWERS, AND APPURTENANCES THAT MUST BE KEPT IN OPERATION. IN PARTICULAR, THE CONTRACTOR WILL TAKE ADEQUATE MEASURES TO PREVENT THE UNDERMINING OF UTILITIES AND SEWERS WHICH ARE STILL IN SERVICE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT EXCAVATION TRENCHES DURING THE INSTALLATION OF STORM SEWER, WATER MAIN, AND SANITARY SEWER TO INCLUDE ANY SHORING OR DEWATERING EQUIPMENT NECESSARY. THE COST OF THIS WORK SHALL BE CONSIDERED INCLUDED IN THE CONTRACT.

31. OFFSETS AND TOP OF FRAME ELEVATIONS FOR CATCH BASINS AND INLETS WHICH ARE LOCATED IN THE GUTTER ARE GIVEN TO THE FLOWLINE OF GUTTER. OFFSETS AND ELEVATIONS FOR STRUCTURES NOT LOCATED IN THE GUTTER ARE TO THE CENTER OF STRUCTURE.

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Ciorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402
Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014

USER NAME = wlancaster	DESIGNED - AL	REVISED -
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PLOT SCALE = 1.0000 ' / IN.	CHECKED - SNS	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 7 /159TH STREET
IL 53 (INDEPENDENCE BLVD) TO I-355 (VETERANS MEMORIAL TOLLWAY)
GENERAL NOTES

SCALE: - | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	(535 B-6R & 536) RS-4	WILL	35	3
		CONTRACT NO. 60H62		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

	SUMMARY OF QUANTITIES			URBAN 100% STATE TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
	CODE NO.	DESCRIPTION	UNIT		ROADWAY 1000-2A	DRAINAGE 4007
	20101100	TREE TRUNK PROTECTION	EACH	5		5
	20200100	EARTH EXCAVATION	CU YD	5		5
	20201006	GRADING AND SHAPING SHOULDERS	UNIT	54	54	
	20800150	TRENCH BACKFILL	CU YD	313		313
	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	150	150	
	25000300	SEEDING, CLASS 3	ACRE	0.1		0.1
	25100630	EROSION CONTROL BLANKET	SQ YD	108		108
	25200110	SODDING, SALT TOLERANT	SQ YD	150	150	
	25200700	SODDING, SPECIAL	SQ YD	40		40
	28000400	PERIMETER EROSION BARRIER	FOOT	19,000		19,000
	28000510	INLET FILTERS	EACH	4		4
	28100105	STONE RIPRAP, CLASS A3	SQ YD	4		4
	28200200	FILTER FABRIC	SQ YD	4		4
	35300500	PORTLAND CEMENT CONCRETE BASE COURSE 10"	SQ YD	77		77
	35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	195	33	162
	40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	143	35	108
	40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	56.1	56	0.1
	40600300	AGGREGATE (PRIME COAT)	TON	278	278	
	40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	104	104	
	40600535	LEVELING BINDER (HAND METHOD), N70	TON	25	25	
	40600895	CONSTRUCTING TEST STRIP	EACH	2	2	
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1,198	1,198	
	40601005	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES	TON	240	240	
	40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	15		15
	40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	23	4	19
	40603595	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90	TON	6,792	6,780	12
	42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	17	17	
	42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SQ FT	500	500	
	44000100	PAVEMENT REMOVAL	SQ YD	77		77
	44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	69,160	69,160	
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	212	50	162
	44000600	SIDEWALK REMOVAL	SQ FT	500	500	
	44001700	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	900	900	
	44002212	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 3"	SQ YD	1,450	1,450	
	44201765	CLASS D PATCHES, TYPE II, 10 INCH	SQ YD	680	680	
	44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	450	450	
	44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	100	100	
	48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	165	165	
	54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	1		1
	550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	340		340
	55039700	STORM SEWERS TO BE CLEANED	FOOT	2,500	2,500	

• DENOTES SPECIALTY ITEM

	SUMMARY OF QUANTITIES			URBAN 100% STATE TOTAL QUANTITY	CONSTRUCTION TYPE CODE	
	CODE NO.	DESCRIPTION	UNIT		ROADWAY 1000-2A	DRAINAGE 4007
	60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	3		3
	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1		1
	60219540	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	1		1
	60262700	INLETS TO BE RECONSTRUCTED	EACH	1	1	
	60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	10	10	
	60300310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	65	65	
	60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	5	5	
	60406100	FRAMES AND LIDS, TYPE 1, CLOSED LID	EACH	5	5	
	60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	227		227
	63000005	STEEL PLATE BEAM GUARD RAIL, TYPE B	FOOT	25		25
	63200310	GUARDRAIL REMOVAL	FOOT	25		25
	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6	
	67100100	MOBILIZATION	L SUM	1	1	
	70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1	
	70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1	
	70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1	
	70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1	
	70300100	SHORT-TERM PAVEMENT MARKING	FOOT	7,330	7,330	
	70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	3,900	3,900	
	70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	78,230	78,230	
	70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	21,270	21,270	
	70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	1,020	1,020	
	70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	7,110	7,110	
	70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	2,850	2,850	
	70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	18,100	18,100	
•	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1,300	1,300	
•	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	44,000	44,000	
•	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	7,090	7,090	
•	78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	340	340	
•	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	2,370	2,370	
•	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	950	950	
•	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	820	820	
	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	780	780	
•	88600600	DETECTOR LOOP REPLACEMENT	FOOT	4,050	4,050	
	X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	103	103	
	40600825	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	2,730	2,730	
	XX005656	INLET FILTER CLEANING	EACH	4		4
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
	Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	105	105	
	Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1	

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Ciorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402
Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014

USER NAME = alau	DESIGNED - AL	REVISED -
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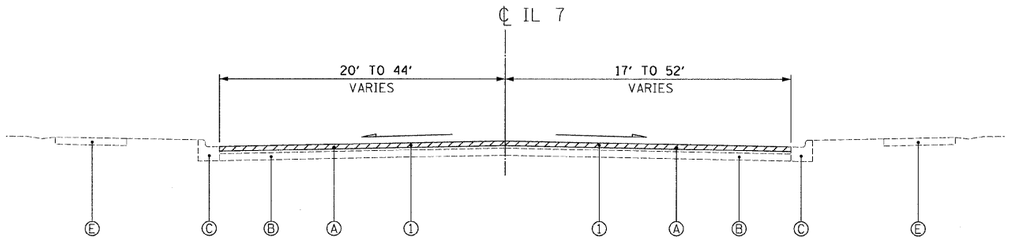
PLOT DATE = 12/15/2009	DATE - 12/11/09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

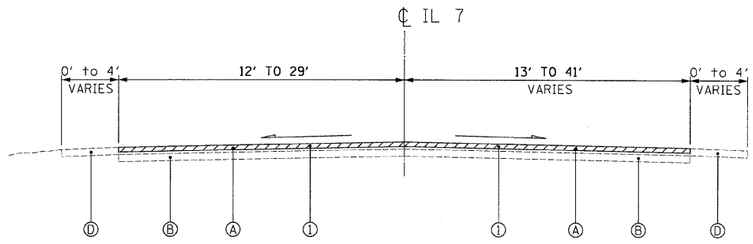
IL 7 /159TH STREET
IL 53 (INDEPENDENCE BLVD) TO I-355 (VETERANS MEMORIAL TOLLWAY)
SUMMARY OF QUANTITIES

SCALE: | SHEET NO. OF SHEETS | STA. | TO STA.

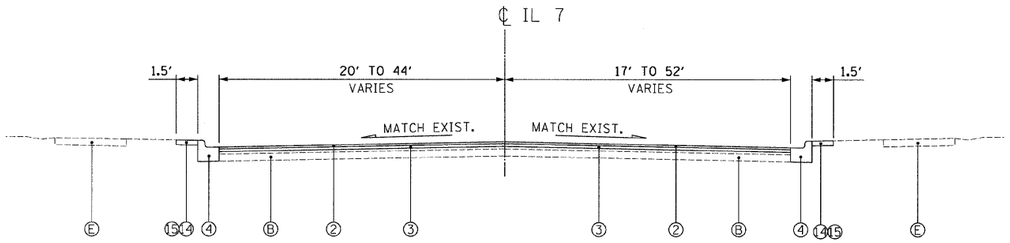
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	(535 B-6R & 536) RS-4	WILL	35	4
		CONTRACT NO. 60H62		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



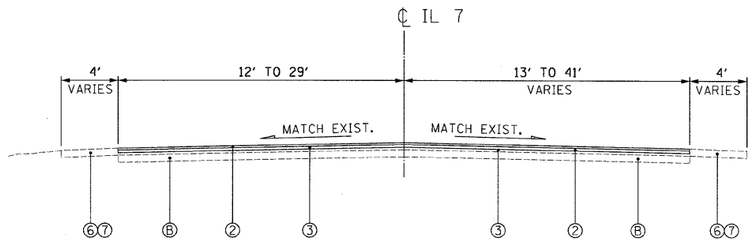
EXISTING TYPICAL SECTION
STA. 140+30 TO STA. 144+28
STA. 189+80 TO STA. 214+40
STA. 226+30 TO STA. 238+29
STA. 246+46 TO STA. 262+52
STA. 288+30 TO STA. 300+18



EXISTING TYPICAL SECTION
STA. 146+83 TO STA. 151+91
STA. 184+10 TO STA. 186+79
STA. 214+40 TO STA. 226+30
STA. 238+29 TO STA. 246+46
STA. 262+52 TO STA. 288+30



PROPOSED TYPICAL SECTION
STA. 140+30 TO STA. 144+28
STA. 189+80 TO STA. 214+40
STA. 226+30 TO STA. 238+29
STA. 246+46 TO STA. 262+52
STA. 288+30 TO STA. 300+18



PROPOSED TYPICAL SECTION
STA. 146+83 TO STA. 151+91
STA. 184+10 TO STA. 186+79
STA. 214+40 TO STA. 226+30
STA. 238+29 TO STA. 246+46
STA. 262+52 TO STA. 288+30

EXISTING CONDITIONS:

- (A) HOT-MIX ASPHALT SURFACE AND BINDER COURSE, 3" AND VARIES
- (B) PCC BASE COURSE, 10" +/-
- (C) COMBINATION CONCRETE CURB AND GUTTER
- (D) AGGREGATE SHOULDER 6" AND VARIES
- (E) PCC SIDEWALK
- (F) PRIVATE DRIVEWAYS

PROPOSED IMPROVEMENTS:

1. (1) HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
2. (2) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1 3/4"
3. (3) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
4. (4) COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT (AS DIRECTED BY ENGINEER)
5. (5) CLASS D PATCHES, 10" (DETERMINED BY ENGINEER IN FIELD)
6. (6) AGGREGATE WEDGE SHOULDER, TYPE B
7. (7) GRADING AND SHAPING SHOULDERS
8. (8) PAVEMENT REMOVAL
9. (9) PORTLAND CEMENT CONCRETE BASE COURSE, 10"
10. (10) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 2-1/4"
11. (11) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24, DEPRESSED CURB (TYPICAL)
12. (12) HOT-MIX ASPHALT BASE COURSE, 6" (AT DRIVEWAYS ONLY)
13. (13) HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 2" (AT DRIVEWAYS ONLY)
14. (14) TOPSOIL FURNISH AND PLACE, 4"
15. (15) SODDING, SALT TOLERANT

A QUANTITY FOR LEVELING BINDER (HAND METHOD) HAS BEEN PROVIDED FOR USE AT PRIVATE ENTRANCES, AROUND HAND HOLES, PRIVATE UTILITY STRUCTURE FRAMES, AND ANY OTHER STRUCTURE FRAMES THAT ARE NOT ABLE TO BE LOWERED UNDER THE ITEM "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)" AFTER GRINDING OF EXISTING PAVEMENT.

[1] QUANTITIES FOR EARTH EXCAVATION AND AGGREGATE BASE REPAIR HAVE BEEN INCLUDED FOR SUBGRADE FAILURES BELOW THE CLASS D PATCHES

HOT-MIX ASPHALT MIXTURE REQUIREMENTS CHART

OPERATIONS	MIXTURE TYPE	AIR VOIDS @ Ndes
ROADWAY RESURFACING	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL-9.5MM)	4% @ 90 GYR
	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	4% @ 50 GYR
ROADWAY RECONSTRUCTION	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 (IL-9.5MM)	4% @ 90 GYR
	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19, N90	4% @ 90 GYR
MAINTENANCE OF TRAFFIC	LEVELING BINDER (HAND METHOD), N70 (IL-9.5MM)	4% @ 70 GYR
PAVEMENT PATCHING	CLASS D PATCHES, 10" (HMA BINDER IL-19 MM)	4% @ 70 GYR
	HOT-MIX ASPHALT REPLACEMENT OVER PATCHES (HMA BINDER IL-19 MM)	4% @ 70 GYR
DRIVES BEHIND CURB	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 (IL-9.5MM) 2" THICKNESS	4% @ 50 GYR
	HOT-MIX ASPHALT BASE COURSE, 8" (HMA BINDER IL-19 MM)	4% @ 50 GYR

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

CONTRACTOR SHALL PATCH BEFORE MILLING

FOR "AC TYPE" AND "PERCENT RAP" SEE DISTRICT ONE SPECIAL PROVISIONS

Ciorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402
Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014

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PLOT SCALE = 5.0000 ' / IN.	CHECKED - SNS	REVISED -	
PLOT DATE = 12/15/2009	DATE - 12/11/09	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 7 /159TH STREET
IL 53 (INDEPENDENCE BLVD) TO I-355 (VETERANS MEMORIAL TOLLWAY)
TYPICAL SECTIONS

SCALE: | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	(535 B-6R & 536) RS-4	WILL	35	5
		CONTRACT NO. 60H62		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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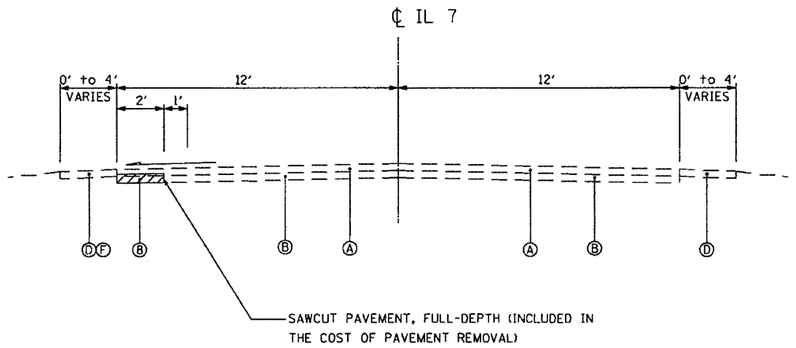
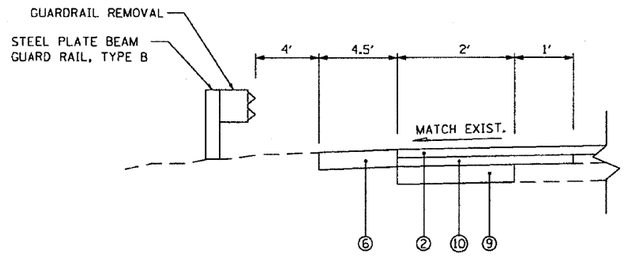
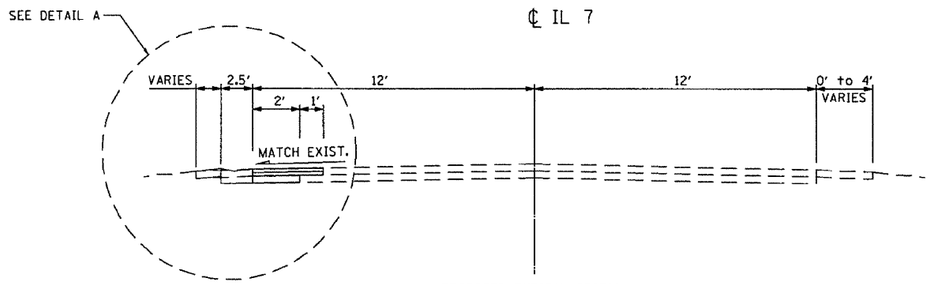
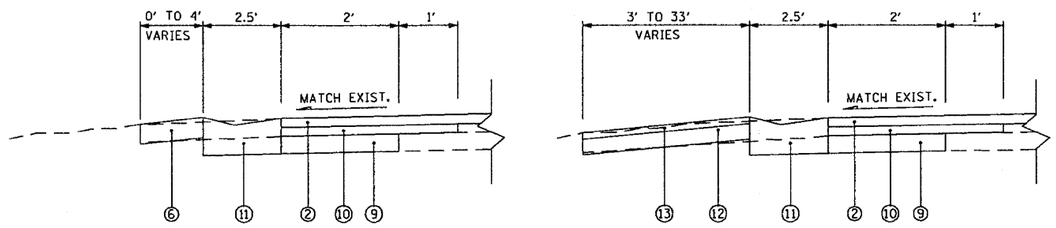


EXISTING TYPICAL SECTION
STA. 263+02 TO STA. 266+47





PROPOSED TYPICAL SECTION
STA. 263+02 TO STA. 266+47



DETAIL A

EXISTING CONDITIONS:

- Ⓐ HOT-MIX ASPHALT SURFACE AND BINDER COURSE, 3" AND VARIES
- Ⓑ PCC BASE COURSE, 10" +/-
- Ⓒ COMBINATION CONCRETE CURB AND GUTTER
- Ⓓ AGGREGATE SHOULDER 6" AND VARIES
- Ⓔ PCC SIDEWALK
- Ⓕ PRIVATE DRIVEWAYS

PROPOSED IMPROVEMENTS:

- ① HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"
- ② POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, 1 3/4"
- ③ POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- ④ COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT (AS DIRECTED BY ENGINEER)
- ⑤ CLASS D PATCHES, 10" (DETERMINED BY ENGINEER IN FIELD)
- ⑥ AGGREGATE WEDGE SHOULDER, TYPE B
- ⑦ GRADING AND SHAPING SHOULDERS
- ⑧ PAVEMENT REMOVAL
- ⑨ PORTLAND CEMENT CONCRETE BASE COURSE, 10"
- ⑩ POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90, 2-1/4"
- ⑪ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24, DEPRESSED CURB (TYPICAL)
- ⑫ HOT-MIX ASPHALT BASE COURSE, 6" (AT DRIVEWAYS ONLY)
- ⑬ HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, 2" (AT DRIVEWAYS ONLY)

A QUANTITY FOR LEVELING BINDER (HAND METHOD) HAS BEEN PROVIDED FOR USE AT PRIVATE ENTRANCES, AROUND HAND HOLES, PRIVATE UTILITY STRUCTURE FRAMES, AND ANY OTHER STRUCTURE FRAMES THAT ARE NOT ABLE TO BE LOWERED UNDER THE ITEM "FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)" AFTER GRINDING OF EXISTING PAVEMENT.

