

C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
92	2002-014 RS	COOK	26	1
FED. ROAD DIST. NO. 1		ILLINOIS	CONTRACT NO. 62381	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

CH 92 (FOREST WAY DRIVE)
SECTION: 2002-014 RS
WILLOW ROAD TO DUNDEE ROAD
RESURFACING (3P)

FOR INDEX OF SHEETS, SEE SHEET NO. 2

DESIGN DESIGNATION:
SPEED LIMIT : 30 M.P.H. AND 40 M.P.H.
2007 ADT = 2,350

PROJECT IS LOCATED IN THE
VILLAGE OF GLENCOE AND THE
VILLAGE OF WINNETKA

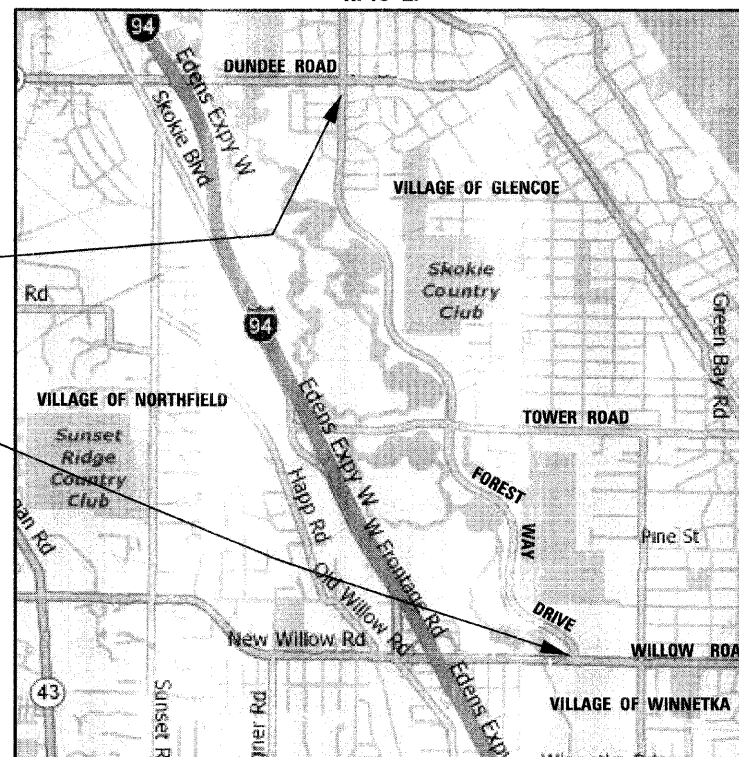
D-91-031-02



LOCATION OF SECTION INDICATED THIS: - [Symbol] -

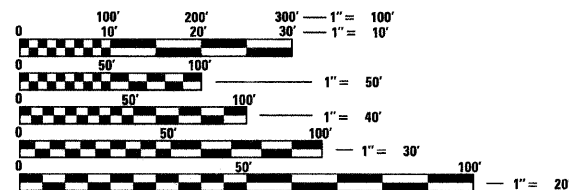
COOK COUNTY
C-91-031-02

NEW TRIER TOWNSHIP
R. 13 E.



PROJECT ENDS
STA. 156 + 78

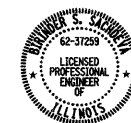
PROJECT BEGINS
STA. 4 + 45



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 LOCATING INFORMATION FOR EXCAVATORS
1-800-892-0123
OR 811

GROSS LENGTH OF PROJECT = 15,233 FEET = 2.885 MILES
NET LENGTH OF PROJECT = 15,233 FEET = 2.885 MILES



Birinder S. Sachdeva
BIRINDER S. SACHDEVA, P.E.
EXPIRES: 11-30-2009
March 23, 2009
DATE

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

DISTRICT ONE - PLAN PREP ENGINEER: KEN ENG (847) 705-4247

CHRISTIAN-ROGE & ASSOCIATES, INC.
ENGINEERS - PLANNERS - SURVEYORS
211 W. WACKER DRIVE CHICAGO, IL. 60606
TELEPHONE: 312-372-2023

CONTRACT NO. 62381

INDEX OF SHEETS

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20	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
21	BUTT JOINT AND HMA TAPER DETAILS
22	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
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25	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
26	ARTERIAL ROAD INFORMATION SIGN

LIST OF STATE STANDARDS

STANDARD NO.	DESCRIPTION
000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
442201-03	CLASS C AND D PATCHES
482011-03	HMA SHOULDER STRIPS/SHOULDERS WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
604001-03	FRAME AND LIDS, TYPE 1
604026-02	FRAME AND GRATE, TYPE 6
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701301-03	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701501-05	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701901-01	TRAFFIC CONTROL DEVICES
780001-02	TYPICAL PAVEMENT MARKINGS

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 FOOT TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER ITEMS OF WORK TO EXISTING CURBS AND GUTTERS AND CONDITIONS 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 AND THE VILLAGES OF WINNETKA AND GLENCOE.
4. 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.
5. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
6. SAW CUTTING PRIOR TO ANY REMOVAL ITEMS NOTED ON THE PLANS OR DIRECTED BY THE ENGINEER SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ITEMS BEING REMOVED.
7. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.
8. THE CONTRACTOR SHALL USE CARE IN REMOVING OR EXCAVATING NEAR ALL EXISTING ITEMS WHICH WILL REMAIN. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
9. WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC, THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1 1/2 INCHES (40mm) WHERE THE SPEED LIMIT IS 40 MPH OR LESS AND 1 INCH WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH. WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 3 INCHES MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H).
10. UNLESS OTHER CONDITIONS WARRANT EXTENDED LANE CLOSURE AS DETERMINED AND APPROVED IN WRITING BY THE ENGINEER OR AS PROVIDED FOR IN THE CONTRACT SPECIFICATIONS, OVERNIGHT CLOSURES SHALL NOT BE ALLOWED FOR REHABILITATION PROJECTS INVOLVING DAYTIME MILLING AND RESURFACING OPERATIONS AND CLASS D PATCHING.
11. PAVEMENT MARKING TAPE, TYPE III SHALL BE USED FOR SHORT TERM PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKINGS ON ALL FINAL SURFACES. THE COST OF THE PAVEMENT MARKING TAPE TYPE III SHALL BE INCLUDED IN THE COST OF SHORT TERM PAVEMENT MARKINGS AND TEMPORARY PAVEMENT MARKINGS.
12. THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS PRIOR TO THE PLACEMENT OF ANY TEMPORARY TRAFFIC CONTROL DEVICES.
13. THE RESIDENT ENGINEER SHALL CONTACT MR. WALTER CZARNY, THE AREA TRAFFIC FIELD ENGINEER, AT (773) 685-8386 AT LEAST TWO (2) WEEKS PRIOR TO THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
14. BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND HMA TAPER DETAILS" INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
15. MATCH EXISTING PAVEMENT MARKINGS AT THE PROJECT AND OMISSION LIMITS.
16. ALL DAMAGE TO EXISTING PAVEMENT MARKINGS OUTSIDE THE REMOVAL LINE SHOWN ON THE PLANS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
17. PAY ITEM 55039700 - STORM SEWERS TO BE CLEANED - SHALL ONLY BE UTILIZED TO CLEAN STORM SEWER LATERAL PIPES BETWEEN INLETS OR CATCH BASINS AND THE MAIN SEWER.

FILE NAME = D162381-sht-gennote.dwg
PLOT DATE = 4/3/2009



CHRISTIAN-ROGE & ASSOCIATES, INC.
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211 WEST WACKER DRIVE
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DESIGNED -	G.F.L.	REVISED -	
DRAWN -	B.K.	REVISED -	
CHECKED -	M.P.	REVISED -	
DATE -	MARCH 2009	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, LIST OF STATE STANDARDS AND GENERAL NOTES
FOREST WAY DRIVE

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. 4+45 TO STA. 156+78

C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
92	2002-014 RS	COOK	26	2
CONTRACT NO. 62381				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES			URBAN 100% STATE	CONSTRUCTION TYPE CODE
CODE NO.	ITEM	UNIT	TOTAL QUANTITIES	I000 URBAN
20201006	GRADING AND SHAPING SHOULDERS	UNIT	150	150
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	26	26
40600300	AGGREGATE (PRIME COAT)	TON	147	147
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	30	30
40600895	CONSTRUCTING TEST STRIP	EACH	2	2
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	384	384
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	3,305	3,305
42001300	PROTECTIVE COAT	SQ YD	20	20
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	75	75
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	5,226	5,226
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	34,119	34,119
44000600	SIDEWALK REMOVAL	SQ FT	75	75
44001700	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	50	50
44201785	CLASS D PATCHES, TYPE I, 12 INCH	SQ YD	50	50
44201789	CLASS D PATCHES, TYPE II, 12 INCH	SQ YD	260	260
44201794	CLASS D PATCHES, TYPE III, 12 INCH	SQ YD	50	50
44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SQ YD	50	50
44201798	CLASS D PATCHES, TYPE I, 13 INCH	SQ YD	50	50
44201803	CLASS D PATCHES, TYPE II, 13 INCH	SQ YD	720	720
44201807	CLASS D PATCHES, TYPE III, 13 INCH	SQ YD	425	425
44201809	CLASS D PATCHES, TYPE IV, 13 INCH	SQ YD	370	370
48101200	AGGREGATE SHOULDERS, TYPE B	TON	366	366
55039700	STORM SEWERS TO BE CLEANED	FOOT	180	180
60252800	CATCH BASINS TO BE RECONSTRUCTED	EACH	1	1

SUMMARY OF QUANTITIES			URBAN 100% STATE	CONSTRUCTION TYPE CODE
CODE NO.	ITEM	UNIT	TOTAL QUANTITIES	I000 URBAN
60257900	MANHOLES TO BE RECONSTRUCTED	EACH	1	1
60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	2	2
60300310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	7	7
60404500	FRAMES AND GRATES, TYPE 6	EACH	1	1
60406000	FRAMES AND LIDS, TYPE 1, OPEN LID	EACH	2	2
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
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	11,000	11,000
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	47,211	47,211
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	87	87
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	68	68
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	58	58
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1,600	1,600
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	47,211	47,211
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	87	87
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	68	68
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	58	58
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	581	581
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	581	581
X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	52	52
X4067107	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	TON	1,513	1,513
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	33	33

* SPECIALTY ITEM

FILE NAME = D162381-ahc-500.dgn
PLOT DATE = 4/1/2009

CR & A
CHRISTIAN-ROGE & ASSOCIATES, INC.
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211 WEST WACKER DRIVE
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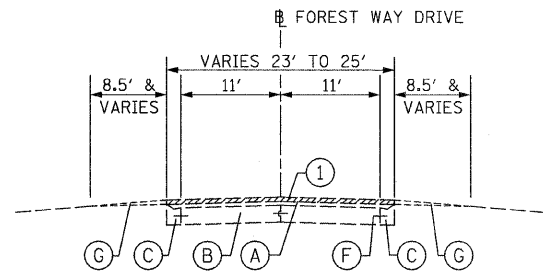
DESIGNED -	G.F.L.	REVISED -	
DRAWN -	B.K.	REVISED -	
CHECKED -	E.J.M.	REVISED -	
DATE -	MARCH 2009	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
FOREST WAY DRIVE

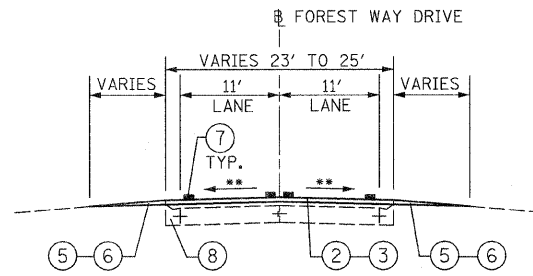
SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. 4+45 TO STA. 156+78

C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
92	2002-014 RS	COOK	26	3
			CONTRACT NO. 62381	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



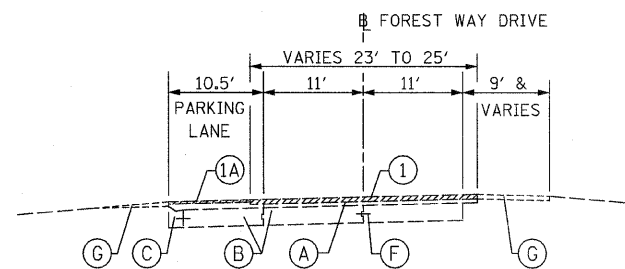
EXISTING TYPICAL SECTION

STA. 4+45 TO STA. 11+07
 STA. 14+30 TO STA. 22+15
 STA. 25+76 TO STA. 27+86
 STA. 32+35 TO STA. 38+15
 STA. 41+75 TO STA. 43+65
 STA. 47+25 TO STA. 58+58
 STA. 65+57 TO STA. 69+53



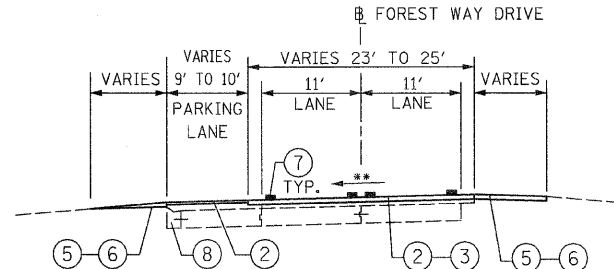
PROPOSED TYPICAL SECTION

STA. 4+45 TO STA. 11+07
 STA. 14+30 TO STA. 22+15
 STA. 25+76 TO STA. 27+86
 STA. 32+35 TO STA. 38+15
 STA. 41+75 TO STA. 43+65
 STA. 47+25 TO STA. 58+58
 STA. 65+57 TO STA. 69+53



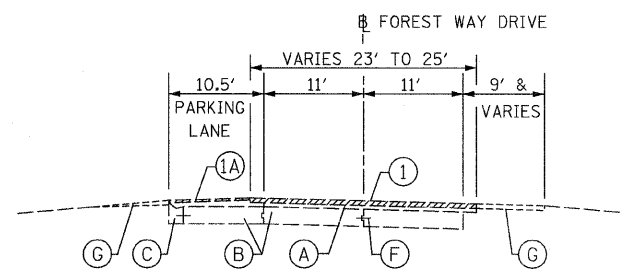
EXISTING TYPICAL SECTION

STA. 11+07 TO STA. 14+30
 STA. 38+15 TO STA. 41+75
 STA. 43+65 TO STA. 47+25



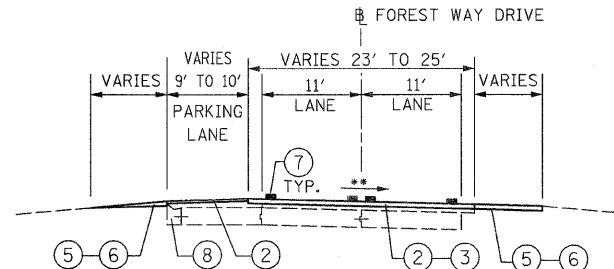
PROPOSED TYPICAL SECTION

STA. 11+07 TO STA. 14+30
 STA. 38+15 TO STA. 41+75
 STA. 43+65 TO STA. 47+25



EXISTING TYPICAL SECTION

STA. 22+15 TO STA. 25+76
 STA. 27+86 TO STA. 32+35
 STA. 58+58 TO STA. 65+57



PROPOSED TYPICAL SECTION

STA. 22+15 TO STA. 25+76
 STA. 27+86 TO STA. 32+35
 STA. 58+58 TO STA. 65+57

EXISTING CONDITIONS

- (A) HOT-MIX ASPHALT SURFACE AND BINDER COURSE, VARIES 5" TO 7 1/4"
- (B) P.C.C. PAVEMENT, 8" & VARIES
- (B1) P.C.C. BASE COURSE, 7" & VARIES
- (C) COMBINATION CONCRETE CURB & GUTTER (LOCATIONS VARY)
- (D) SUBBASE GRANULAR MATERIAL, 3"
- (E) AGGREGATE BASE COURSE, 10"
- (F) TIE BARS
- (G) AGGREGATE OR EARTH SHOULDER

PROPOSED IMPROVEMENTS

- (1) HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- (1A) HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
- (2) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
- (3) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- (4) COMB. CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT (AS DETERMINED BY THE ENGINEER)
- (5) AGGREGATE SHOULDERS, TYPE B (SEE NOTE NO. 2)
- (6) GRADING AND SHAPING SHOULDERS (SEE NOTE NO. 2)
- (7) PAVEMENT MARKING
- (8) COMB. CONCRETE CURB AND GUTTER REMOVAL (SEE NOTE NO. 3)

NOTES:

1. THE CONTRACTOR SHALL MILL FIRST BEFORE PATCHING.
2. THE PAY ITEM "GRADING AND SHAPING SHOULDERS" AND "AGGREGATE SHOULDERS, TYPE B" SHALL BE USED AT LOCATIONS WHERE THERE IS VERTICAL ELEVATION DIFFERENCE BETWEEN EDGE OF PAVEMENT AND TOP OF EXISTING SHOULDER. THE WIDTH AND LOCATION OF THE SHOULDER RESTORATION SHALL BE AS DETERMINED IN THE FIELD BY THE ENGINEER. ESTIMATED QUANTITIES FOR BOTH ITEMS HAVE BEEN INCLUDED IN THE PLANS.
3. FOR STATION 4+45 TO STATION 69+50 REMOVAL OF THIS COMBINATION CURB AND GUTTER ADJACENT TO CLASS "D" PATCHES SHALL BE CONSIDERED A PART OF AND PAID FOR AS CLASS "D" PATCHES. NO COMBINATION CONCRETE CURB AND GUTTER REPLACEMENT SHALL BE REQUIRED IN THESE AREAS.

