CONTRACT NO. 62056

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2000-112 RS	LAKE	35	1

12/37

11-17-06 Letting, Item 001

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

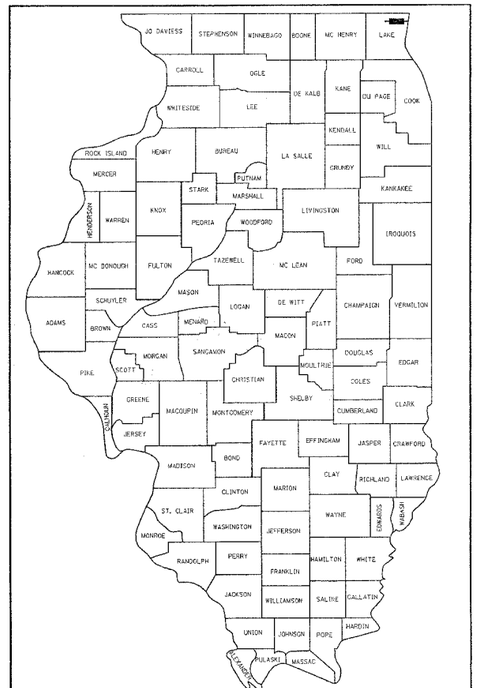
PROPOSED HIGHWAY PLANS

F.A.P. ROUTE 541: GRAND AVE.
IL 131 (GREEN BAY RD.) TO SHERIDAN AVE.
SECTION 2000-112 RS
RESURFACING (MAINTENANCE)
LAKE COUNTY
C-91-485-00

FOR INDEX OF SHEETS, SEE SHEET NO. 2

IMPROVEMENT LOCATED
IN THE CITY OF WAUKEGAN

D-91-485-00

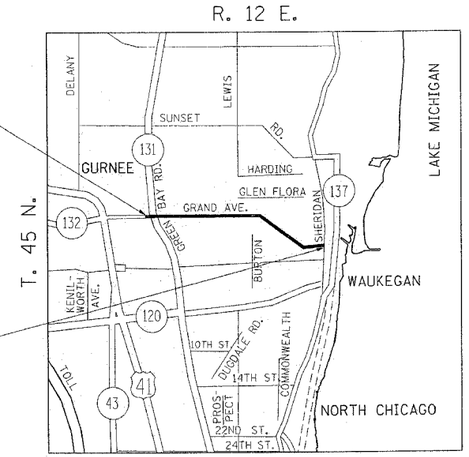


LOCATION OF SECTION INDICATED THUS: –

R. 12 E.

IMPROVEMENT BEGINS:
STATION 2+82

IMPROVEMENT ENDS:
STATION 153+82



WAUKEGAN TOWNSHIP

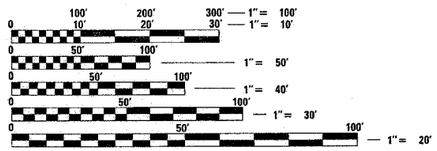
TRAFFIC DATA

2004 ADT = 8,900-22,400

POSTED SPEED = 30-35 MPH

N

GROSS & NET LENGTH OF IMPROVEMENT = 15,100 FEET = 2.86 MILES



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123

CONTRACT NO. 62056

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED Aug. 28 2006
Diane O'Keefe /of
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
October 13, 2006
Mike Hine /PE
ENGINEER OF DESIGN AND ENVIRONMENT
October 13, 2006
Milton R Sees, P.E. /PE
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

DISTRICT ONE - PLAN PREPERATION ENGINEER - KEN ENG/J. CHANG (847) 705-4432

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2000-112 RS	LAKE	35	2
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 62056

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES.
3-4	SUMMARY OF QUANTITIES
5-8	EXISTING AND PROPOSED TYPICAL SECTIONS
9-15	ROADWAY AND PAVEMENT MARKING PLANS
16-22	DETECTOR LOOP REPLACEMENT PLANS
23	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING
24	PAVEMENT PATCHING FOR BITUMINOUS SURFACED PAVEMENT
25	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
26	BUTT JOINT AND BITUMINOUS TAPER DETAILS
27	BITUMINOUS TAPER AT EDGE OF P.C.C. PAVEMENT
28	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
29	TYPICAL APPLICATIONS: RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)
30	DISTRICT ONE TYPICAL PAVEMENT MARKINGS
31	TRAFFIC CONTROL AND PROTECTION OF TURN BAYS (TO REMAIN OPEN TO TRAFFIC)
32	PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
33	TEMPORARY INFORMATION SIGNING
34	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN
35	DISTRICT 1 DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING
35A	DRIVEWAY DETAILS DISTANCE BETWEEN R.O.W. AND FACE OF CURB/EDGE OF SHOULDER ≥ 4.5 M (15')
35B	DRIVEWAY DETAILS DISTANCE BETWEEN R.O.W. AND FACE OF CURB < 4.5 M (15')

STATE STANDARDS

STANDARD NO.	DESCRIPTION
000001-04	TYPICAL SYMBOLS, ABBREVIATIONS AND PATTERNS
442201-01	CLASS C AND D PATCHES
604001-02	FRAME AND LIDS, TYPE 1
604086-01	FRAME AND GRATE, TYPE 23
606001-02	CONCRETE CURB AND COMBINATION CONCRETE CURB AND GUTTER
701502-01	URBAN LANE CLOSURE, 2L, 2W, WITH BIDIRECTIONAL LEFT TURN LANE
701606-04	URBAN LANE CLOSURE, MULTILANE 2W WITH MOUNTABLE MEDIAN
701701-04	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-03	LANE CLOSURE, MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
702001-04	TRAFFIC CONTROL DEVICES
886001	DETECTOR LOOP INSTALLATION
886006	TYPICAL LAYOUT FOR DETECTION LOOPS

GENERAL NOTES

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

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE CITY OF WAUKEGAN.

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

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

THE RESIDENT ENGINEER SHALL CONTACT MS. DEBBIE HANLON, AREA TRAFFIC FIELD ENGINEER, AT (847) 438-2300 A MINIMUM OF 72 HOURS PRIOR TO PLACEMENT OF FINAL PAVEMENT MARKINGS.

3 METERS (10 FEET) TRANSITION SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER TO EXISTING CURB AND GUTTERS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITION SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.

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

LOCATIONS OF CLASS D PATCHING, BITUMINOUS SURFACE REMOVAL (VARIABLE DEPTH), AND COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT TO BE DETERMINED IN THE FIELD BY THE RESIDENT ENGINEER.

THE CONTRACTOR SHALL CONTACT THE ARTERIAL TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

THE CONTRACTOR SHALL PROVIDE SALT TOLERANT SOD AND 4 INCH TOPSOIL RESTORATION IN ALL AREAS OF EXISTING PARKWAY DISTURBED AS A RESULT OF CONSTRUCTION ACTIVITIES LIKE CURB AND GUTTER, SIDEWALK OR DRIVEWAY REMOVAL AND REPLACEMENT. THIS WILL NOT BE PAID FOR SEPERATELY, BUT SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER, SIDEWALK OR DRIVEWAY REMOVAL AND REPLACEMENT.

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES

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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2000-112 RS	LAKE	35	3
FED. ROAD DIST. NO. 1	ILLINOIS	HIGHWAY PROJECT		

CONTRACT NO. 62056

SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE: 100% STATE ROADWAY I000	PARKING LANES 50% STATE 50% CITY Y025	100% CITY Y060
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	40	39	1	
40600300	AGGREGATE (PRIME COAT)	TON	200	195	5	
40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	32	31	1	
40600895	CONSTRUCTING TEST STRIP	EACH	2	2		
40600980	BITUMINOUS SURFACE REMOVAL - BUTT JOINT	SQ YD	640	640		
40601000	BITUMINOUS REPLACEMENT OVER PATCHES	TON	310	310		
42001300	PROTECTIVE COAT	SQ YD	500	500		
44000004	BITUMINOUS SURFACE REMOVAL 1"	SQ YD	1000	1000		
44000030	BITUMINOUS SURFACE REMOVAL (VARIABLE DEPTH)	SQ YD	1400	1400		
44000112	BITUMINOUS REMOVAL OVER PATCHES 3"	SQ YD	1800	1800		
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	450	450		
44001700	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	2000	2000		
44003510	MEDIAN REMOVAL (PARTIAL DEPTH)	SQ FT	15000	15000		
44201753	CLASS D PATCHES, TYPE II, 9 INCH	SQ YD	1048	1048		
44201757	CLASS D PATCHES, TYPE III, 9 INCH	SQ YD	126	126		
44201759	CLASS D PATCHES, TYPE IV, 9 INCH	SQ YD	43	43		
55039700	STORM SEWERS TO BE CLEANED	FOOT	1900	1900		
60249500	VALVE BOXES 8"	EACH	49			49
60250200	CATCH BASINS TO BE ADJUSTED	EACH	30	30		
60254330	CATCH BASINS TO BE RECONSTRUCTED WITH NEW TYPE 23 FRAME AND GRATE	EACH	14	14		
60255600	MANHOLES TO BE ADJUSTED (SPECIAL)	EACH	16	10		6
60258200	MANHOLES TO BE RECONSTRUCTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1			1
60260100	INLETS TO BE ADJUSTED	EACH	29	29		
60266910	VALVE BOXES TO BE REMOVED	EACH	49			49
60300310	FRAMES AND LIDS TO BE ADJUSTED (SPECIAL)	EACH	183	183		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6		
67100100	MOBILIZATION	L SUM	1	1		

SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE: 100% STATE ROADWAY I000	PARKING LANES 50% STATE 50% CITY Y025	100% CITY Y060
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	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	19500	19500		
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	900	900		
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	51000	51000		
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	5000	5000		
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	600	600		
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	1300	1300		
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	850	850		
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	35100	35100		
*78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	900	900		
*78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	51000	51000		
*78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	5000	5000		
*78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	600	600		
*78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1300	1300		
*78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	850	850		
*78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	2730	2730		
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	1917	1917		
*88600600	DETECTOR LOOP REPLACEMENT	FOOT	2997	2997		

* SPECIALTY ITEM

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

PLOT DATE: 9/8/2006

9/8/2006
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2000-112 RS	LAKE	35	4

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

CONTRACT NO. 62056

SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE: 100% STATE ROADWAY I000	PARKING LANES 50% STATE 50% CITY Y025	100% CITY Y060			
X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	52	52					
X3550010	BITUMINOUS BASE COURSE SUPERPAVE	TON	210	210					
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	29	29					
X4066414	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "C", N50	TON	60	60					
X4066426	BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIX "D", N70	TON	8100	7920	180				
X4067100	POLYMERIZED LEVELING BINDER (MACHINE METHOD), SUPERPAVE, IL-4.75, N50	TON	4500	4410	90				
X4400100	PORTLAND CEMENT CONCRETE SURFACE REMOVAL (VARIABLE DEPTH)	SQ YD	6800	6800					
X4409410	BITUMINOUS SURFACE REMOVAL 2 1/4"	SQ YD	64200	62120	2080				
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	59	59					

✳ SPECIALTY ITEM

SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	TOTAL QUANTITIES	CONSTRUCTION TYPE CODE					

REVISIONS	
NAME	DATE

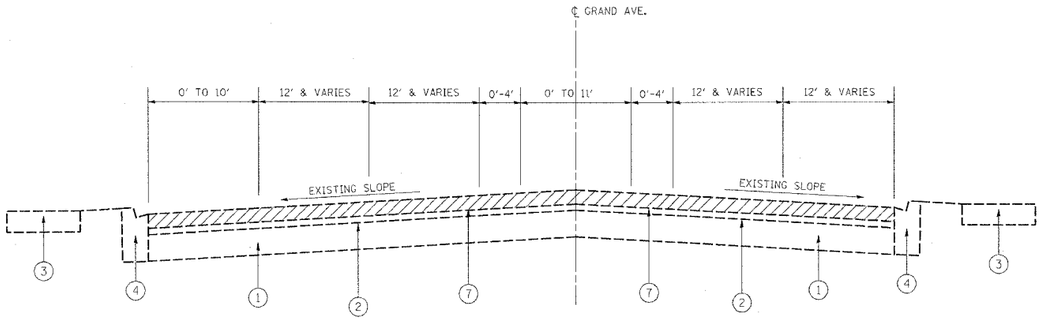
ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

PLOT DATE: 9/8/2006

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2000-112 RS	LAKE	35	5
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 62056



EXISTING TYPICAL SECTION
GRAND AVE.

STATION
2+82 TO 13+91

LEGEND

REMOVAL

(1) EXISTING PCC BASE COURSE, 9"(±)

(2) EXISTING BIT. CONCTRETE SURFACE COURSE, 3"(±)

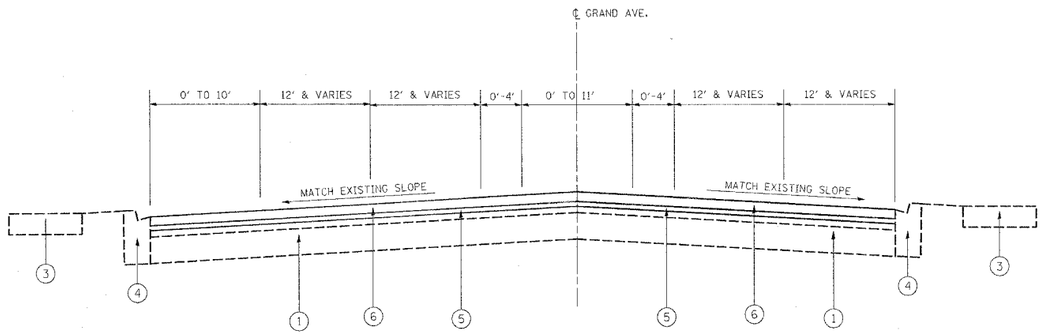
(3) EXISTING PCC SIDEWALK (LOCATION VARIES)

(4) EXISTING TYPE B-6.24 CURB & GUTTER
B-6.12 CURB & GUTTER FROM
11+80 TO 13+91 ON NORTH
12+31 TO 13+91 ON SOUTH

(5) PROPOSED POLYMERIZED LEVELING BINDER (MM), SUPERPAVE, IL-4.75, N50, 3/4"

(6) PROPOSED BIT. CONC. SURFACE COURSE, SUPERPAVE, MIX "D", N70, 1 1/2"

(7) BITUMINOUS SURFACE REMOVAL - 2 1/4"



PROPOSED TYPICAL SECTION
GRAND AVE.

STATION
2+82 TO 13+91

BITUMINOUS MIXTURE REQUIREMENTS

MIXTURE USE	AC TYPE	MAX RAP. (%)	AIR VOIDS (%)
POLYMERIZED LEVELING BINDER (MM), SUPERPAVE, IL-4.75, N50	SBS/SBR 76-28	0%	2.5% @ 50 GYR
BIT. CONC. SURFACE COURSE, SUPERPAVE, MIX "D" N70	PG 64-22	10%	4% @ 70 GYR
BIT. REPLACEMENT OVER PATCHES, IL-19.0 MM	PG 64-22	15%	4% @ 70 GYR
CLASS D PATCHES, IL-19.0, 9"	PG 64-22	15%	4% @ 70 GYR

THE UNIT WEIGHT USED TO CALCULATE ALL BITUMINOUS SURFACE MIXTURE QUANTITIES IS 112 LBS/SY/IN.