' QUANTITIES FOR EARTH EXCAVATION AND AGGREGATE BASE REPAIR HAVE BEEN INCLUDED FOR SUBGRADE FAILURES BELOW THE CLASS D PATCHES

Ciorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402
Chicago, Illinois 60656
Tel. 773.775.4008 Fax 773.775.4014

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PLOT DATE = 12/3/2009	DATE - 12/11/09	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 7 /159TH STREET
IL 53 (INDEPENDENCE BLVD) TO I-355 (VETRANS MEMORIAL TOLLWAY)
TYPICAL SECTIONS

SCALE: N.T.S. | SHEET NO. 6 OF 35 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	(535 B-6R & 536) RS-4	WILL	35	6
		CONTRACT NO. 60H62		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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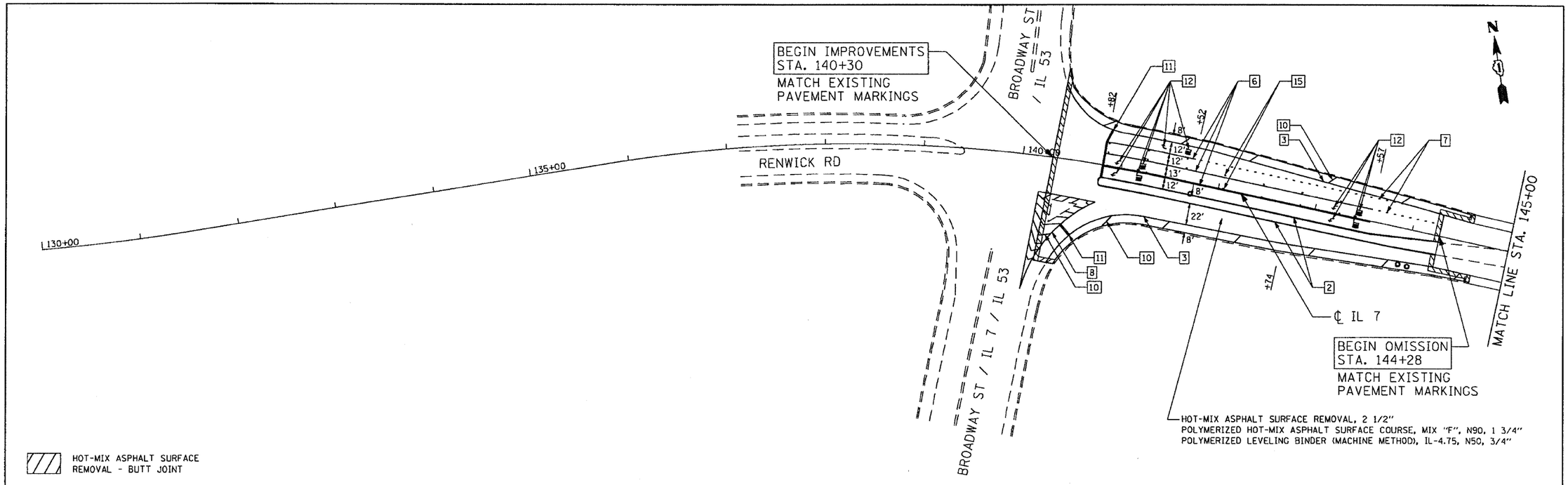
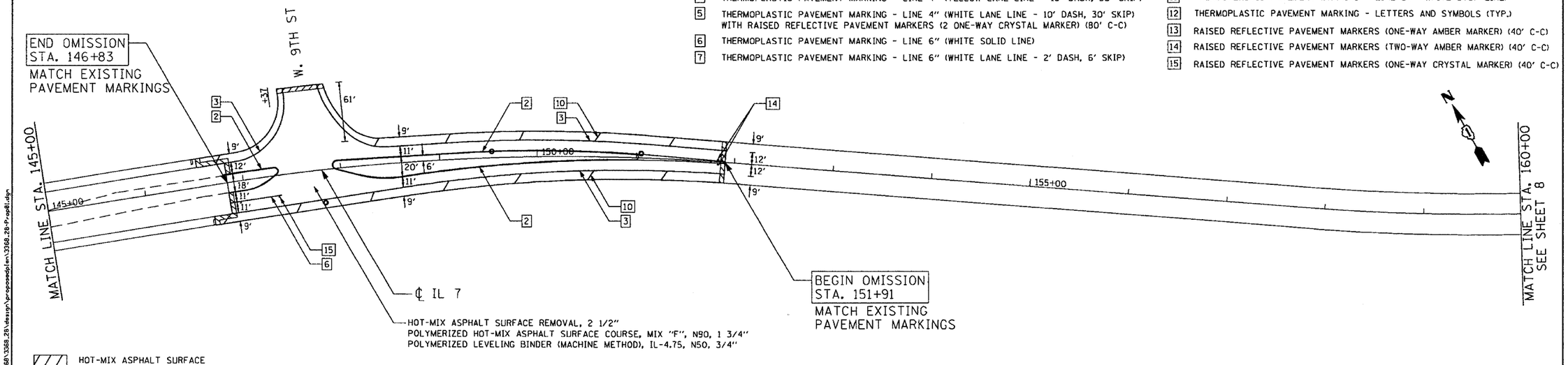


LEGEND:

1. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE 11" C-C)
2. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)
3. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE EDGE LINE)
4. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW LANE LINE - 10' DASH, 30' SKIP)
5. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP) WITH RAISED REFLECTIVE PAVEMENT MARKERS (2 ONE-WAY CRYSTAL MARKER) (80' C-C)
6. THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE)
7. THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)
8. THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID LINE)
9. THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE)
10. THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE SOLID LINE)
11. THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINE)
12. THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (TYP.)
13. RAISED REFLECTIVE PAVEMENT MARKERS (ONE-WAY AMBER MARKER) (40' C-C)
14. RAISED REFLECTIVE PAVEMENT MARKERS (TWO-WAY AMBER MARKER) (40' C-C)
15. RAISED REFLECTIVE PAVEMENT MARKERS (ONE-WAY CRYSTAL MARKER) (40' C-C)



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Chicago, Illinois 60656
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PLOT DATE = 12/3/2009	DATE - 12/11/09	REVISED -	

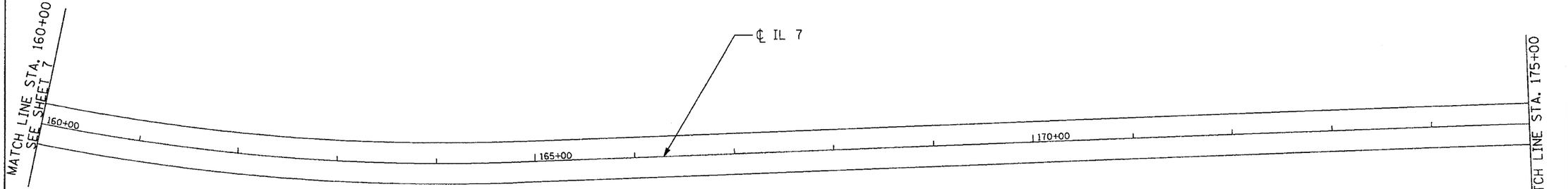
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 7 /159TH STREET
IL 53 (INDEPENDENCE BLVD) TO I-355 (VETRANS MEMORIAL TOLLWAY)
PROPOSED ROADWAY AND PAVEMENT MARKING PLAN

SCALE: 1"=50' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	(535 B-6R & 536) RS-4	WILL	35	7
		CONTRACT NO. 60H62		

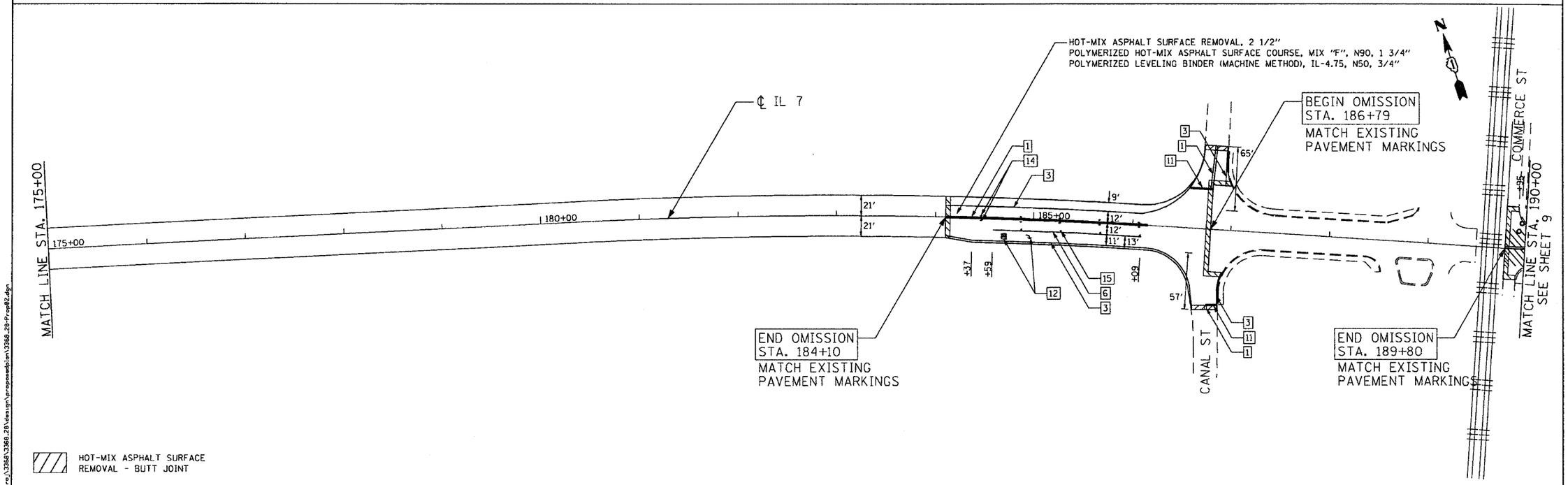
FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT



HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

LEGEND:

1. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE 11" C-C)
2. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)
3. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE EDGE LINE)
4. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW LANE LINE - 10' DASH, 30' SKIP)
5. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP) WITH RAISED REFLECTIVE PAVEMENT MARKERS (2 ONE-WAY CRYSTAL MARKER) (80' C-C)
6. THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE)
7. THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)
8. THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID LINE)
9. THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE)
10. THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE SOLID LINE)
11. THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINE)
12. THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (TYP.)
13. RAISED REFLECTIVE PAVEMENT MARKERS (ONE-WAY AMBER MARKER) (40' C-C)
14. RAISED REFLECTIVE PAVEMENT MARKERS (TWO-WAY AMBER MARKER) (40' C-C)
15. RAISED REFLECTIVE PAVEMENT MARKERS (ONE-WAY CRYSTAL MARKER) (40' C-C)



HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

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CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402
Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014

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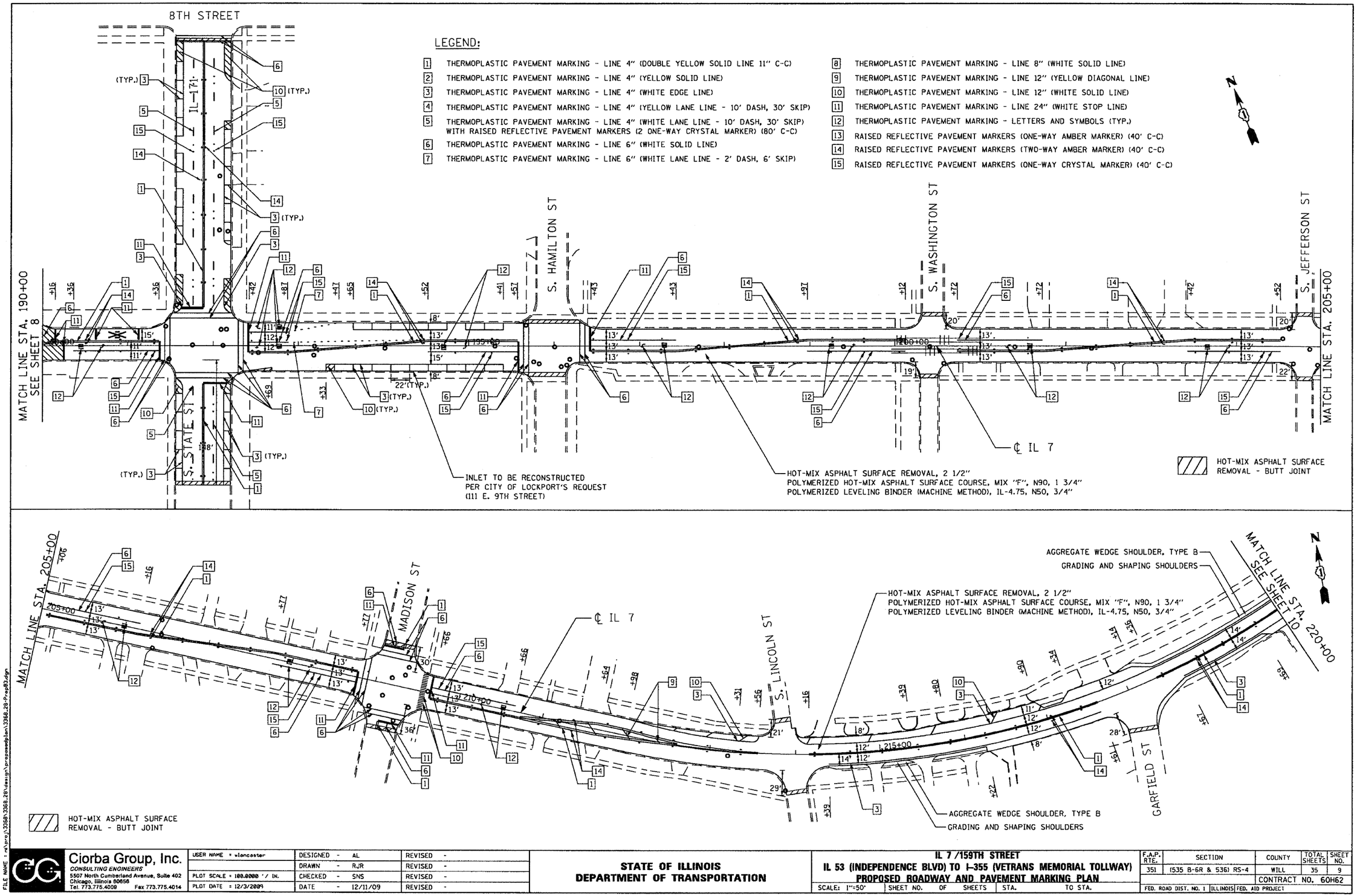
PLOT DATE = 12/3/2009	DATE - 12/11/09	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 7 /159TH STREET
IL 53 (INDEPENDENCE BLVD) TO I-355 (VETRANS MEMORIAL TOLLWAY)
PROPOSED ROADWAY AND PAVEMENT MARKING PLAN

SCALE: 1"=50' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	(535 B-6R & 536) RS-4	WILL	35	8
		CONTRACT NO. 60H62		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



LEGEND:

1. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE 11" C-C)
2. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)
3. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE EDGE LINE)
4. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW LANE LINE - 10' DASH, 30' SKIP)
5. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP) WITH RAISED REFLECTIVE PAVEMENT MARKERS (2 ONE-WAY CRYSTAL MARKER) (80' C-C)
6. THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE)
7. THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)
8. THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID LINE)
9. THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE)
10. THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE SOLID LINE)
11. THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINE)
12. THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (TYP.)
13. RAISED REFLECTIVE PAVEMENT MARKERS (ONE-WAY AMBER MARKER) (40' C-C)
14. RAISED REFLECTIVE PAVEMENT MARKERS (TWO-WAY AMBER MARKER) (40' C-C)
15. RAISED REFLECTIVE PAVEMENT MARKERS (ONE-WAY CRYSTAL MARKER) (40' C-C)

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PLOT DATE = 12/3/2009	DATE - 12/11/09	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 7 /159TH STREET
IL 53 (INDEPENDENCE BLVD) TO I-355 (VETRANS MEMORIAL TOLLWAY)
PROPOSED ROADWAY AND PAVEMENT MARKING PLAN

SCALE: 1"=50' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	(535 B-6R & 536) RS-4	WILL	35	9
		CONTRACT NO. 60H62		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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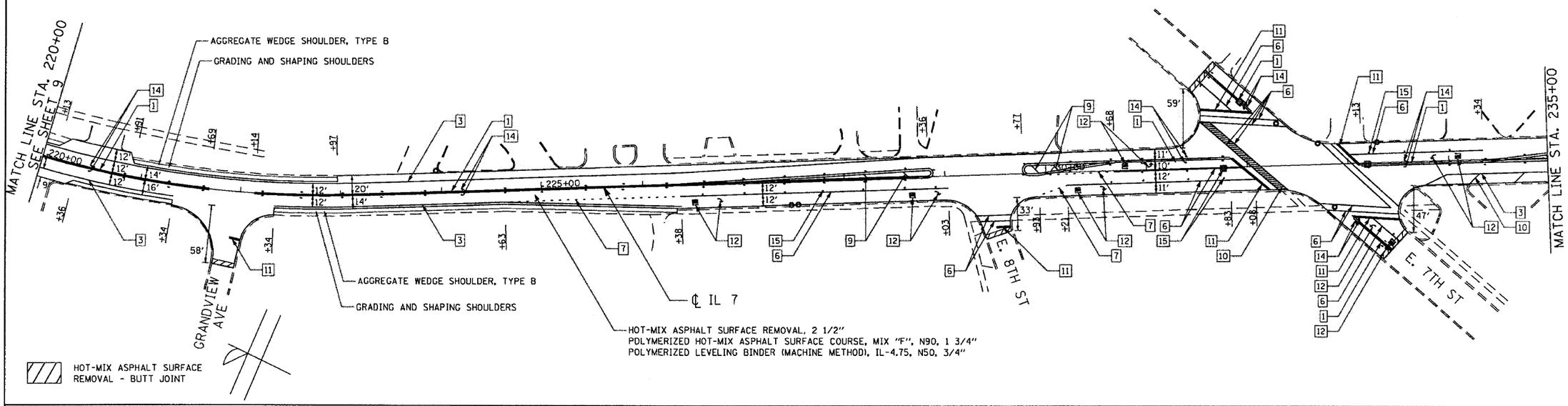

LEGEND:

1. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE 11" C-C)
2. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)
3. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE EDGE LINE)
4. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW LANE LINE - 10' DASH, 30' SKIP)
5. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP) WITH RAISED REFLECTIVE PAVEMENT MARKERS (2 ONE-WAY CRYSTAL MARKER) (80' C-C)
6. THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE)
7. THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)
8. THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID LINE)
9. THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE)
10. THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE SOLID LINE)
11. THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINE)
12. THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (TYP.)
13. RAISED REFLECTIVE PAVEMENT MARKERS (ONE-WAY AMBER MARKER) (40' C-C)
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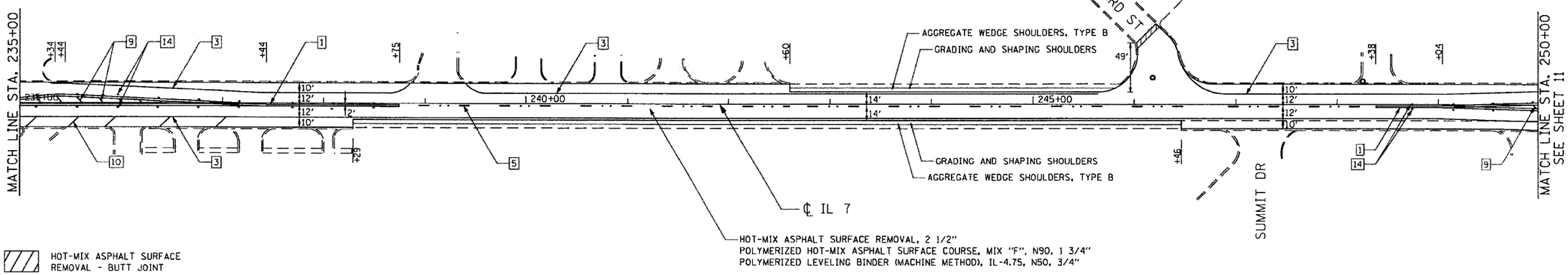

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PLOT SCALE = 100.0000 ' / IN.	CHECKED - SNS	REVISED -
PLOT DATE = 12/3/2009	DATE - 12/11/09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 7 /159TH STREET
IL 53 (INDEPENDENCE BLVD) TO I-355 (VETRANS MEMORIAL TOLLWAY)
PROPOSED ROADWAY AND PAVEMENT MARKING PLAN
SCALE: 1"=50' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	(535 B-6R & 536) RS-4	WILL	35	10
		CONTRACT NO. 60H62		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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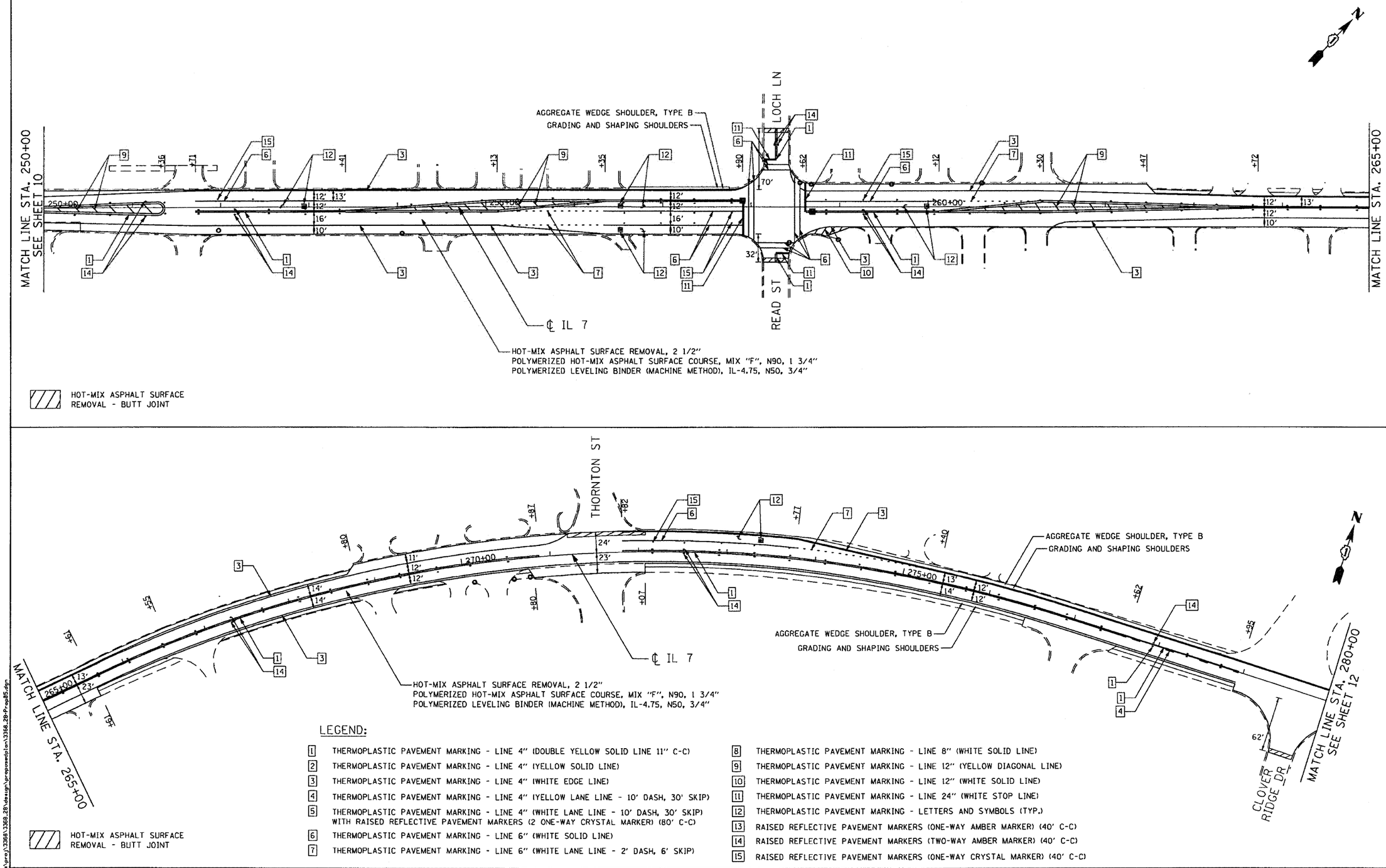

LEGEND:

1. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE 11" C-C)
2. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)
3. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE EDGE LINE)
4. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW LANE LINE - 10' DASH, 30' SKIP)
5. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP) WITH RAISED REFLECTIVE PAVEMENT MARKERS (2 ONE-WAY CRYSTAL MARKER) (80' C-C)
6. THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE)
7. THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)
8. THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID LINE)
9. THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE)
10. THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE SOLID LINE)
11. THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINE)
12. THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (TYP.)
13. RAISED REFLECTIVE PAVEMENT MARKERS (ONE-WAY AMBER MARKER) (40' C-C)
14. RAISED REFLECTIVE PAVEMENT MARKERS (TWO-WAY AMBER MARKER) (40' C-C)
15. RAISED REFLECTIVE PAVEMENT MARKERS (ONE-WAY CRYSTAL MARKER) (40' C-C)

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CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402
Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014

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PLOT DATE = 12/3/2009	DATE - 12/11/09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 7 /159TH STREET
IL 53 (INDEPENDENCE BLVD) TO I-355 (VETRANS MEMORIAL TOLLWAY)
PROPOSED ROADWAY AND PAVEMENT MARKING PLAN

SCALE: 1"=50' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	(535 B-6R & 536) RS-4	WILL	35	11
		CONTRACT NO. 60H62		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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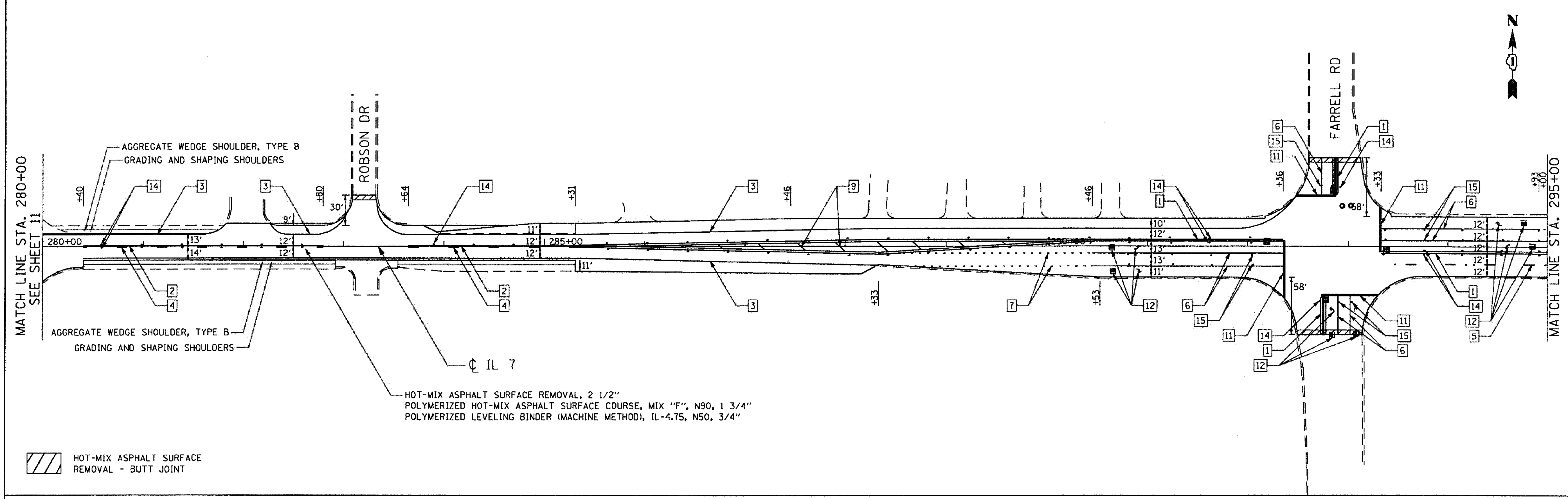
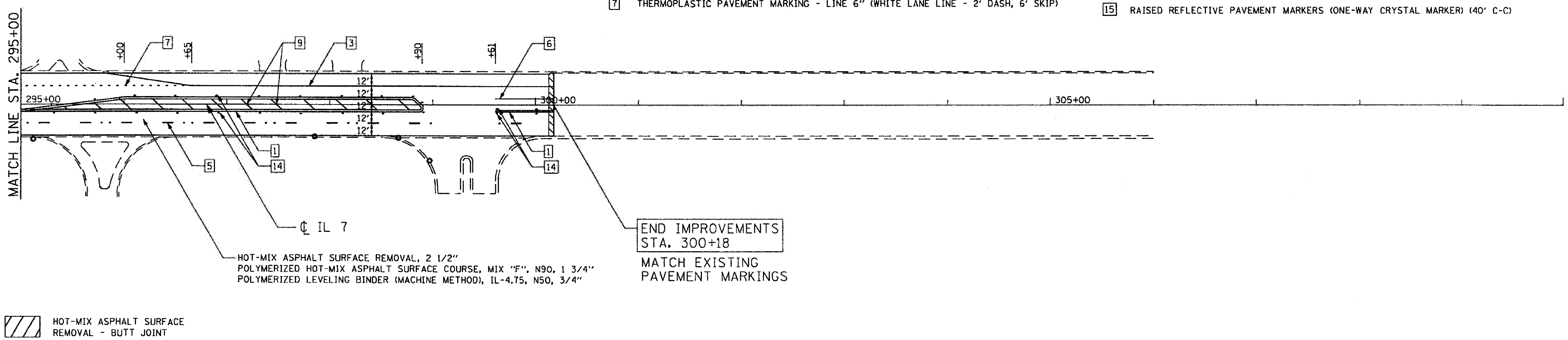


LEGEND:

1	THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINE 11" C-C)	8	THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID LINE)
2	THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)	9	THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE)
3	THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE EDGE LINE)	10	THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE SOLID LINE)
4	THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW LANE LINE - 10' DASH, 30' SKIP)	11	THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP LINE)
5	THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE LANE LINE - 10' DASH, 30' SKIP) WITH RAISED REFLECTIVE PAVEMENT MARKERS (2 ONE-WAY CRYSTAL MARKER) (80' C-C)	12	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (TYP.)
6	THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE)	13	RAISED REFLECTIVE PAVEMENT MARKERS (ONE-WAY AMBER MARKER) (40' C-C)
7	THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)	14	RAISED REFLECTIVE PAVEMENT MARKERS (TWO-WAY AMBER MARKER) (40' C-C)
		15	RAISED REFLECTIVE PAVEMENT MARKERS (ONE-WAY CRYSTAL MARKER) (40' C-C)



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Chicago, Illinois 60656
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PLOT DATE = 12/3/2009	DATE - 12/11/09	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 7 /159TH STREET
IL 53 (INDEPENDENCE BLVD) TO I-355 (VETRANS MEMORIAL TOLLWAY)
PROPOSED ROADWAY AND PAVEMENT MARKING PLAN

SCALE: 1"=50' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	(535 B-6R & 536) RS-4	WILL	35	12
		CONTRACT NO. 60H62		

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT

1. STA. 263+05, 16.8 LT
CATCH BASINS, TYPE A, 4'-DIA.
TYPE 24 F&G
F/L = 667.89
INV. = 664.50 (NE)

2. STA. 263+93, 14.6 LT
CATCH BASINS, TYPE A, 4'-DIA.
TYPE 24 F&G
F/L = 669.26
INV. = 664.08 (NE) (SW)

3. STA. 264+39, 14.2 LT
CATCH BASINS, TYPE A, 4'-DIA.
TYPE 24 F&G
F/L = 670.04
INV. = 663.87 (NE) (SW)

4. STA. 264+90, 14.5 LT
MANHOLES, TYPE A, 4'-DIA.
TYPE 24 F&G
F/L = 670.93
INV. = 663.63 (NE) (SW)

5. STA. 266+42, 15.7 LT
MANHOLES, TYPE A, 4'-DIA.
TYPE 1 FRAME, CLOSED LID
T/F = 673.24
INV. = 662.89 (NW) (SW)

6. STA. 266+43, 31.7 LT
PRECAST REINFORCED CONCRETE
FLARED END SECTIONS 12"
INV. = 662.82

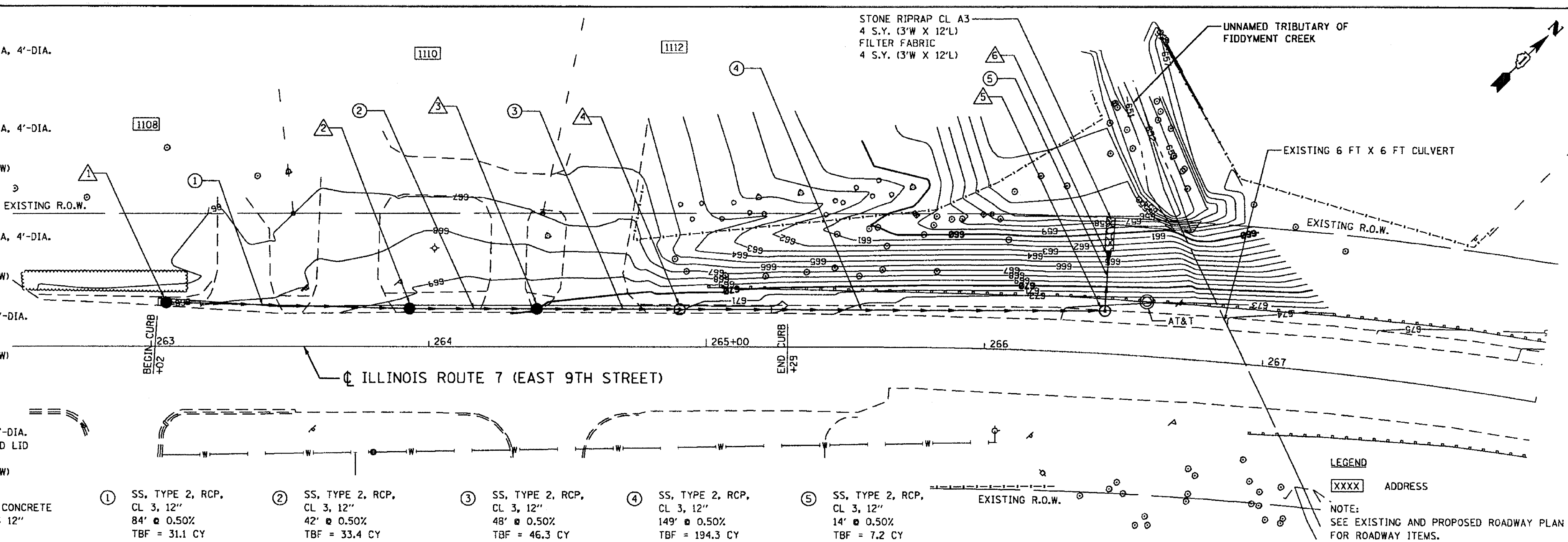
(1) SS, TYPE 2, RCP, CL 3, 12"
84' @ 0.50%
TBF = 31.1 CY

(2) SS, TYPE 2, RCP, CL 3, 12"
42' @ 0.50%
TBF = 33.4 CY

(3) SS, TYPE 2, RCP, CL 3, 12"
48' @ 0.50%
TBF = 46.3 CY

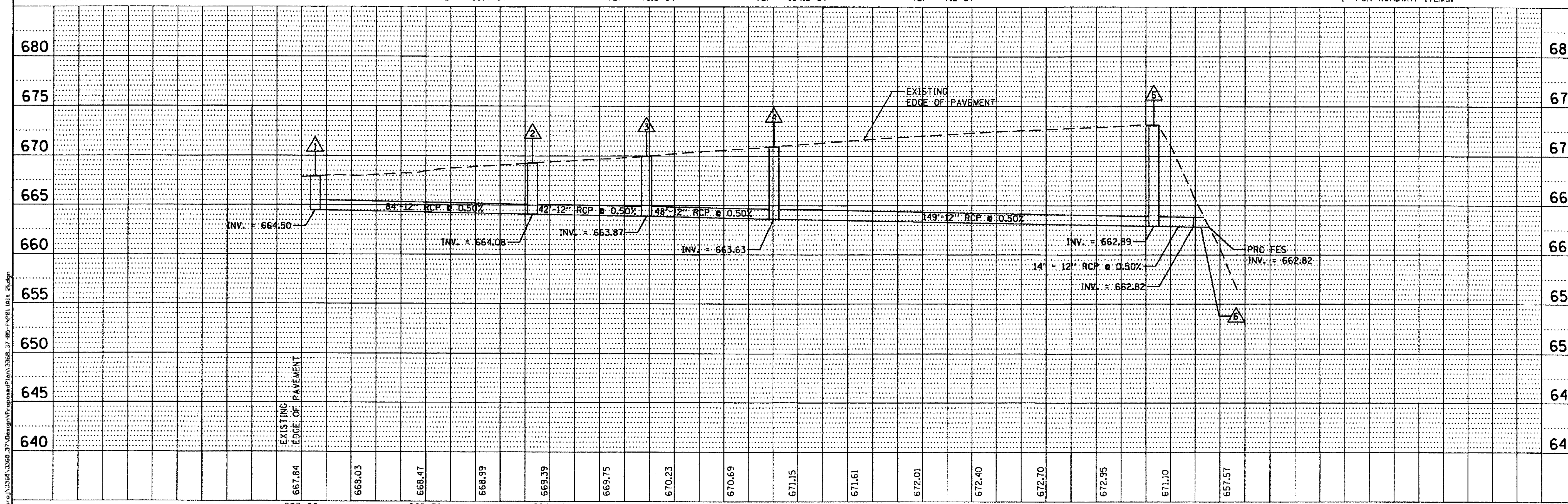
(4) SS, TYPE 2, RCP, CL 3, 12"
149' @ 0.50%
TBF = 194.3 CY

(5) SS, TYPE 2, RCP, CL 3, 12"
14' @ 0.50%
TBF = 7.2 CY



LEGEND
XXXX ADDRESS

NOTE:
SEE EXISTING AND PROPOSED ROADWAY PLAN FOR ROADWAY ITEMS.