** MATCH EXISTING CROSS SLOPE.

ROADWAY NAME	HOT-MIX ASPHALT MIXTURE REQUIREMENTS		
	MIXTURE TYPE	AC TYPE	AIR VOIDS
FOREST WAY DRIVE	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL 9.5 mm)	PG 64-22	4% @ 70 GYR.
	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50	SBS/SBR PG 76-28/-22	4% @ 50 GYR.
	CLASS D PATCHES (HMA BINDER IL-19 mm)	* PG 64-22	4% @ 70 GYR.

* WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22.
 THE UNIT WEIGHT USED TO CALCULATE ALL HMA MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

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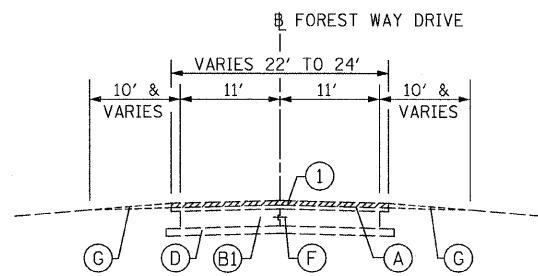


DESIGNED - G.F.L.	REVISED -
DRAWN - J.V.	REVISED -
CHECKED - D.L.	REVISED -
DATE - MARCH 2009	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

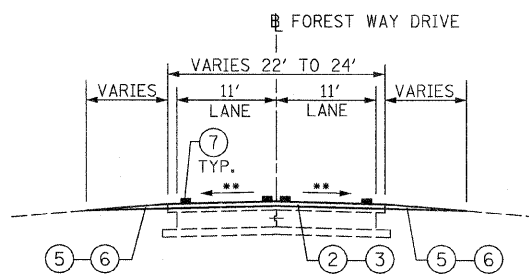
TYPICAL SECTIONS FOREST WAY DRIVE	
SCALE: NONE	SHEET NO. 1 OF 2 SHEETS STA. VARIOUS TO STA. VARIOUS

C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
92	2002-014 RS	COOK	26	4
CONTRACT NO. 62381				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



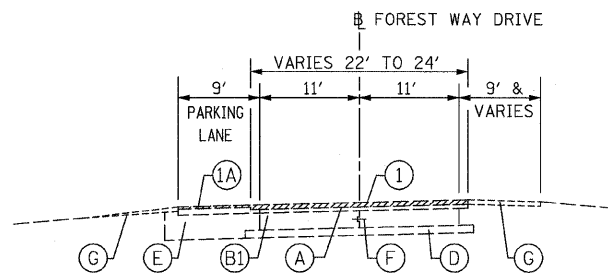
EXISTING TYPICAL SECTION

STA. 70+49 TO STA. 74+85
 STA. 81+09 TO STA. 86+37
 STA. 87+29 TO STA. 92+75
 STA. 102+50 TO STA. 104+80
 STA. 107+55 TO STA. 110+35
 STA. 115+95 TO STA. 122+37
 STA. 127+75 TO STA. 152+63



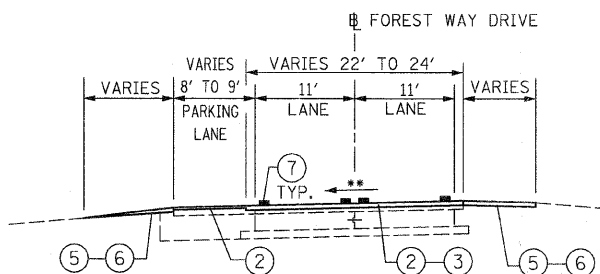
PROPOSED TYPICAL SECTION

STA. 70+49 TO STA. 74+85
 STA. 81+09 TO STA. 86+37***
 STA. 87+29 TO STA. 92+75***
 STA. 102+50 TO STA. 104+80***
 STA. 107+55 TO STA. 110+35***
 STA. 115+95 TO STA. 122+37***
 STA. 127+75 TO STA. 152+63



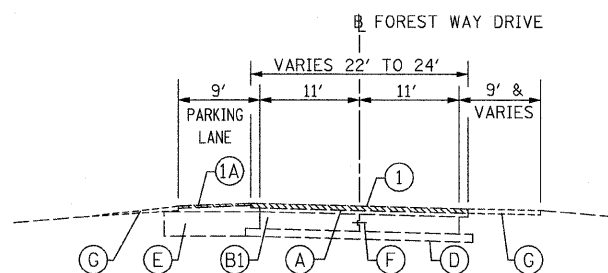
EXISTING TYPICAL SECTION

STA. 74+85 TO STA. 81+09
 STA. 86+37 TO STA. 87+29
 STA. 110+35 TO STA. 115+95



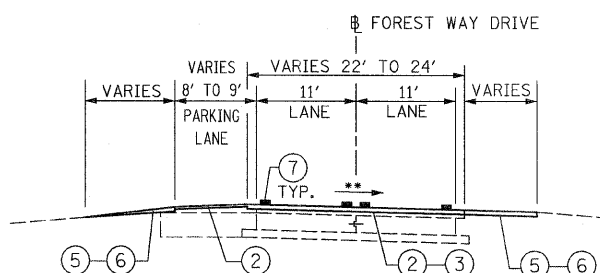
PROPOSED TYPICAL SECTION

STA. 74+85 TO STA. 81+09***
 STA. 86+37 TO STA. 87+29***
 STA. 110+35 TO STA. 115+95***



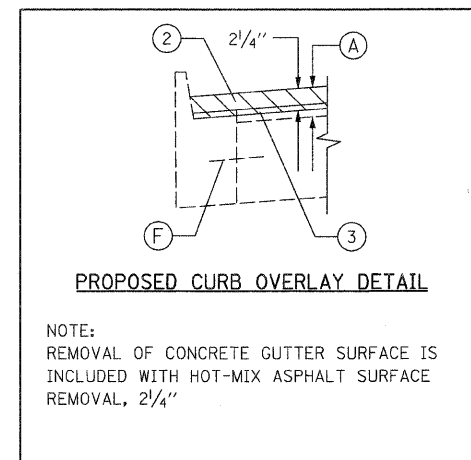
EXISTING TYPICAL SECTION

STA. 92+75 TO STA. 102+50
 STA. 104+80 TO STA. 107+55
 STA. 122+37 TO STA. 127+75



PROPOSED TYPICAL SECTION

STA. 92+75 TO STA. 102+50***
 STA. 104+80 TO STA. 107+55***
 STA. 122+37 TO STA. 127+75***



PROPOSED CURB OVERLAY DETAIL

NOTE:
 REMOVAL OF CONCRETE GUTTER SURFACE IS INCLUDED WITH HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"

EXISTING CONDITIONS

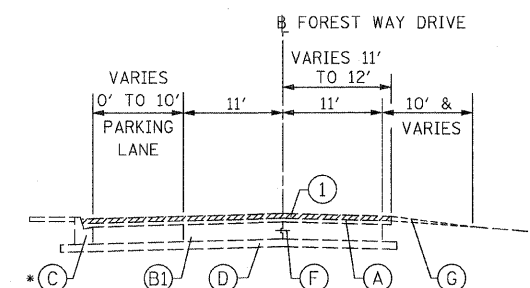
- (A) HOT-MIX ASPHALT SURFACE AND BINDER COURSE, VARIES 5" TO 7 1/4"
- (B) P.C.C. PAVEMENT, 8" & VARIES
- (B1) P.C.C. BASE COURSE, 7" & VARIES
- (C) COMBINATION CONCRETE CURB & GUTTER (LOCATIONS VARY)
- (D) SUBBASE GRANULAR MATERIAL, 3"
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- (F) TIE BARS
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PROPOSED IMPROVEMENTS

- (1) HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"
- (1A) HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"
- (2) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70, 1 1/2"
- (3) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"
- (4) COMB. CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT (AS DETERMINED BY THE ENGINEER)
- (5) AGGREGATE SHOULDERS, TYPE B (SEE NOTE NO. 2)
- (6) GRADING AND SHAPING SHOULDERS (SEE NOTE NO. 2)
- (7) PAVEMENT MARKING
- (8) COMB. CONCRETE CURB AND GUTTER REMOVAL (SEE NOTE NO. 3)

NOTES:

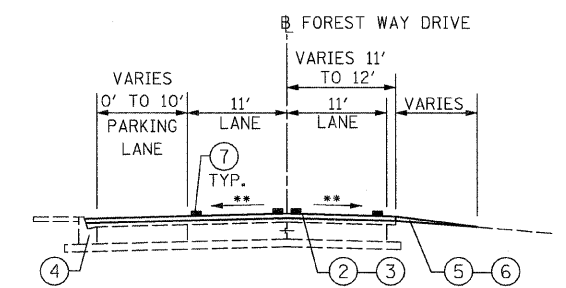
1. THE CONTRACTOR SHALL MILL FIRST BEFORE PATCHING.
 2. THE PAY ITEM "GRADING AND SHAPING SHOULDERS" AND "AGGREGATE SHOULDERS, TYPE B" SHALL BE USED AT LOCATIONS WHERE THERE IS VERTICAL ELEVATION DIFFERENCE BETWEEN EDGE OF PAVEMENT AND TOP OF EXISTING SHOULDER. THE WIDTH AND LOCATION OF THE SHOULDER RESTORATION SHALL BE AS DETERMINED IN THE FIELD BY THE ENGINEER. ESTIMATED QUANTITIES FOR BOTH ITEMS HAVE BEEN INCLUDED IN THE PLANS.
 3. FOR STATION 4+45 TO STATION 69+50 REMOVAL OF THIS COMBINATION CURB AND GUTTER ADJACENT TO CLASS "D" PATCHES SHALL BE CONSIDERED A PART OF AND PAID FOR AS CLASS "D" PATCHES. NO COMBINATION CONCRETE CURB AND GUTTER REPLACEMENT SHALL BE REQUIRED IN THESE AREAS.
- ** MATCH EXISTING CROSS SLOPE.
 *** SEE ROADWAY PLAN SHEETS FOR LOCATIONS OF EXISTING HOT-MIX ASPHALT SURFACE TO REMAIN.



EXISTING TYPICAL SECTION

STA. 152+63 TO STA. 156+78

* SEE PROPOSED CURB OVERLAY DETAIL



PROPOSED TYPICAL SECTION

STA. 152+63 TO STA. 156+78

FILE NAME = D162381-sht-typ10a1.dgn
 PLOT DATE = 4/1/2009

CHRISTIAN-ROGE & ASSOCIATES, INC.
 ENGINEERS-PLANNERS-SURVEYORS
 211 WEST WACKER DRIVE
 CHICAGO, ILLINOIS 60606
 PHONE: (312)372-2023 FAX: (312)372-3274

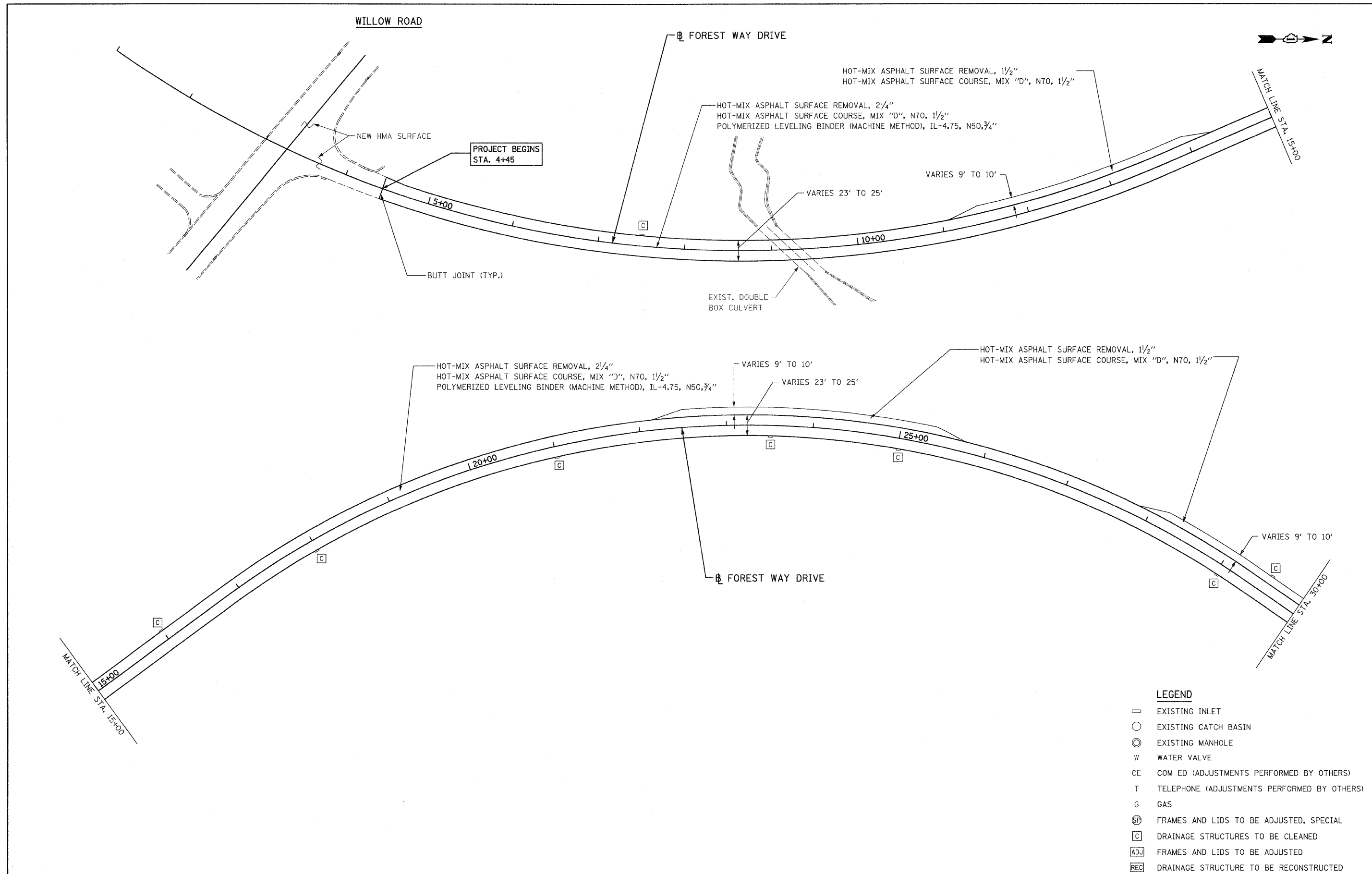
DESIGNED - G.F.L.
 DRAWN - J.V.
 CHECKED - D.L.
 DATE - MARCH 2009

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**TYPICAL SECTIONS
 FOREST WAY DRIVE**
 SCALE: NONE SHEET NO. 2 OF 2 SHEETS STA. VARIOUS TO STA. VARIOUS

C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
92	2002-014 RS	COOK	26	5
CONTRACT NO. 62381				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				



- LEGEND**
- EXISTING INLET
 - EXISTING CATCH BASIN
 - ⊙ EXISTING MANHOLE
 - W WATER VALVE
 - CE COM ED (ADJUSTMENTS PERFORMED BY OTHERS)
 - T TELEPHONE (ADJUSTMENTS PERFORMED BY OTHERS)
 - G GAS
 - ⊕ FRAMES AND LIDS TO BE ADJUSTED, SPECIAL
 - ⊞ DRAINAGE STRUCTURES TO BE CLEANED
 - ⊞ ADJ FRAMES AND LIDS TO BE ADJUSTED
 - ⊞ REC DRAINAGE STRUCTURE TO BE RECONSTRUCTED