DRIVEWAYS (PE & CE)

BITUMINOUS BASE COURSE SUPERPAVE	PG 58-22	50%	2% @ 50 GYR
BIT. CONC. SURFACE COURSE, SUPERPAVE, MIX "C" N50	PG 64-22	15%	4% @ 50 GYR

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GRAND AVE.
EXISTING AND PROPOSED
TYPICAL SECTIONS

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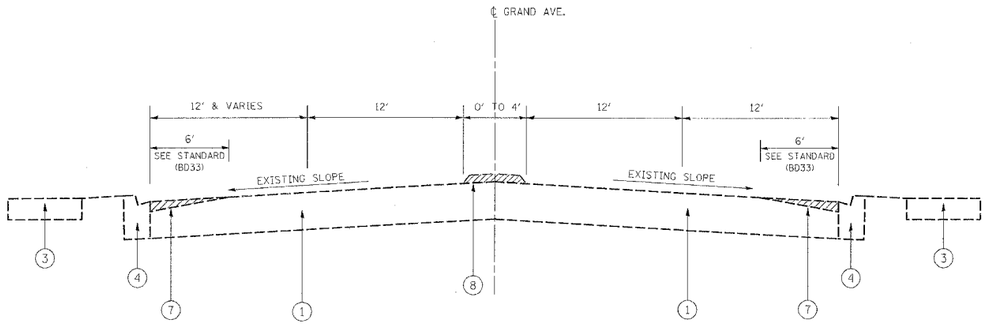
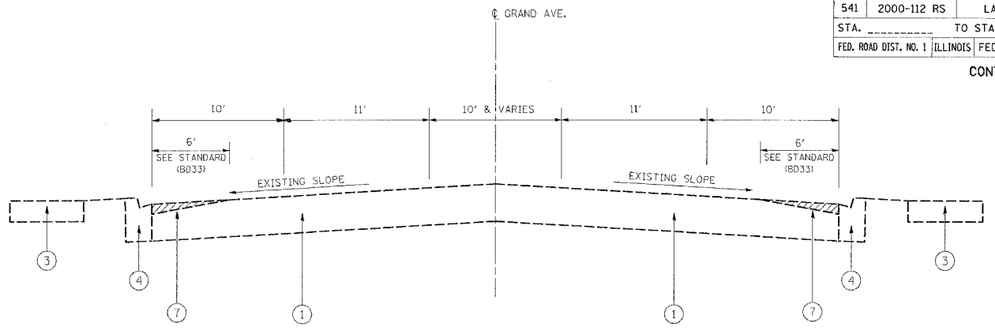
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2000-112 RS	LAKE	35	6
STA. _____	TO STA. _____			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 62056



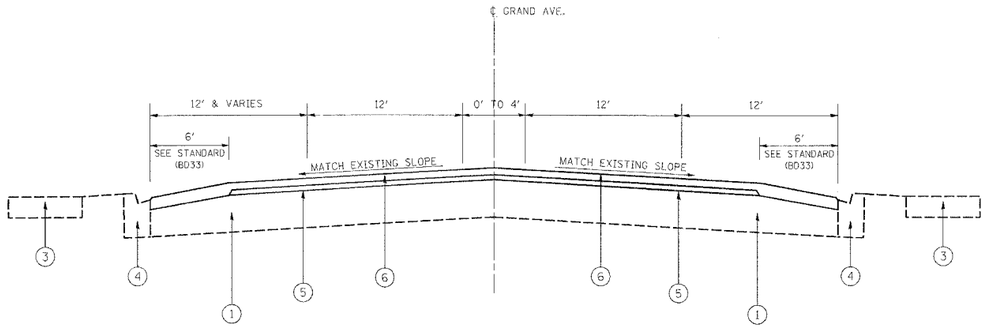
EXISTING TYPICAL SECTION
GRAND AVE.

STATION
13+91 TO 46+61
52+81 TO 64+91



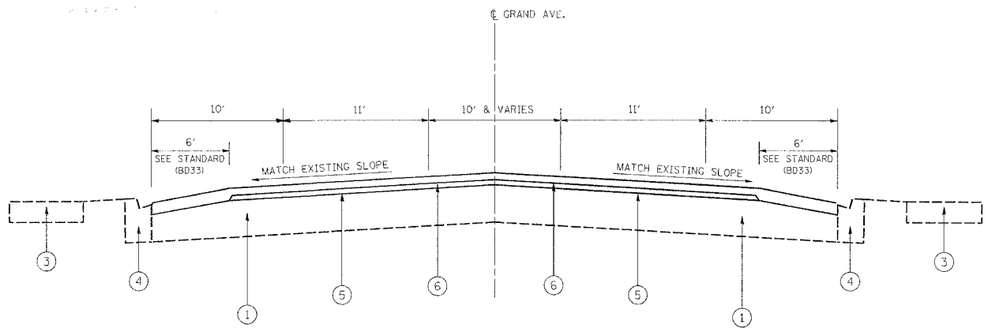
EXISTING TYPICAL SECTION
GRAND AVE.

STATION
46+61 TO 49+00
50+17 TO 52+81



PROPOSED TYPICAL SECTION
GRAND AVE.

STATION
13+91 TO 46+61
52+81 TO 64+91



EXISTING TYPICAL SECTION
GRAND AVE.

STATION
46+61 TO 49+00
50+17 TO 52+81

LEGEND

REMOVAL

(1) EXISTING PCC BASE COURSE, 9"(±)
(2) EXISTING BIT. CONCTRETE SURFACE COURSE, 3"(±)
(3) EXISTING PCC SIDEWALK, (LOCATION VARIES)
(4) EXISTING TYPE B-6.12 CURB & GUTTER
(5) PROPOSED POLYMERIZED LEVELING BINDER (MM), SUPERPAVE, IL-4.75, N50, 1"
(6) PROPOSED POLYMERIZED BIT. CONC. SURFACE COURSE, SUPERPAVE, MIX "D", N70, 1 1/2
(7) P.C.C. SURFACE REMOVAL (VARIABLE DEPTH)
(8) MEDIAN REMOVAL, PARTIAL DEPTH

NOTE:

THE MCAREE RD. INTERSECTION FROM STA. 49+00 TO 50+17 IS BITIMINOUS AND WILL HAVE THE FOLLOWING:

BITUMINOUS SURFACE REMOVAL, 1"
POLYMERIZED LEVELING BINDER (MM), SUPERPAVE, IL-4.75, N50, 1"
BITUMINOUS SURFACE COURSE, SUPERPAVE, MIX "D", N70, 2 1/2"

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GRAND AVE.
EXISTING AND PROPOSED
TYPICAL SECTIONS

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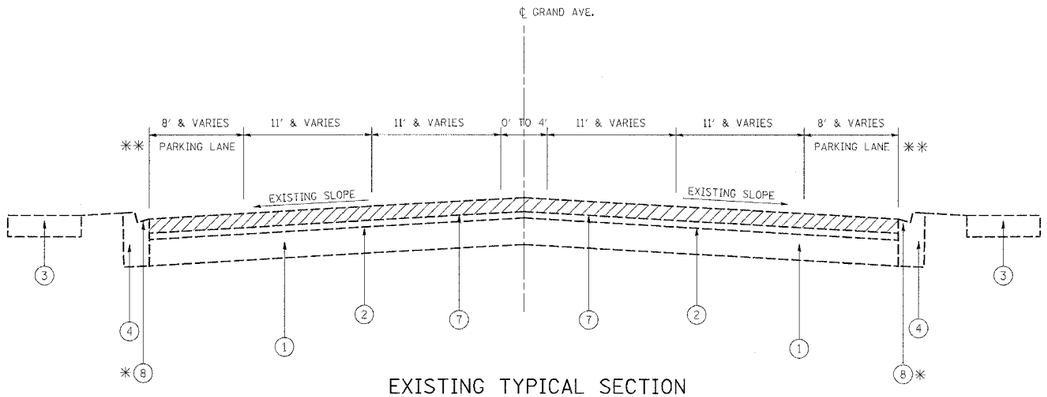
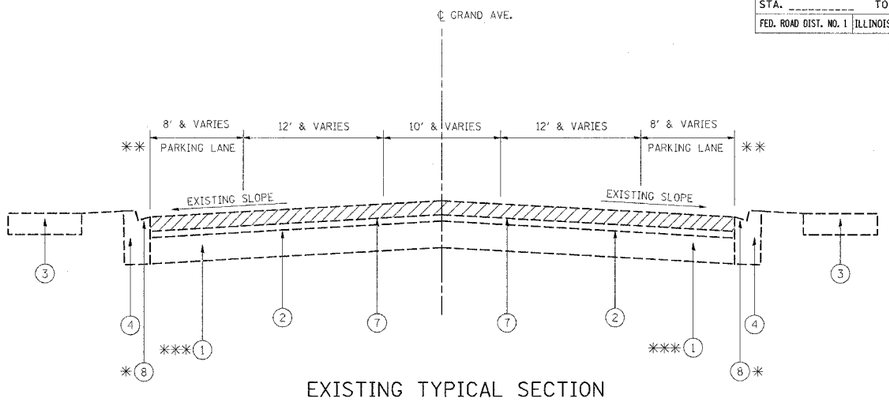
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2000-112 RS	LAKE	35	7
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 62056



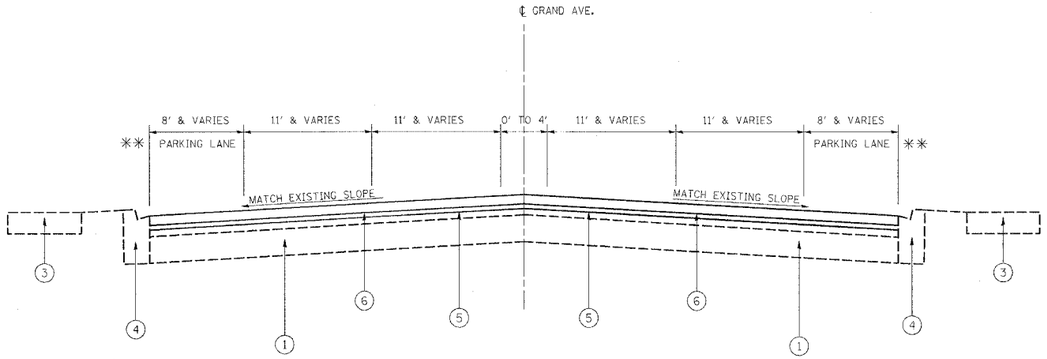
EXISTING TYPICAL SECTION
GRAND AVE.

STATION
64+91 TO 76+00



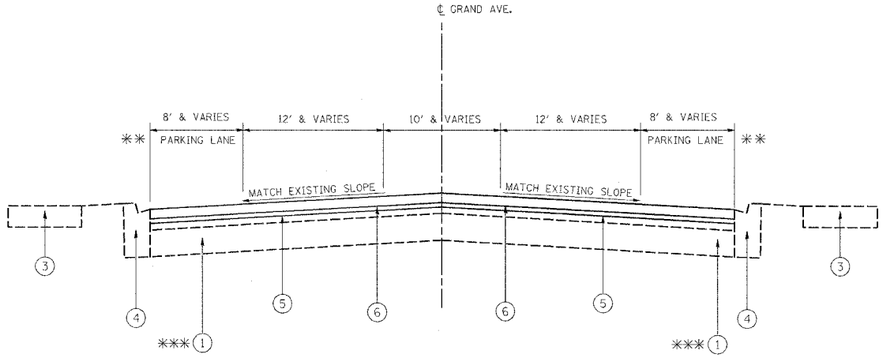
EXISTING TYPICAL SECTION
GRAND AVE.

STATION
76+00 TO 93+00



PROPOSED TYPICAL SECTION
GRAND AVE.

STATION
64+91 TO 76+00



PROPOSED TYPICAL SECTION
GRAND AVE.

STATION
76+00 TO 93+00

LEGEND

REMOVAL

(1) EXISTING PCC BASE COURSE, 9"(±) ***

(2) EXISTING BIT. CONCTRETE SURFACE COURSE, 3" & VARIES

(3) EXISTING PCC SIDEWALK, (LOCATION VARIES)

(4) EXISTING TYPE B-6.12 CURB & GUTTER

(5) PROPOSED POLYMERIZED LEVELING BINDER (MM), SUPERPAVE, IL-4.75, N50, 3/4"

(6) PROPOSED POLYMERIZED BIT. CONC. SURFACE COURSE, SUPERPAVE, MIX "D", N70, 1 1/2"

(7) BITUMINOUS SURFACE REMOVAL - 2 1/4 "

(8) BITUMINOUS SURFACE REMOVAL (VARIABLE DEPTH) *

NOTE:

* STA. 73+10 TO STA. 84+00 AND
STA. 97+00 TO STA. 146+75

** EXACT PARKING LANE LOCATIONS SHOWN ON ROADWAY AND PAVEMENT MARKING PLAN SHEETS

*** VARIOUS PAVEMENT CORES AT THE CENTER PORTION OF GRAND AVE. SHOWS 3"-4 1/2" OF BRICK BASE (NO P.C.C.)

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GRAND AVE.
EXISTING AND PROPOSED TYPICAL SECTIONS

SCALE: VERT.
HORIZ.

DATE

DRAWN BY

CHECKED BY

PLOT DATE = 8/28/2006
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USER NAME = wligreensp

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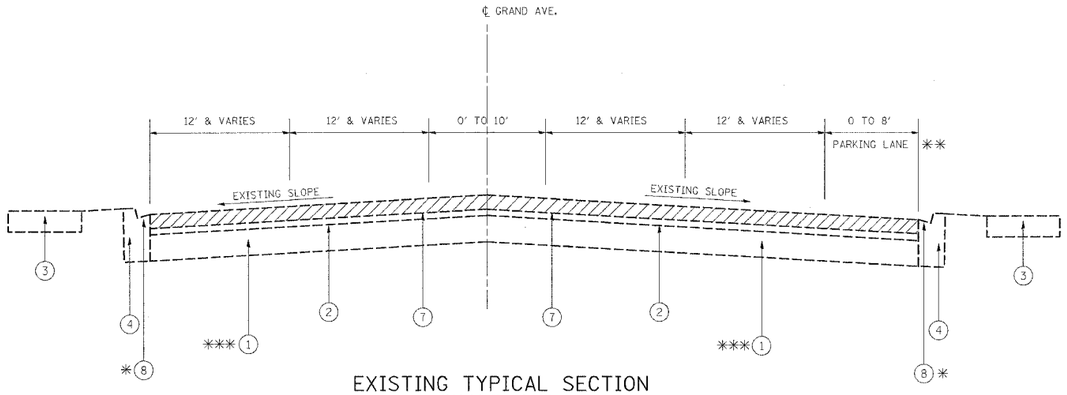
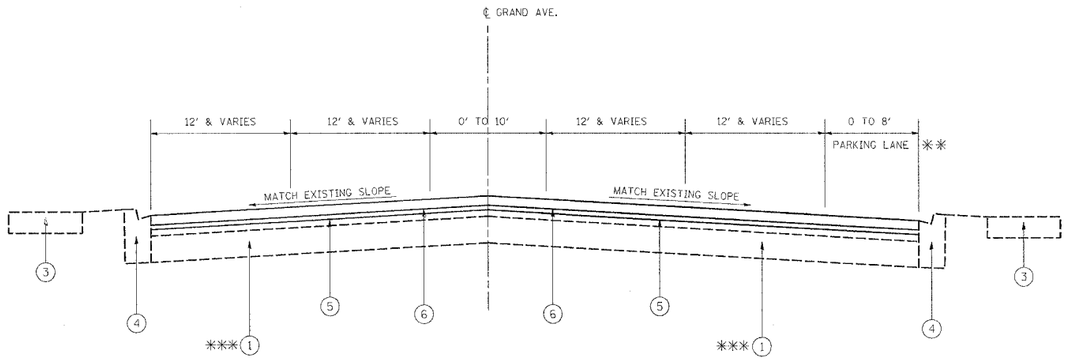
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2000-112 RS	LAKE	35	8
STA. _____	TO STA._____			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 62056



EXISTING TYPICAL SECTION
GRAND AVE.

STATION
93+00 TO 153+82



PROPOSED TYPICAL SECTION
GRAND AVE.

STATION
93+00 TO 153+82

LEGEND

REMOVAL

(1) EXISTING PCC BASE COURSE, 9"(±) ***

(2) EXISTING BIT. CONCTRETE SURFACE COURSE, 3" & VARIES

(3) EXISTING PCC SIDEWALK, (LOCATION VARIES)

(4) EXISTING TYPE B-6.12 CURB & GUTTER

(5) PROPOSED POLYMERIZED LEVELING BINDER (MM), SUPERPAVE, IL-4.75, N50, 3/4"

(6) PROPOSED POLYMERIZED BIT. CONC. SURFACE COURSE, SUPERPAVE, MIX "D", N70, 1 1/2"

(7) BITUMINOUS SURFACE REMOVAL - 2 1/4 "

(8) BITUMINOUS SURFACE REMOVAL (VARIABLE DEPTH) *

NOTE:

* STA. 73+10 TO STA. 84+00 AND
STA. 97+00 TO STA. 146+75

** EXACT PARKING LANE LOCATIONS SHOWN ON ROADWAY AND PAVEMENT MARKING PLAN SHEETS

*** VARIOUS PAVEMENT CORES AT THE CENTER PORTION OF GRAND AVE. SHOWS 3"-4 1/2" OF BRICK BASE (NO P.C.C.)

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GRAND AVE.
EXISTING AND PROPOSED
TYPICAL SECTIONS

SCALE: VERT. HORIZ.
DATE
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CHECKED BY