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 7 /159TH STREET
IL 53 (INDEPENDENCE BLVD) TO I-355 (VETRANS MEMORIAL TOLLWAY)
DRAINAGE PLAN AND PROFILE

SCALE: 1" = 20' | SHEET NO. 13 OF 35 SHEETS | STA. 263+50 TO STA. 268+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	(535 B-6R & 536) RS-4	WILL	35	13

CONTRACT NO. 60H62
FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT

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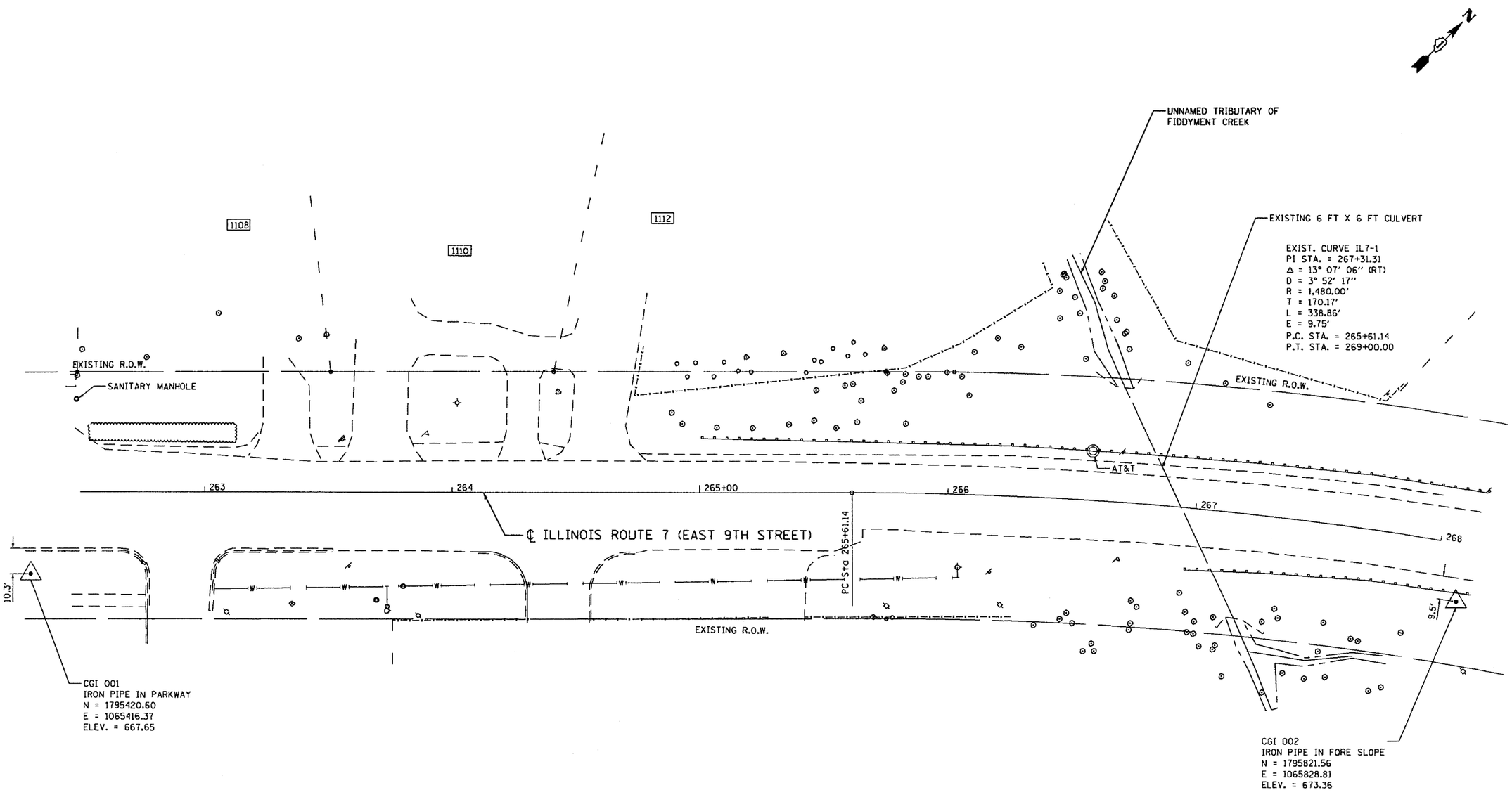

ILLINOIS ROUTE 7 (EAST 9TH STREET) ALIGNMENT

STATION	NORTHING	EASTING
POT 263+00.00	1,795,493.73	1,065,442.12
PC 265+61.14	1,795,679.26	1,065,625.89
PT 269+00.00	1,795,890.73	1,065,889.72

LEGEND

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NOTE:
SEE DRAINAGE PLAN AND PROFILE FOR DRAINAGE ITEMS.

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Tel. 773.775.4009 Fax 773.775.4014

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 7 /159TH STREET
IL 53 (INDEPENDENCE BLVD) TO I-355 (VETRANS MEMORIAL TOLLWAY)
EXISTING ROADWAY PLAN

SCALE: 1" = 20' | SHEET NO. 14 OF 35 SHEETS | STA. 263+50 TO STA. 268+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	(535 B-6R & 536) RS-4	WILL	35	14
		CONTRACT NO. 60H62		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

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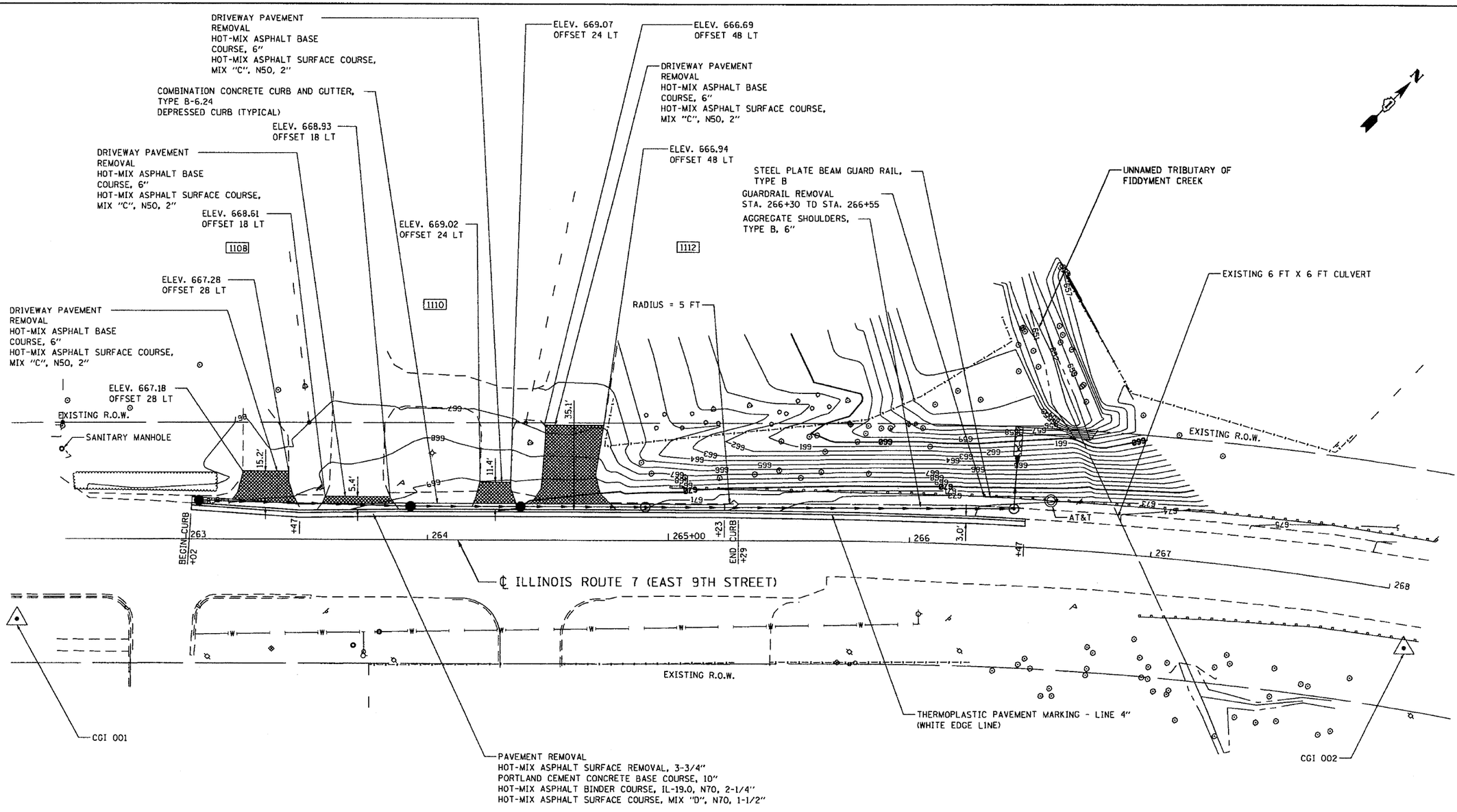

LEGEND

XXXX ADDRESS

NOTE:

SEE DRAINAGE PLAN AND PROFILE FOR DRAINAGE ITEMS.

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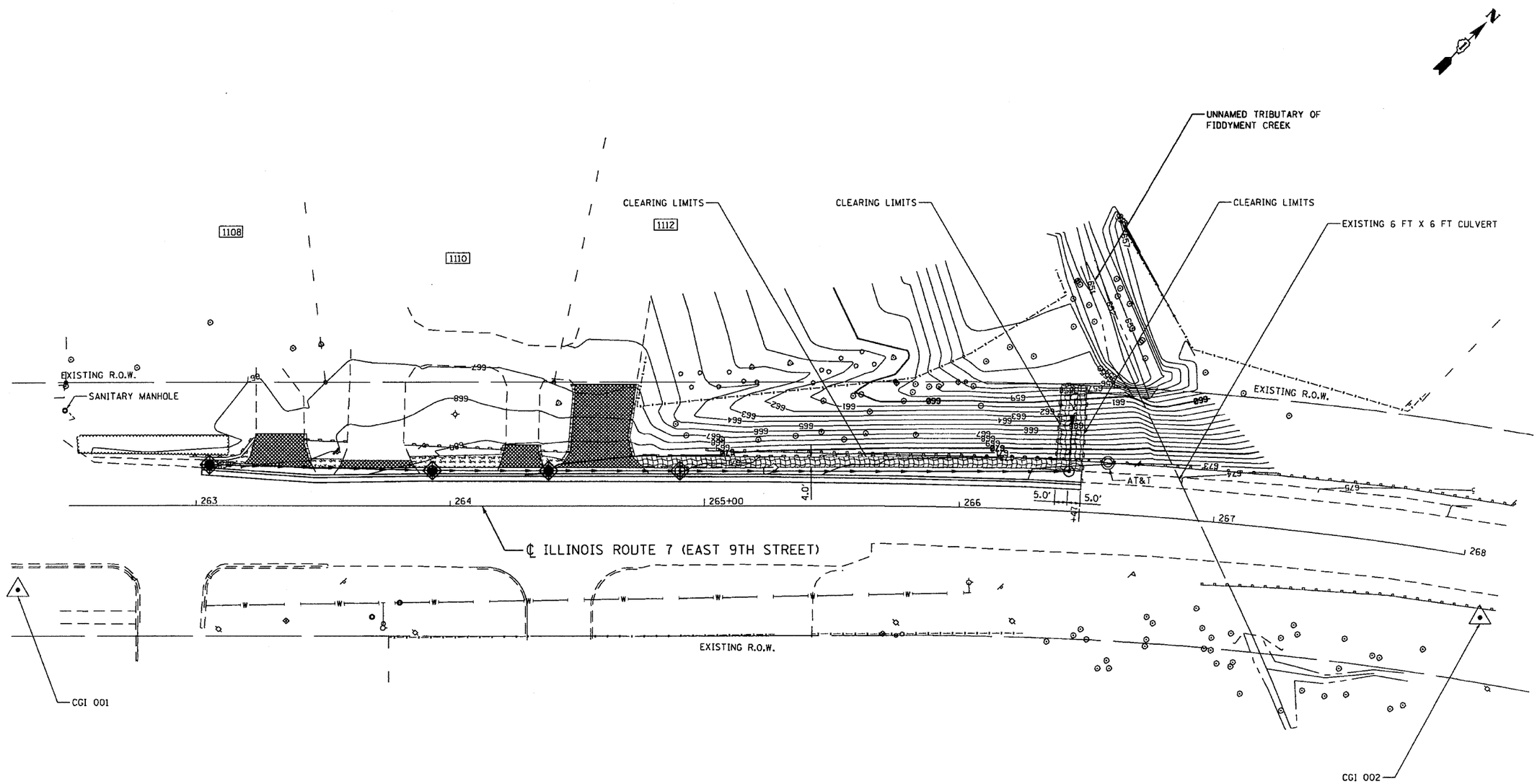
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 7 /159TH STREET
IL 53 (INDEPENDENCE BLVD) TO I-355 (VETRANS MEMORIAL TOLLWAY)
PROPOSED ROADWAY PLAN

SCALE: 1" = 20' | SHEET NO. 15 OF 35 SHEETS | STA. 263+50 TO STA. 268+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	(535 B-6R & 536) RS-4	WILL	35	15
		CONTRACT NO. 60H62		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



LEGEND

XXXX	ADDRESS
	PERIMETER EROSION BARRIER
	INLET FILTERS
	SODDING, SPECIAL
	SEEDING, CLASS 3 & EROSION CONTROL BLANKET

NOTE:
SEE DRAINAGE PLAN AND PROFILE FOR DRAINAGE ITEMS.

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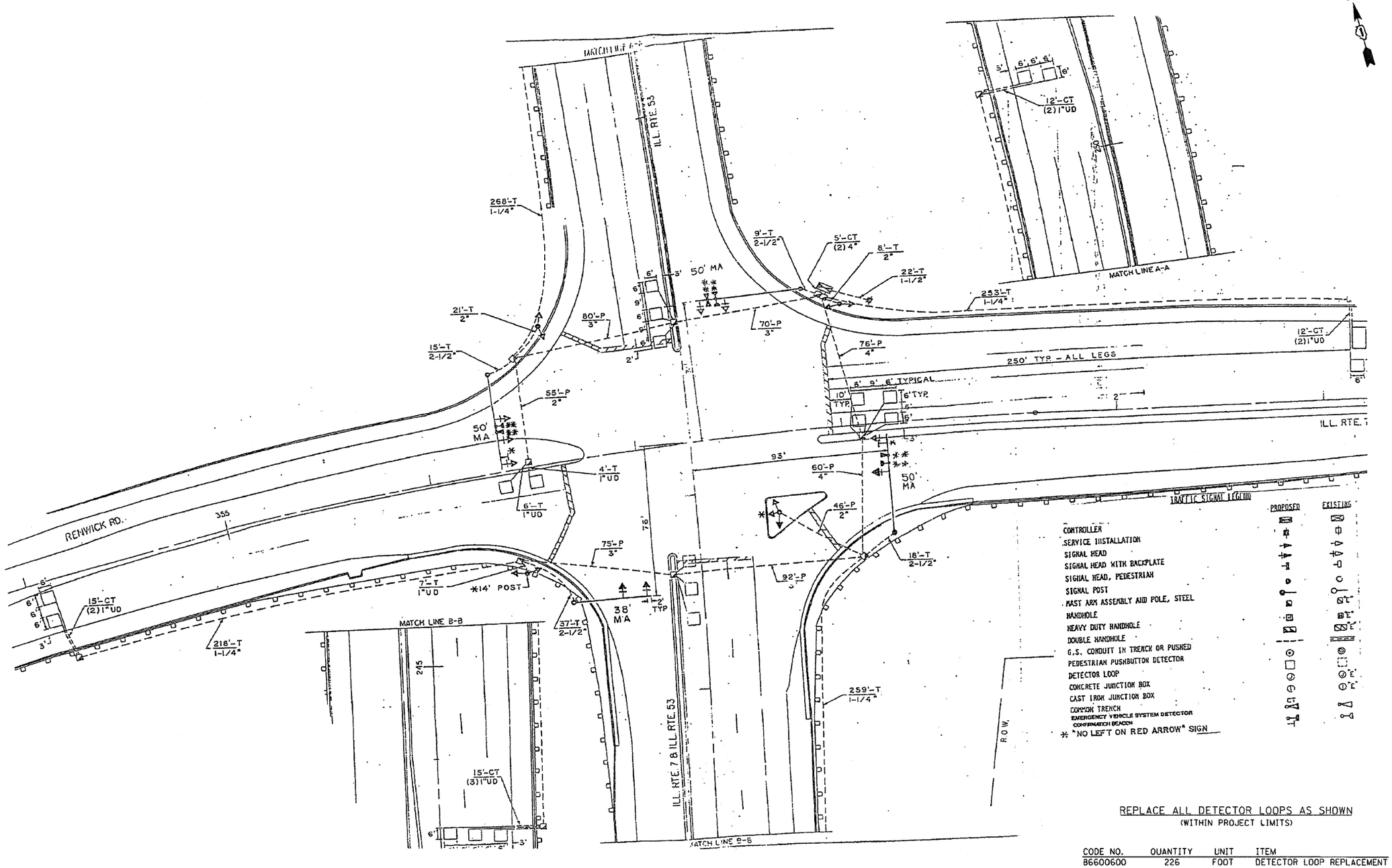
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 7 /159TH STREET
IL 53 (INDEPENDENCE BLVD) TO I-355 (VETRANS MEMORIAL TOLLWAY)
EROSION CONTROL PLAN

SCALE: 1" = 20' | SHEET NO. 16 OF 35 SHEETS | STA. 263+50 TO STA. 268+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	(535 B-6R & 536) RS-4	WILL	35	16
		CONTRACT NO. 60H62		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN PROJECT LIMITS)

CODE NO.	QUANTITY	UNIT	ITEM
86600600	226	FOOT	DETECTOR LOOP REPLACEMENT

FILE NAME = c:\projects\3268\3368.28\design\Signals\3368.28-Loops01.dgn

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Chicago, Illinois 60656
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PLOT DATE = 12/3/2009	DATE - 12/11/09	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 7 /159TH STREET
IL 53 (INDEPENDENCE BLVD) TO I-355 (VETRANS MEMORIAL TOLLWAY)
DETECTOR LOOP REPLACEMENT PLAN

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	(535 B-6R & 536) RS-4	WILL	35	17
		CONTRACT NO. 60H62		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
CONTROLLER		
SERVICE INSTALLATION		
SIGNAL HEAD		
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD OPTICALLY PROGRAMMED		
SIC HEAD, PEDESTRIAN		
SIC POST		
MAST ARM ASSEMBLY AND POLE, STEEL		
MAST ARM ASSEMBLY AND POLE, ALUMINUM		
HANDHOLE		
HEAVY DUTY HANDHOLE		
DOUBLE HANDHOLE		
G.S. CONDUIT IN TRENCH OR PUSHED		
PEDESTRIAN PUSHBUTTON DETECTOR		
CONCRETE JUNCTION BOX		
CAST IRON JUNCTION BOX		
COMMON TRENCH		
SPECIAL TRENCH		
UNIT DUCT		
EMERGENCY VEHICLE LIGHT DETECTOR		
ZONE INFORMATION BEACON		
WOOD POLE		
DETECTOR LOOP		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II		
RAILROAD CONTROL CABINET		
SIDEWALK RAMPS		
PUSH PITS		
ILLUMINATED SIGN		
LUMINAIRE		

PROPOSED CONCRETE DOUBLE HANDHOLE AND CONTROLLER ARE INCLUDED IN THE QUANTITIES FOR IL. RTE. 171 (STATE STREET) AND 10TH STREET

FAR-OUT LOOPS FOR SOUTHBOUND TRAFFIC AT IL. RTE. 171 (STATE STREET) AND 10TH STREET. ALL QUANTITIES FOR THE INSTALLATION OF THESE LOOPS ARE REFERENCED ON THE 10TH STREET QUANTITY SHEET.