FILE NAME = D162381-sht-plan01.dgn
 PLOT DATE = 4/1/2009

CHRISTIAN-ROGE & ASSOCIATES, INC.
 ENGINEERS-PLANNERS-SURVEYORS
 211 WEST WACKER DRIVE
 CHICAGO, ILLINOIS 60606
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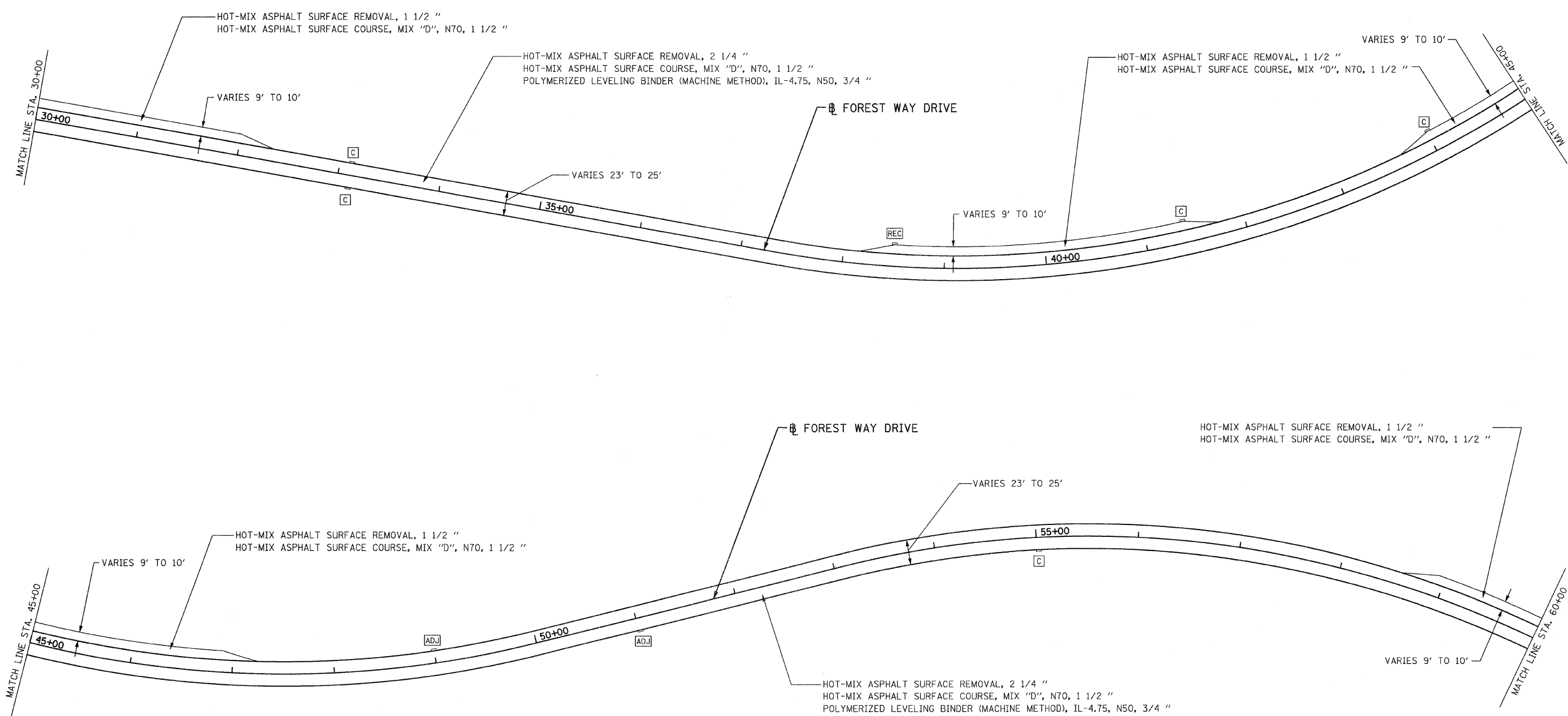
DESIGNED - G.F.L.	REVISED -
DRAWN - J.V.	REVISED -
CHECKED - M.P.	REVISED -
DATE - MARCH 2009	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
 FOREST WAY DRIVE**

SCALE: 1" = 50' SHEET NO. 1 OF 6 SHEETS STA. 4+45 TO STA. 30+00

C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
92	2002-014 RS	COOK	26	6
CONTRACT NO. 62381				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



LEGEND

- ☐ EXISTING INLET
- EXISTING CATCH BASIN
- ⊙ EXISTING MANHOLE
- W WATER VALVE
- CE COM ED (ADJUSTMENTS PERFORMED BY OTHERS)
- T TELEPHONE (ADJUSTMENTS PERFORMED BY OTHERS)
- G GAS
- ⊕ FRAMES AND LIDS TO BE ADJUSTED, SPECIAL
- ⓐ DRAINAGE STRUCTURES TO BE CLEANED
- Ⓜ FRAMES AND LIDS TO BE ADJUSTED
- Ⓡ DRAINAGE STRUCTURE TO BE RECONSTRUCTED

FILE NAME = D162381-sht-plan02.dgn
 PLOT DATE = 4/1/2009

CHRISTIAN-ROGE & ASSOCIATES, INC.
 ENGINEERS-PLANNERS-SURVEYORS
 211 WEST WACKER DRIVE
 CHICAGO, ILLINOIS 60606
 PHONE: (312)372-2023 FAX: (312)372-5274

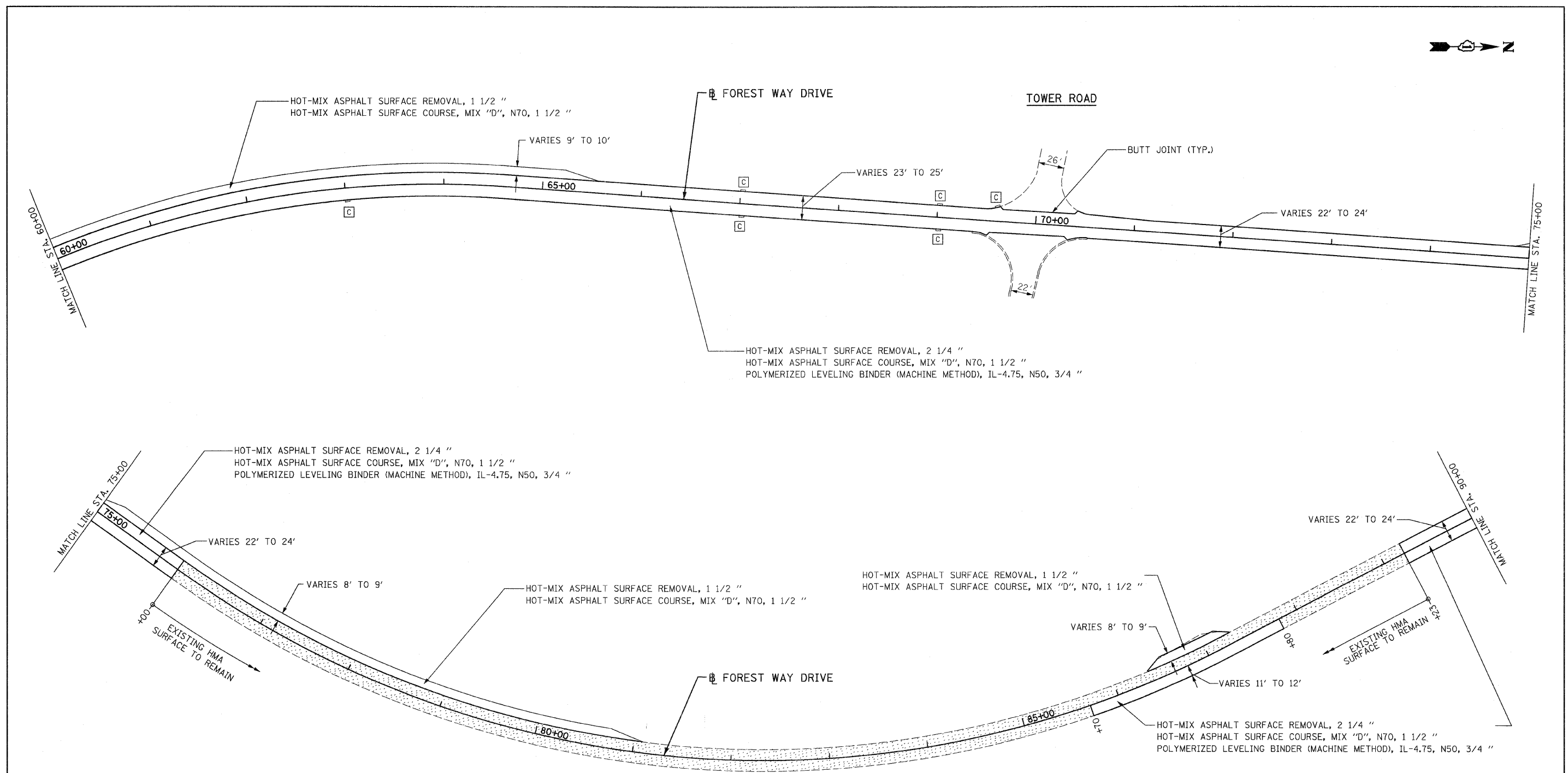
DESIGNED - G.F.L.	REVISED -
DRAWN - J.V.	REVISED -
CHECKED - M.P.	REVISED -
DATE - MARCH 2009	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
 FOREST WAY DRIVE**

SCALE: 1" = 50' SHEET NO. 2 OF 6 SHEETS STA. 30+00 TO STA. 60+00

C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
92	2002-014 RS	COOK	26	7
CONTRACT NO. 62381				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



- LEGEND**
- EXISTING INLET
 - EXISTING CATCH BASIN
 - ⊙ EXISTING MANHOLE
 - W WATER VALVE
 - CE COM ED (ADJUSTMENTS PERFORMED BY OTHERS)
 - T TELEPHONE (ADJUSTMENTS PERFORMED BY OTHERS)
 - G GAS
 - ⊕ FRAMES AND LIDS TO BE ADJUSTED, SPECIAL
 - ⊓ DRAINAGE STRUCTURES TO BE CLEANED
 - ADJ FRAMES AND LIDS TO BE ADJUSTED
 - REC DRAINAGE STRUCTURE TO BE RECONSTRUCTED

FILE NAME = D162381-ahp-plan03.dgn
 PLOT DATE = 4/1/2009

CHRISTIAN-ROGE & ASSOCIATES, INC.
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 211 WEST WACKER DRIVE
 CHICAGO, ILLINOIS 60606
 PHONE: (312)372-2023 FAX: (312)372-5274

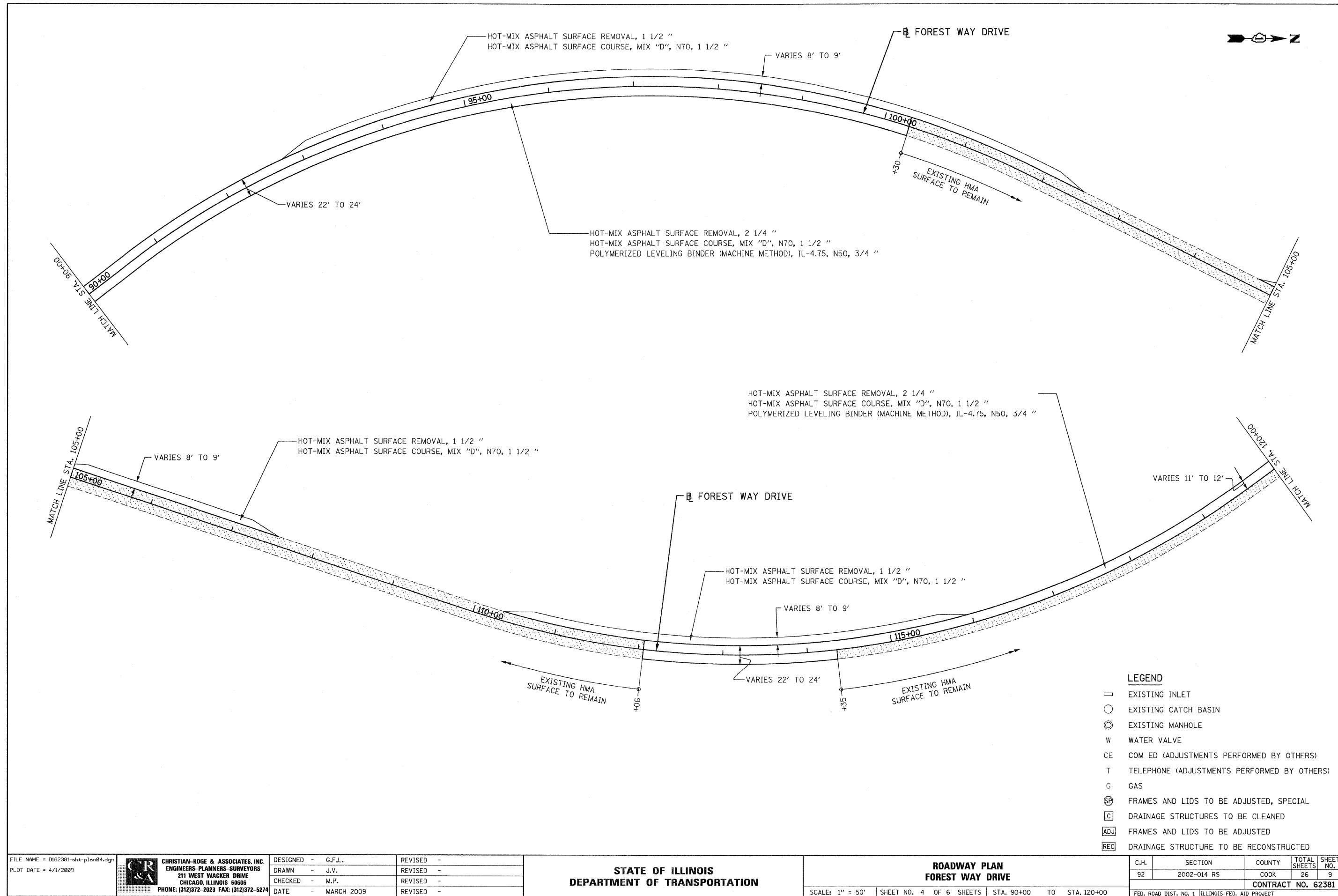
DESIGNED - G.F.L.	REVISED -
DRAWN - J.V.	REVISED -
CHECKED - M.P.	REVISED -
DATE - MARCH 2009	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
 FOREST WAY DRIVE**

SCALE: 1" = 50' SHEET NO. 3 OF 6 SHEETS STA. 60+00 TO STA. 90+00

C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
92	2002-014 RS	COOK	26	8
CONTRACT NO. 62381				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



FILE NAME = D162381-sht-plan04.dgn
 PLOT DATE = 4/1/2009

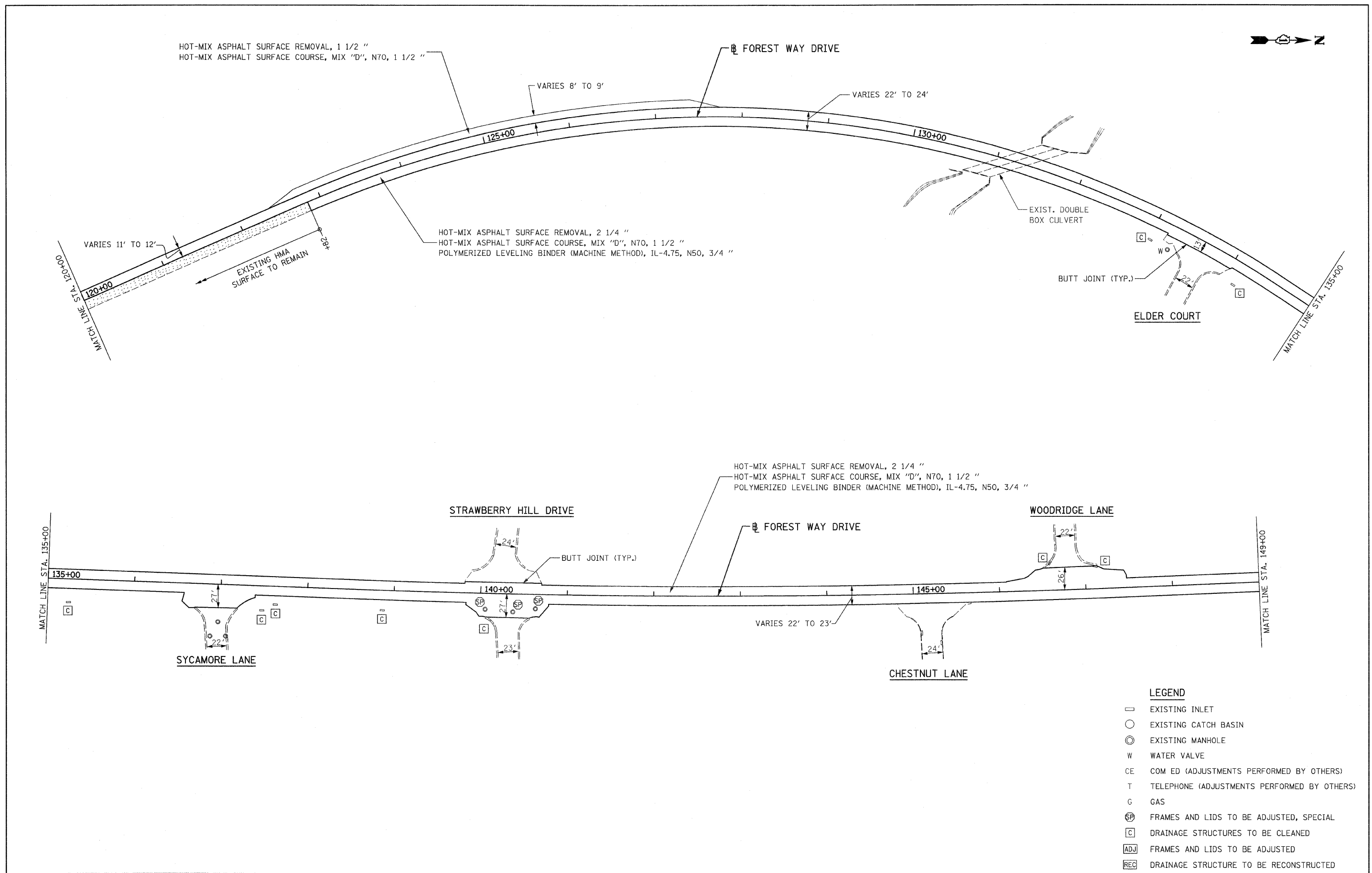
CHRISTIAN-ROGE & ASSOCIATES, INC.
 ENGINEERS-PLANNERS-SURVEYORS
 211 WEST WACKER DRIVE
 CHICAGO, ILLINOIS 60606
 PHONE: (312)372-2023 FAX: (312)372-5274