PLOT DATE = 8/28/2008
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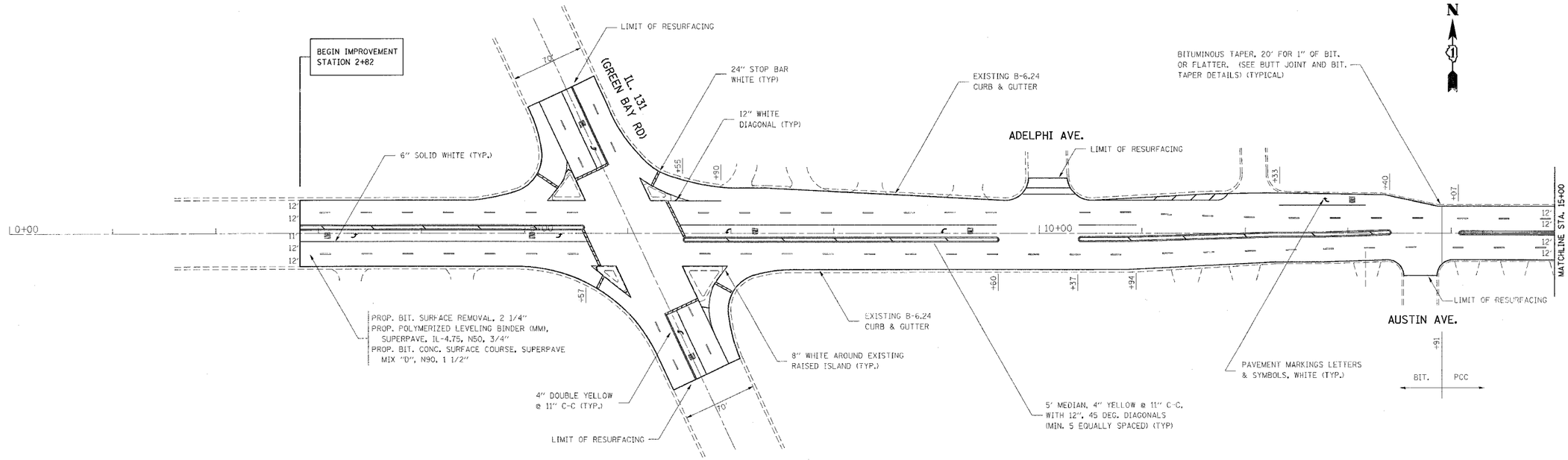
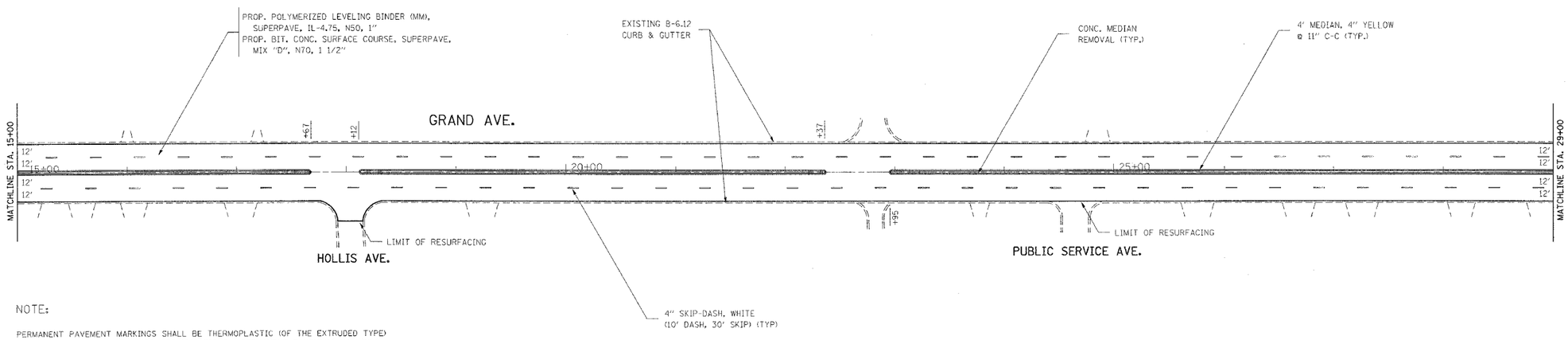
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2000-112 RS	LAKE	35	9
STA. 2+82		TO STA. 29+00		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 62056





NOTE:

PERMANENT PAVEMENT MARKINGS SHALL BE THERMOPLASTIC (OF THE EXTRUDED TYPE) CONFORMING TO IDOT STANDARD SPECIFICATIONS. PERMANENT PAVEMENT MARKINGS SHALL BE PLACED IN ACCORDANCE WITH THE "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" DETAIL (TC-13)

RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE IN ACCORDANCE WITH THE DISTRICT ONE "TYPICAL APPLICATION RAISED REFLECTIVE PAVEMENT MARKERS DETAIL"

THE RESIDENT ENGINEER SHOULD CONTACT MS. DEBBIE HANLON, AREA TRAFFIC ENGINEER AT (847) 438-2300 PRIOR TO PLACING ANY PERMANENT PAVEMENT MARKINGS.

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GRAND AVE. ROADWAY AND PAVEMENT MARKING PLANS

SCALE: VERT. HORIZ. 1"=50"

DATE

DRAWN BY

CHECKED BY

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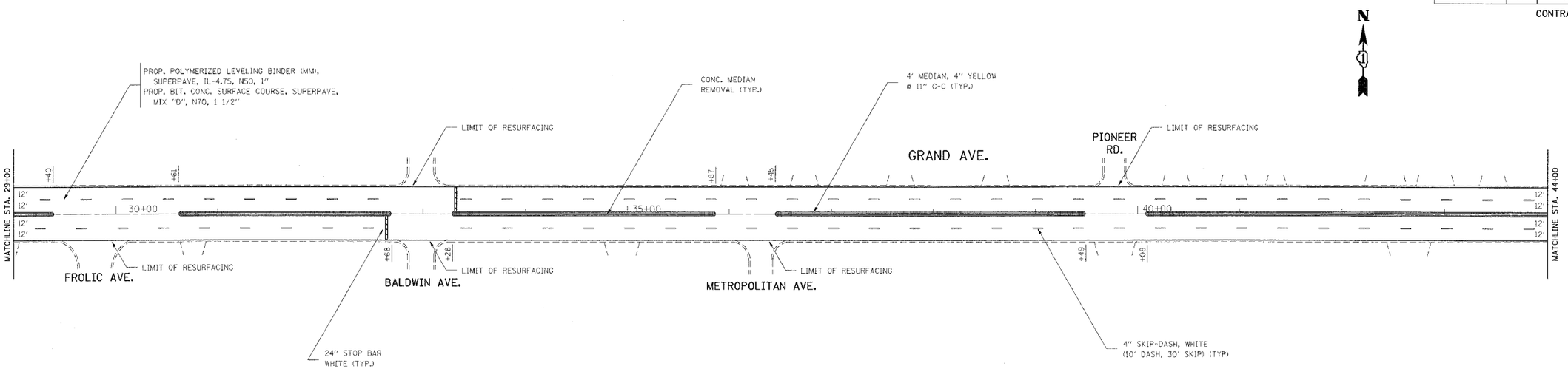
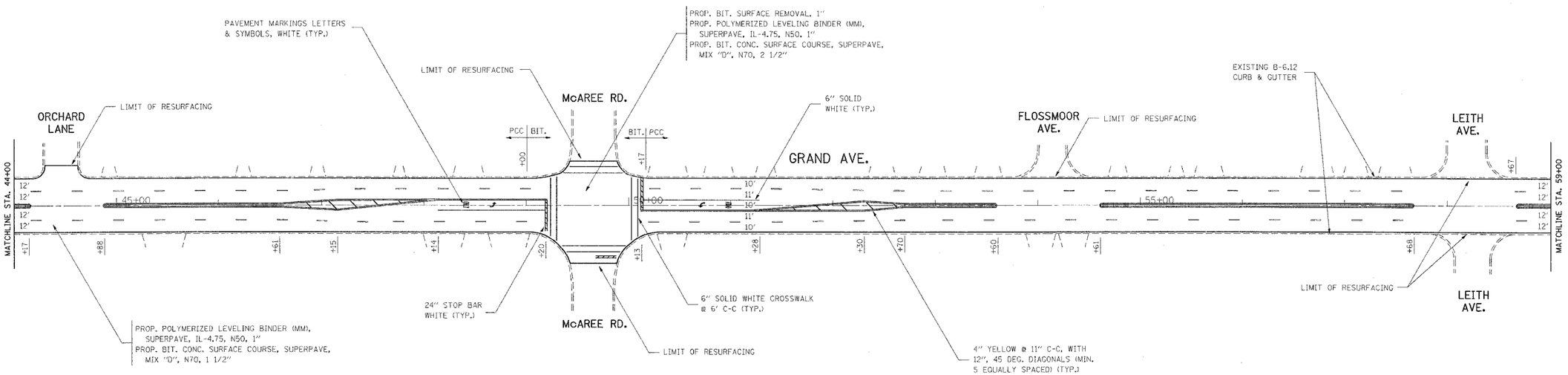
USER NAME = wligrenp

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2000-112 RS	LAKE	35	10
STA. 29+00		TO STA. 59+00		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 62056





NOTE:

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THE RESIDENT ENGINEER SHOULD CONTACT MS. DEBBIE HANLON, AREA TRAFFIC ENGINEER AT (847) 438-2300 PRIOR TO PLACING ANY PERMANENT PAVEMENT MARKINGS.

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GRAND AVE. ROADWAY AND PAVEMENT MARKING PLANS

SCALE: VERT. HORIZ. 1"=50"

DATE

DRAWN BY

CHECKED BY

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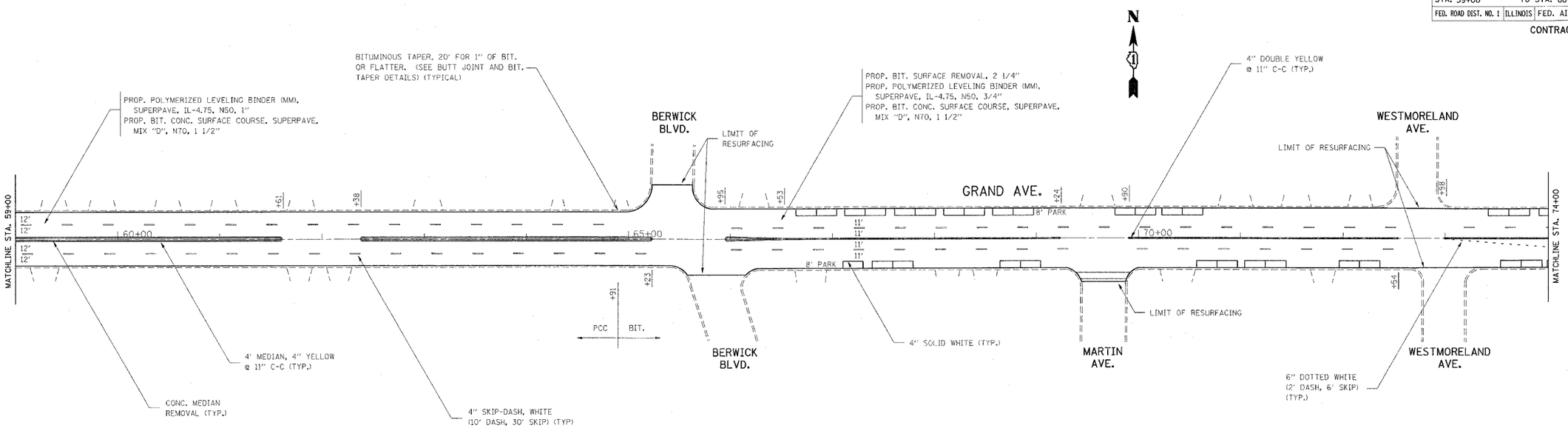
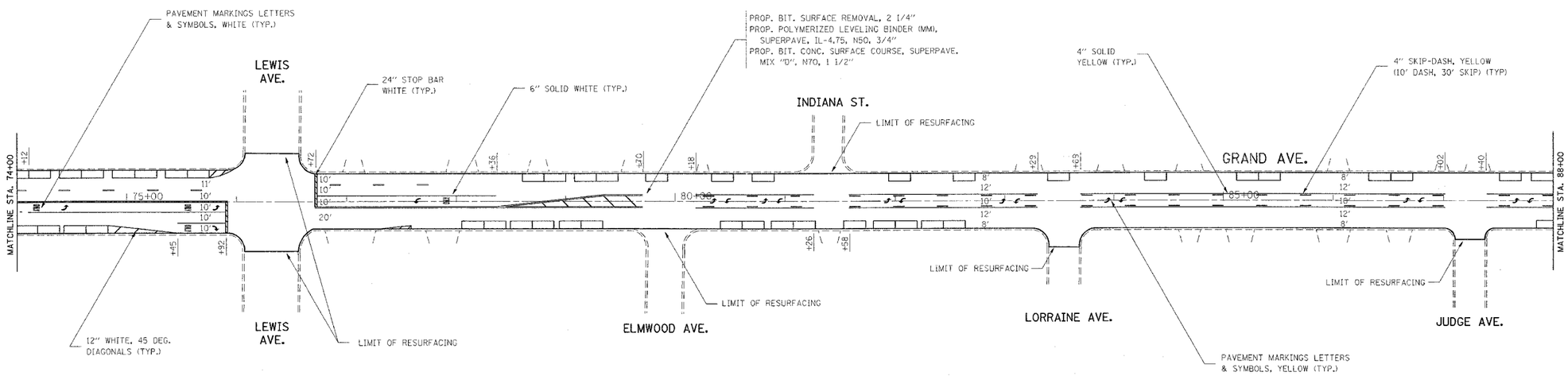
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2000-112 RS	LAKE	35	11
STA. 59+00		TO STA. 88+00		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 62056





NOTE:

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THE RESIDENT ENGINEER SHOULD CONTACT MS. DEBBIE HANLON, AREA TRAFFIC ENGINEER AT (847) 438-2300 PRIOR TO PLACING ANY PERMANENT PAVEMENT MARKINGS.

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GRAND AVE. ROADWAY AND PAVEMENT MARKING PLANS

SCALE: VERT. 1"=50" HORIZ.
DATE
DRAWN BY
CHECKED BY

PLOT DATE = 8/28/2006
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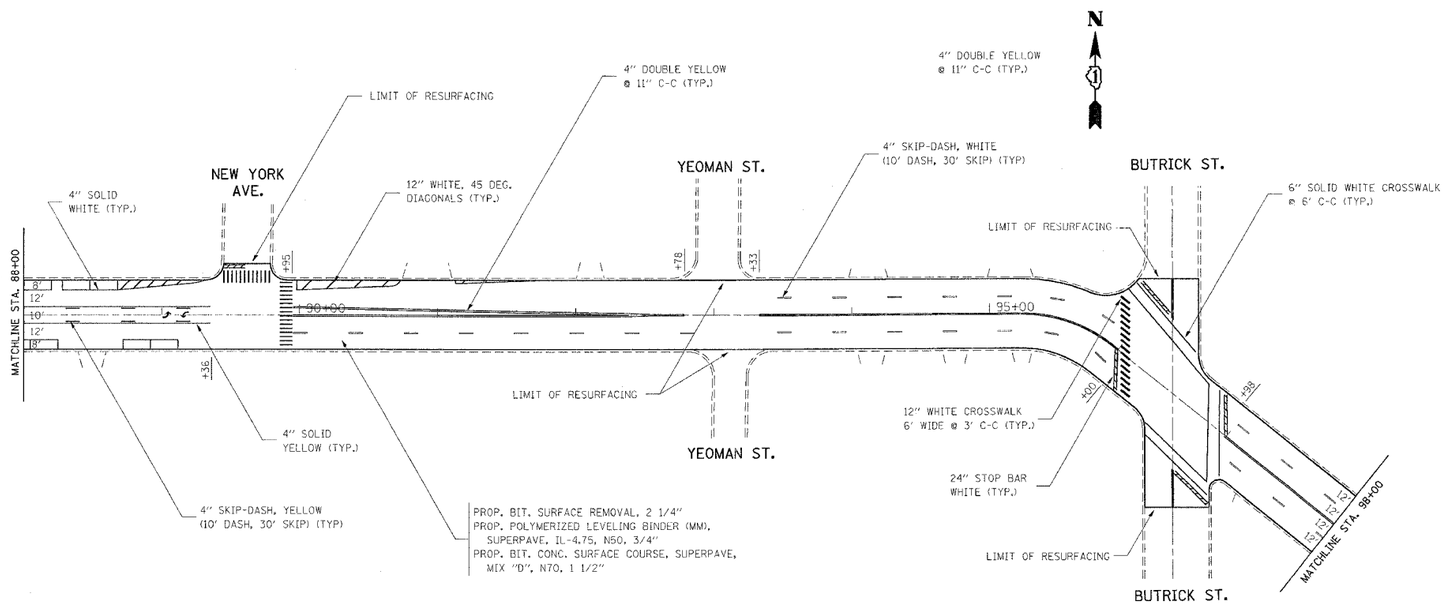
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2000-112 RS	LAKE	35	12
STA. 88+00	TO STA. 98+00			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 62056



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THE RESIDENT ENGINEER SHOULD CONTACT MS. DEBBIE HANLON, AREA TRAFFIC ENGINEER AT (847) 438-2300 PRIOR TO PLACING ANY PERMANENT PAVEMENT MARKINGS.