350 SQ. FT. SIDEWALK REMOVAL
350 SQ. FT. PORTLAND CEMENT CONCRETE SIDEWALK 5"

DRILL EXISTING FOUNDATION (1)

NOTE:
CAUTION - BURIED UTILITIES IN THE VICINITY OF RAILROAD

@ STA. 20+00 (9TH STREET)
@ STA. 158+07 (IL. 171)

612 SQ. FT. SIDEWALK REMOVAL
612 SQ. FT. PORTLAND CEMENT CONCRETE SIDEWALK 5"

INTERCONNECT TO 10TH STREET

EXISTING UNDERGROUND VAULT (TYP.) - DIMENSIONS AS SHOWN

168 SQ. FT. SIDEWALK REMOVAL
168 SQ. FT. PORTLAND CEMENT CONCRETE SIDEWALK 5"

IL. RTE. 171 (STATE STREET)

IL. RTE. 7 (9TH STREET)

248 SQ. FT. SIDEWALK REMOVAL
248 SQ. FT. PORTLAND CEMENT CONCRETE SIDEWALK 5"

CALLING LOOPS

FAR-OUT LOOPS FOR EASTBOUND TRAFFIC AT IL. RTE. 7 (9TH STREET) AND HAMILTON STREET. ALL QUANTITIES FOR THE INSTALLATION OF THESE LOOP ARE REFERENCED ON THE HAMILTON STREET QUANTITY SHEET.

INTERCONNECT TO HAMILTON STREET

REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN PROJECT LIMITS)

CODE NO.	QUANTITY	UNIT	ITEM
86600600	289	FOOT	DETECTOR LOOP REPLACEMENT

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Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014

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PLOT DATE = 12/3/2009	DATE - 12/11/09	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

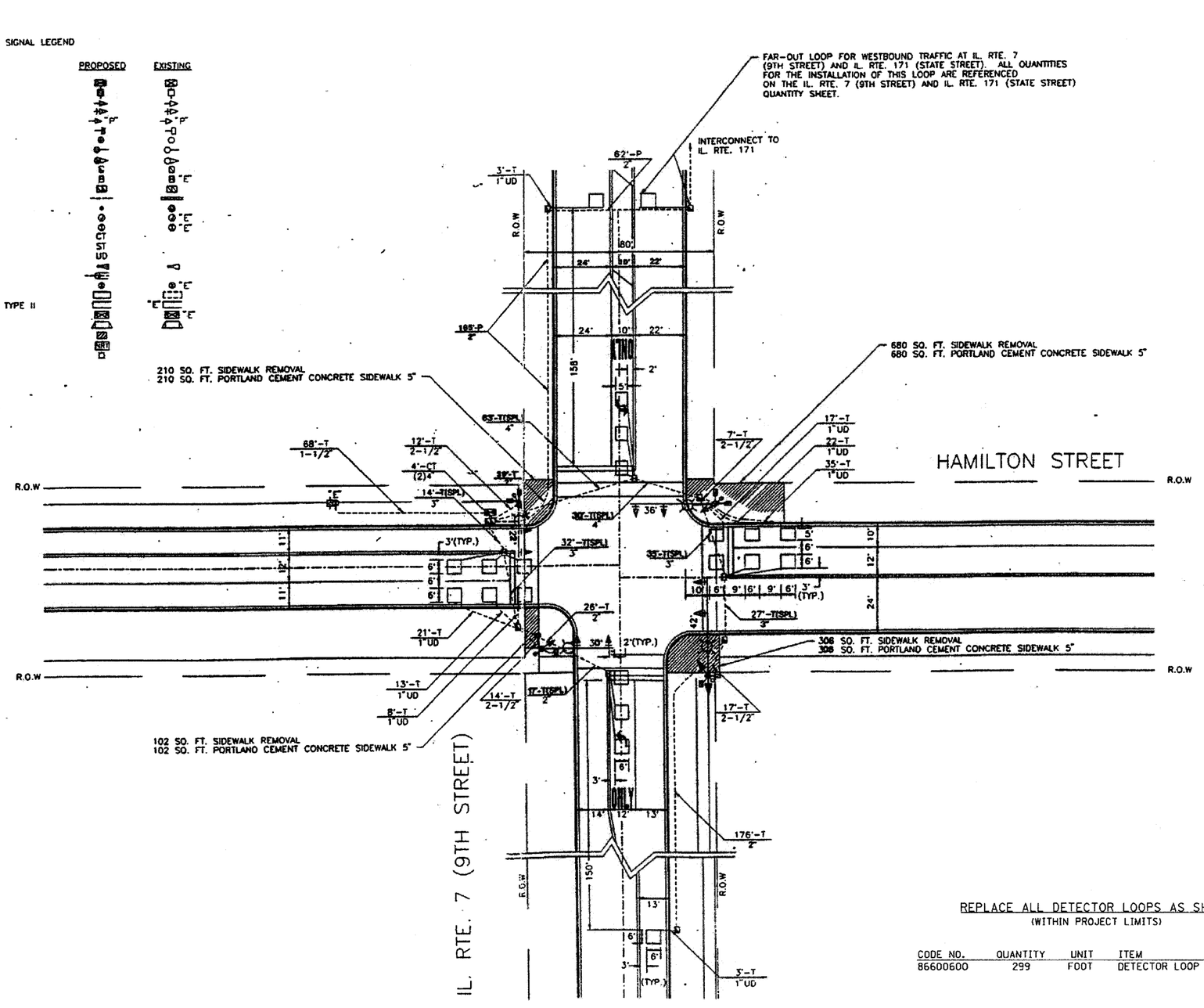
IL 7 /159TH STREET
IL 53 (INDEPENDENCE BLVD) TO I-355 (VETRANS MEMORIAL TOLLWAY)
DETECTOR LOOP REPLACEMENT PLAN

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	(535 B-6R & 536) RS-4	WILL	35	18
		CONTRACT NO. 60H62		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
CONTROLLER		
SERVICE INSTALLATION		
SIGNAL HEAD		
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD OPTICALLY PROGRAMMED		
SIGNAL HEAD, PEDESTRIAN		
SIGNAL POST		
MAST ARM ASSEMBLY AND POLE, STEEL		
MAST ARM ASSEMBLY AND POLE, ALUMINUM		
HANDHOLE		
HEAVY DUTY HANDHOLE		
DOUBLE HANDHOLE		
G.S. CONDUIT IN TRENCH OR PUSHED		
PEDESTRIAN PUSHBUTTON DETECTOR		
CONCRETE JUNCTION BOX		
CAST IRON JUNCTION BOX		
COMMON TRENCH		
SPECIAL TRENCH		
UNIT DUCT		
EMERGENCY VEHICLE SYSTEM DETECTOR		
CONDUIT SPLICE		
WOOD POLE		
DETECTOR LOOP		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II		
RAILROAD CONTROL CABINET		
SIDEWALK RAMPS		
PUSH PITS		
ILLUMINATED SIGN		
LUMINAIRE		



REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN PROJECT LIMITS)

CODE NO.	QUANTITY	UNIT	ITEM
86600600	299	FOOT	DETECTOR LOOP REPLACEMENT

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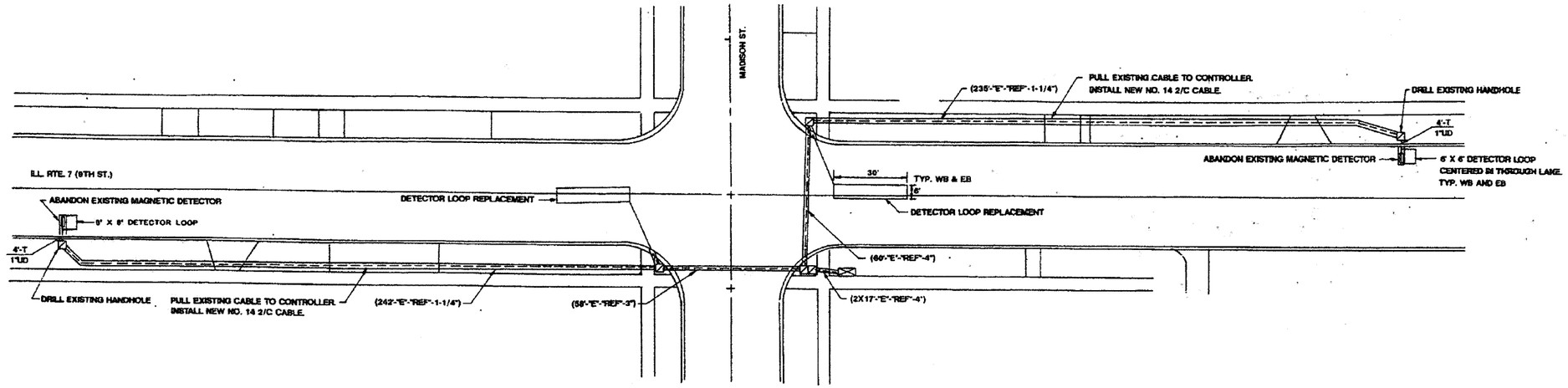
	DRAWN - AL	REVISED -
PLOT SCALE = 2.0000 ' / IN.	CHECKED - SNS	REVISED -
PLOT DATE = 12/3/2009	DATE - 12/11/09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 7 /159TH STREET
IL 53 (INDEPENDENCE BLVD) TO I-355 (VETRANS MEMORIAL TOLLWAY)
DETECTOR LOOP REPLACEMENT PLAN

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	(535 B-6R & S36) RS-4	WILL	35	19
		CONTRACT NO. 60H62		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN PROJECT LIMITS)

CODE NO.	QUANTITY	UNIT	ITEM
86600600	238	FOOT	DETECTOR LOOP REPLACEMENT

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Chicago, Illinois 60656
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	DRAWN - AL	REVISED -	
PLOT SCALE = 2.0000 ' / IN.	CHECKED - SNS	REVISED -	
PLOT DATE = 12/3/2009	DATE - 12/11/09	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

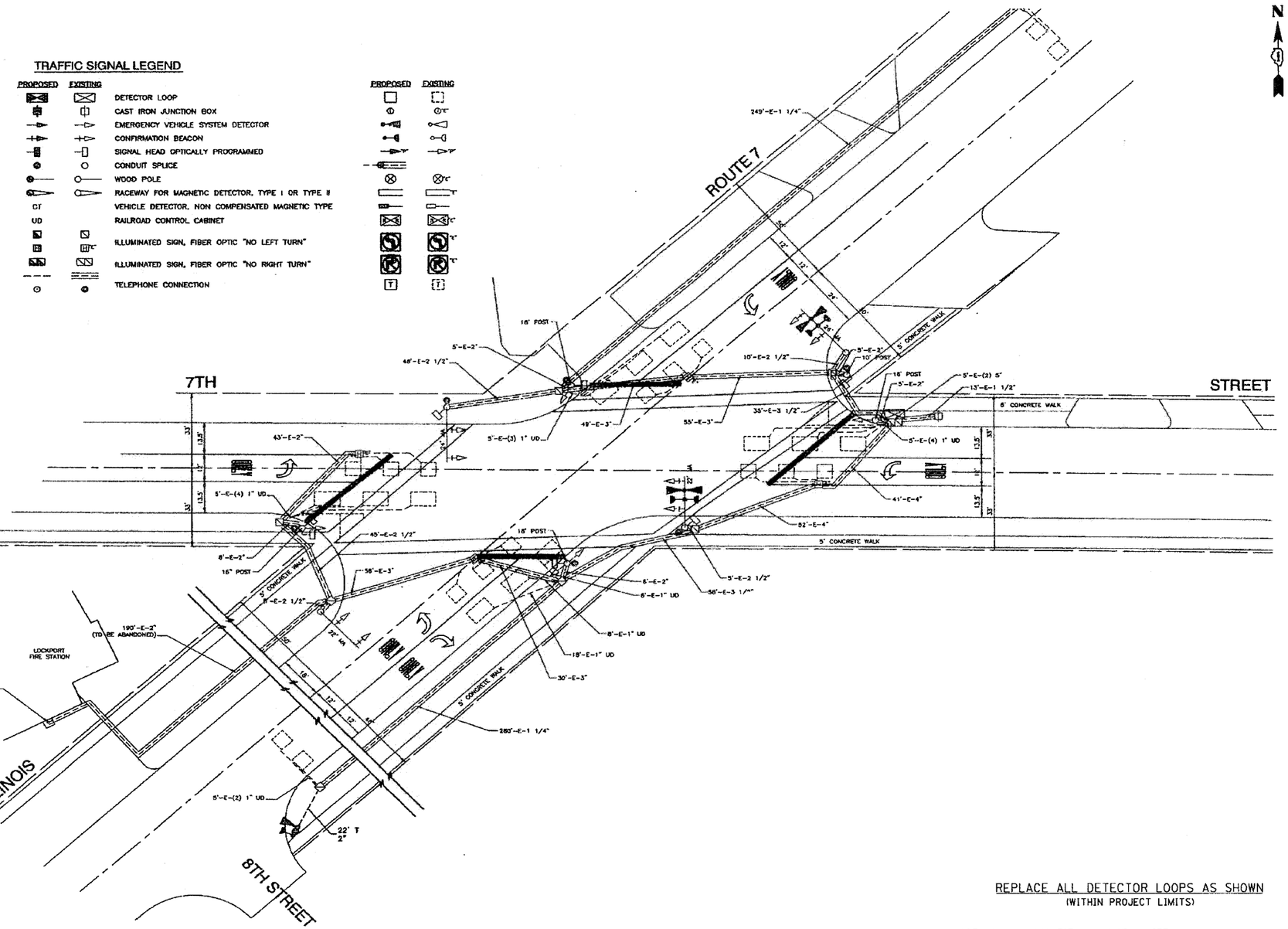
IL 7 /159TH STREET
IL 53 (INDEPENDENCE BLVD) TO I-355 (VETRANS MEMORIAL TOLLWAY)
DETECTOR LOOP REPLACEMENT PLAN
SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	(535 B-6R & 536) RS-4	WILL	35	20
		CONTRACT NO. 60H62		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

FILE NAME = m:\proj\3268\3268.28\design\Signals\3268.28-Loops84.dgn

TRAFFIC SIGNAL LEGEND

PROPOSED	EXISTING		PROPOSED	EXISTING
		CONTROLLER		
		SERVICE INSTALLATION		
		SIGNAL HEAD		
		SIGNAL HEAD WITH BACKPLATE		
		SIGNAL HEAD, PEDESTRIAN		
		SIGNAL POST		
		MAST ARM ASSEMBLY AND POLE, STEEL		
		MAST ARM ASSEMBLY AND POLE, ALUMINUM		
		COMMON TRENCH		
	UD	UNIT DUCT		
		HANDHOLE		
		HEAVY DUTY HANDHOLE		
		DOUBLE HANDHOLE		
		G.S. CONDUIT IN GROUND		
		PEDESTRIAN PUSHBUTTON DETECTOR		
		DETECTOR LOOP		
		CAST IRON JUNCTION BOX		
		EMERGENCY VEHICLE SYSTEM DETECTOR		
		CONFIRMATION BEACON		
		SIGNAL HEAD OPTICALLY PROGRAMMED		
		CONDUIT SPLICE		
		WOOD POLE		
		RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II		
	CT	VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE		
		RAILROAD CONTROL CABINET		
		ILLUMINATED SIGN, FIBER OPTIC "NO LEFT TURN"		
		ILLUMINATED SIGN, FIBER OPTIC "NO RIGHT TURN"		
		TELEPHONE CONNECTION		



REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN PROJECT LIMITS)

CODE NO.	QUANTITY	UNIT	ITEM
86600600	1,192	FOOT	DETECTOR LOOP REPLACEMENT

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Ciorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402
Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014

USER NAME = wloncaster	DESIGNED - AL	REVISED -	
	DRAWN - AL	REVISED -	
PLOT SCALE = 2.0000 ' / IN.	CHECKED - SNS	REVISED -	
PLOT DATE = 12/3/2009	DATE - 12/11/09	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