DESIGNED - G.F.L.	REVISED -
DRAWN - J.V.	REVISED -
CHECKED - M.P.	REVISED -
DATE - MARCH 2009	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
 FOREST WAY DRIVE**
 SCALE: 1" = 50' SHEET NO. 4 OF 6 SHEETS STA. 90+00 TO STA. 120+00

C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
92	2002-014 RS	COOK	26	9
CONTRACT NO. 62381				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



LEGEND

- EXISTING INLET
- EXISTING CATCH BASIN
- ⊙ EXISTING MANHOLE
- W WATER VALVE
- CE COM ED (ADJUSTMENTS PERFORMED BY OTHERS)
- T TELEPHONE (ADJUSTMENTS PERFORMED BY OTHERS)
- G GAS
- ⊕ FRAMES AND LIDS TO BE ADJUSTED, SPECIAL
- ⓐ DRAINAGE STRUCTURES TO BE CLEANED
- ⓑ FRAMES AND LIDS TO BE ADJUSTED
- ⓓ DRAINAGE STRUCTURE TO BE RECONSTRUCTED

FILE NAME = D162381-ah-plot.dgn
 PLOT DATE = 4/1/2009

CHRISTIAN-ROGE & ASSOCIATES, INC.
 ENGINEERS-PLANNERS-SURVEYORS
 211 WEST WACKER DRIVE
 CHICAGO, ILLINOIS 60606
 PHONE: (312)372-2023 FAX: (312)372-5274

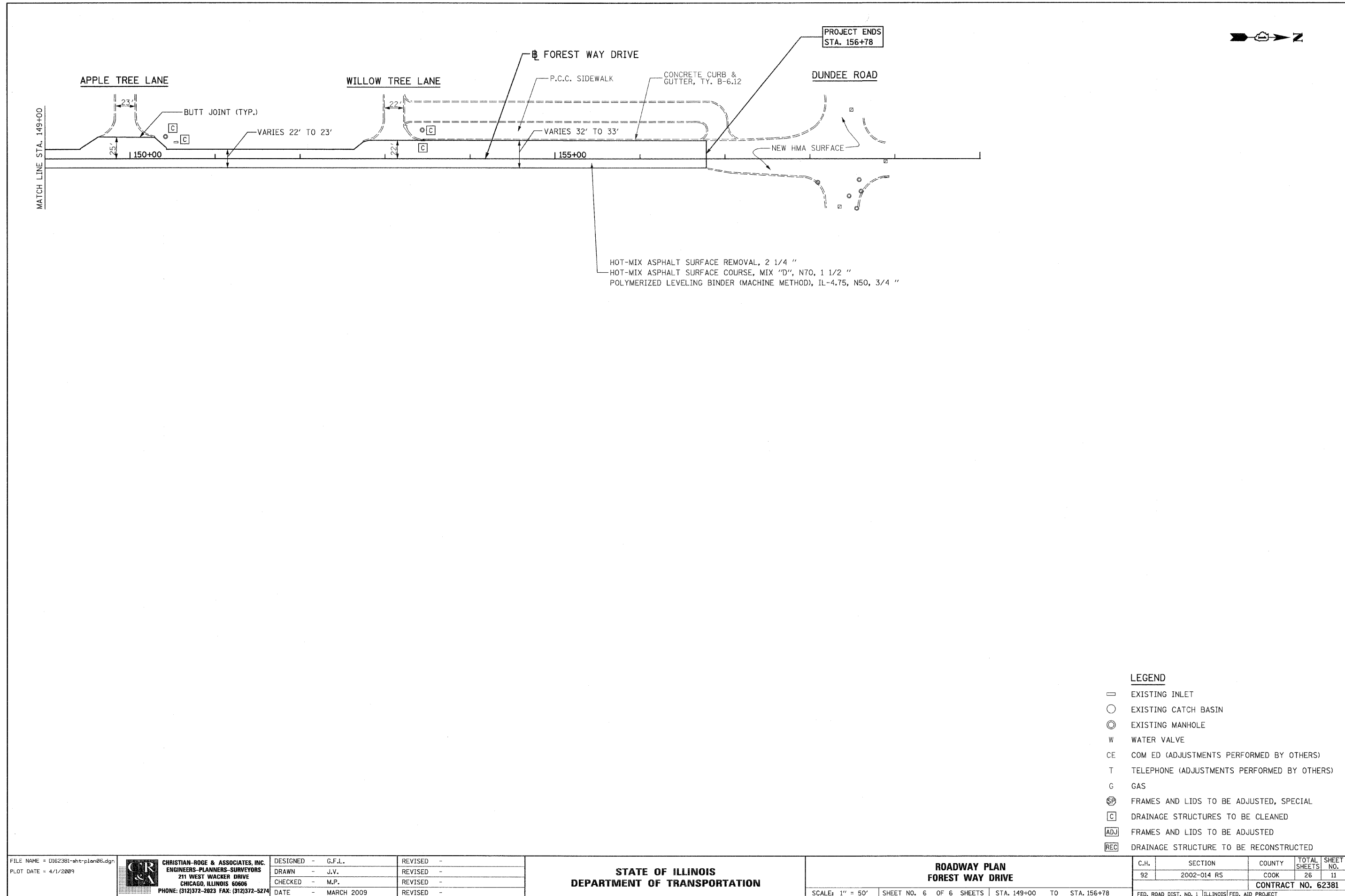
DESIGNED - G.F.L.	REVISED -
DRAWN - J.V.	REVISED -
CHECKED - M.P.	REVISED -
DATE - MARCH 2009	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ROADWAY PLAN
 FOREST WAY DRIVE**

SCALE: 1" = 50' SHEET NO. 5 OF 6 SHEETS STA. 120+00 TO STA. 149+00

C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
92	2002-014 RS	COOK	26	10
CONTRACT NO. 62381				
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT				



LEGEND

- EXISTING INLET
- EXISTING CATCH BASIN
- ⊙ EXISTING MANHOLE
- W WATER VALVE
- CE COM ED (ADJUSTMENTS PERFORMED BY OTHERS)
- T TELEPHONE (ADJUSTMENTS PERFORMED BY OTHERS)
- G GAS
- ⊕ FRAMES AND LIDS TO BE ADJUSTED, SPECIAL
- ⊠ DRAINAGE STRUCTURES TO BE CLEANED
- ⊡ FRAMES AND LIDS TO BE ADJUSTED
- ⊢ DRAINAGE STRUCTURE TO BE RECONSTRUCTED

FILE NAME = D162381-sht-plan06.dgn
 PLOT DATE = 4/1/2009



CHRISTIAN-ROGE & ASSOCIATES, INC.
 ENGINEERS-PLANNERS-SURVEYORS
 211 WEST WACKER DRIVE
 CHICAGO, ILLINOIS 60606
 PHONE: (312)372-2023 FAX: (312)372-5274

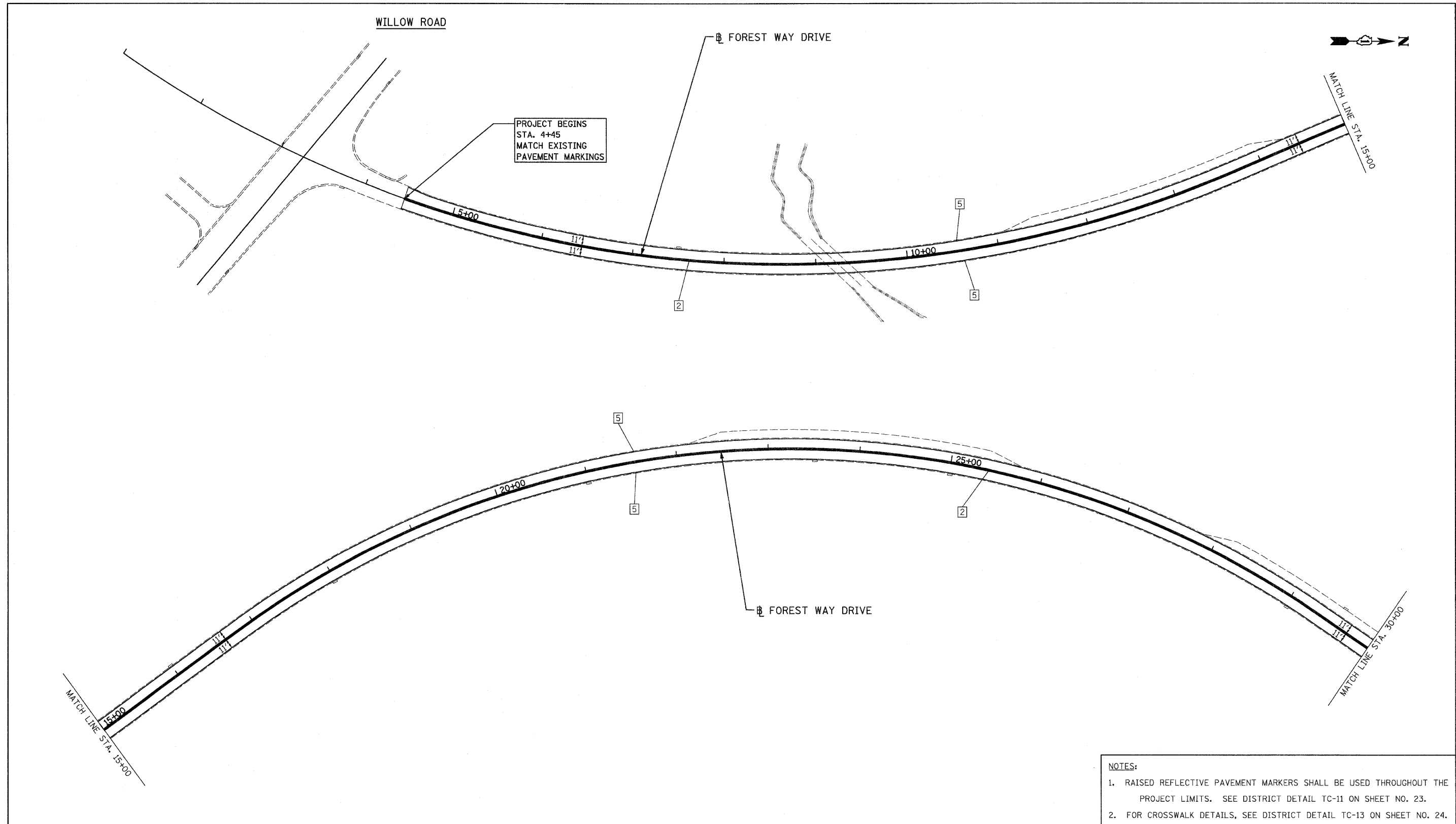
DESIGNED - G.F.L.	REVISED -
DRAWN - J.V.	REVISED -
CHECKED - M.P.	REVISED -
DATE - MARCH 2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROADWAY PLAN
FOREST WAY DRIVE

SCALE: 1" = 50' SHEET NO. 6 OF 6 SHEETS STA. 149+00 TO STA. 156+78

C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
92	2002-014 RS	COOK	26	11
				CONTRACT NO. 62381
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



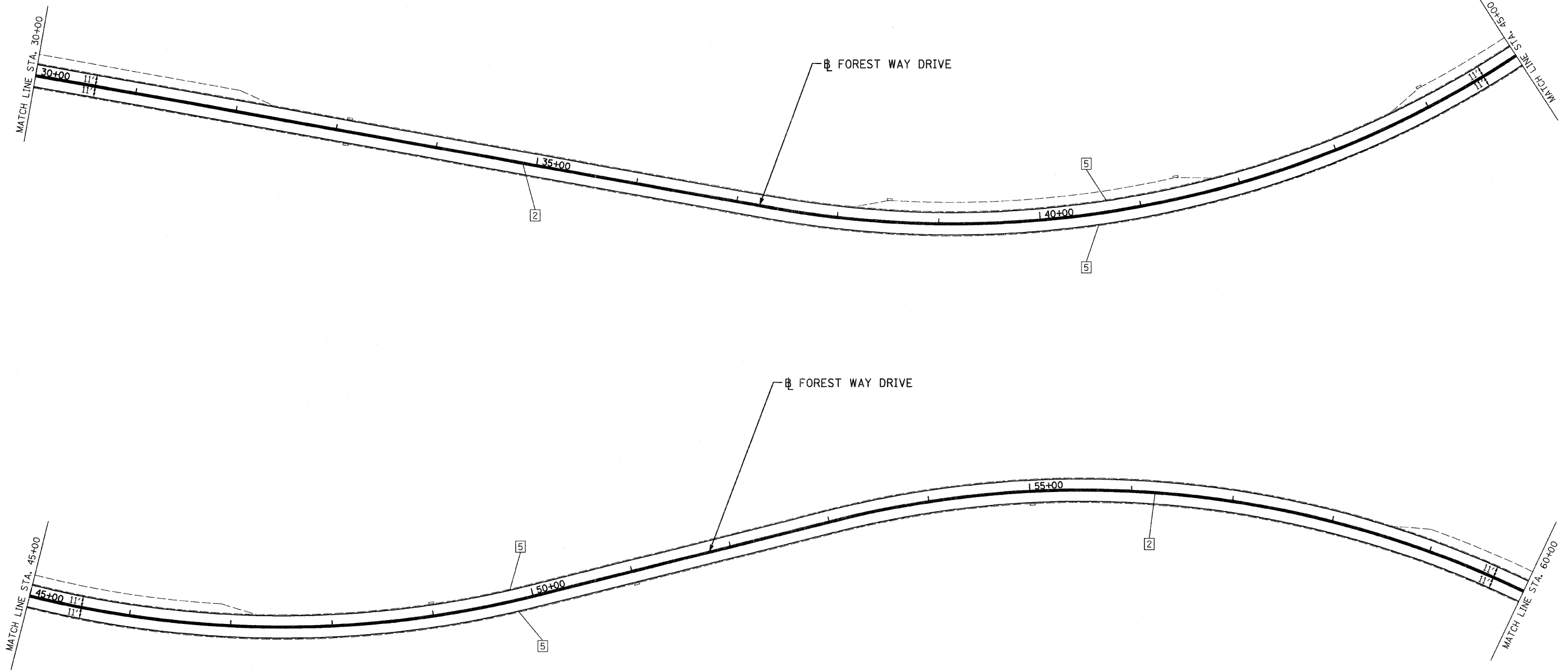
NOTES:

1. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE USED THROUGHOUT THE PROJECT LIMITS. SEE DISTRICT DETAIL TC-11 ON SHEET NO. 23.
2. FOR CROSSWALK DETAILS, SEE DISTRICT DETAIL TC-13 ON SHEET NO. 24.

LEGEND		DESIGNED - G.F.L.		REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		PAVEMENT MARKING PLAN FOREST WAY DRIVE		C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1	THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)	DRAWN	- J.V.	REVISED	-	SCALE: 1" = 50'	SHEET NO. 1 OF 6 SHEETS	STA. 4+45 TO STA. 30+00	92	2002-014 RS	COOK	26	12	
2	THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINES)	CHECKED	- M.P.	REVISED	-					CONTRACT NO. 62381				
3	THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW - 10' DASH, 30' SKIP)	DATE	- MARCH 2009	REVISED	-					FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
4	THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE LANE LINE - 10' DASH, 30')													
5	THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID LINE)													
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" (WHITE SOLID LINE)													
10	THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONAL LINE)													
11	THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE)													
12	THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP BAR)													
13	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (TYP.)													

FILE NAME = D162381-ahh-pm01.dgn
 PLOT DATE = 4/1/2009

CHRISTIAN-ROGE & ASSOCIATES, INC.
 ENGINEERS-PLANNERS-SURVEYORS
 211 WEST WACKER DRIVE
 CHICAGO, ILLINOIS 60606
 PHONE: (312)372-2023 FAX: (312)372-5274



- NOTES:**
1. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE USED THROUGHOUT THE PROJECT LIMITS. SEE DISTRICT DETAIL TC-11 ON SHEET NO. 23.
 2. FOR CROSSWALK DETAILS, SEE DISTRICT DETAIL TC-13 ON SHEET NO. 24.