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GRAND AVE. ROADWAY AND PAVEMENT MARKING PLANS

SCALE: VERT.
HORIZ.
DATE

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CHECKED BY

PLOT DATE = 8/28/2006
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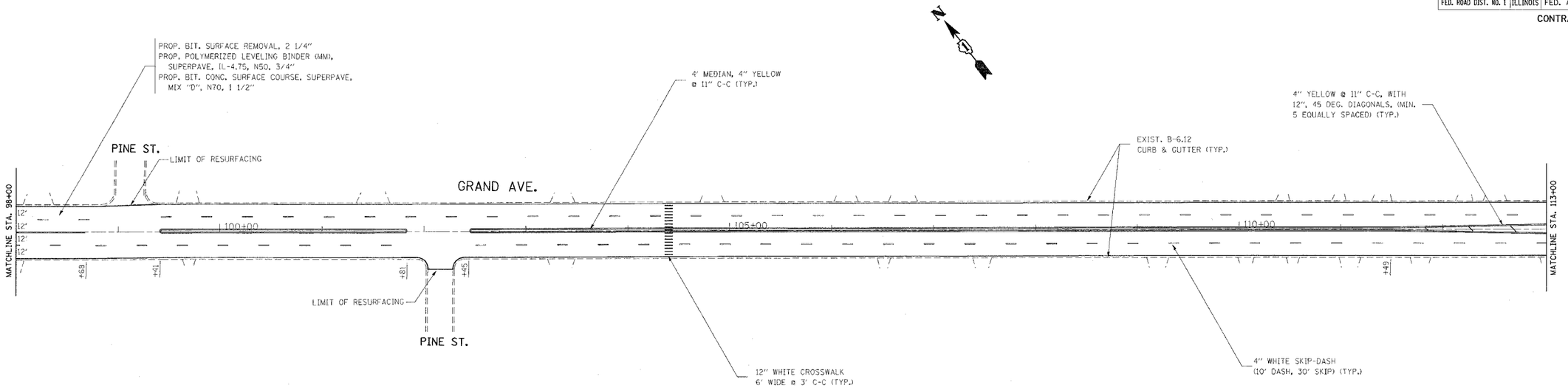
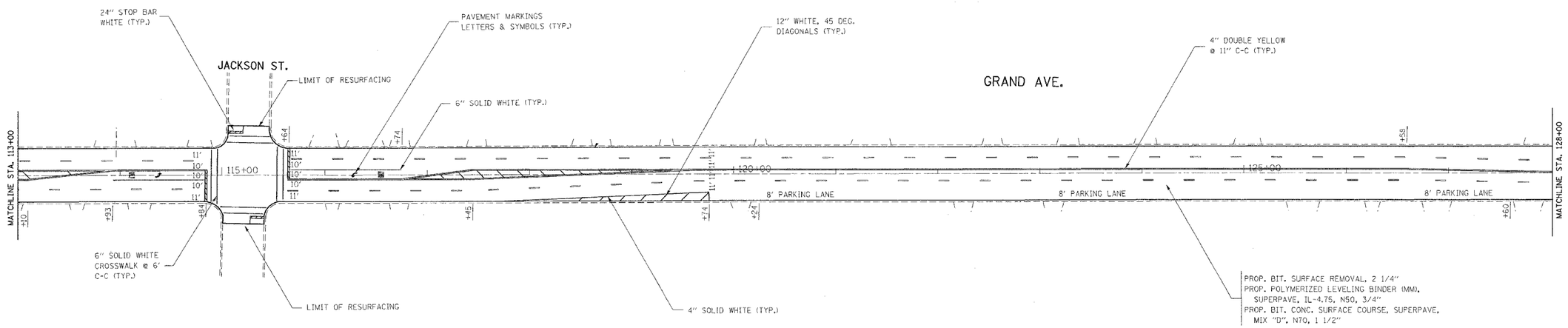
USER NAME = wilgreenb

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2000-112 RS	LAKE	35	13
STA. 98+00		TO STA. 128+00		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 62056





NOTE:

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GRAND AVE. ROADWAY AND PAVEMENT MARKING PLANS

SCALE: VERT. 1"=50" HORIZ.

DRAWN BY

DATE

CHECKED BY

PLOT DATE = 8/28/2006
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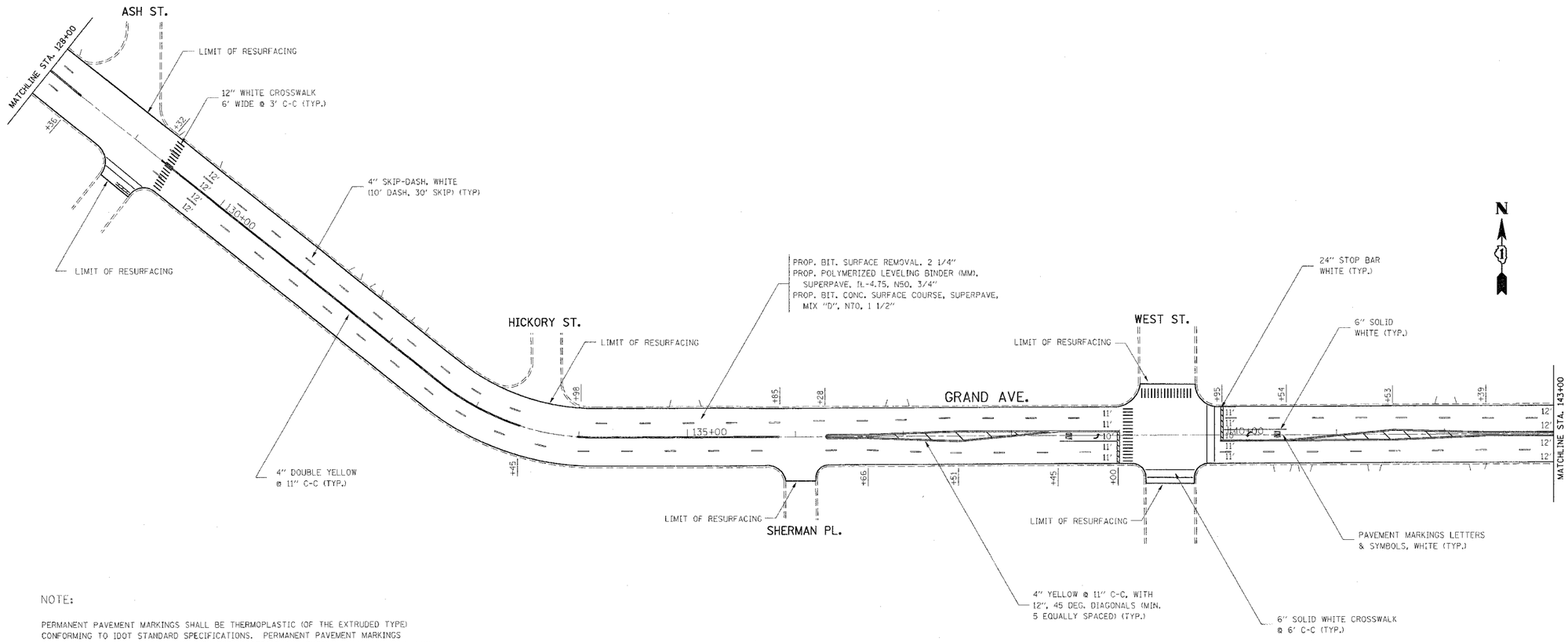
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2000-112 RS	LAKE	35	14
STA. 128+00		TO STA. 143+00		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 62056



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REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

GRAND AVE. ROADWAY AND PAVEMENT MARKING PLANS

SCALE: VERT. 1"=50" HORIZ.

DATE

DRAWN BY

CHECKED BY

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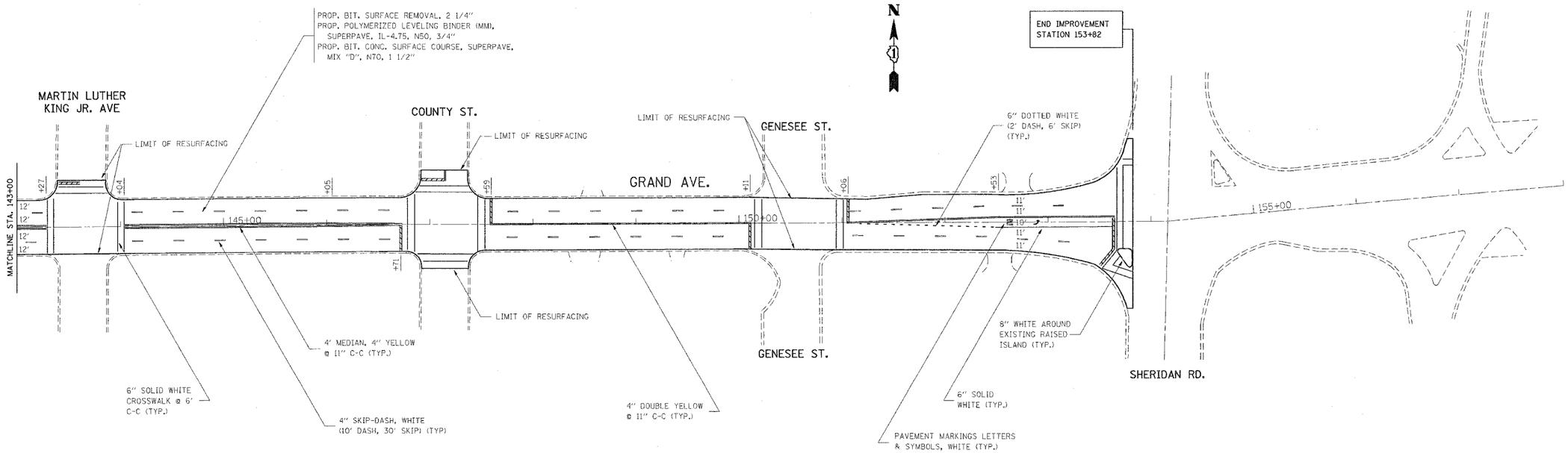
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2000-112 RS	LAKE	35	15
STA. 143+00		TO STA. 153+82		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 62056



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REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

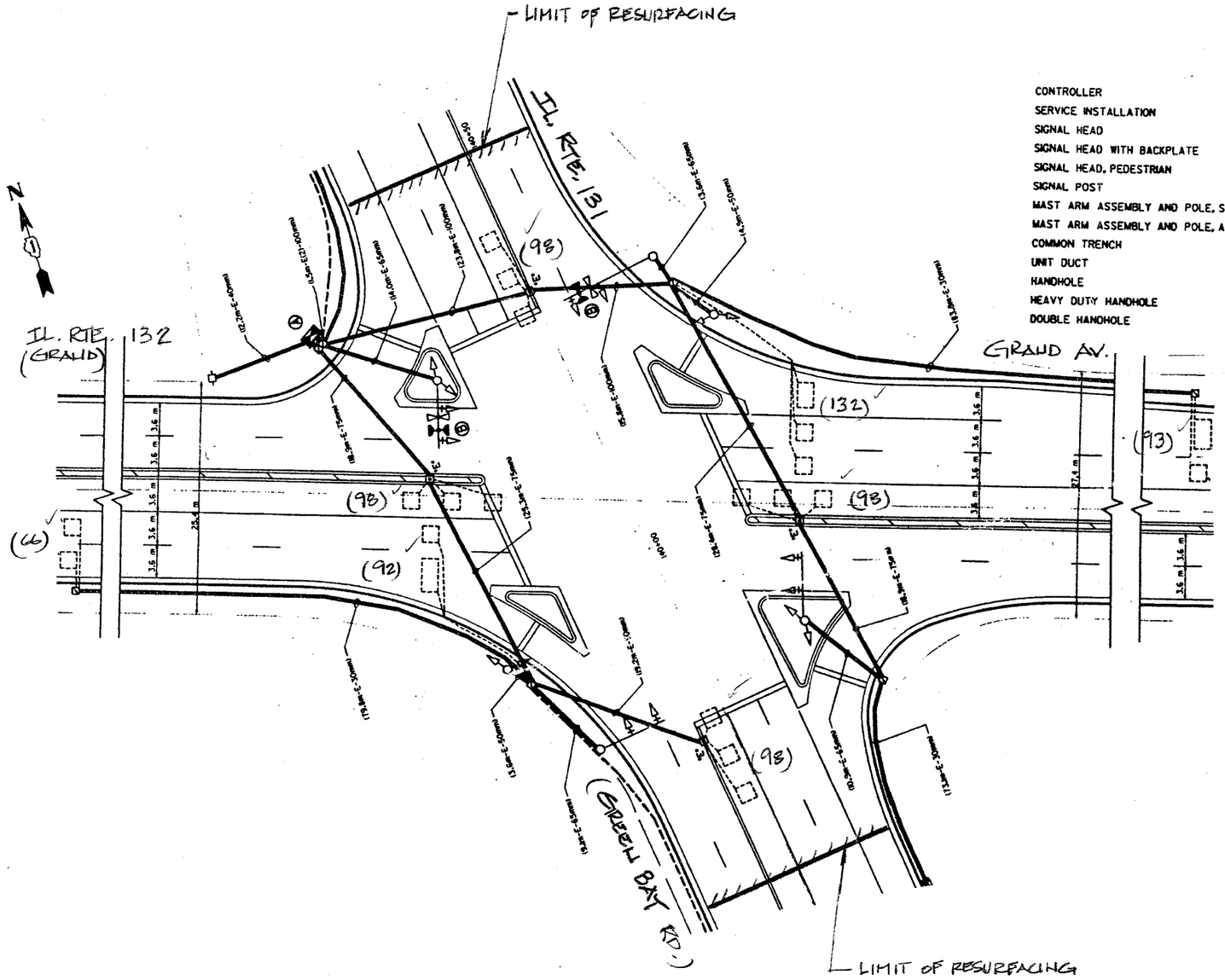
GRAND AVE. ROADWAY AND PAVEMENT MARKING PLANS

SCALE: VERT. 1"=50"
HORIZ.
DATE

DRAWN BY
CHECKED BY

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2000-112 RS	LAKE	35	16
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 62056



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	C.T.	
UNIT DUCT	U.D.	
HANDHOLE	■	⊠
HEAVY DUTY HANDHOLE	■	⊠'E'
DOUBLE HANDHOLE	■	⊠

	PROPOSED	EXISTING
G.S. CONDUIT IN TRENCH OR PUSHED	----------	----------
PEDESTRIAN PUSHBUTTON DETECTOR	●	●
DETECTOR LOOP	□	⬚
CAST IRON JUNCTION BOX	⊕	⊕'E'
EMERGENCY VEHICLE SYSTEM DETECTOR	◀	◁
CONFIRMATION BEACON	◀	◁
SIGNAL HEAD OPTICALLY PROGRAMMED	→'P'	▷'P'
CONDUIT SPLICE	----▭----	
WOOD POLE	⊗	⊗'E'
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II	▭	▭'E'
VEHICLE DETECTOR, NON-COMPENSATED MAGNETIC TYPE	▬	▭
RAILROAD CONTROL CABINET	⊠	⊠'E'

REPLACE ALL DETECTOR LOOPS AS SHOWN

(WITHIN THE RESURFACING LIMITS)

CODE NO.	QUANTITY	UNIT	ITEM
	775 ✓	Foot	Detector Loop Replacement

NOTE:

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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT

ILL. RTE. 131 (GREEN BAY ROAD) AT
ILL. RTE. 132 (GRAND AVENUE)

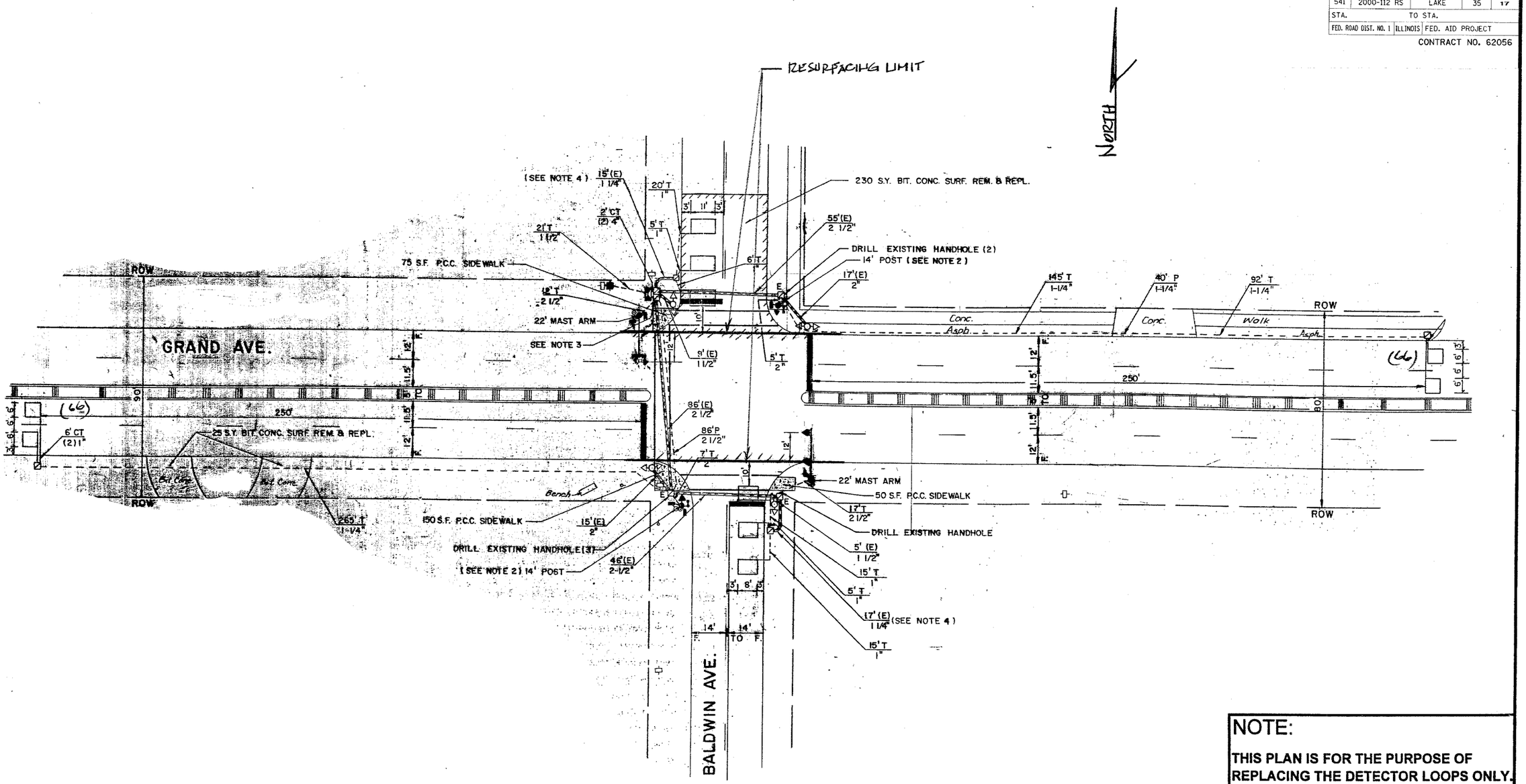
SCALE: NONE

DATE: JUNE 30, 06

DRAWN BY: JHE
DESIGNED BY: JHE
CHECKED BY: DAD

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2000-112 RS	LAKE	35	17
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 62056



REPLACE ALL DETECTOR LOOPS AS SHOWN

(WITHIN THE RESURFACING LIMITS)

CODE NO.	QUANTITY	UNIT	ITEM
	132	Foot	Detector Loop Replacement

NOTE:

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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT

GRAND AV. @ BALDWIN AV.