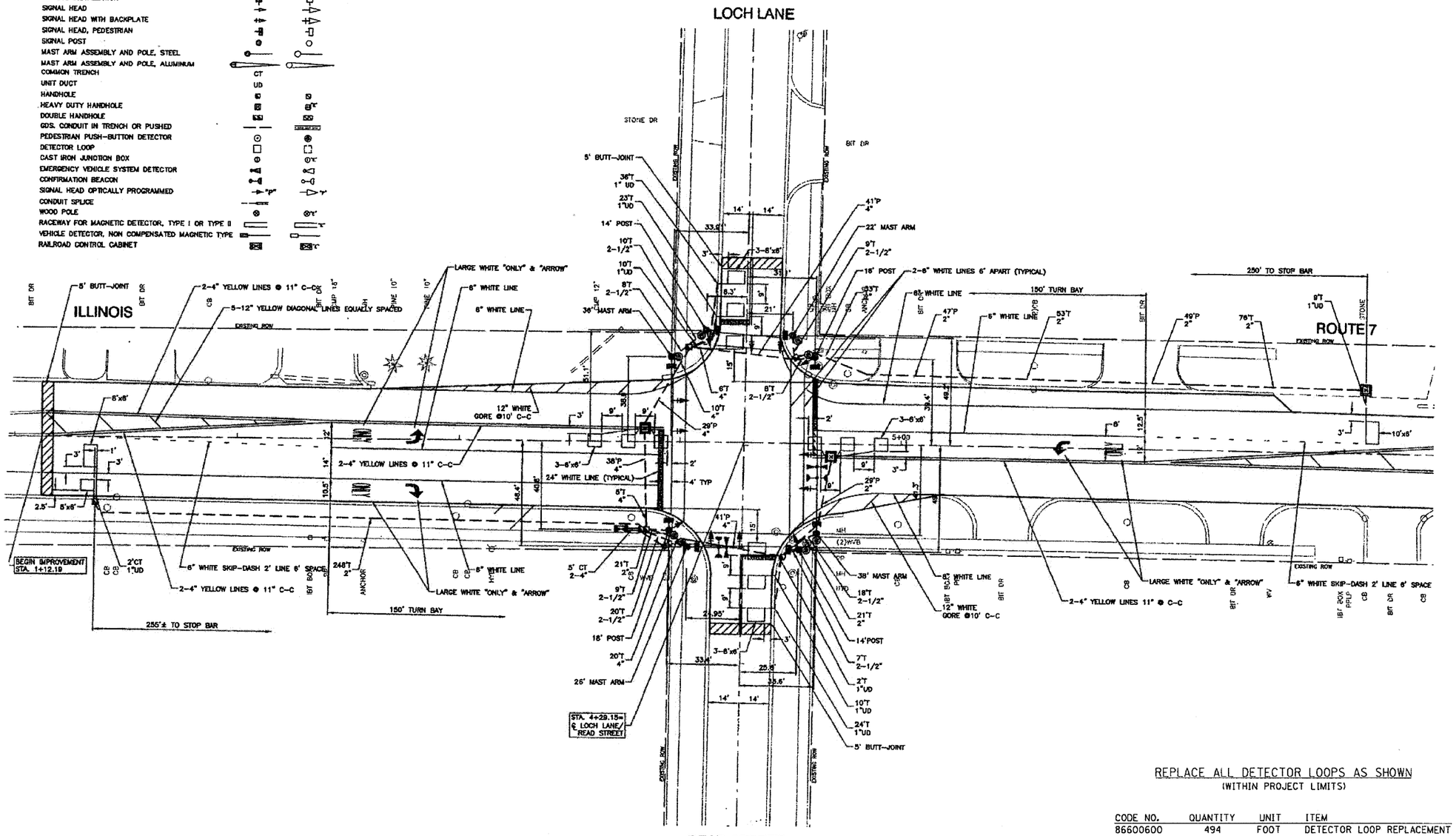
IL 7 /159TH STREET
IL 53 (INDEPENDENCE BLVD) TO I-355 (VETRANS MEMORIAL TOLLWAY)
DETECTOR LOOP REPLACEMENT PLAN

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	(535 B-GR & 536) RS-4	WILL	35	21
		CONTRACT NO. 60H62		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
CONTROLLER		
SERVICE INSTALLATION		
SIGNAL HEAD		
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD, PEDESTRIAN		
SIGNAL POST		
MAST ARM ASSEMBLY AND POLE, STEEL		
MAST ARM ASSEMBLY AND POLE, ALUMINUM		
COMMON TRENCH	CT	
UNIT DUCT	UD	
HANDHOLE		
HEAVY DUTY HANDHOLE		
DOUBLE HANDHOLE		
GDS. CONDUIT IN TRENCH OR PUSHED		
PEDESTRIAN PUSH-BUTTON DETECTOR		
DETECTOR LOOP		
CAST IRON JUNCTION BOX		
EMERGENCY VEHICLE SYSTEM DETECTOR		
CONFIRMATION BEACON		
SIGNAL HEAD OPTICALLY PROGRAMMED	"P"	"P"
CONDUIT SPLICE		
WOOD POLE		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II		
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE		
RAILROAD CONTROL CABINET		



REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN PROJECT LIMITS)

CODE NO.	QUANTITY	UNIT	ITEM
86600600	494	FOOT	DETECTOR LOOP REPLACEMENT

FILE NAME = r:\proj\3368\3368.28\design\Signals\3368_28-Loop.dgn

Ciorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402
Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014

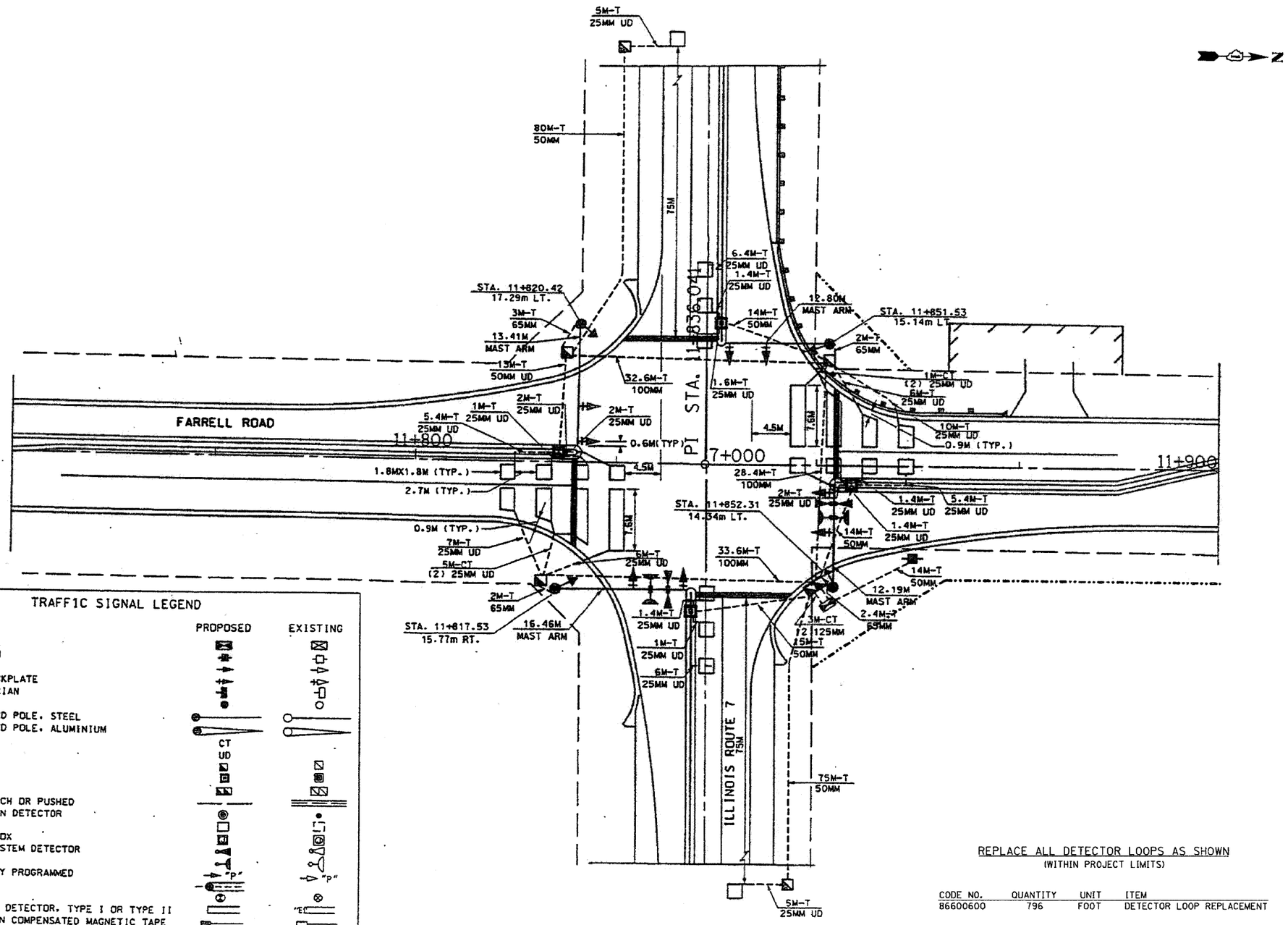
USER NAME = wlancaster	DESIGNED - AL	REVISED -	
	DRAWN - AL	REVISED -	
PLOT SCALE = 2.8888 ' / IN.	CHECKED - SNS	REVISED -	
PLOT DATE = 12/3/2009	DATE - 12/11/09	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 7 /159TH STREET
IL 53 (INDEPENDENCE BLVD) TO I-355 (VETRANS MEMORIAL TOLLWAY)
DETECTOR LOOP REPLACEMENT PLAN

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	(535 B-6R & 536) RS-4	WILL	35	22
		CONTRACT NO. 60H62		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
CONTROLLER		
SERVICE INSTALLATION		
SIGNAL HEAD		
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD, PEDESTRIAN		
SIGNAL POST		
MAST ARM ASSEMBLY AND POLE, STEEL		
MAST ARM ASSEMBLY AND POLE, ALUMINIUM		
COMMON TRENCH	CT	
UNIT DUCT	UD	
HANDHOLE		
HEAVY DUTY HANDHOLE		
DOUBLE HANDHOLE		
G.S. CONDUIT IN TRENCH OR PUSHED		
PEDESTRIAN PUSHBUTTON DETECTOR		
DETECTOR LOOP		
CAST IRON JUNCTION BOX		
EMERGENCY VEHICLE SYSTEM DETECTOR		
CONFIRMATION BEACON		
SIGNAL HEAD OPTICALLY PROGRAMMED	"P"	"P"
CONDUIT SPLICE		
WOOD POLE		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II		
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TAPE		
RAILROAD CONTROL CABINET		"E"

REPLACE ALL DETECTOR LOOPS AS SHOWN
(WITHIN PROJECT LIMITS)

CODE NO.	QUANTITY	UNIT	ITEM
86600600	796	FOOT	DETECTOR LOOP REPLACEMENT

Ciorba Group, Inc.
CONSULTING ENGINEERS
5507 North Cumberland Avenue, Suite 402
Chicago, Illinois 60656
Tel. 773.775.4009 Fax 773.775.4014

USER NAME = wlancaster	DESIGNED - AL	REVISED -	
	DRAWN - AL	REVISED -	
PLOT SCALE = 2.0000 ' / IN.	CHECKED - SNS	REVISED -	
PLOT DATE = 12/3/2009	DATE - 12/11/09	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 7 /159TH STREET
IL 53 (INDEPENDENCE BLVD) TO I-355 (VETRANS MEMORIAL TOLLWAY)
DETECTOR LOOP REPLACEMENT PLAN

SCALE: N.T.S. | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	(535 B-6R & 536) RS-4	WILL	35	23
		CONTRACT NO. 60H62		

FED. ROAD DIST. NO. 1 | ILLINOIS | FED. AID PROJECT

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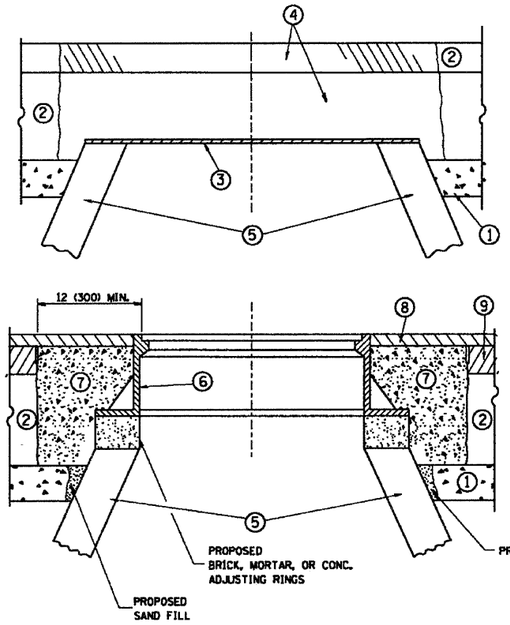


CONSTRUCTION PROCEDURES

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 1½ (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.

B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.

C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS SI CONCRETE, OR HMA SURFACE COURSE OR HMA BINDER COURSE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

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

LEGEND

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

NOTES:

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

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

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

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

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

LOCATION OF STRUCTURES:

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

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

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

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

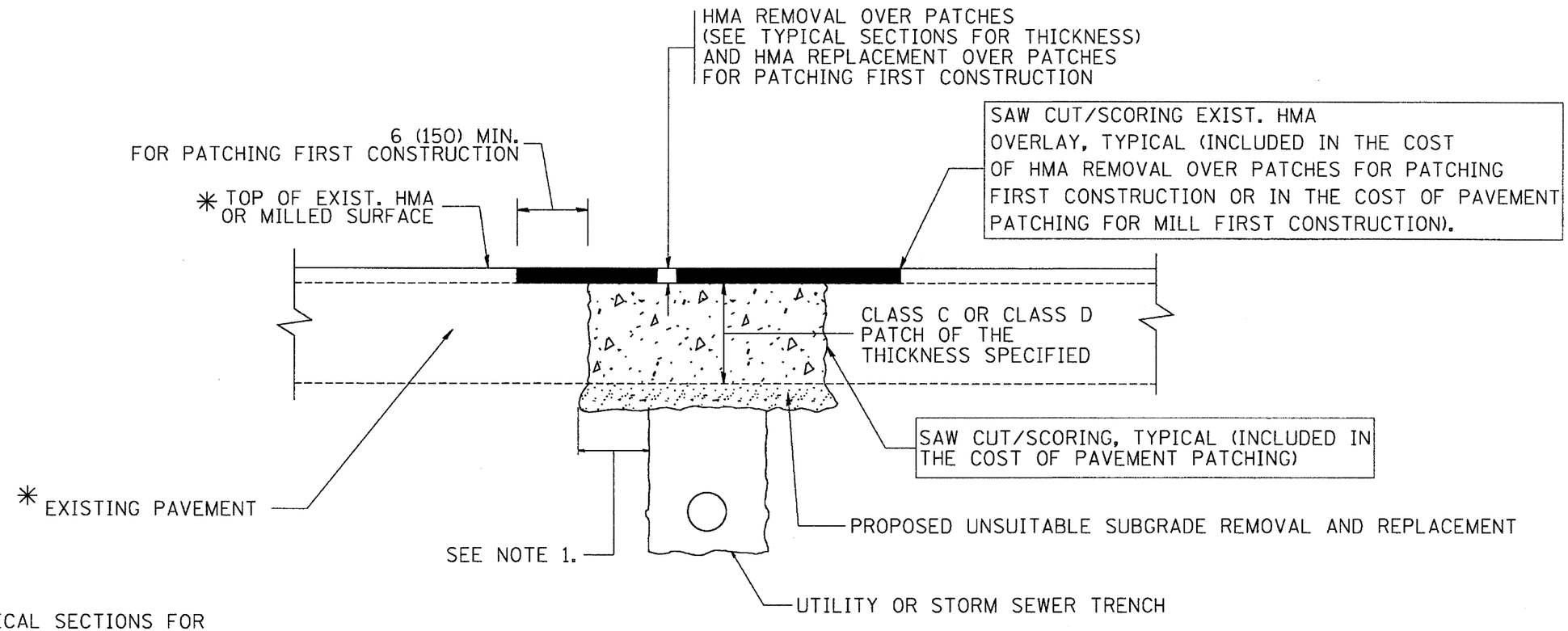
FILE NAME = W:\dststd\22x34\bd88.dgn	USER NAME = gogliomobt	DESIGNED - R. SHAH	REVISED - R. SHAH 03-10-95
		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED - R. WIEDEMAN 05-14-04
	PLOT DATE = 1/4/2008	DATE - 10-25-94	REVISED - R. BORO 01-01-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS FOR
FRAMES AND LIDS ADJUSTMENT WITH MILLING

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	(535 B-6R & 536) RS-4	WILL	35	24
	BD600-03 (BD-8)	CONTRACT NO. 60H62		
FED. ROAD DIST. NO. (	ILLINOIS	FED. AID PROJECT		



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

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

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

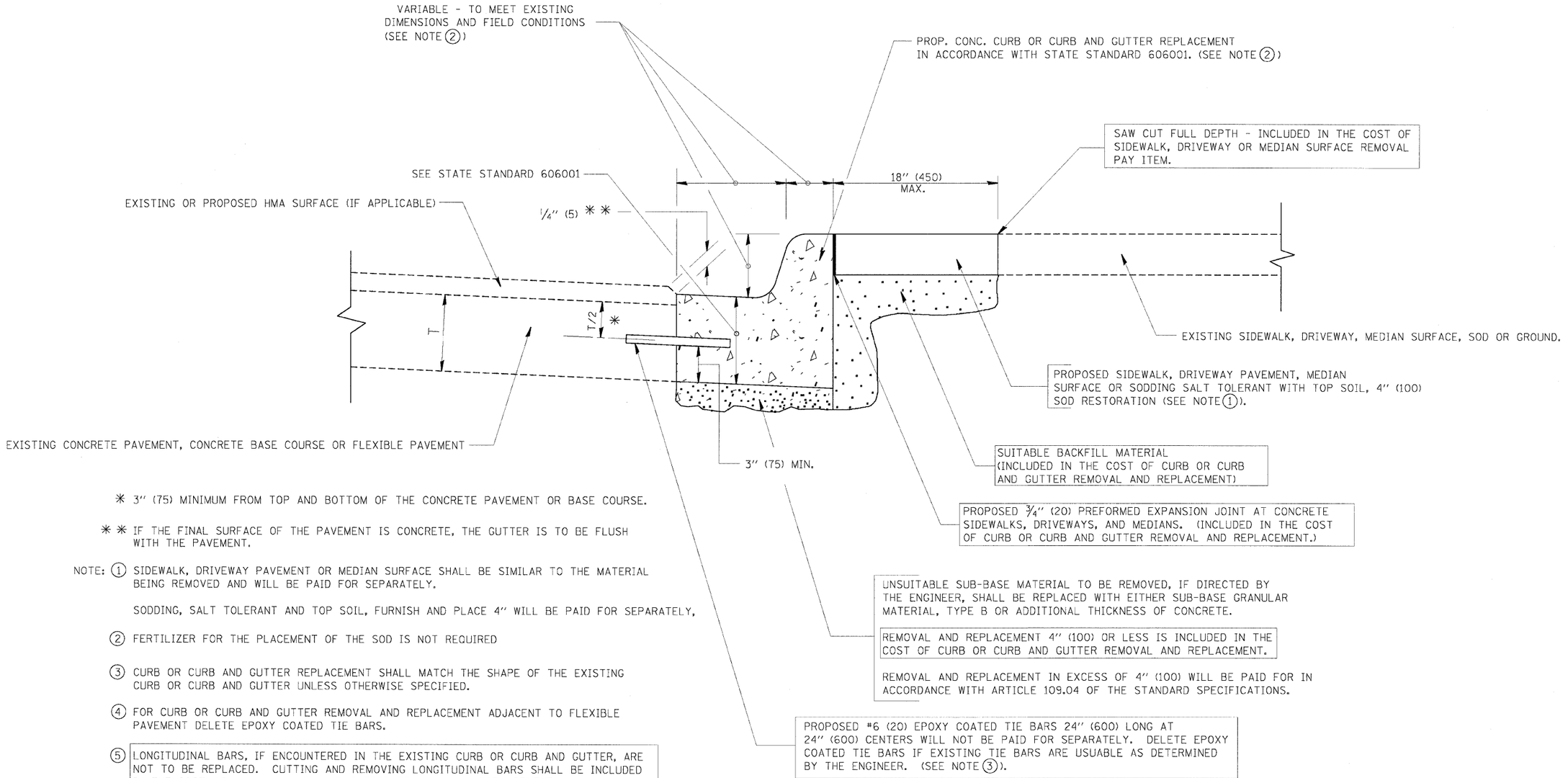
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4½ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

FILE NAME = c:\projects\distatd22x34\bd22.dgn	USER NAME = bouerdl	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - R. BORO 01-01-07					351	(535 B-6R & 536) RS-4	WILL	35	25
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - R. BORO 09-04-07						BD400-04 (BD-22)	CONTRACT NO. 60H62		
	PLOT DATE = 10/27/2008	DATE - 10-25-94	REVISED - K. ENG 10-27-08		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



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

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

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

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.