LEGEND

- | | | |
|--|---|---|
| 1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE) | 6 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE) | 10 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONAL LINE) |
| 2 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINES) | 7 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP) | 11 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE) |
| 3 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW - 10' DASH, 30' SKIP) | 8 THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID LINE) | 12 THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP BAR) |
| 4 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE LANE LINE - 10' DASH, 30') | 9 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE SOLID LINE) | 13 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (TYP.) |
| 5 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID LINE) | | |

FILE NAME = D162381-ah1-pm02.dgn
 PLOT DATE = 4/1/2009



CHRISTIAN-ROBE & ASSOCIATES, INC.
 ENGINEERS-PLANNERS-SURVEYORS
 211 WEST WACKER DRIVE
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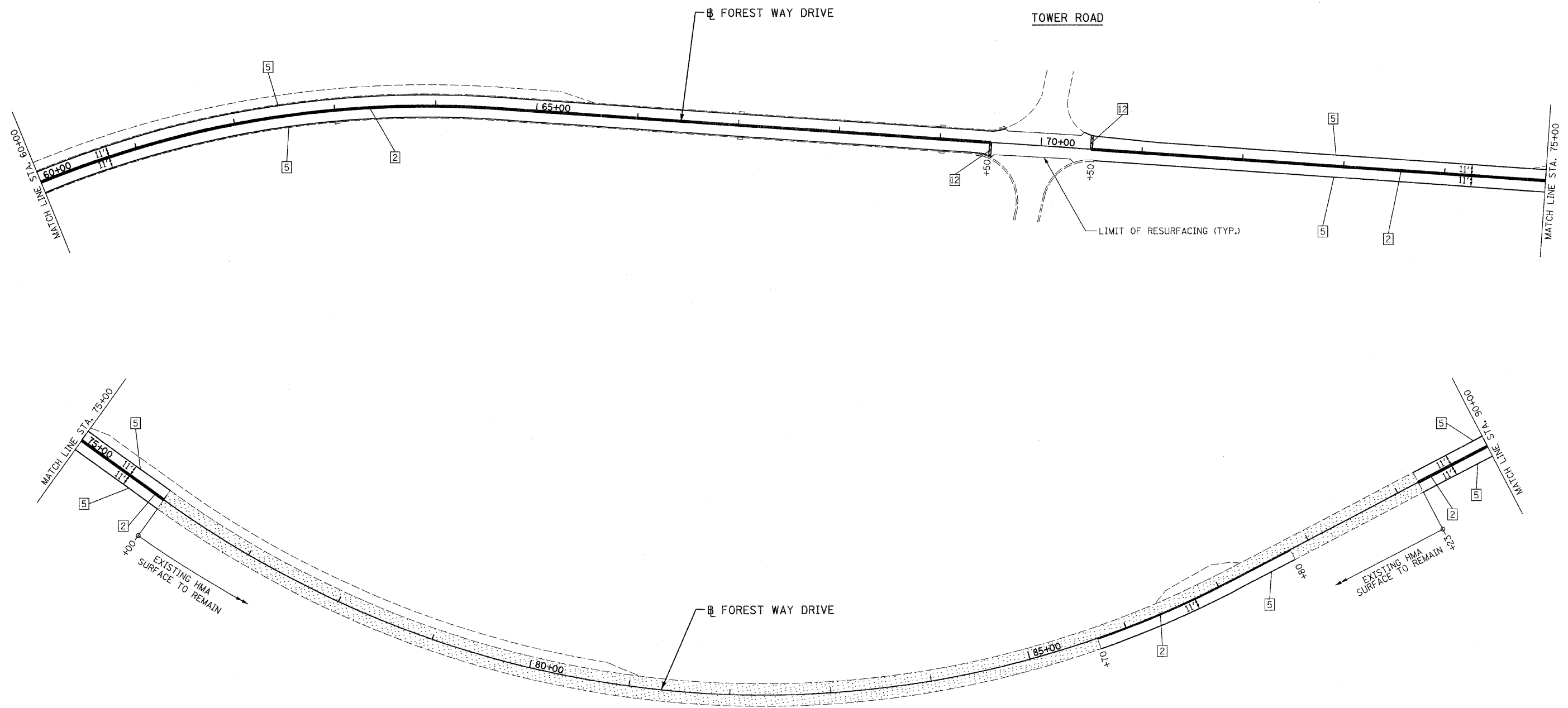
DESIGNED - G.F.L.	REVISED -
DRAWN - J.V.	REVISED -
CHECKED - M.P.	REVISED -
DATE - MARCH 2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING PLAN
FOREST WAY DRIVE

SCALE: 1" = 50' SHEET NO. 2 OF 6 SHEETS STA. 30+00 TO STA. 60+00

C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
92	2002-014 RS	COOK	26	13
CONTRACT NO. 62381				
<small>FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT</small>				



- NOTES:**
1. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE USED THROUGHOUT THE PROJECT LIMITS. SEE DISTRICT DETAIL TC-11 ON SHEET NO. 23.
 2. FOR CROSSWALK DETAILS, SEE DISTRICT DETAIL TC-13 ON SHEET NO. 24.

LEGEND

- | | | |
|---|---|--|
| <ul style="list-style-type: none"> 1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE) 2 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINES) 3 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW - 10' DASH, 30' SKIP) 4 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE LANE LINE - 10' DASH, 30') 5 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID LINE) | <ul style="list-style-type: none"> 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" (WHITE SOLID LINE) | <ul style="list-style-type: none"> 10 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONAL LINE) 11 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE) 12 THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP BAR) 13 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (TYP.) |
|---|---|--|

FILE NAME = D162381-ahh-pm03.dgn
 PLOT DATE = 4/1/2009

CHRISTIAN-ROGE & ASSOCIATES, INC.
 ENGINEERS-PLANNERS-SURVEYORS
 211 WEST WACKER DRIVE
 CHICAGO, ILLINOIS 60606
 PHONE: (312)372-2023 FAX: (312)372-5274

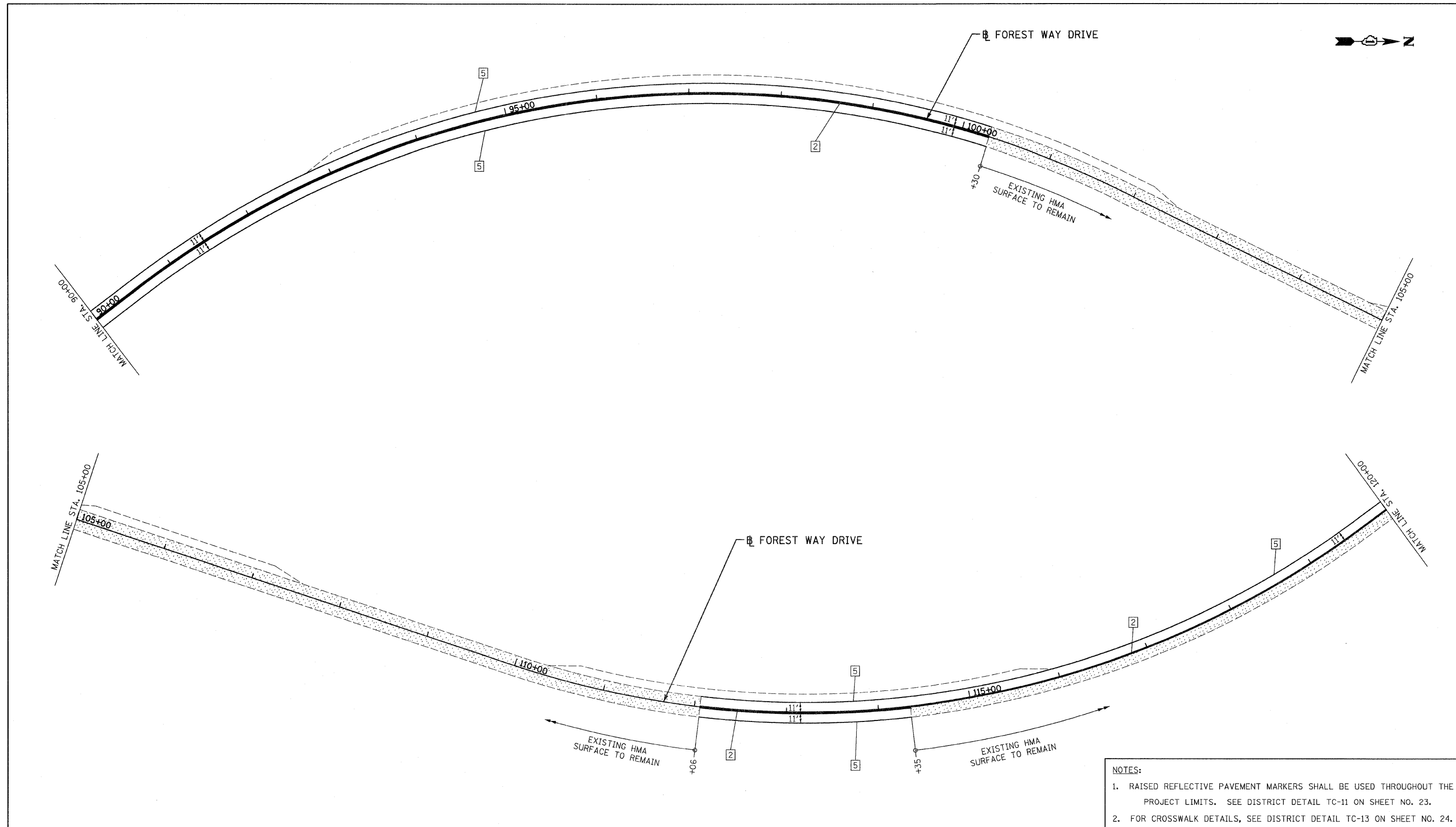
DESIGNED - G.F.L.	REVISED -
DRAWN - J.V.	REVISED -
CHECKED - M.P.	REVISED -
DATE - MARCH 2009	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
 FOREST WAY DRIVE**

SCALE: 1" = 50' SHEET NO. 3 OF 6 SHEETS STA. 60+00 TO STA. 90+00

C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
92	2002-014 RS	COOK	26	14
CONTRACT NO. 62381				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



NOTES:

1. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE USED THROUGHOUT THE PROJECT LIMITS. SEE DISTRICT DETAIL TC-11 ON SHEET NO. 23.
2. FOR CROSSWALK DETAILS, SEE DISTRICT DETAIL TC-13 ON SHEET NO. 24.

LEGEND		DESIGNED - G.F.L.		REVISED -		STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		PAVEMENT MARKING PLAN FOREST WAY DRIVE		C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1	THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)	DESIGNED -	J.V.	REVISED -		SCALE: 1" = 50'	SHEET NO. 4 OF 6 SHEETS	STA. 90+00 TO STA. 120+00	92	2002-014 RS	COOK	26	15	
2	THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINES)	CHECKED -	M.P.	REVISED -								CONTRACT NO. 62381		
3	THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW - 10' DASH, 30' SKIP)	DATE -	MARCH 2009	REVISED -								FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		
4	THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE LANE LINE - 10' DASH, 30')													
5	THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID LINE)													
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" (WHITE SOLID LINE)													
10	THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONAL LINE)													
11	THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE)													
12	THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP BAR)													
13	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (TYP.)													

FILE NAME = D162381-ahh-pm04.dgn
PLOT DATE = 4/1/2009

CHRISTIAN-ROGE & ASSOCIATES, INC.
ENGINEERS-PLANNERS-SURVEYORS
211 WEST WACKER DRIVE
CHICAGO, ILLINOIS 60606
PHONE: (312)372-2023 FAX: (312)372-8274

DESIGNED - G.F.L.
DRAWN - J.V.
CHECKED - M.P.
DATE - MARCH 2009

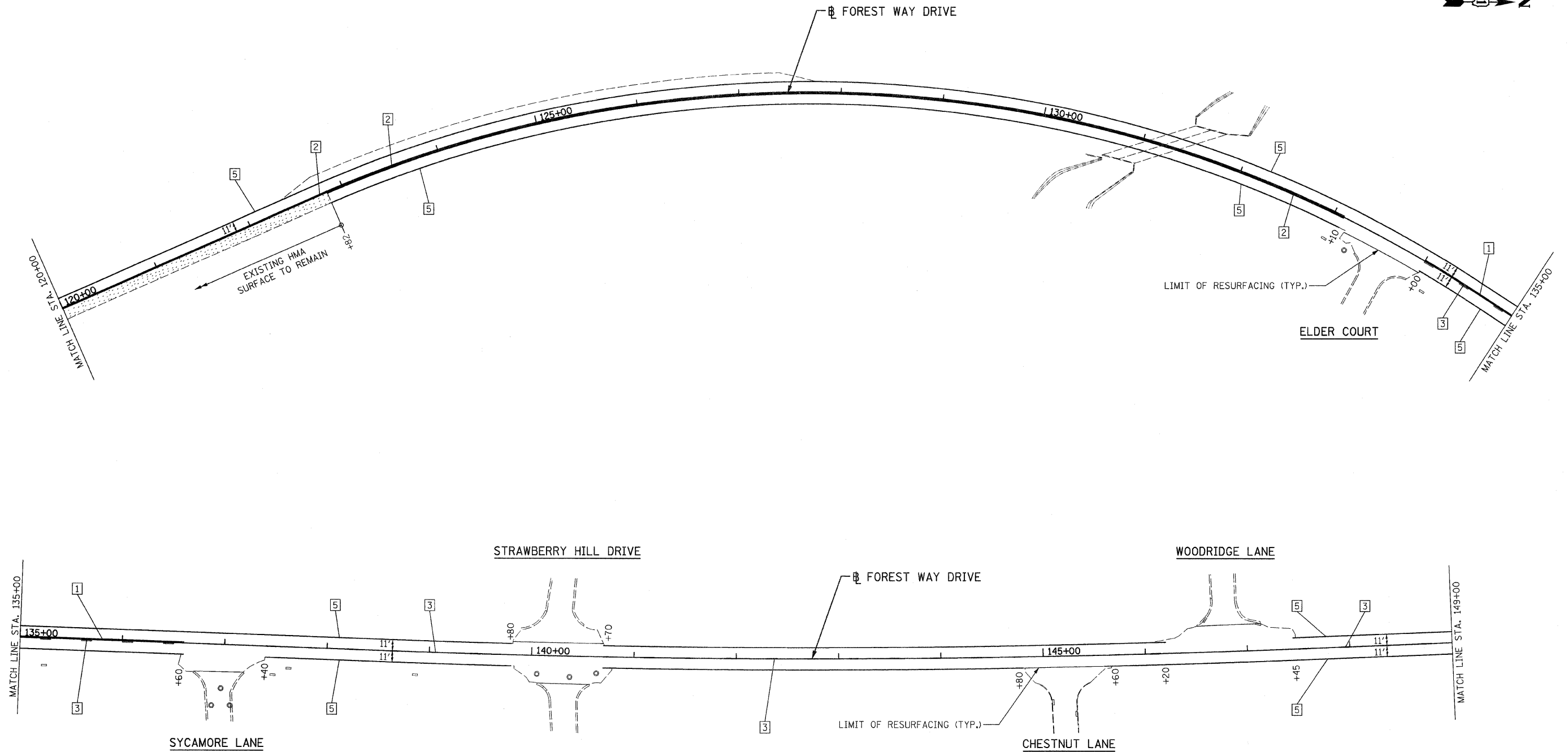
REVISED -
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REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
FOREST WAY DRIVE**

SCALE: 1" = 50' SHEET NO. 4 OF 6 SHEETS STA. 90+00 TO STA. 120+00

C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
92	2002-014 RS	COOK	26	15
CONTRACT NO. 62381				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



- NOTES:**
1. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE USED THROUGHOUT THE PROJECT LIMITS. SEE DISTRICT DETAIL TC-11 ON SHEET NO. 23.
 2. FOR CROSSWALK DETAILS, SEE DISTRICT DETAIL TC-13 ON SHEET NO. 24.