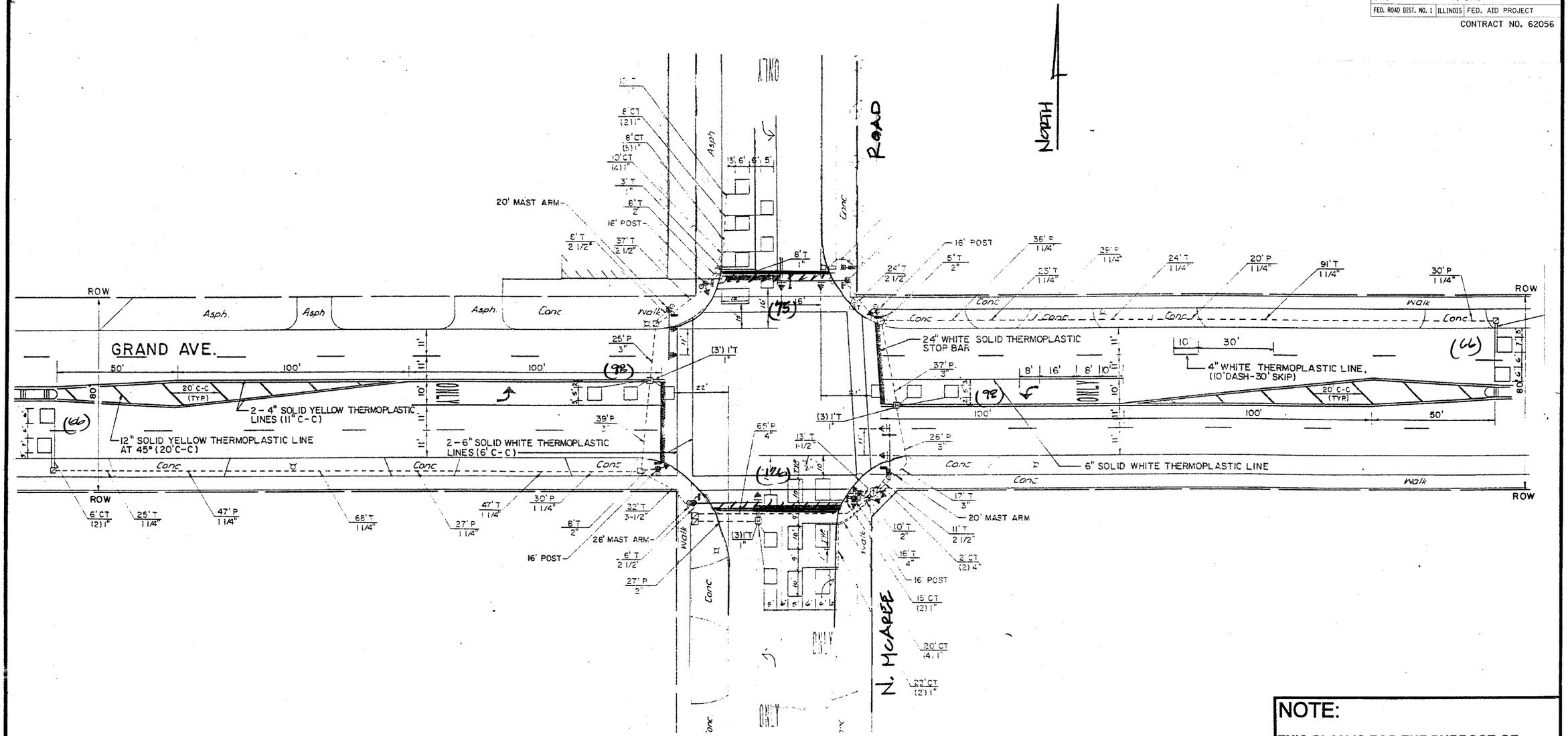
SCALE: NONE

DATE: JUNE 30, 06

DRAWN BY: JHE
DESIGNED BY: JHE
CHECKED BY: D.A.D.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2000-112 RS	LAKE	35	18
STA.		TO STA.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 62056



REPLACE ALL DETECTOR LOOPS AS SHOWN

(WITHIN THE RESURFACING LIMITS)

CODE NO.	QUANTITY	UNIT	ITEM
	529	Foot	Detector Loop Replacement

NOTE:

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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT

GRAND AV. @ McAREE RD.

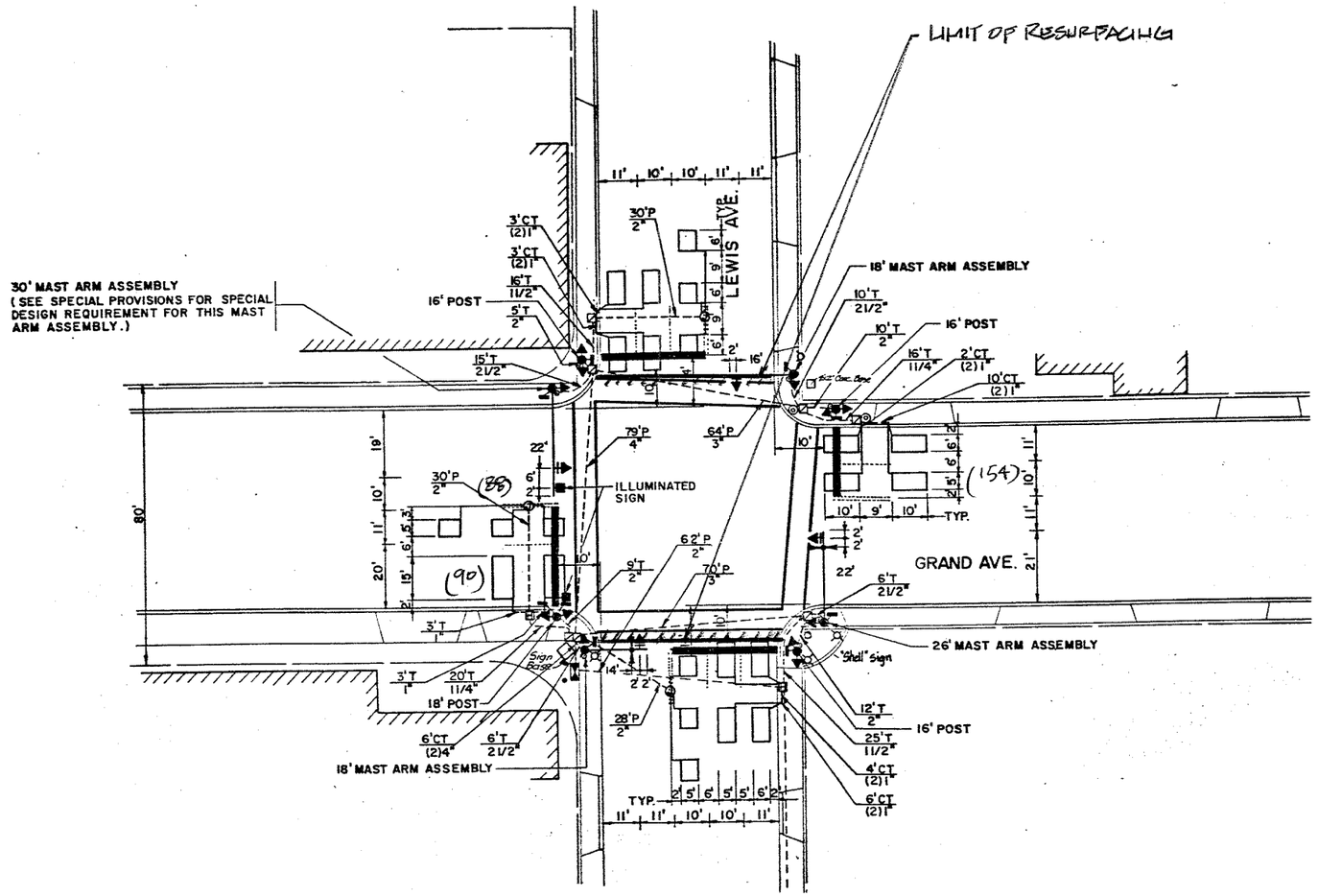
SCALE: NONE

DATE: JUNE 30, 06

DRAWN BY: J.H.E.
DESIGNED BY: J.H.E.
CHECKED BY: D.A.D.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2000-112 RS	LAKE	35	19
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 62056



REPLACE ALL DETECTOR LOOPS AS SHOWN

(WITHIN THE RESURFACING LIMITS)

CODE NO.	QUANTITY	UNIT	ITEM
	332	Foot	Detector Loop Replacement

NOTE:

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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT

LEWIS AVE. & GRAND AVE.

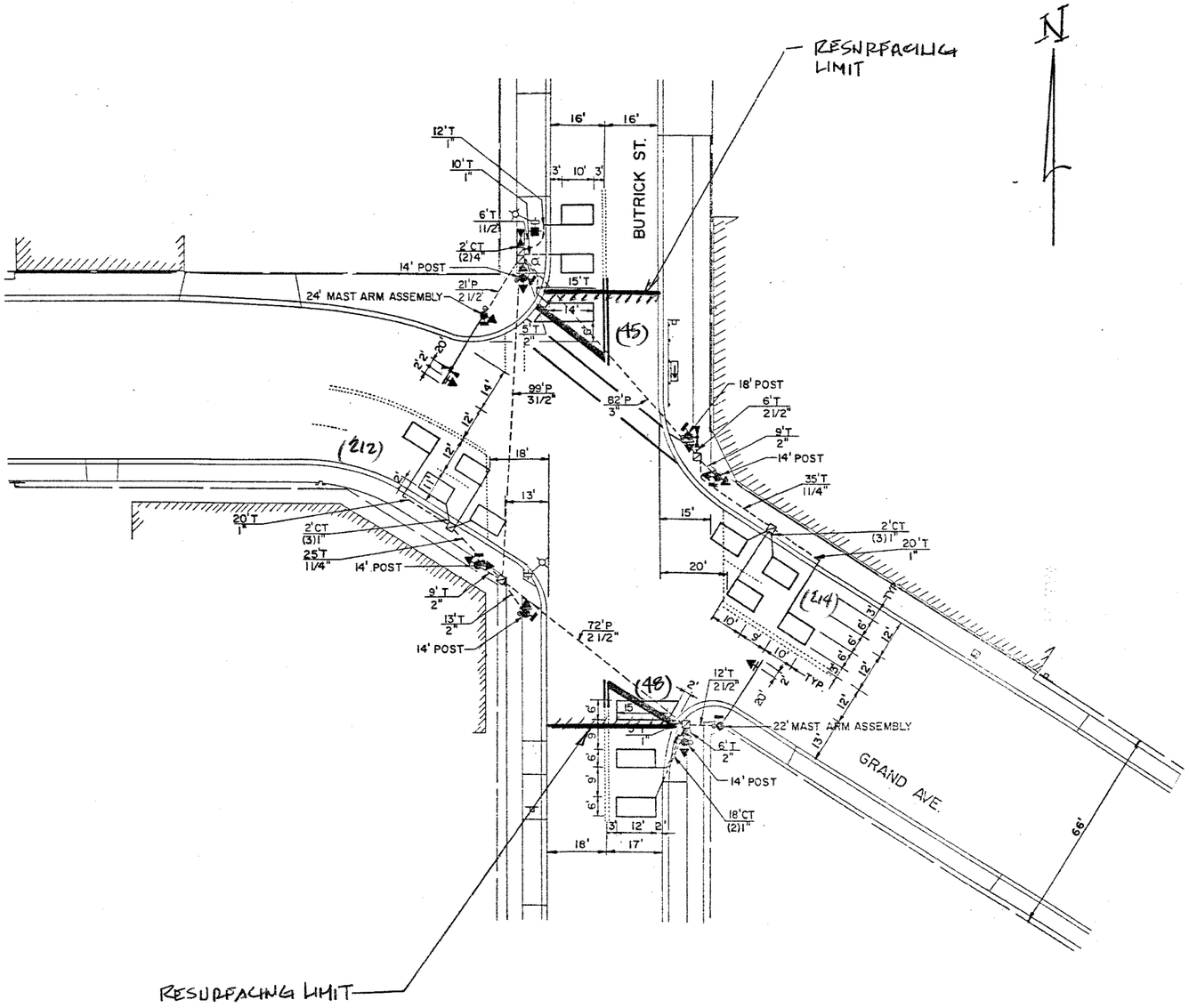
SCALE None

DATE June 30, 06

DRAWN BY JHE
DESIGNED BY: JHE
CHECKED BY: DAD

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2000-112 RS	LAKE	35	20
STA.		TO STA.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 62056



REPLACE ALL DETECTOR LOOPS AS SHOWN

(WITHIN THE RESURFACING LIMITS)

CODE NO.	QUANTITY	UNIT	ITEM
	519	Foot	Detector Loop Replacement

NOTE:

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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT

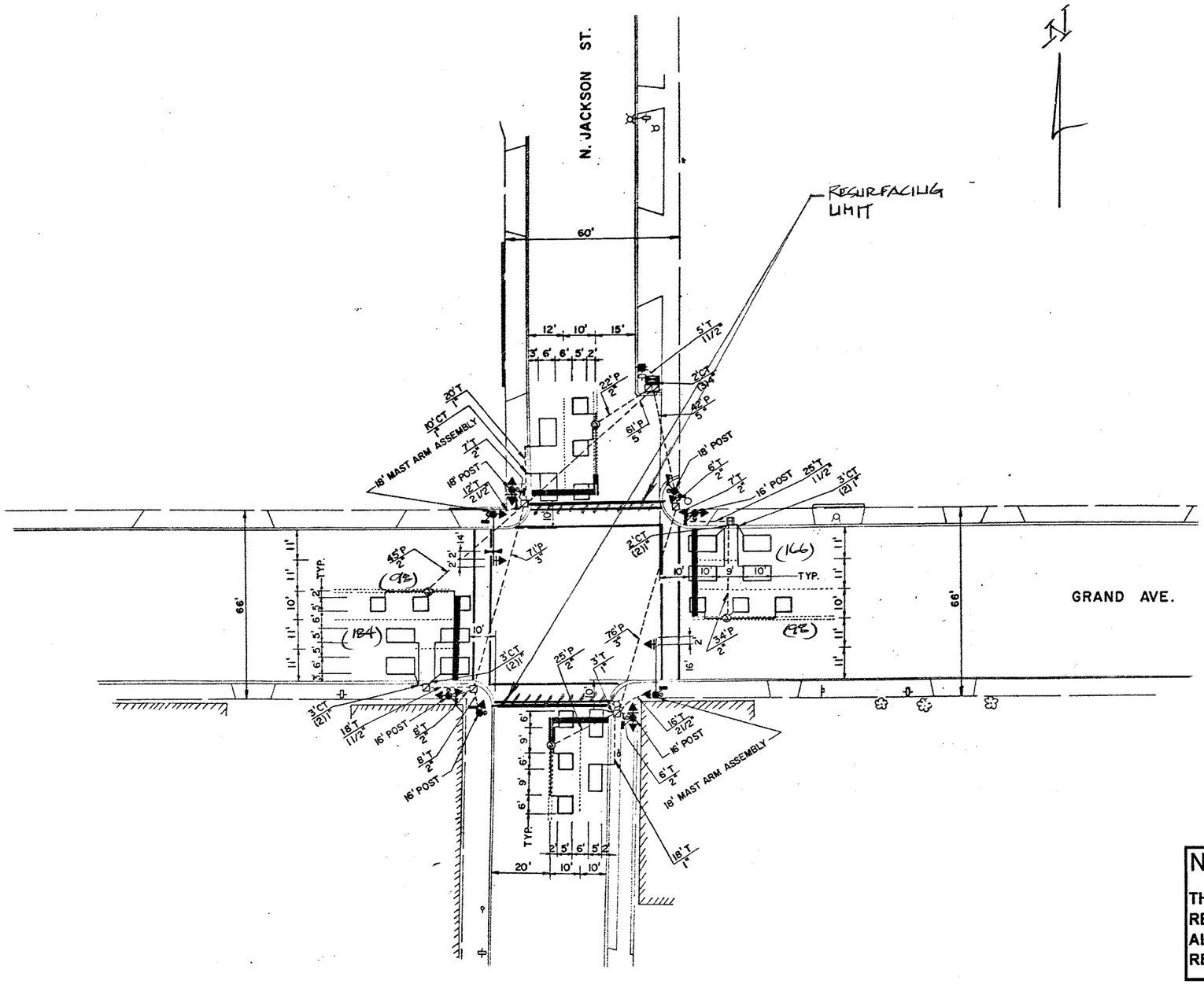
GRAND AV. @ BUTRICK ST.