BASIS OF PAYMENT:

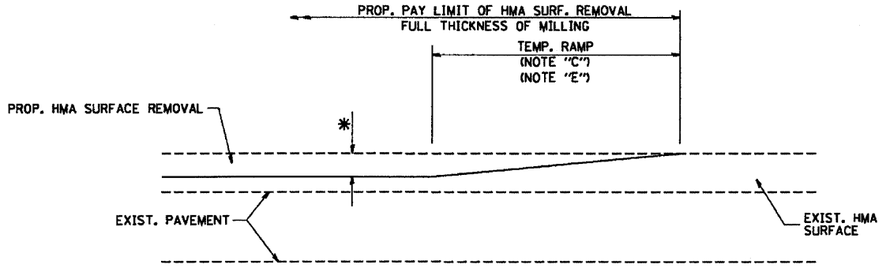
THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

FILE NAME = c:\pw_work\pwidot\drivakosgn\d0100315\bd24.dgn	USER NAME = drivakosgn	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION**	**CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT**
	PLOT SCALE = 50.000 ' / IN.	DRAWN -	REVISED - A. ABBAS 03-21-97		SCALE: NONE / SHEET NO. 1 OF 1 SHEETS / STA. / TO STA.
	PLOT DATE = 12/15/2009	CHECKED -	REVISED - M. GOMEZ 01-22-01		
		DATE - 03-11-94	REVISED - R. BORO 12-15-09		

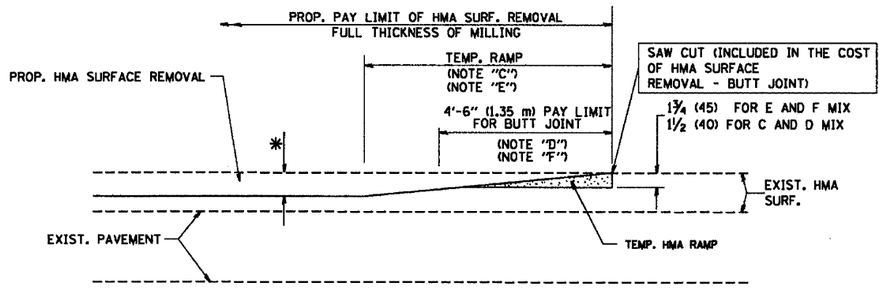
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	(535 B-6R & 536) RS-4	WILL	35	26
	BD600-06 (BD-24)	CONTRACT NO. 60H62		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1

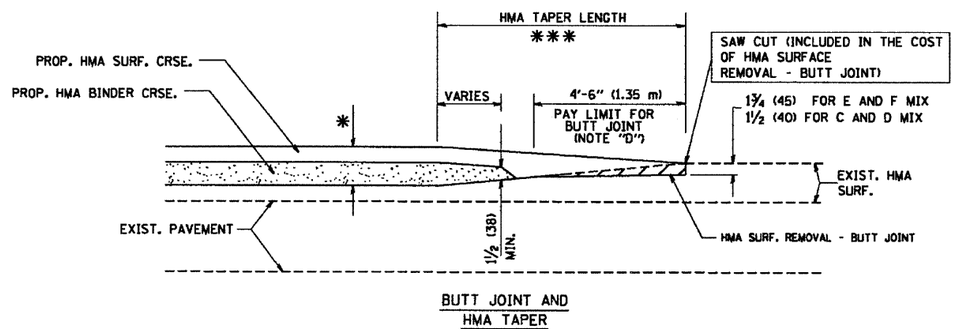


HMA CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

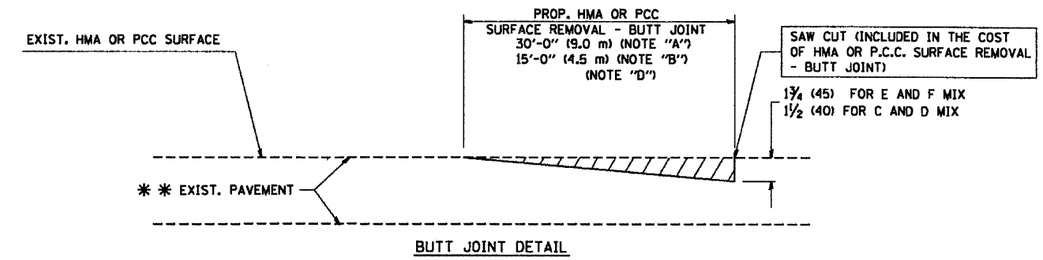
OPTION 2

TYPICAL TEMPORARY RAMP

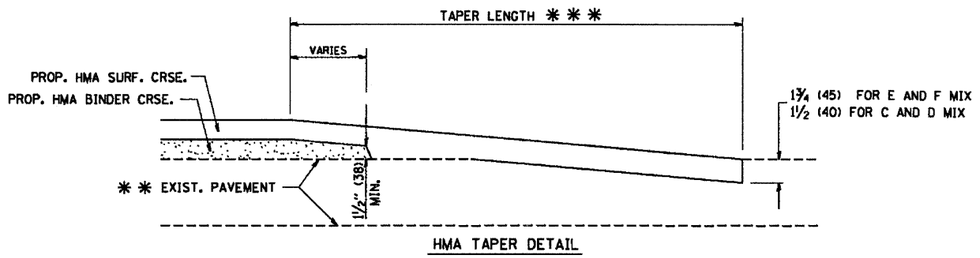


BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



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.

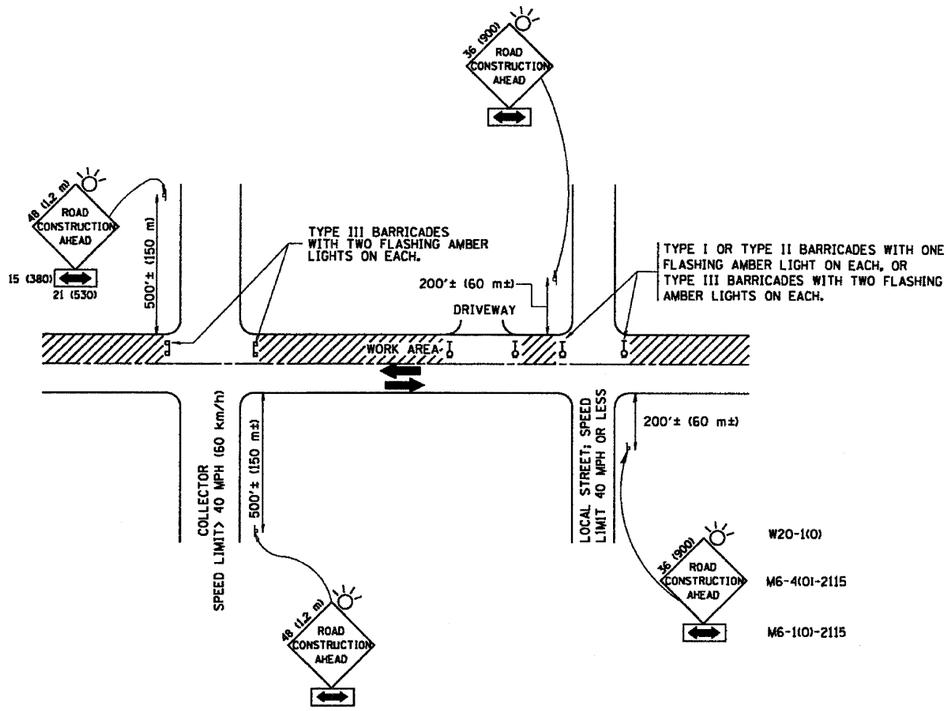
FILE NAME = W:\diststd\22x34\bd32.dgn	USER NAME = gaglionobt	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94
		DRAWN -	REVISED - A. ABBAS 03-21-97
	PLOT SCALE = 50.0000 '/ IN.	CHECKED -	REVISED - M. GOMEZ 04-06-01
	PLOT DATE = 1/4/2008	DATE - 06-13-90	REVISED - R. BORO 01-01-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND HMA TAPER DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	(535 B-6R & 536) RS-4	WILL	35	27
	BD400-05 BD32	CONTRACT NO. 60H62		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



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

NOTES:

A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS

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. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.

C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.

D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

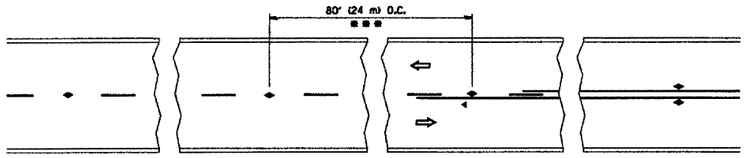
FILE NAME = W:\distatd\22x34\tc10.dgn	USER NAME = gaglenobt	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95
		DRAWN -	REVISED - A. HOUSEH 03-06-96
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLOT DATE = 1/4/2000	DATE - 06-89	REVISED -T. RAMMACHER 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

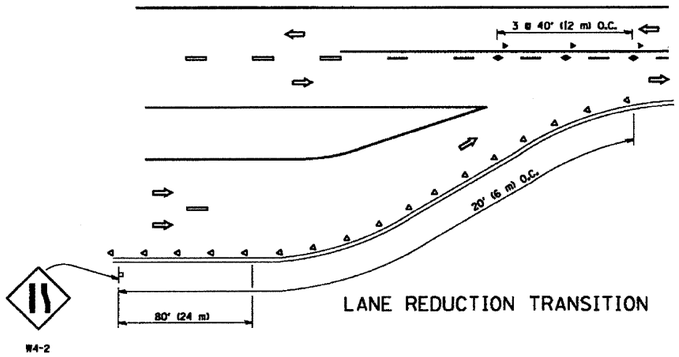
SCALE: NONE | SHEET NO. 1 OF 1 SHEETS | STA. | TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	(535 8-6R & 536) RS-4	WILL	35	28
	TC-10	CONTRACT NO. 60H62		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

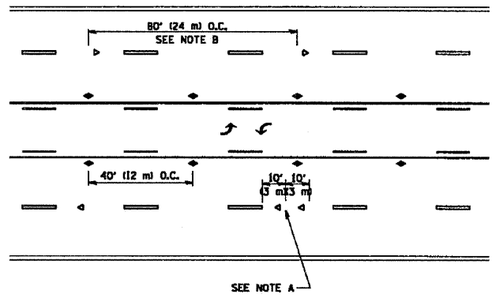


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

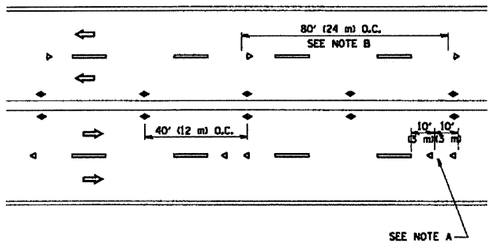
TWO-LANE/TWO-WAY



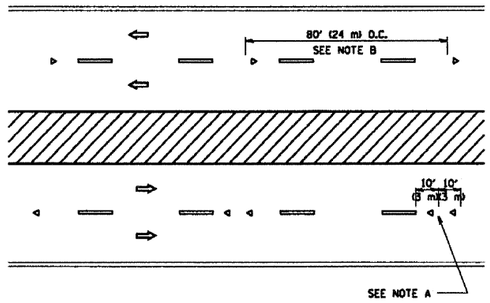
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

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

SYMBOLS

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

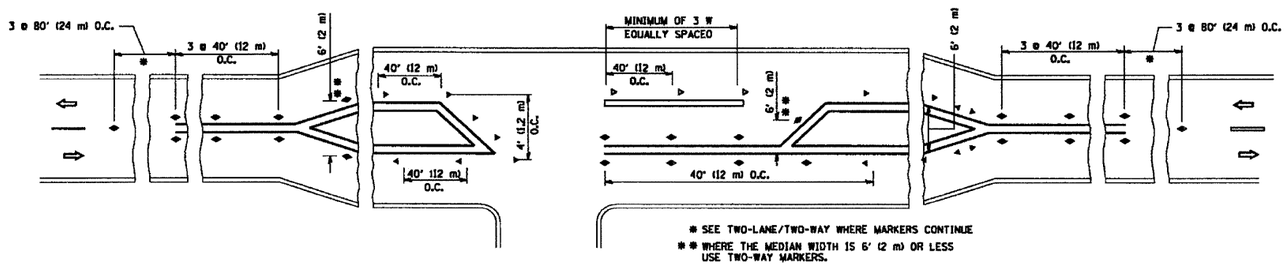
LANE MARKER NOTES

B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHOULD BE INCLUDED IN THE PLANS.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



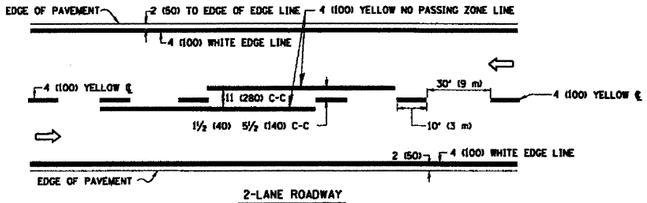
* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE

** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

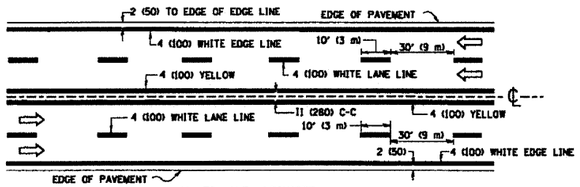
LEFT TURN

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

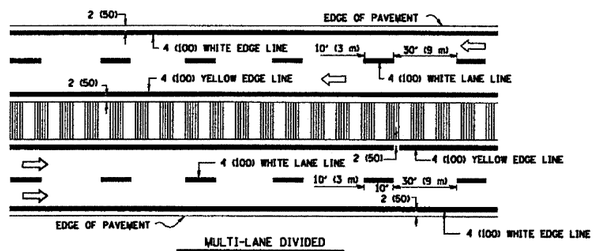
FILE NAME = W:\diststd\22x34\tc11.dgn	USER NAME = gaglionobt	DESIGNED -	REVISED - T. RAMMACHER 09-19-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - T. RAMMACHER 03-12-99			351	1535 B-6R & 5361 RS-4	WILL	35	29
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED - T. RAMMACHER 01-06-00				TC-11	CONTRACT NO. 60H62		
	PLOT DATE = 1/4/2000	DATE -	REVISED -		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.		FED. ROAD DIST. NO. (	ILLINOIS	FED. AID PROJECT	



2-LANE ROADWAY



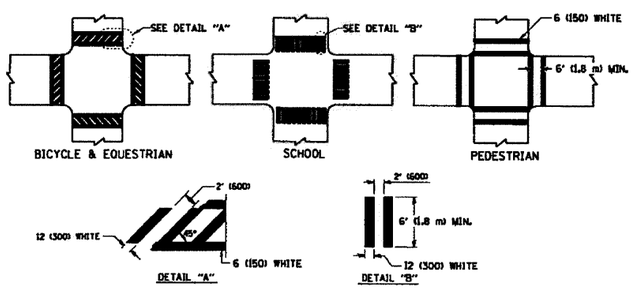
MULTI-LANE UNDIVIDED



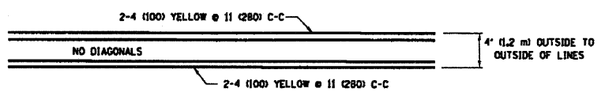
MULTI-LANE DIVIDED
WITH MOUNTABLE MEDIAN

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

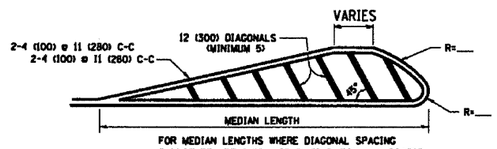
TYPICAL LANE AND EDGE LINE MARKING



TYPICAL CROSSWALK MARKING



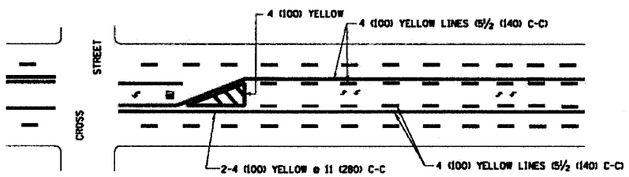
4' (1.2 m) WIDE MEDIANS ONLY



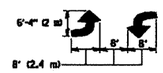
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

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

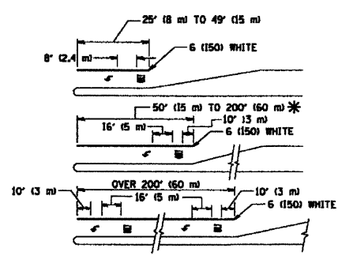


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

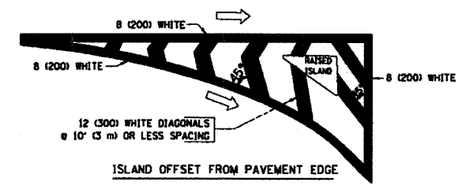


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

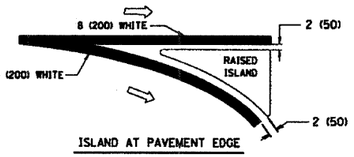
* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL 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 UNDIVEDED 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	5½ (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; 5½ (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' 16 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)) 30' 19 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" 15 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 m²) EACH "X"=54.0 SQ. FT. (5.0 m²)
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.