LEGEND					
1	THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)	6	THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE)	10	THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONAL LINE)
2	THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINES)	7	THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)	11	THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE)
3	THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW - 10' DASH, 30' SKIP)	8	THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID LINE)	12	THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP BAR)
4	THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE LANE LINE - 10' DASH, 30')	9	THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE SOLID LINE)	13	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (TYP.)
5	THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID LINE)				

FILE NAME = D162381-ahf-pm05.dgn
 PLOT DATE = 4/1/2009

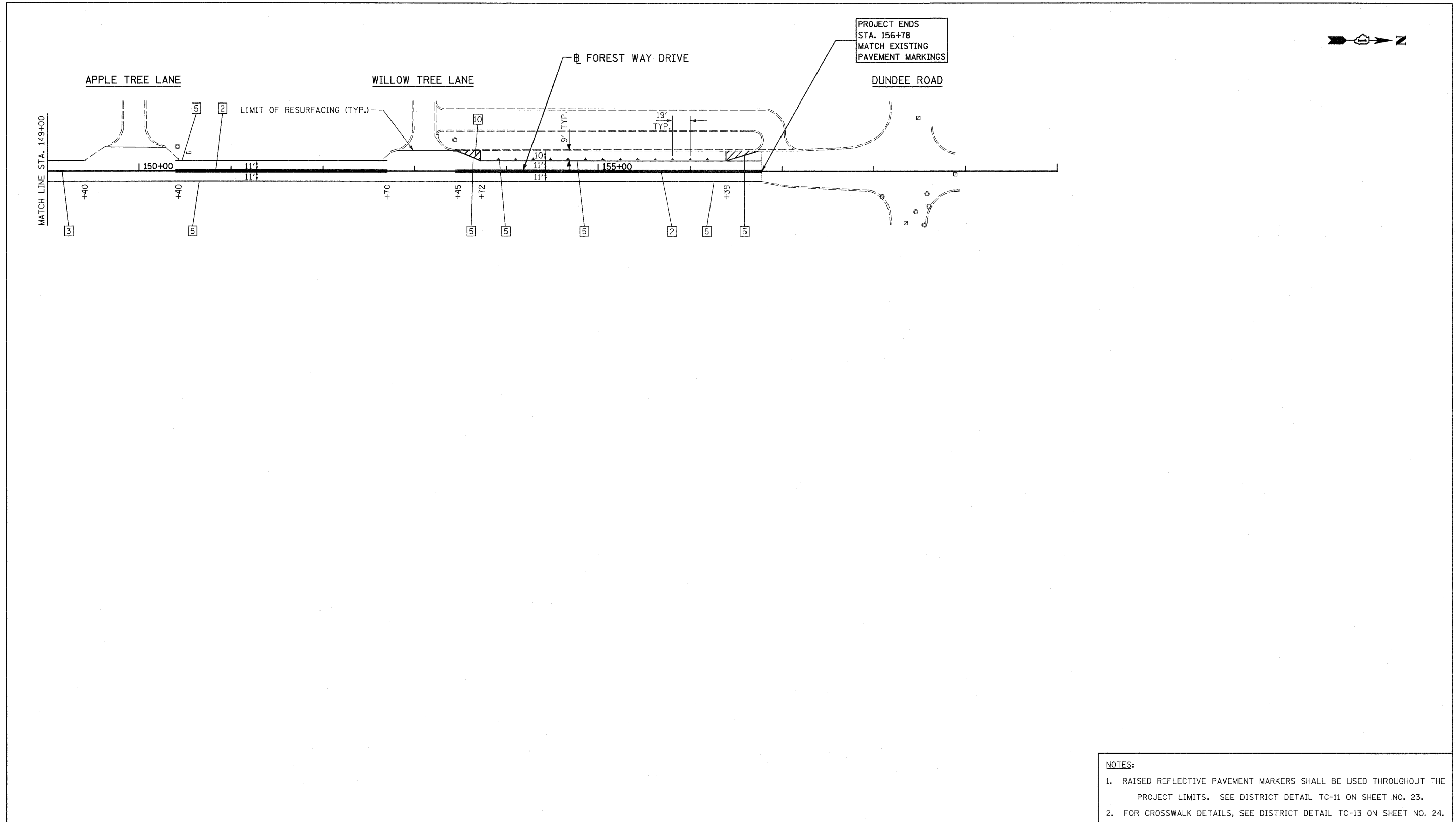
CHRISTIAN-ROGE & ASSOCIATES, INC.
 ENGINEERS-PLANNERS-SURVEYORS
 211 WEST WACKER DRIVE
 CHICAGO, ILLINOIS 60606
 PHONE: (312)372-2023 FAX: (312)372-5274

DESIGNED - G.F.L.	REVISED -
DRAWN - J.V.	REVISED -
CHECKED - M.P.	REVISED -
DATE - MARCH 2009	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION


PAVEMENT MARKING PLAN		FOREST WAY DRIVE	
SCALE: 1" = 50'	SHEET NO. 5 OF 6 SHEETS	STA. 120+00 TO	STA. 149+00

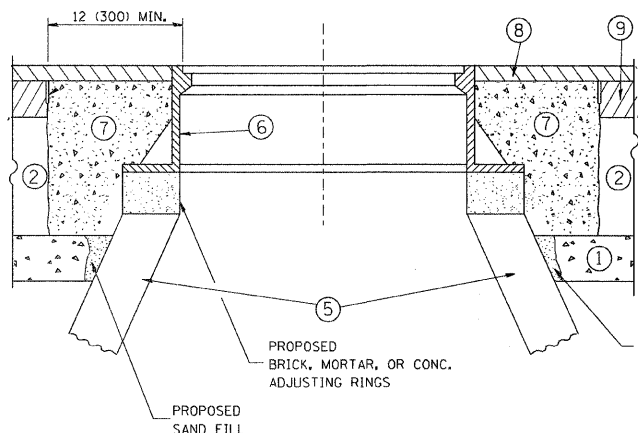
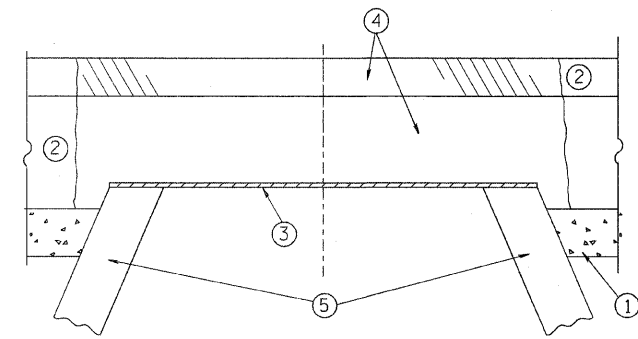
C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
92	2002-014 RS	COOK	26	16
CONTRACT NO. 62381				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



- NOTES:**
1. RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE USED THROUGHOUT THE PROJECT LIMITS. SEE DISTRICT DETAIL TC-11 ON SHEET NO. 23.
 2. FOR CROSSWALK DETAILS, SEE DISTRICT DETAIL TC-13 ON SHEET NO. 24.

LEGEND	
1 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW SOLID LINE)	6 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE SOLID LINE)
2 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID LINES)	7 THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE LANE LINE - 2' DASH, 6' SKIP)
3 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW - 10' DASH, 30' SKIP)	8 THERMOPLASTIC PAVEMENT MARKING - LINE 8" (WHITE SOLID LINE)
4 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE LANE LINE - 10' DASH, 30')	9 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE SOLID LINE)
5 THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE SOLID LINE)	10 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE DIAGONAL LINE)
	11 THERMOPLASTIC PAVEMENT MARKING - LINE 12" (YELLOW DIAGONAL LINE)
	12 THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE STOP BAR)
	13 THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS (TYP.)

FILE NAME = D162381-ah-06.dgn PLOT DATE = 4/2/2009	 CHRISTIAN-ROGE & ASSOCIATES, INC. ENGINEERS-PLANNERS-SURVEYORS 211 WEST WACKER DRIVE CHICAGO, ILLINOIS 60606 PHONE: (312)372-2023 FAX: (312)372-5274	DESIGNED - G.F.L.	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING PLAN FOREST WAY DRIVE	C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - J.V.	REVISED -			92	2002-014 RS	COOK	26	17
		CHECKED - M.P.	REVISED -			CONTRACT NO. 62381				
		DATE - MARCH 2009	REVISED -			SCALE: 1" = 50'			SHEET NO. 6 OF 6 SHEETS STA. 149+00 TO STA. 156+78	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT										



CONSTRUCTION PROCEDURES

- STAGE 1 (BEFORE PAVEMENT MILLING)**
- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
 - B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
 - C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
 - D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

- STAGE 2 (AFTER PAVEMENT MILLING)**
- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
 - B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
 - C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS SI CONCRETE, OR HMA SURFACE COURSE OR HMA BINDER COURSE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

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

LEGEND

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

LOCATION OF STRUCTURES:

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

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

NOTES:

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

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

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

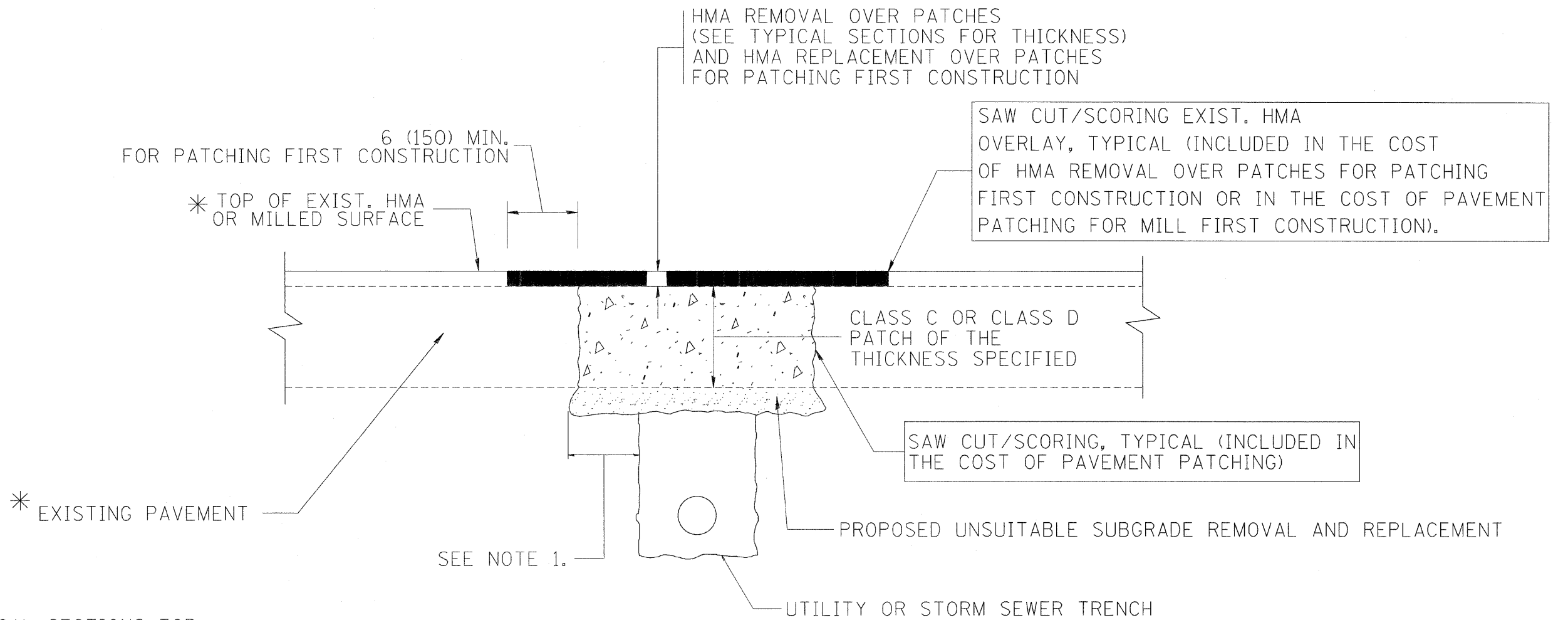
THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

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

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME = W:\distatd\22x34\bd08.dgn	USER NAME = goglienobt	DESIGNED - R. SHAH	REVISED - R. SHAH 03-10-95	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING			C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 50.0000' / IN.	DRAWN -	REVISED - A. ABBAS 03-21-97		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. 4+45	TO STA. 156+78	92	2002-014 RS	COOK	28	18
	PLOT DATE = 1/4/2008	CHECKED -	REVISED - R. WIEDEMAN 05-14-04		FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT			BD600-03 (BD-8)		CONTRACT NO. 62381			
		DATE - 10-25-94	REVISED - R. BORO 01-01-07										



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

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

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

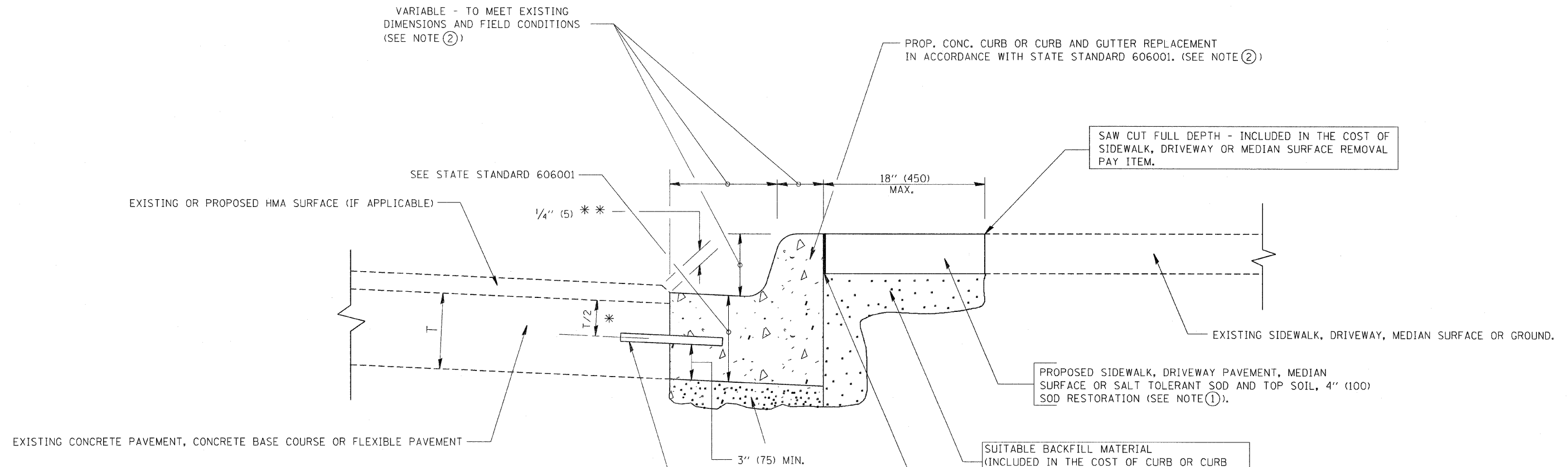
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

FILE NAME = c:\projects\diststd22\34\bd22.dgn	USER NAME = bauerdl	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT	C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED - R. BORO 01-01-07			92	2002-014 RS	COOK	28	19	
PLOT SCALE = 50,000 // IN.		CHECKED -	REVISED - R. BORO 09-04-07			BD400-04 (BD-22) CONTRACT NO. 62381					
PLOT DATE = 10/27/2008		DATE - 10-25-94	REVISED - K. ENG 10-27-08			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. 4+45	TO STA. 156+78	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	



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

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

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

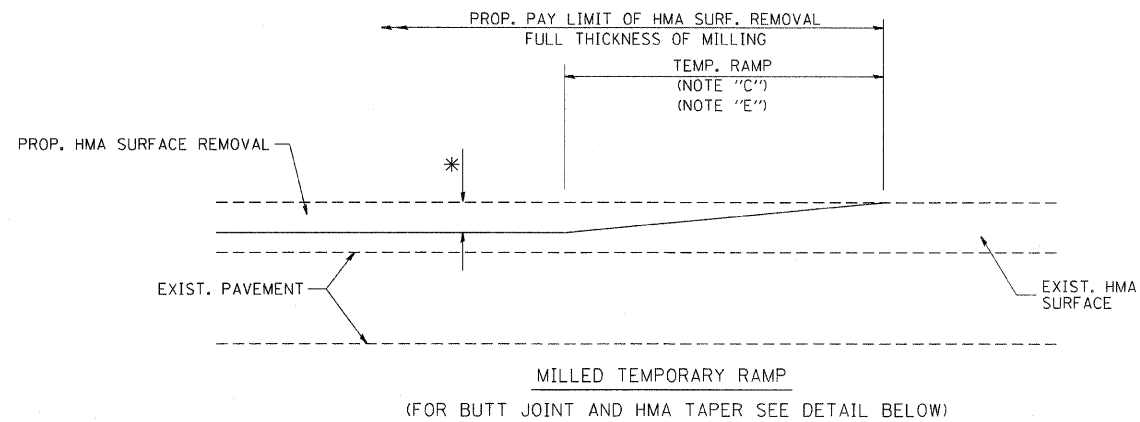
- ② CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.
- ③ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.
- ④ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB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

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

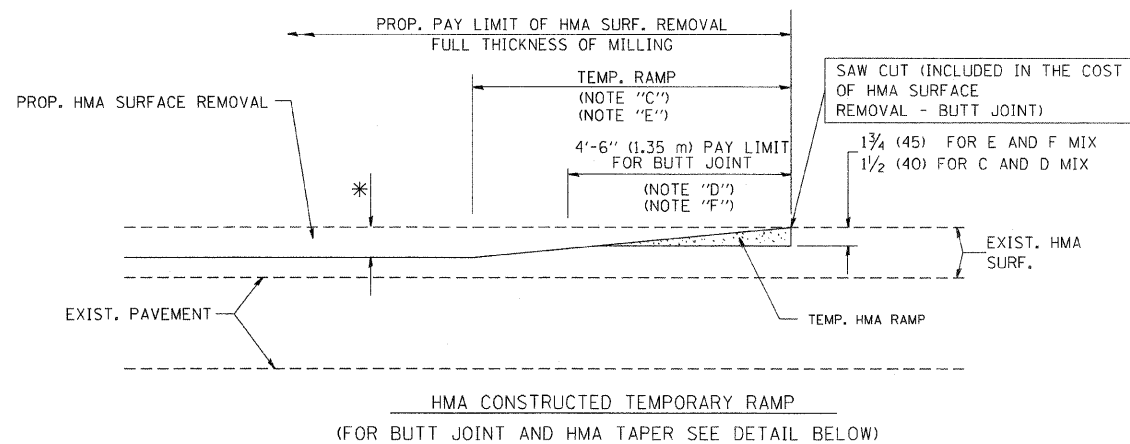
CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