SCALE: NONE
DATE: JUNE 30, 06

DRAWN BY: JHE
DESIGNED BY: JHE
CHECKED BY: DAD

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2000-112 RS	LAKE	35	21
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 62056



REPLACE ALL DETECTOR LOOPS AS SHOWN

(WITHIN THE RESURFACING LIMITS)

CODE NO.	QUANTITY	UNIT	ITEM
	546	Foot	Detector Loop Replacement

NOTE:

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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT

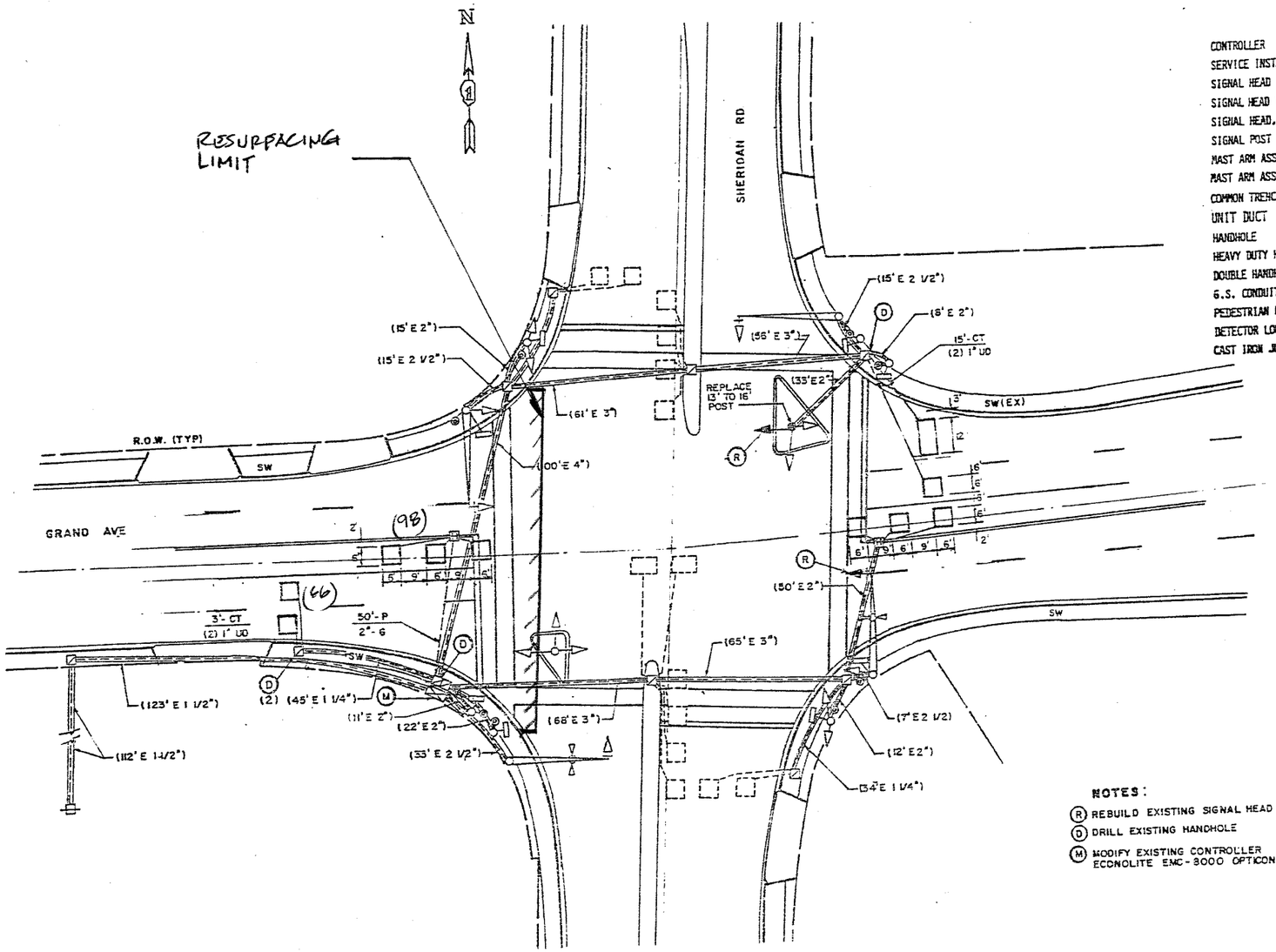
GRAND AV @ JACKSON ST.

SCALE NONE
DATE JUNE 30, 06

DRAWN BY J.H.E.
DESIGNED BY: J.H.E.
CHECKED BY D.A.D.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2000-112 RS	LAKE	35	22
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

CONTRACT NO. 62056



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		
UNIT DUCT		
HANDHOLE	■	■
HEAVY DUTY HANDHOLE	■	■
DOUBLE HANDHOLE	■	■
G.S. CONDUIT IN TRENCH OR PUSHED		
PEDESTRIAN PUSHBUTTON DETECTOR	●	●
DETECTOR LOOP	□	□
CAST IRON JUNCTION BOX		

NOTES:
- (R) REBUILD EXISTING SIGNAL HEAD
- (D) DRILL EXISTING HANDHOLE
- (M) MODIFY EXISTING CONTROLLER ECONOLITE EMC-3000 OPTICON

REPLACE ALL DETECTOR LOOPS AS SHOWN

(WITHIN THE RESURFACING LIMITS)

CODE NO.	QUANTITY	UNIT	ITEM
	164	Foot	Detector Loop Replacement

NOTE:

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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

DETECTOR LOOP REPLACEMENT

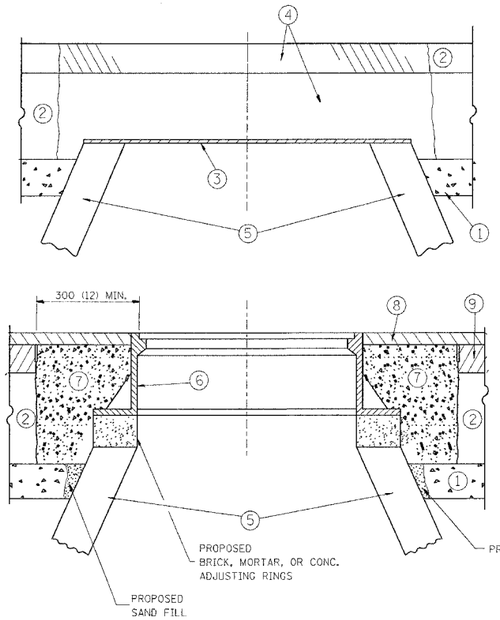
GRAND AV. @ SHERIDAN RD

SCALE: NONE
DATE: JUNE 30, 06

DRAWN BY: J.H.E.
DESIGNED BY: J.H.E.
CHECKED BY: D.A.D.

CONTRACT NO. 62056

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2000-112RS	LAKE	35	23
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

A) REMOVE A MINIMUM OF 300 (12) OF THE PAVEMENT FROM AROUND THE STRUCTURE.

B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.

C) COVER THE STRUCTURE OPENING WITH A 900 (36) DIAMETER METAL PLATE.

D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 40 ($1\frac{1}{2}$) THICK BITUMINOUS MATERIAL APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

A) REMOVE THE BITUMINOUS MATERIAL 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 BITUMINOUS CONCRETE SURFACE OR BINDER COURSE MATERIAL 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. 900 (36) DIAMETER METAL PLATE
4. PROPOSED CRUSHED STONE AND BITUMINOUS MATERIAL
5. EXISTING STRUCTURE
6. FRAME AND LID (SEE NOTES)
7. CLASS SI CONCRETE, BITUMINOUS CONCRETE SURFACE OR BINDER COURSE MATERIAL
8. PROPOSED BITUMINOUS CONCRETE SURFACE COURSE
9. PROPOSED BITUMINOUS CONCRETE 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: FRAMES AND LIDS TO BE ADJUSTED, SPECIAL EACH

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

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN

REVISIONS	
NAME	DATE
R. SHAH	10/25/94
R. SHAH	01/30/95
R. SHAH	03/10/95
A. ABBAS	03/21/97
R. WIEDEMAN	05/14/04

ILLINOIS DEPARTMENT OF TRANSPORTATION

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

SCALE: VERT.
HORIZ.
DATE: 8/28/2006

DRAWN BY
CHECKED BY

BD600-03 (BD-8)
REVISION DATE: 05/17/04

PLOT DATE = 8/28/2006
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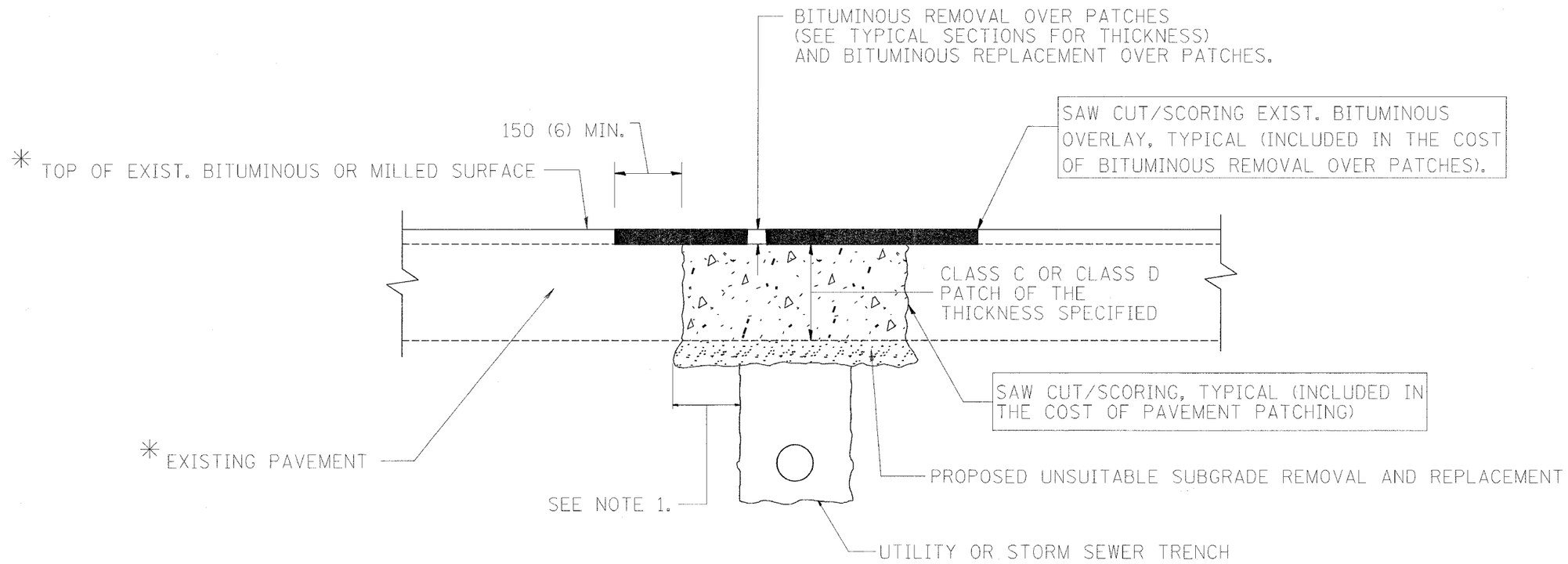
USER NAME = alignweb

W:\district\bd08.dgn 8/28/2006 1:30:34 PM User=alignweb

CONTRACT NO. 62056

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2000-112RS	LAKE	35	24
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

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

SEQUENCE OF CONSTRUCTION

1. REMOVE THE EXISTING BITUMINOUS MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE FULL DEPTH PATCHES
3. REPLACE BITUMINOUS MATERIAL OVER THE AREA TO BE PATCHED.

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

REVISIONS	
NAME	DATE
R. SHAH	10/25/94
R. SHAH	01/14/95
R. SHAH	03/23/95
R. SHAH	04/24/95
A. HOUSEH	03/15/96
A. ABBAS	03/21/97
A. ABBAS	01/20/98
ART ABBAS	04/27/98

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR BITUMINOUS SURFACED PAVEMENT

SCALE: VERT.
HORIZ.
DATE: 8/28/2006

DRAWN BY
CHECKED BY

BD400-04 (BD-22)
REVISION DATE: 04/27/98

PLOT DATE = 8/29/2006
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USER NAME = wilgreendp

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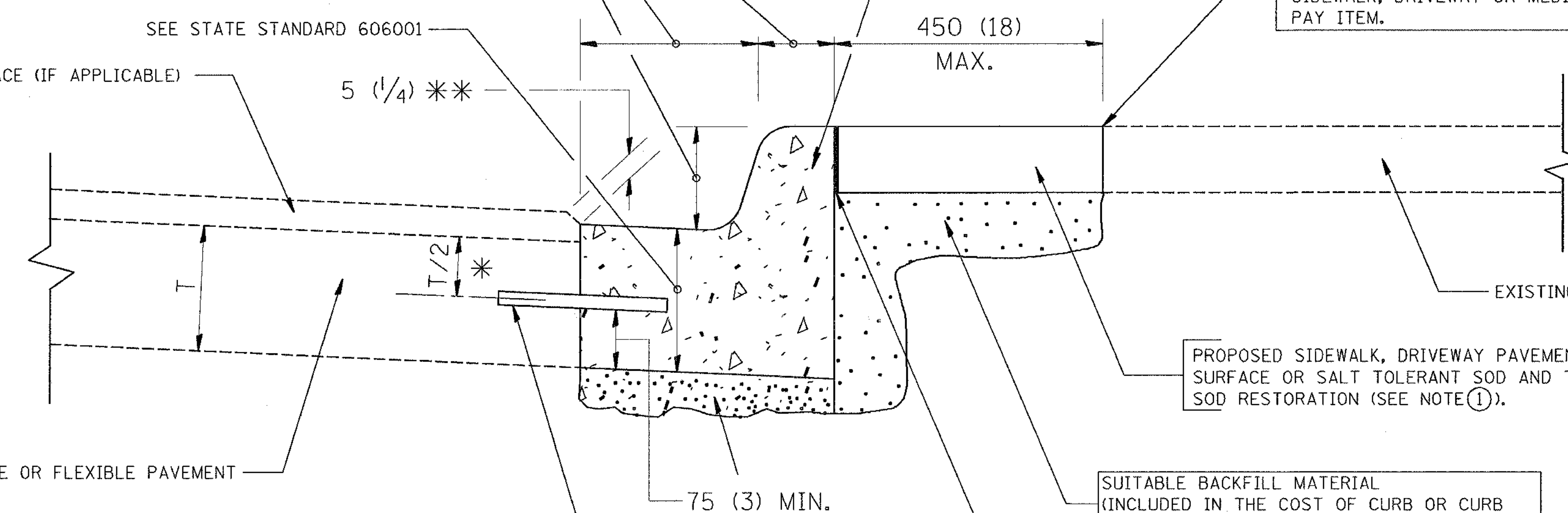

✳ 75 (3) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

✳✳ 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, 100 (4) 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 BITUMINOUS 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 METER (FOOT) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

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

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

REVISIONS NAME	DATE
M. DE YONG	05/28/91
A. HOUSEH	03/11/94
R. SHAH	02/24/95
R. SHAH	03/02/95
R. SHAH	08/19/96
R. SHAH	09/12/96
R. SHAH	09/19/96
R. SHAH	10/03/96
A. ABBAS	03/21/97
M. GOMEZ	01/22/01

ILLINOIS DEPARTMENT OF TRANSPORTATION

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

SCALE: VERT. HORIZ.
DATE: 8/28/2006
DRAWN BY
CHECKED BY

BD600-06 (BD-24)

REVISION DATE: 12/06/88

PLOT DATE = 8/28/2006
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USER NAME = wilgreendp