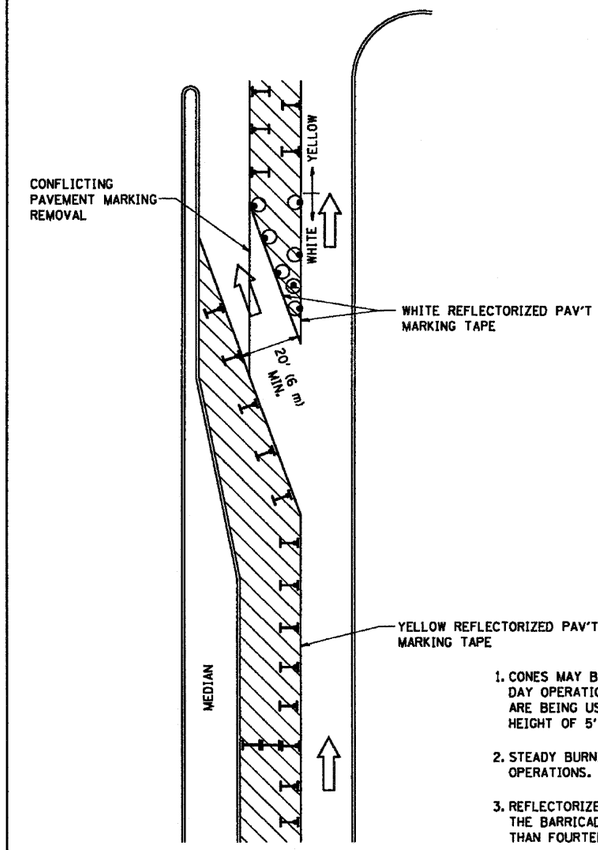
FILE NAME = W:\dist6td\22x34\tc13.dgn	USER NAME = gaglianobt	DESIGNED - EVERS	REVISED -T. RAMMACHER 10-27-94
		DRAWN -	REVISED -A. HOUSEH 10-09-96
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED -A. HOUSEH 10-17-96
	PLOT DATE = 1/4/2000	DATE - 03-19-90	REVISED -T. RAMMACHER 01-06-00

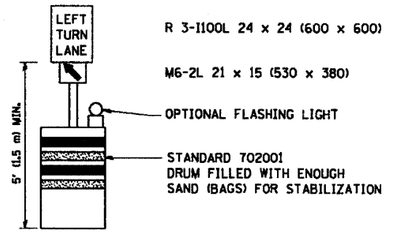
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	(1535 B-6R & 5361) RS-4	WILL	35	30
	TC-13	CONTRACT NO. 60H62		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		





GENERAL NOTES

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

LEGEND

WORK AREA

LANE OPEN TO TRAFFIC

TYPE I OR II BARRICADE WITH STEADY BURN LIGHT

DRUM WITH STEADY BURN LIGHT

DRUM WITH SIGN (WITH OPTIONAL FLASHING LIGHT) SEE DETAIL

TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

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

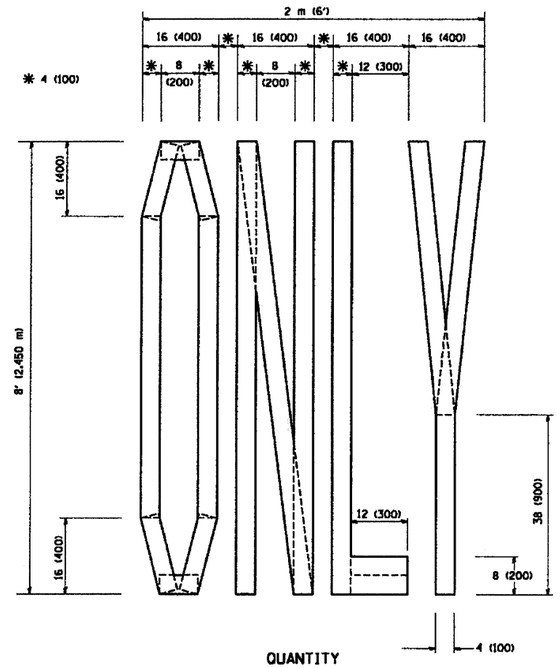
FILE NAME = W:\dststa\22x34\tc14.dgn	USER NAME = gegliomobt	DESIGNED -	REVISED -T. RAMMACHER 09-08-94
		DRAWN -	REVISED - A. HOUSEH 11-07-95
	PLOT SCALE = 50.0000 '/ IN.	CHECKED -	REVISED - A. HOUSEH 10-12-96
	PLOT DATE = 1/4/2000	DATE -	REVISED -T. RAMMACHER 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

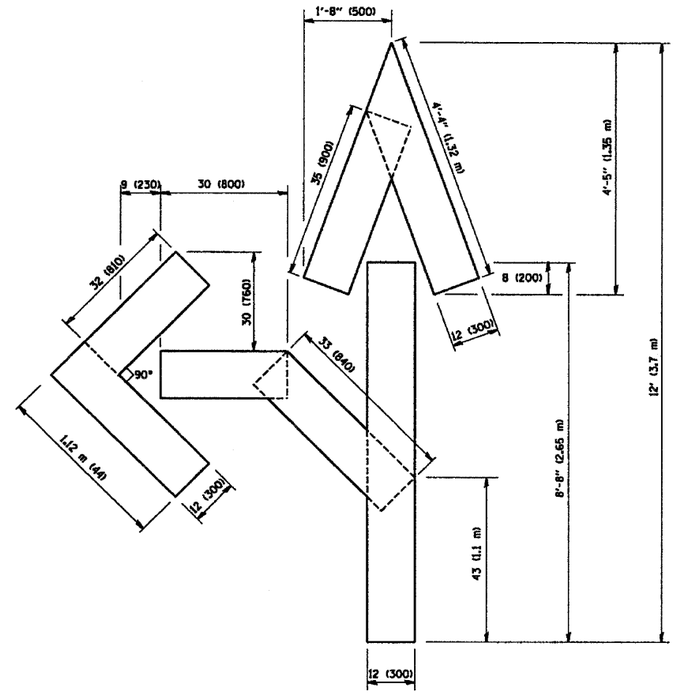
TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
(TO REMAIN OPEN TO TRAFFIC)

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

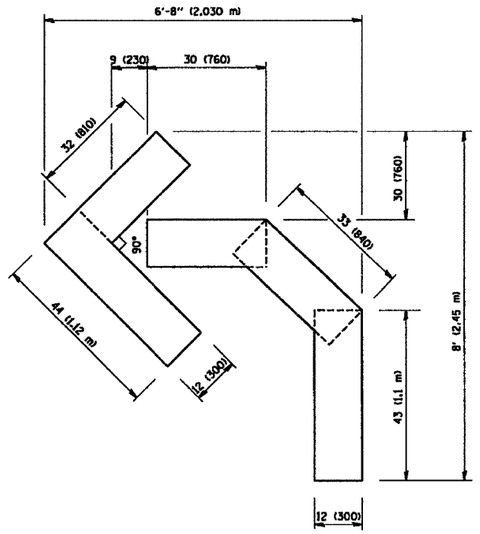
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	(535 B-6R & 536) RS-4	WILL	35	31
	TC-14	CONTRACT NO. 60H62		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



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



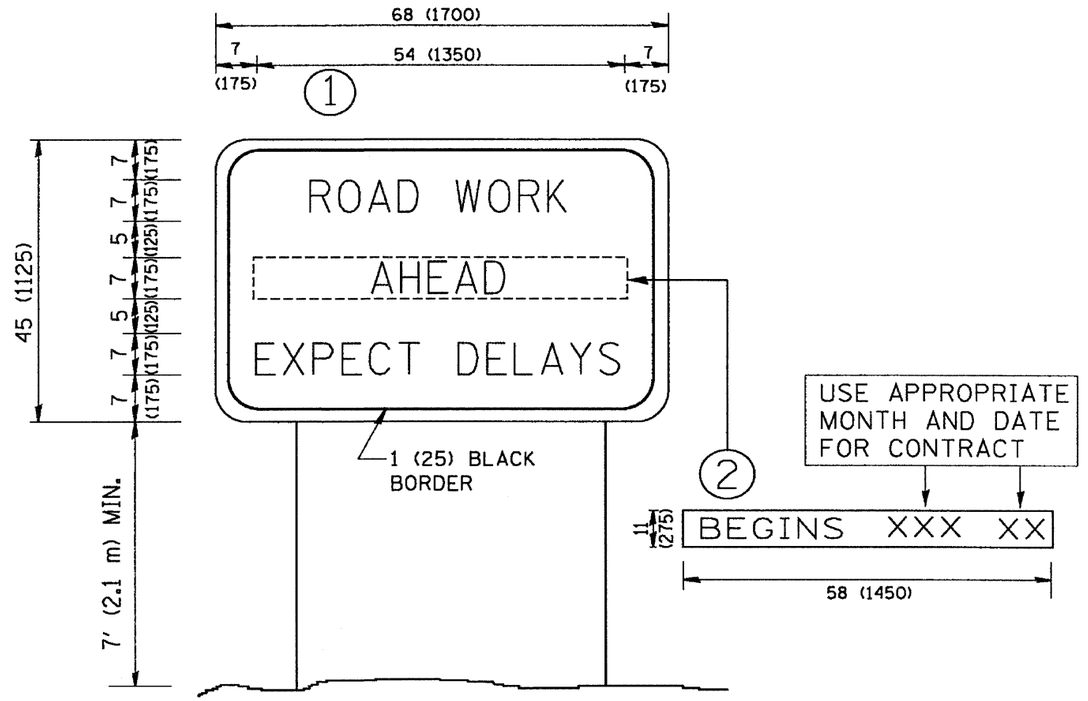
QUANTITY
4 (100) LINE = 82.5 ft. (25.3 m)
27.5 sq. ft. (2.53 sq. m)



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

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

FILE NAME = M:\diststd\22x34\tc16.dgn	USER NAME = gegliosbt	DESIGNED -	REVISED -T. RAMMACHER 06-05-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -T. RAMMACHER 11-04-97					351	(535 B-6R & 536) RS-4	WILL	35	32
	PLOT SCALE = 50.0000 '/ IN.	CHECKED -	REVISED -T. RAMMACHER 03-02-98						TC-16	CONTRACT NO. 60H62		
	PLOT DATE = 1/4/2008	DATE - 09-18-94	REVISED -E. GOMEZ 08-28-00		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.		FED. ROAD DIST. NO. ( ) ILLINOIS	FED. AID PROJECT		



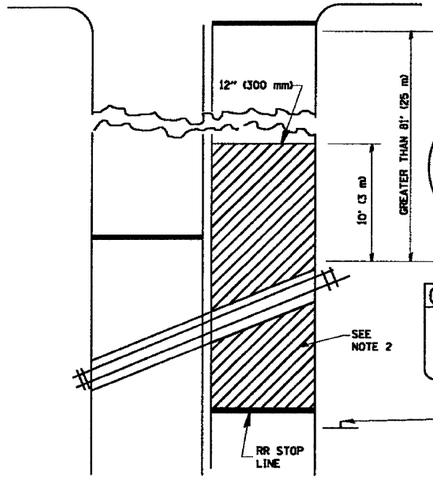
NOTES:

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

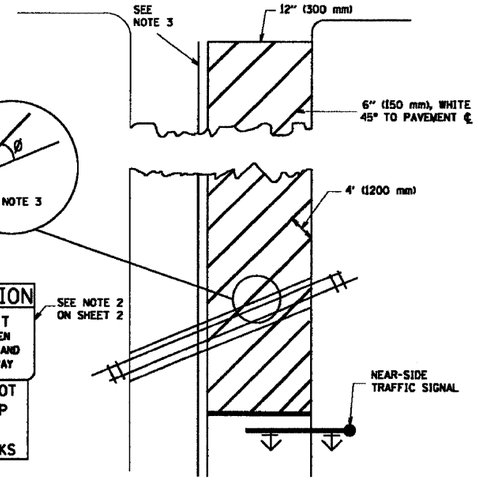
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = W:\distatd\22x34\tc22.dgn	USER NAME = gaglionabt	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - R. MIRS 12-11-97					351	(535 B-6R & 536) RS-4	WILL	35	33
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED -T. RAMMACHER 02-02-99						TC-22	CONTRACT NO. 60H62		
	PLOT DATE = 1/4/2008	DATE -	REVISED - C. JUCIUS 01-31-07		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

WITH INTERSECTION TRAFFIC SIGNALS



WITH NEAR-SIDE TRAFFIC SIGNALS

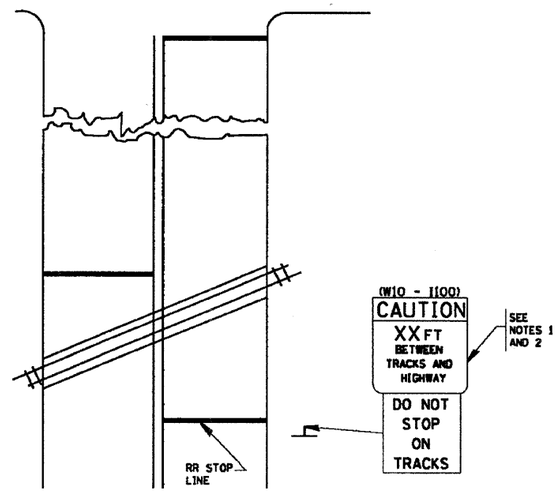


NOTES:

1. PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
2. WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED, THE PAVEMENT MARKINGS EXTENDS TO THE INTERSECTION.
3. WHERE THE ANGLE BETWEEN THE DIAGONAL STRIPES AND THE TRACK (ø) WOULD BE LESS THAN APPROXIMATELY 20°, THE STRIPES SHOULD BE SLOPED IN THE OPPOSITE DIRECTION FROM THAT SHOWN.

WITH NONSIGNALIZED INTERSECTION

81' (25 m) OR LESS TO CLOSEST RAIL



NOTE :

1. DISTANCE TO BE SHOWN ON SIGN MEASURED FROM A POINT 6 FEET (1.8 m) FROM THE RAIL CLOSEST TO THE INTERSECTION TO THE STOP LINE OR CROSSWALK, WHICHEVER IS CLOSEST, ROUNDED DOWN TO THE NEAREST 5 FEET (1.5 m). WHERE THERE IS NO STOP LINE, MEASURE TO POINT WHERE THE DRIVER HAS A VIEW OF APPROACHING TRAFFIC.
2. THE CLEARANCE SIGN IS ALSO TO BE USED AS AN INTERIM MEASURE AT LOCATIONS WITH INTERCONNECTED INTERSECTION TRAFFIC SIGNALS WHERE IT IS PLANNED TO CHANGE THEM TO NEAR-SIDE SIGNALS AT A FUTURE TIME. IN THIS CASE, THE DISTANCE TO BE SHOWN ON THE SIGN IS MEASURED FROM THE EDGE OF THE STRIPED-OUT AREA INSTEAD OF 6-FEET FROM THE RAIL. THE SIGN IS TO BE REMOVED WHEN THE NEAR-SIDE SIGNALS ARE INSTALLED AND THE PAVEMENT MARKINGS EXTEND TO THE INTERSECTION.

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

FILE NAME = W:\dststd\22x34\to23.dgn	USER NAME = gaglianobt	DESIGNED -	REVISED - 01-01-07
		DRAWN -	REVISED -
	PLOT SCALE = 50.000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/4/2008	DATE -	REVISED -

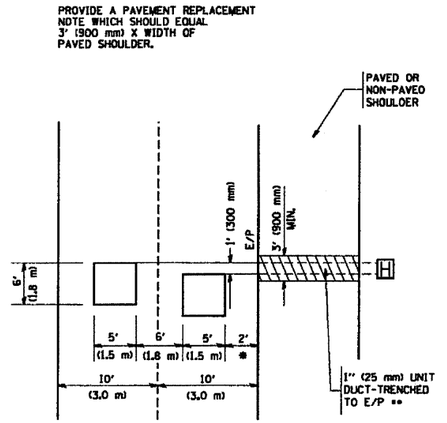
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING TREATMENT FOR RAILROAD CROSSINGS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	(535 B-6R & 536) RS-4	WILL	35	34
	TC-23	CONTRACT NO. 60H62		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

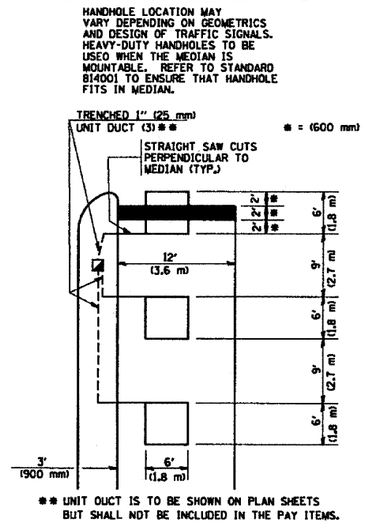
LOOPS NEXT TO SHOULDERS



* = (600 mm)

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

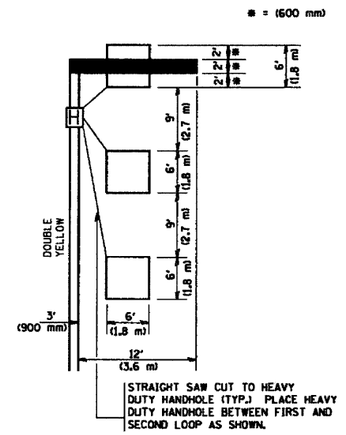
LEFT TURN LANES WITH MEDIANS
VOLUME DENSITY ("FAR OUT" DETECTION) ON SAME APPROACH
(PROTECTED / PERMITTED LEFT TURN PHASING)



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

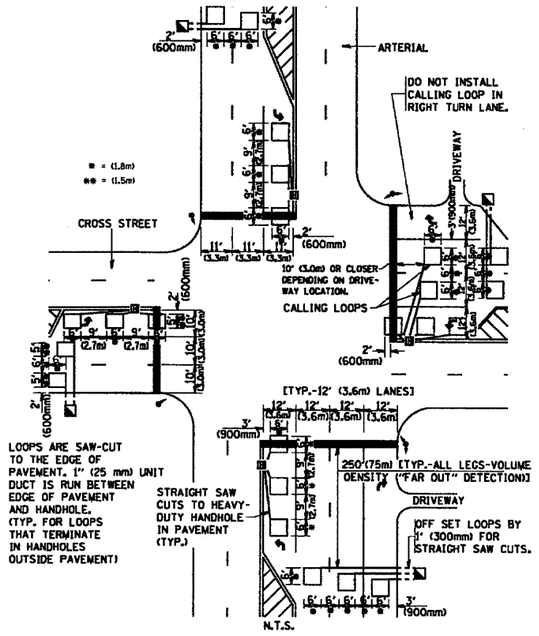
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

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



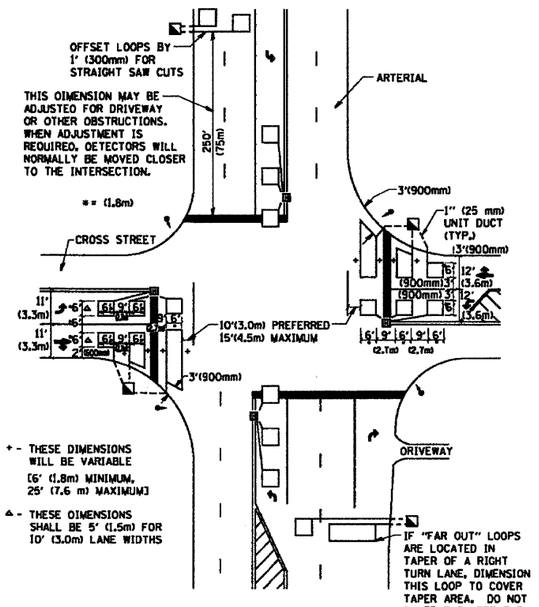
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

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 SEPARATLY. 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.

FILE NAME = W:\diststd\22x34\ts07.dgn	USER NAME = gogliamobt	DESIGNED -	REVISED -
		DRAWN -	REVISED -
	PLOT SCALE = 50.0000 ' / IN.	CHECKED - R.K.F.	REVISED -
	PLOT DATE = 1/4/2008	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT 1 - DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	(535 B-6R & 536) RS-4	WILL	35	35
	TS-07	CONTRACT NO. 60H62		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		