FILE NAME = W:\diststd\22x34\bd24.dgn	USER NAME = goglianobt	DESIGNED - A. HOUSEH	REVISED - R. SHAH 10-03-96	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT	C.H. 92	SECTION 2002-014 RS	COUNTY COOK	TOTAL SHEETS 26	SHEET NO. 20	
PLOT SCALE = 50.000 "/ IN.		CHECKED -		REVISED - M. GOMEZ 01-22-01		SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA. 4+45 TO STA. 156+78	
PLOT DATE = 1/4/2008		DATE - 03-11-94		REVISED - R. BORO 01-01-07		BD600-06 (BD-24)		CONTRACT NO. 62381			
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT											

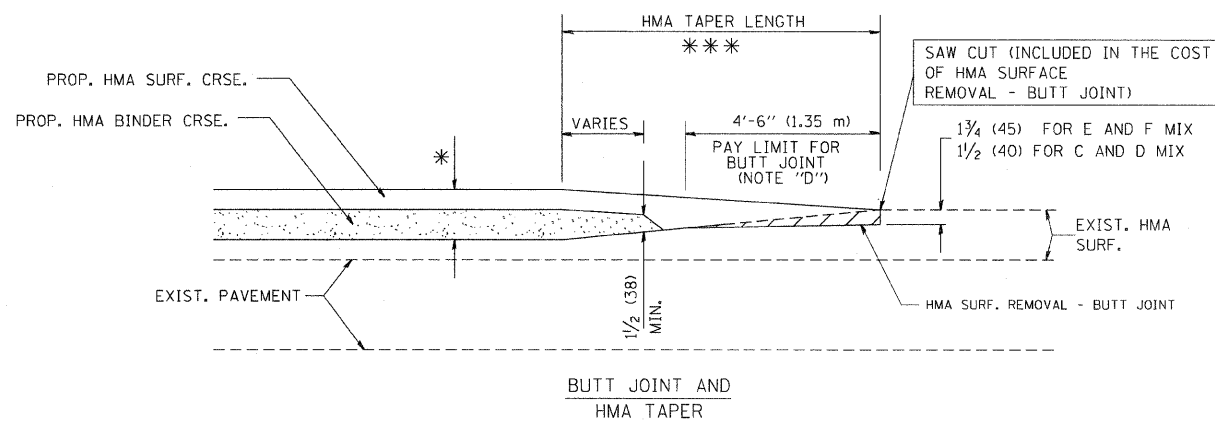


OPTION 1

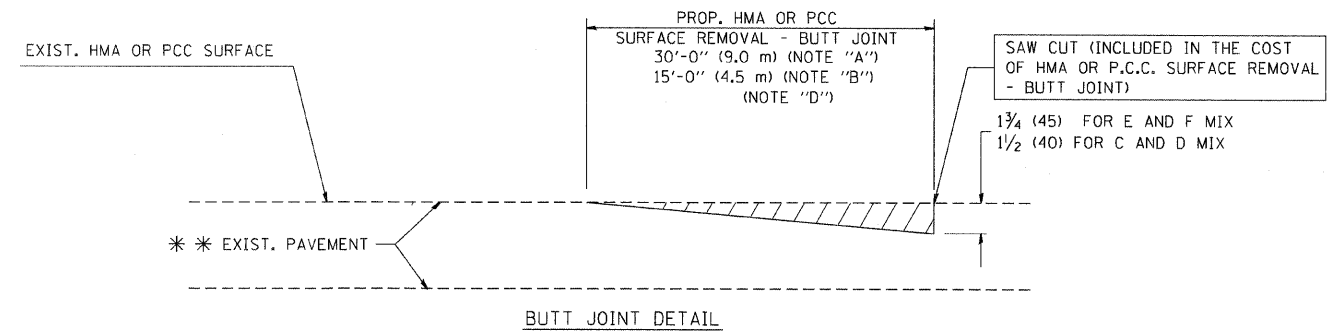


OPTION 2

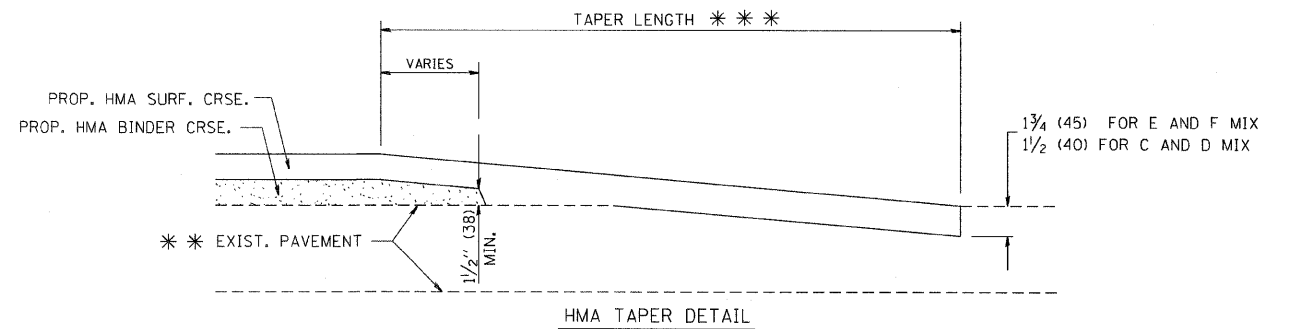
TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

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

NOTES

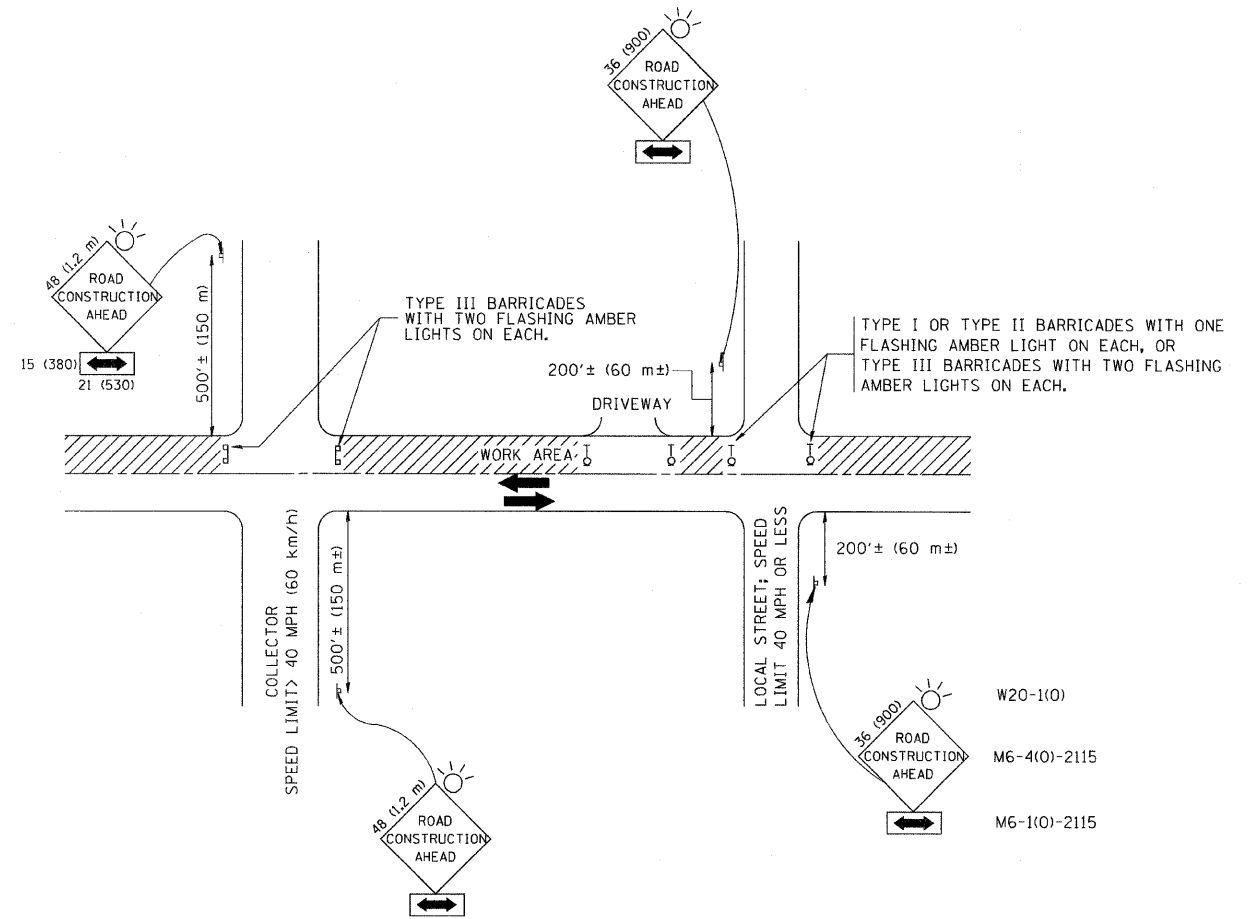
- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
 - B: MINOR SIDE ROADS.
 - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
 - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
 - E: TAPER THE TEMP. RAMP AT A RATE OF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

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:\distatd\22x34\bd32.dgn	USER NAME = gogianobt	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BUTT JOINT AND HMA TAPER DETAILS		C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED - A. ABBAS 03-21-97		92	2002-014 RS	COOK	26	21		
		CHECKED -	REVISED - M. GOMEZ 04-06-01		BD400-05 BD32			CONTRACT NO. 62381			
		DATE - 06-13-90	REVISED - R. BORO 01-01-07		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. 4+45	TO STA. 156+78		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	



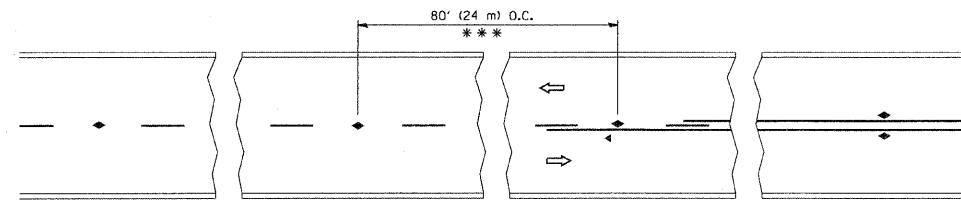
TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

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.

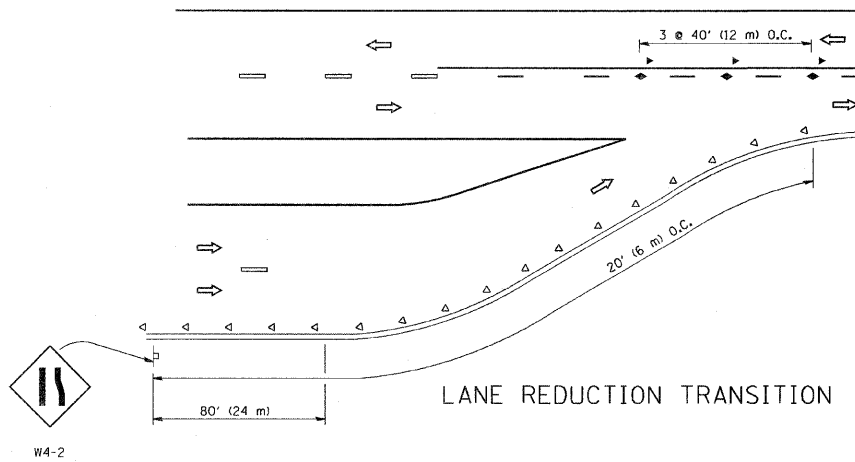
All dimensions are in millimeters (inches) unless otherwise shown.

FILE NAME = W:\diststd\22x34\tc10.dgn	USER NAME = goglianobt	DESIGNED - LHA	REVISED - J. OBERLE 10-18-95	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS	C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 50.000 "/ IN.	DRAWN -	REVISED - A. HOUSEH 03-06-96			92	2002-014 RS	COOK	26	22	
	PLOT DATE = 1/4/2008	CHECKED -	REVISED - A. HOUSEH 10-15-96			TC-10		CONTRACT NO. 62381			
		DATE - 06-89	REVISED - T. RAMMACHER 01-06-00			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. 4+45	TO STA. 156+78	FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT	

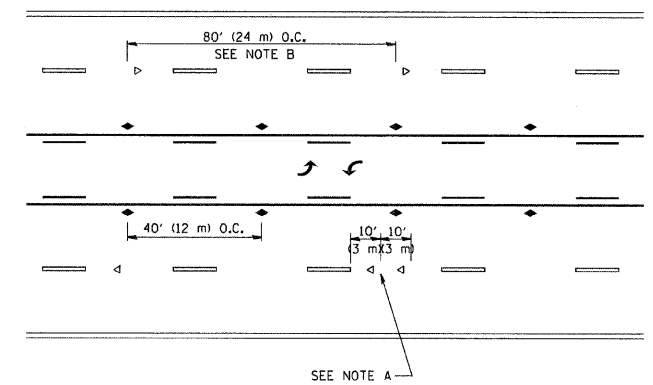


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

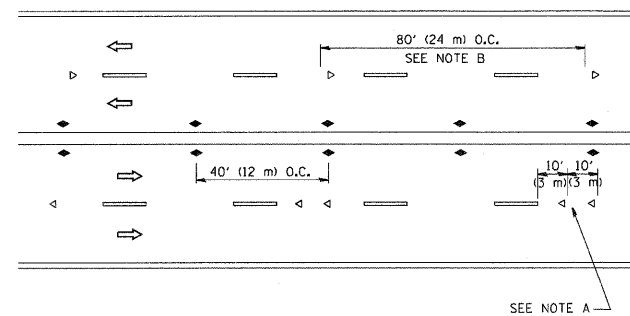
TWO-LANE/TWO-WAY



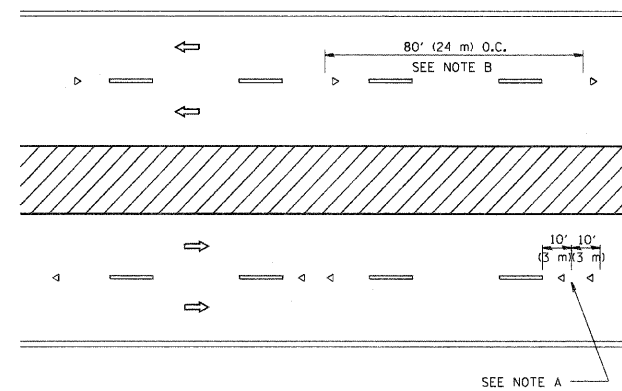
LANE REDUCTION TRANSITION



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

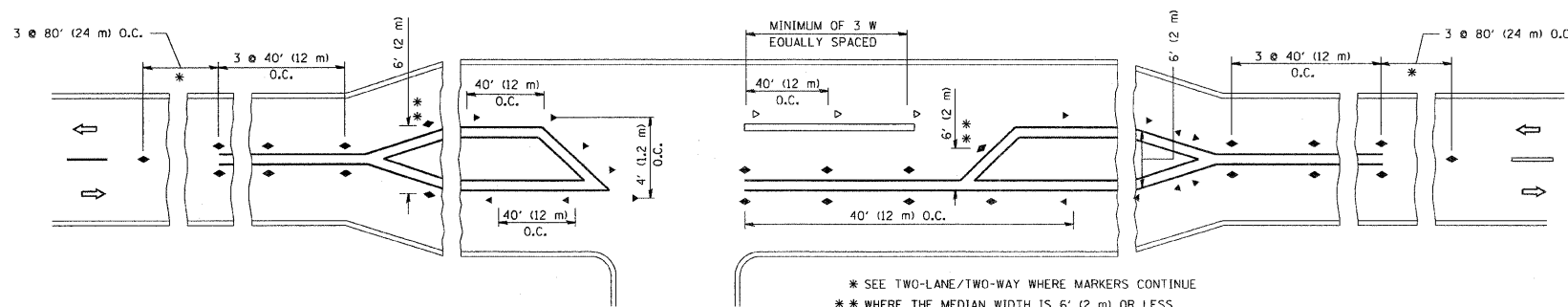
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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.