CONTRACT NO. 62056

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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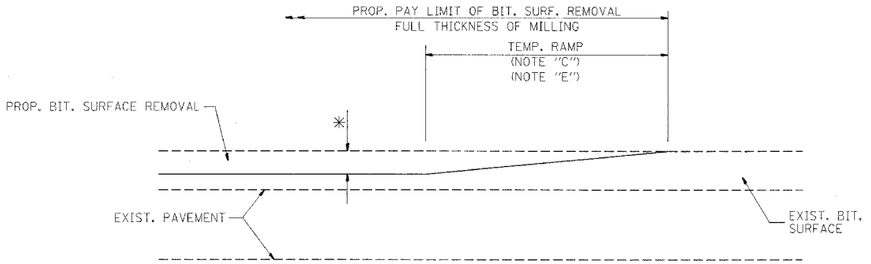
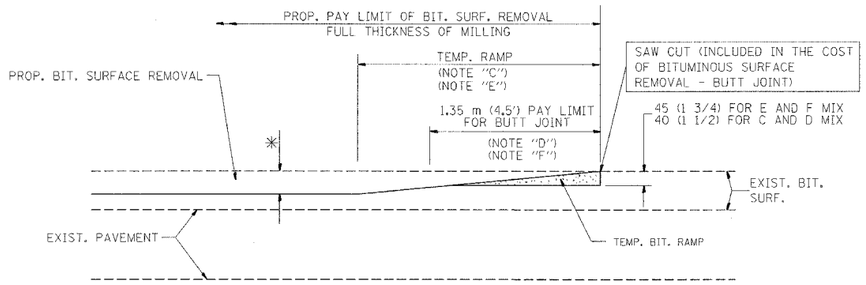
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



MILLED TEMPORARY RAMP

(FOR BUTT JOINT AND BIT. TAPER SEE DETAIL BELOW)

OPTION 1

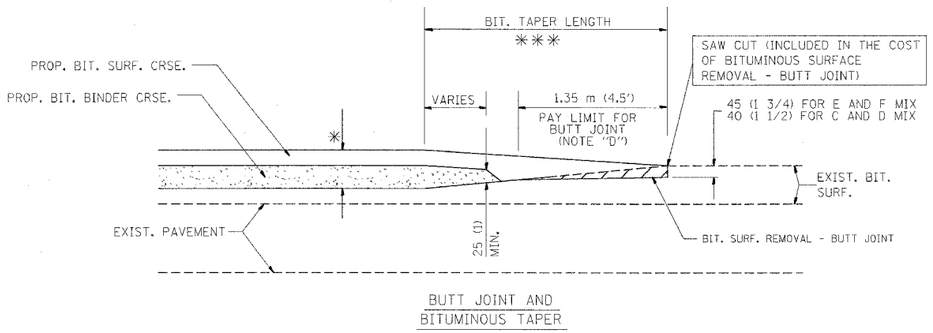


BITUMINOUS CONSTRUCTED TEMPORARY RAMP

(FOR BUTT JOINT AND BIT. TAPER SEE DETAIL BELOW)

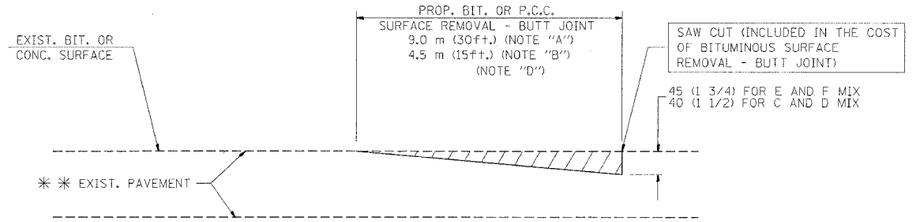
OPTION 2

TYPICAL TEMPORARY RAMP

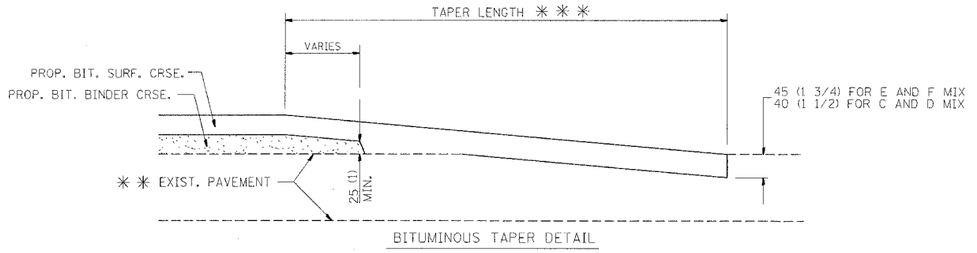


BUTT JOINT AND BITUMINOUS TAPER

TYPICAL BUTT JOINT AND BITUMINOUS TAPER FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



BITUMINOUS TAPER DETAIL

TYPICAL BUTT JOINT AND BITUMINOUS TAPER FOR RESURFACING ONLY

** PC CONCRETE, BITUMINOUS OR BITUMINOUS 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 BITUMINOUS SURFACE.

D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED BITUMINOUS COURSES.

E: TAPER THE TEMP. RAMP AT A RATE OF 900 (3 ft.) PER INCH OF MILLING THICKNESS.

F: INSTALLATION AND REMOVAL OF THE 1.35 m (4.5') TEMP. BIT. RAMP WILL BE PAID AS "BITUMINOUS SURFACE REMOVAL - BUTT JOINT".

G: SEE ARTICLE 406.18 AND 406.24 OF THE STANDARD SPECIFICATIONS FOR "BITUMINOUS AND PCC SURFACE REMOVAL, BUTT JOINT".

* SEE TYPICAL SECTIONS FOR MILLING THICKNESS.

*** 6.1 m (20') PER 25 (1) RESURFACING (NOTE "A")
3.0 m (10') PER 25 (1) RESURFACING (NOTE "B")

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

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR PER SQUARE METER (SQUARE YARD.) AS "BITUMINOUS SURFACE REMOVAL - BUTT JOINT" OR AS "PORTLAND CEMENT CONCRETE SURFACE REMOVAL- BUTT JOINT".

REVISIONS	
NAME	DATE
M. DE YONG	6-13-90
M. DE YONG	7-3-90
M. DE YONG	3-27-92
R. SHAH	09/09/94
R. SHAH	10/25/94
A. ABBAS	03/21/97
M. GOMEZ	04/06/01

ILLINOIS DEPARTMENT OF TRANSPORTATION

BUTT JOINT AND BITUMINOUS TAPER DETAILS

SCALE: VERT.
HORIZ.
DATE: 8/28/2006

DRAWN BY
CHECKED BY

BD400-05 (VI=BD32)

REVISION DATE:04/06/01

PLOT DATE = 8/28/2006
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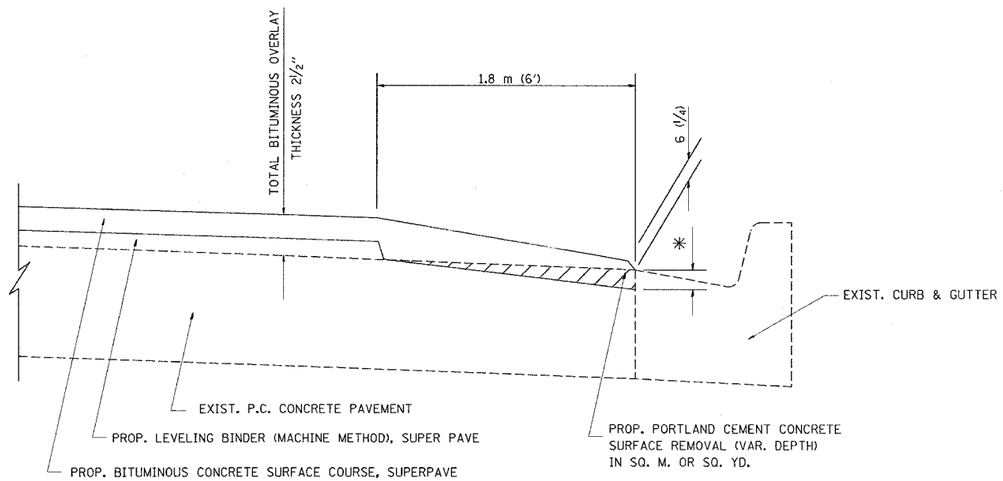
CONTRACT NO. 62056

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2000-112RS	LAKE	35	27
STA.		TO STA.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



BITUMINOUS TAPER AT EDGE OF P.C.C PAVEMENT

SUPERPAVE SURFACE MIX	THICKNESS	LEVELING BINDER SUPERPAVE THICKNESS	* MILLING AT GUTTER FLAG
C OR D	38 (1½)	25 (1)	33 (1¼)
E OR F	44 (1¾)	19 (¾)	38 (1½)

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

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

BITUMINOUS TAPER AT EDGE OF P.C.C. PAVEMENT

SCALE: VERT.
HORIZ.
DATE: 8/28/2006

DRAWN BY JIs
CHECKED BY A. ABBAS

BD400-06 (BD33)

REVISON DATE: 12/21/00

PLOT DATE = 8/28/2006
FILE NAME = W:\data\ad\bd33.dgn
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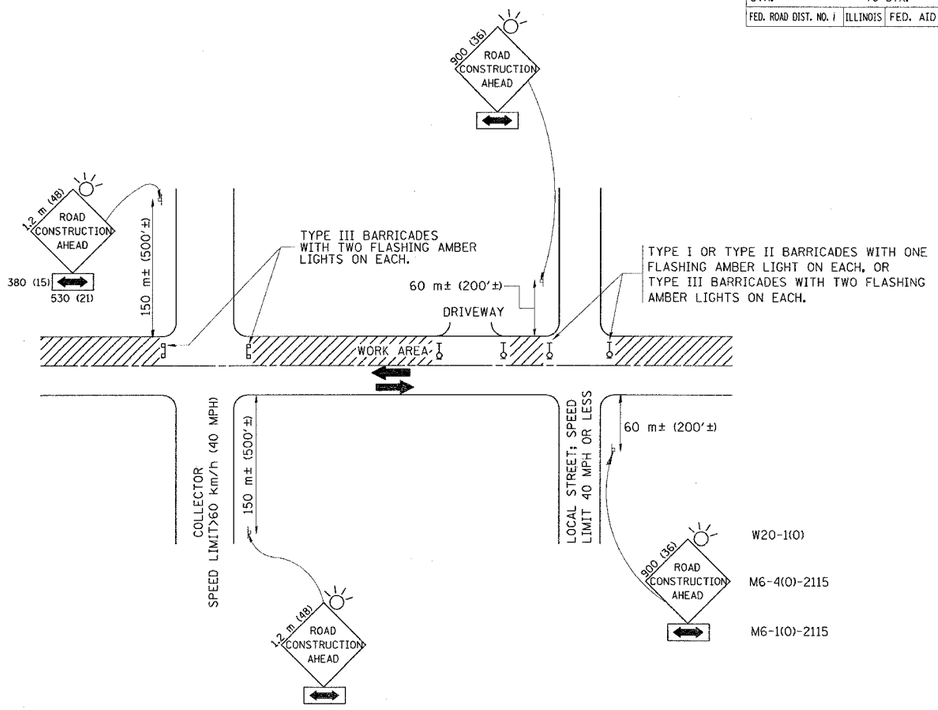
USER NAME = adgrowdy

CONTRACT NO. 62056

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2000-112RS	LAKE	35	28
STA.		TO STA.		
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 60 km/h (40 MPH) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

   a) ONE **ROAD CONSTRUCTION AHEAD** SIGN 900x900 (36x36) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 60 m (200') 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 60 km/h (40 MPH) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

   a) ONE **ROAD CONSTRUCTION AHEAD** SIGN 1.2 m x 1.2 m (48x48) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 150 m (500') 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.

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

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

SCALE:

DATE: 8/28/2006

DRAWN BY

CHECKED BY

TC-10

REVISION DATE: 01/06/00

PLOT DATE = 8/28/2006
FILE NAME = w:\district1\tc10.dgn
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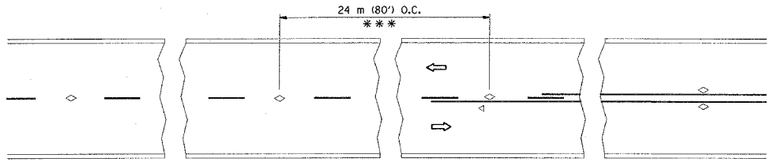
USER NAME = willgrandp

w:\district1\tc10.dgn 8/28/2006 1:31:49 PM Lisa willgrandp

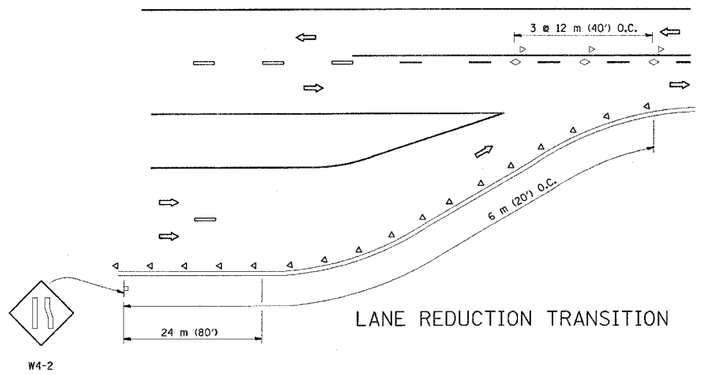
CONTRACT NO. 62056

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2000-112RS	LAKE	35	29
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

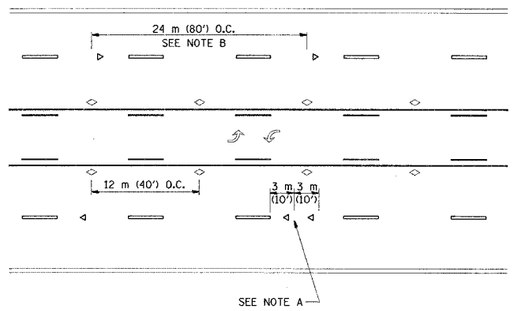


* * * REDUCE TO 12 m (40') O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 70 km/h (45 M.P.H.) OR LESS.

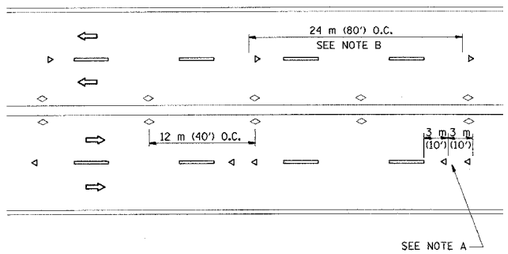
TWO-LANE/TWO-WAY



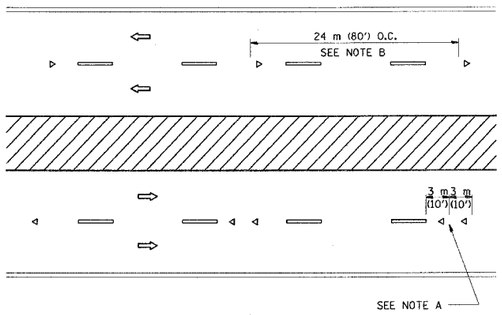
LANE REDUCTION TRANSITION



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 50 TO 75 (2 TO 3) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 150 m (500') 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

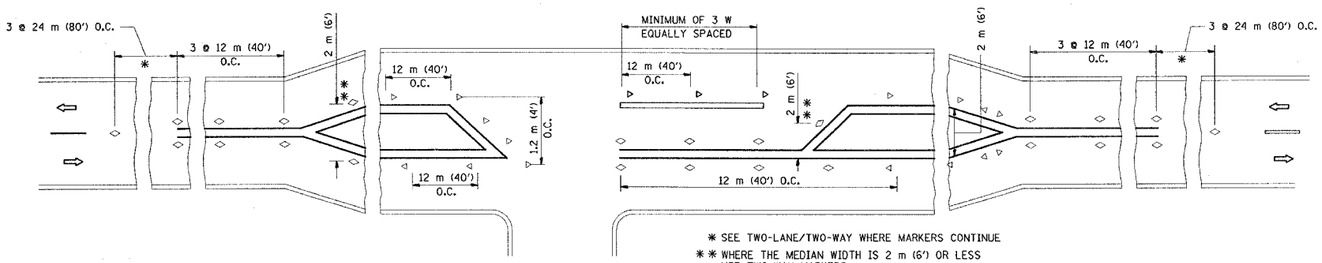
LANE MARKER NOTES

B. REDUCE TO 12 m (40') O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 20 km/h (10 M.P.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 2 m (6') OR LESS USE TWO-WAY MARKERS.