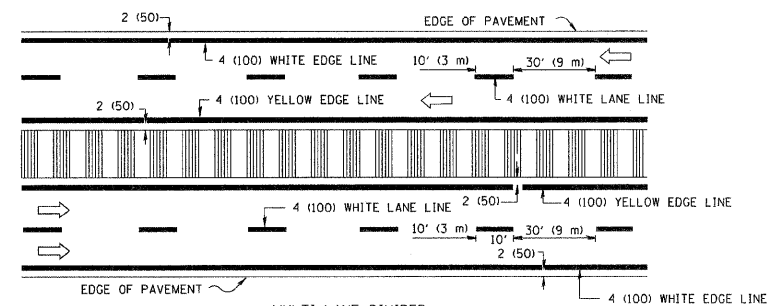
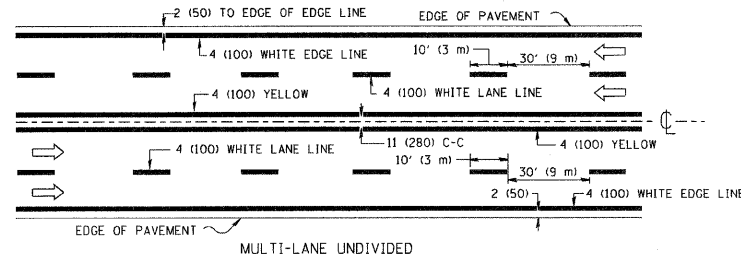
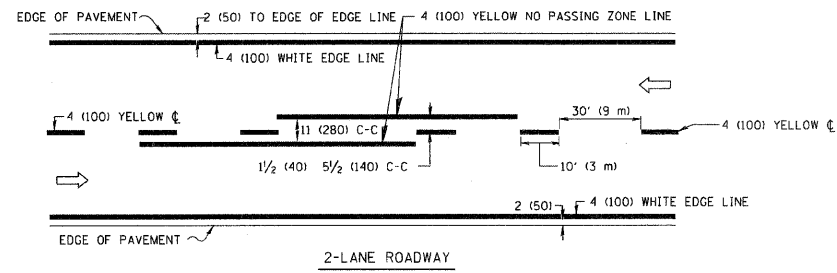


LEFT TURN

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

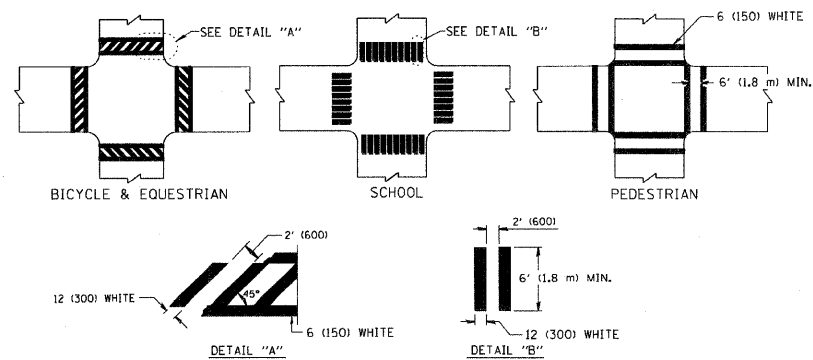
All dimensions are in Inches (millimeters) unless otherwise shown.

FILE NAME = W:\diststd\22x34\1011.dgn	USER NAME = geglianobt	DESIGNED - DRAWN -	REVISIONS - T. RAMMACHER 09-19-94 - T. RAMMACHER 03-12-99 - T. RAMMACHER 01-06-00	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)			C.H. 92	SECTION 2002-014 RS	COUNTY COOK	TOTAL SHEETS 26	SHEET NO. 23
PLOT SCALE = 50,000 / IN.	PLOT DATE = 1/4/2008	CHECKED - DATE -	REVISIONS - T. RAMMACHER 01-06-00		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. 4+45	TO STA. 156+78	TC-11		CONTRACT NO. 62381	
								FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

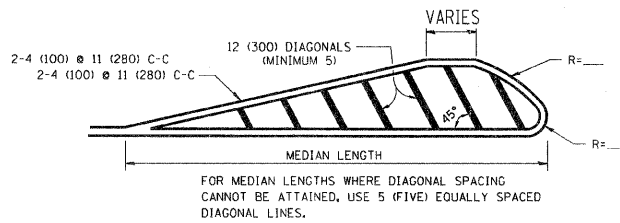
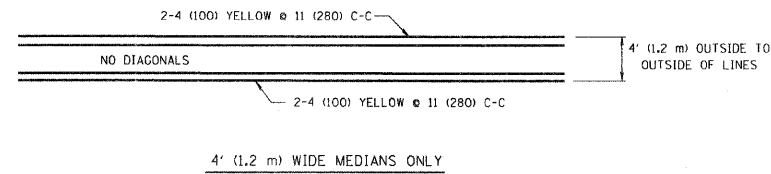


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING

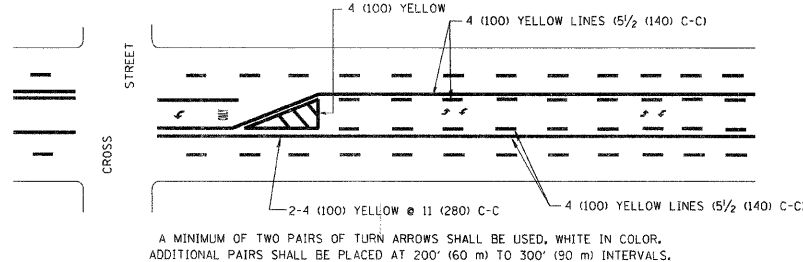


TYPICAL CROSSWALK MARKING



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

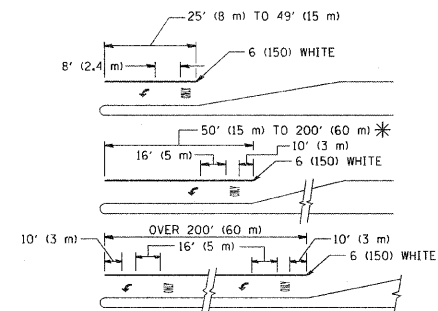


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

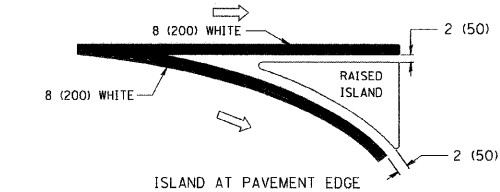
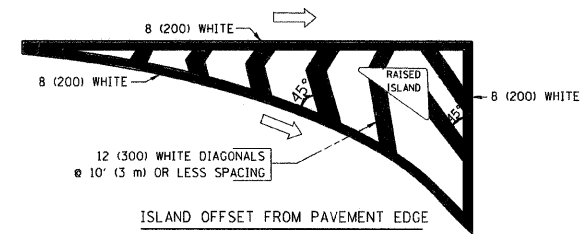


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

* 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

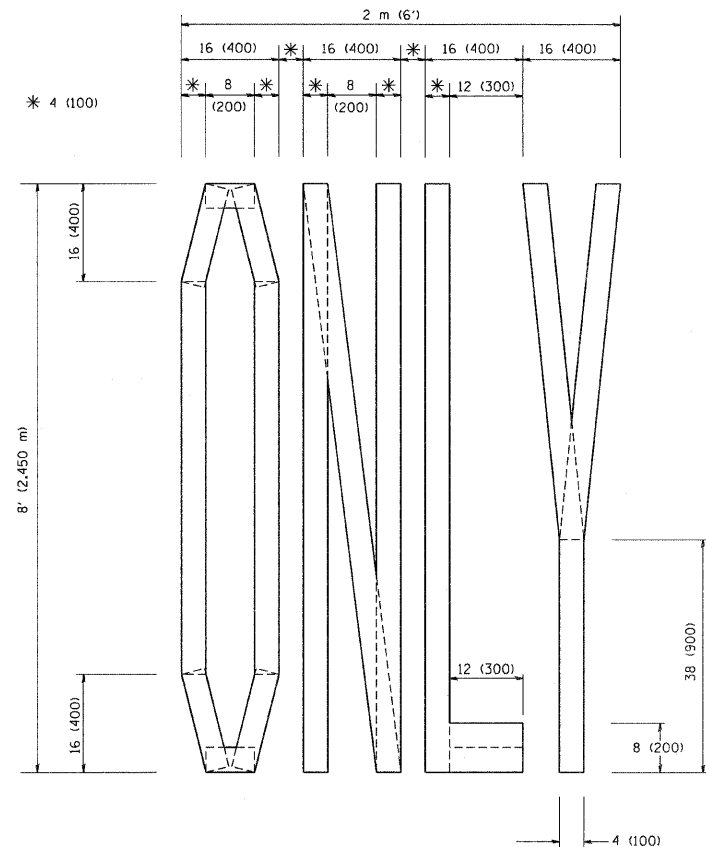


TYPICAL ISLAND MARKING

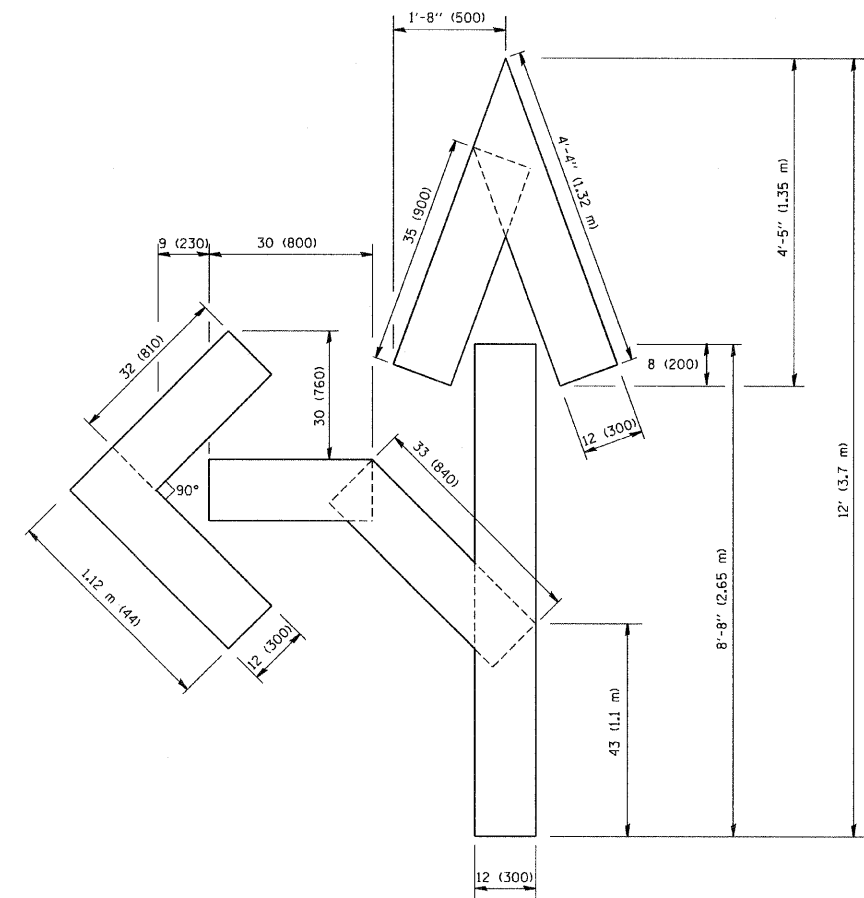
TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN & BICYCLE & EQUESTRIAN) 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.
ORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C (30MPH (50 km/h) TO 45MPH (70 km/h)) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

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

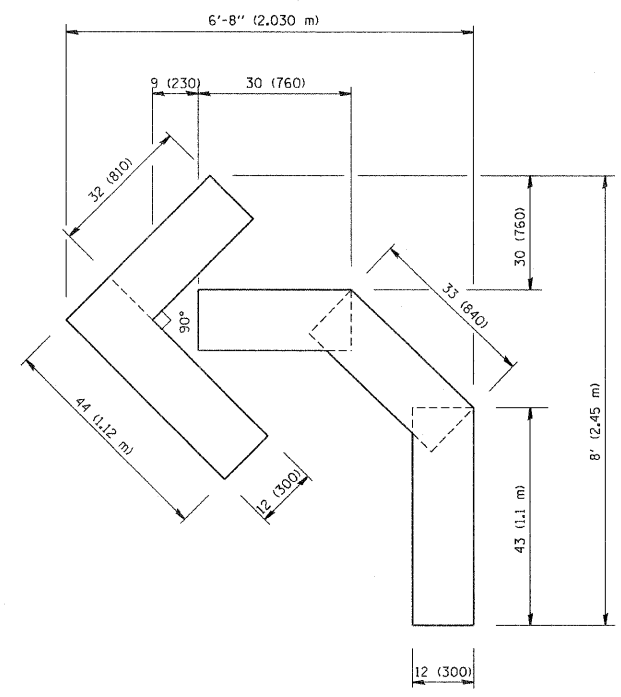
All dimensions are in inches (millimeters) unless otherwise shown.



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.

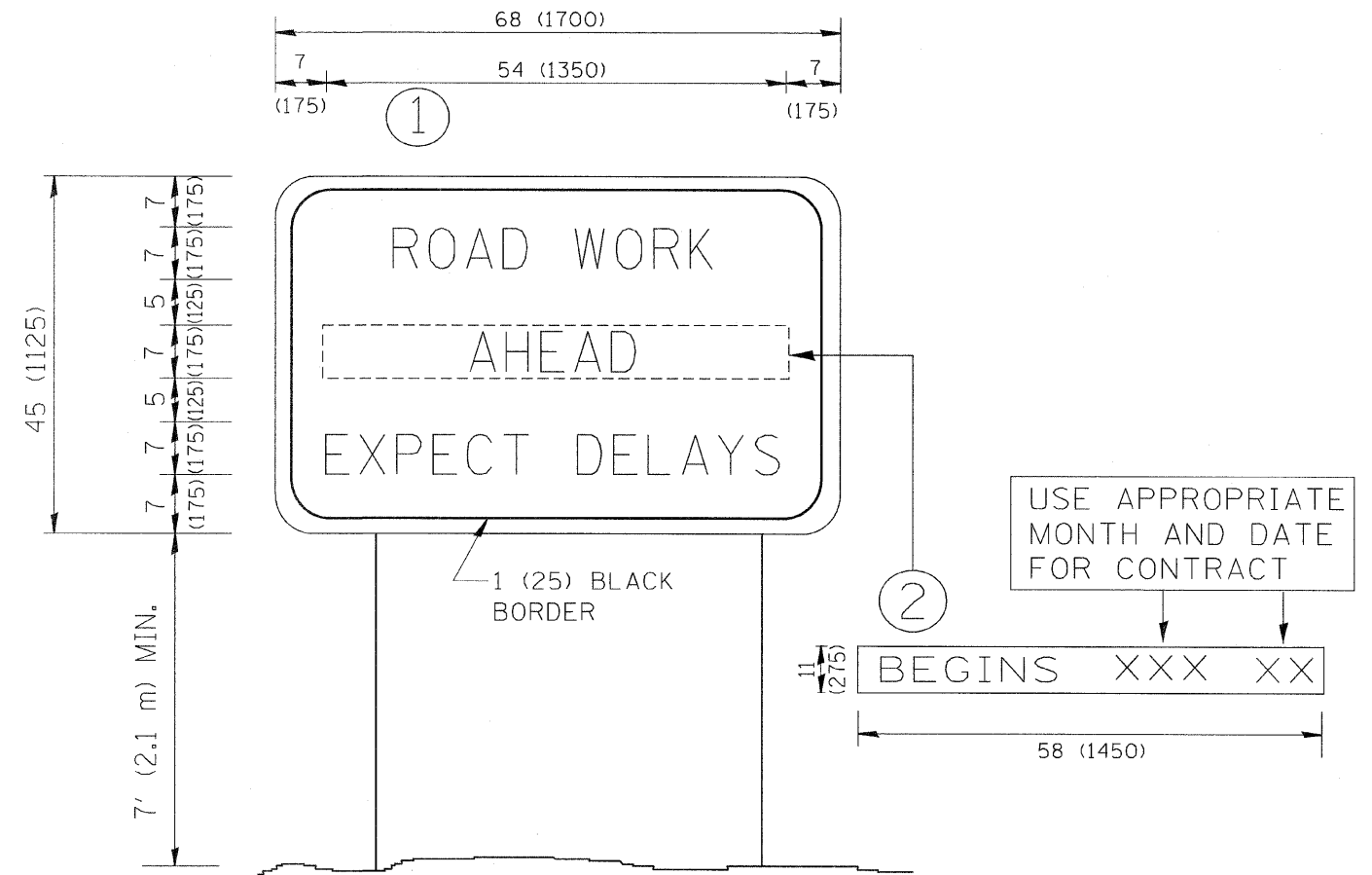
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	PLOT SCALE = 50,0000 / IN.	CHECKED -	REVISED -T, RAMMACHER 03-02-98
	PLOT DATE = 1/4/2008	DATE = 09-18-94	REVISED -E, GOMEZ 08-28-00

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING LETTERS AND SYMBOLS
 FOR TRAFFIC STAGING

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. 4+45 TO STA. 156+78

C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
92	2002-014 RS	COOK	26	25
TC-16			CONTRACT NO. 62381	
FED. ROAD DIST. NO. 1 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:\diststd\22x34\to22.dgn	USER NAME = geglianobt	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN	C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 50.000 "/ IN.	DRAWN -	REVISED - R. MIRS 12-11-97			92	2002-014 RS	COOK	26	26	
	PLOT DATE = 1/4/2008	CHECKED -	REVISED - T. RAMMACHER 02-02-99			TC-22		CONTRACT NO. 62381			
		DATE -	REVISED - C. JUCIUS 01-31-07			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT					
				SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA. 4+45		TO STA. 156+78	