LEFT TURN

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

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

SCALE: NONE

DATE: 8/28/2006

DRAWN BY CADD

CHECKED BY

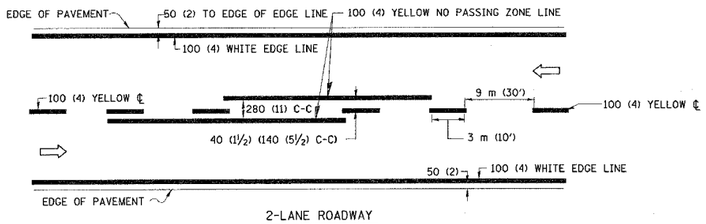
TC-11

REVISION DATE: 01/06/00

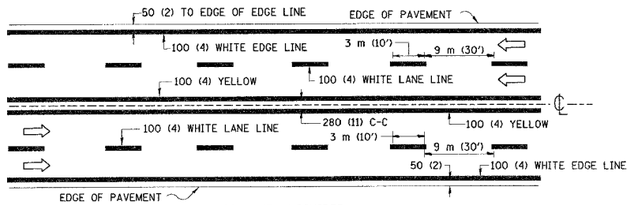
PLOT DATE = 8/28/2006
FILE NAME = u:\district1\tc11.dgn
PLOT SCALE = 50.000 '/ IN.
USER NAME = w.ligenza

CONTRACT NO. 62056

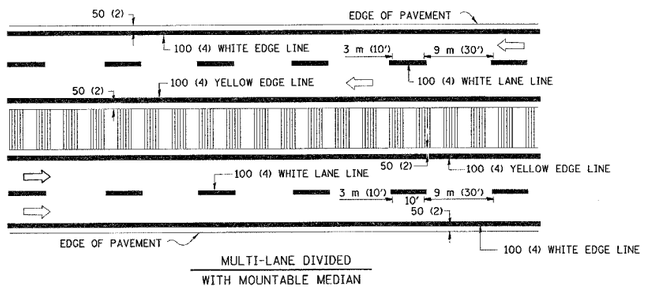
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2000-112RS	LAKE	35	30
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



2-LANE ROADWAY



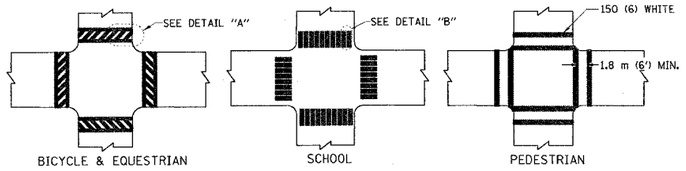
MULTI-LANE UNDIVIDED

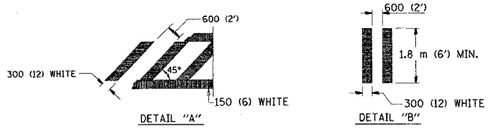


MULTI-LANE DIVIDED
WITH MOUNTABLE MEDIAN

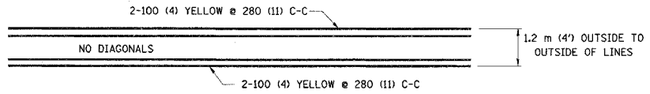
NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING

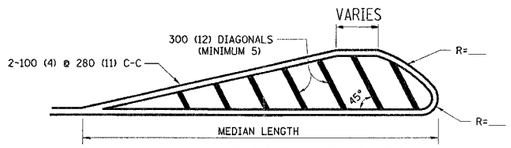




TYPICAL CROSSWALK MARKING



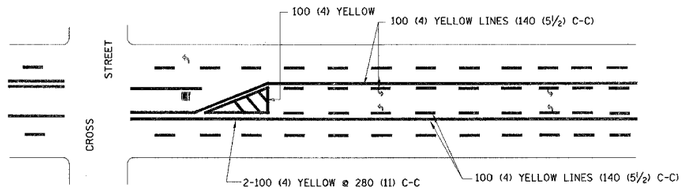
1.2 m (4') WIDE MEDIANS ONLY



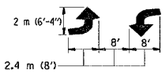
FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.

DIAGONAL LINE SPACING: 15 m (50') C-C (LESS THAN 50 km/h (30 MPH))
25 m (75') C-C (50 km/h (30 MPH) TO 70 km/h (45 MPH))
45 m (150') C-C (MORE THAN 70 km/h (45 MPH))

MEDIANS OVER 1.2 m (4') WIDE

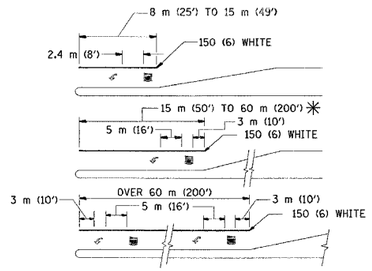


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 60 m (200') TO 90 m (300') INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

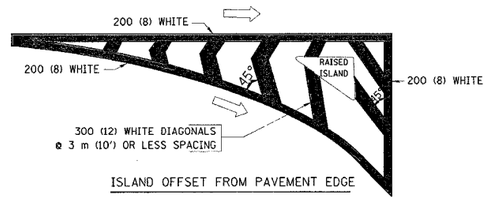


FULL SIZE LETTERS 2.4 m (8') AND ARROWS SHALL BE USED.
AREA = 1.5 m² (15.6 SQ. FT.) ONLY AREA = 1.9 m² (20.8 SQ. FT.)

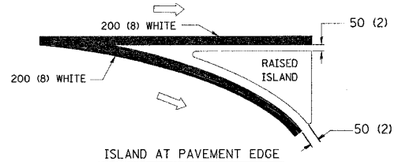
* TURN LANES IN EXCESS OF 120 m (400') IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

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	100 (4)	SKIP-DASH	YELLOW	3 m (10') LINE WITH 9 m (30') SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 100 (4)	SOLID	YELLOW	280 (11) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	100 (4) 2 @ 100 (4)	SOLID SOLID	YELLOW YELLOW	140 (5½) C-C FROM SKIP-DASH CENTERLINE 280 (11) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	100 (4) 125 (5) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	3 m (10') LINE WITH 9 m (30') SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	600 (2') LINE WITH 1.8 m (6') SPACE
EDGE LINES	100 (4)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	150 (6) LINE; FULL SIZE LETTERS & SYMBOLS (2.4 m (8'))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 100 (4) EACH DIRECTION 2.4 m (8') LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	3 m (10') LINE WITH 9 m (30') SPACE FOR SKIP-DASH; 140 (5½) 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 @ 150 (6) 300 (12) @ 45° 300 (12) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 1.8 m (6') APART 600 (2') APART 600 (2') APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	600 (24)	SOLID	WHITE	PLACE 1.2 m (4') IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 100 (4) WITH 300 (12) DIAGONALS @ 45° NO DIAGONALS USED FOR 1.2 m (4') WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	280 (11) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	200 (8) WITH 300 (12) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 4.5 m (15') C-C (LESS THAN 50 km/h (30 MPH)) 6 m (20') C-C (50 km/h (30 MPH) TO 70 km/h (45 MPH)) 9 m (30') C-C (OVER 70 km/h (45 MPH))
RAILROAD CROSSING	600 (24) TRANSVERSE LINES; "RR" IS 1.8 m (6') LETTERS; 400 (16) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=0.33m² (3.6 SQ. FT.) EACH "X"=5.0 m² (54.0 SQ. FT.)
SHOULDER DIAGONALS	300 (12) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	15 m (50') C-C (LESS THAN 50 km/h (30 MPH)) 25 m (75') C-C (50 km/h (30 MPH) TO 70 km/h (45 MPH)) 45 m (150') C-C (OVER 70 km/h (45 MPH))

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

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

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

SCALE: NONE
DATE: 8/28/2006

DRAWN BY CADD
CHECKED BY

TC-13

REVISION DATE: 01/06/00

PLOT DATE = 8/28/2006
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USER NAME = wligrem4p

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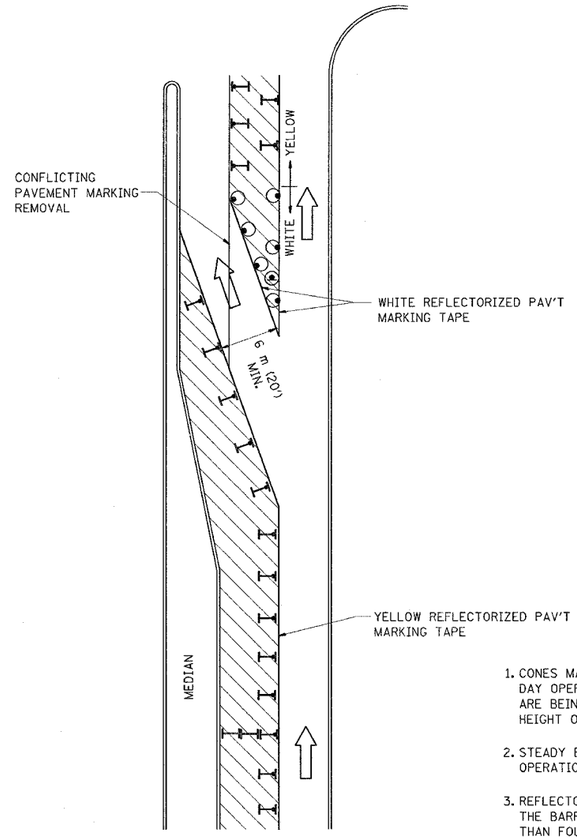
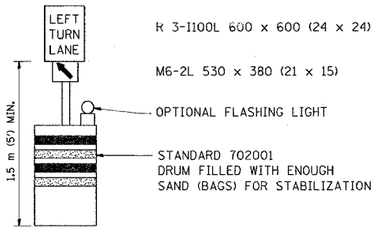
CONTRACT NO. 62056

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2000-112RS	LAKE	35	31
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		





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

GENERAL NOTES

1. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 710 (28) IN HEIGHT. WHEN CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 1.5 m (5').
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" R3-100 600 x 600 (24 x 24) AND M6-2R 530 x 380 (21 x 15) 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.

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

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

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

SCALE: NONE
DATE: 8/28/2006
DRAWN BY
CHECKED BY LHA

TC-14

REVISION DATE: 01/06/00

PLOT DATE = 8/28/2006
FILE NAME = w:\data\d\tc14.dgn
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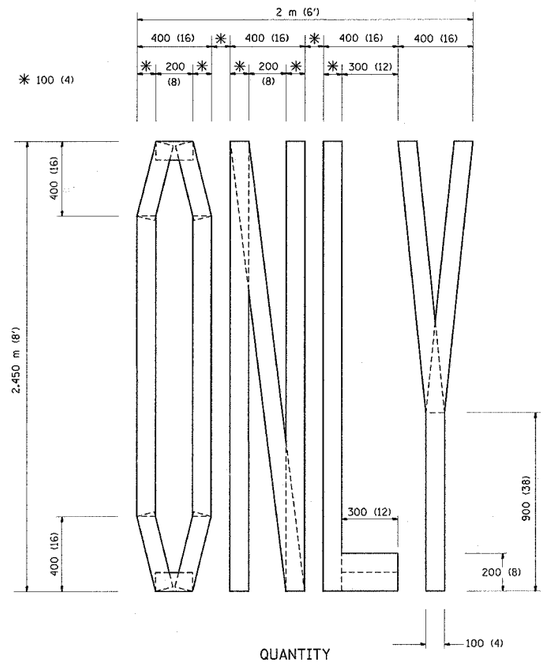
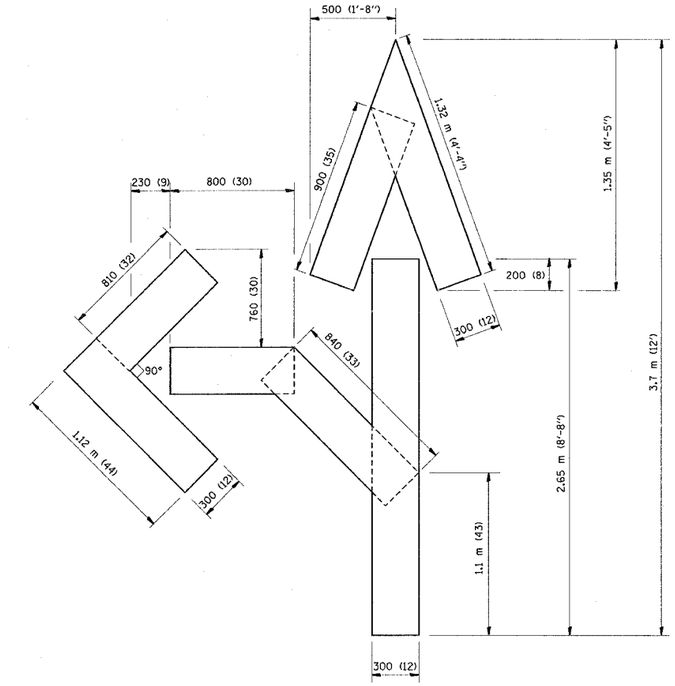
USER NAME = willgrandp

CONTRACT NO. 62056

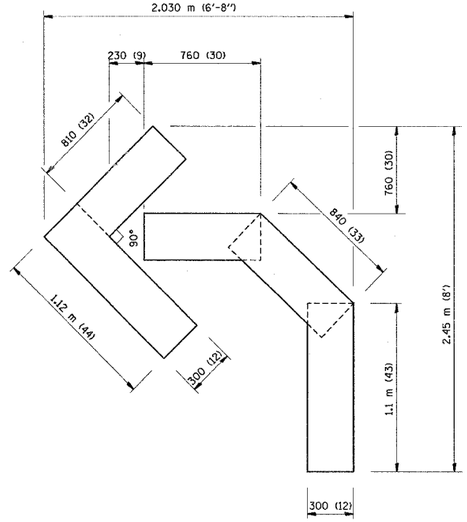
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2000-112RS	LAKE	35	32
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



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



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



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

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

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING

SCALE: NONE
DRAWN BY CADD
DATE: 8/28/2006
CHECKED BY
TC-16

REVISION DATE: 08/28/00

PLOT DATE = 8/28/2006
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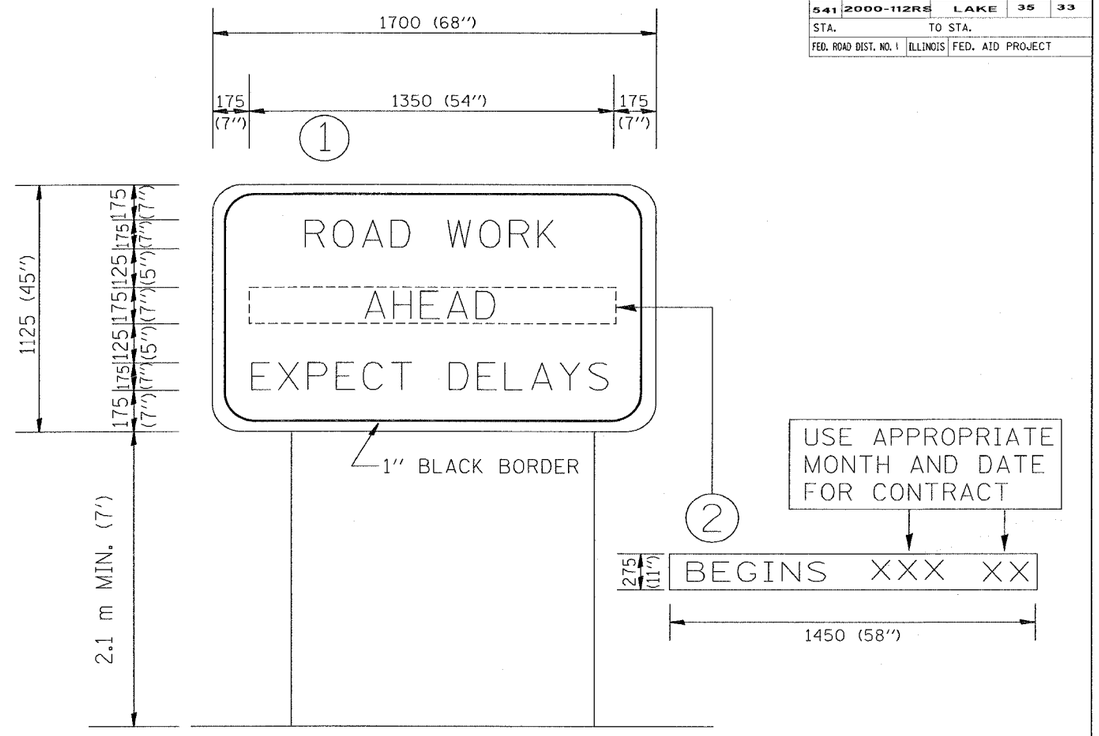
USER NAME = wilgrwendp

CONTRACT NO. 62056

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2000-112RS	LAKE	35	33
STA.	TO STA.			
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 2.3 SQ. M. (25.70 SQ. FT.)

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

REVISIONS NAME	DATE
R. MIRS	9-15-97
R. MIRS	12-11-97
T. RAMMACHER	2-2-99

ILLINOIS DEPARTMENT OF TRANSPORTATION

TEMPORARY INFORMATION SIGNING

SCALE:

DATE: 8/28/2006

DRAWN BY DESIGN

CHECKED BY

TC22

REVISION DATE: 02/02/99

PLOT DATE = 8/28/2006
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USER NAME = wilgreendp

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CONTRACT NO. 62056

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2000-112RS	LAKE	35	34
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE UNIT DUCT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). UNIT DUCT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.

2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.

3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.

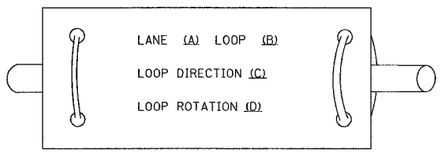
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.

5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.

6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.

7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

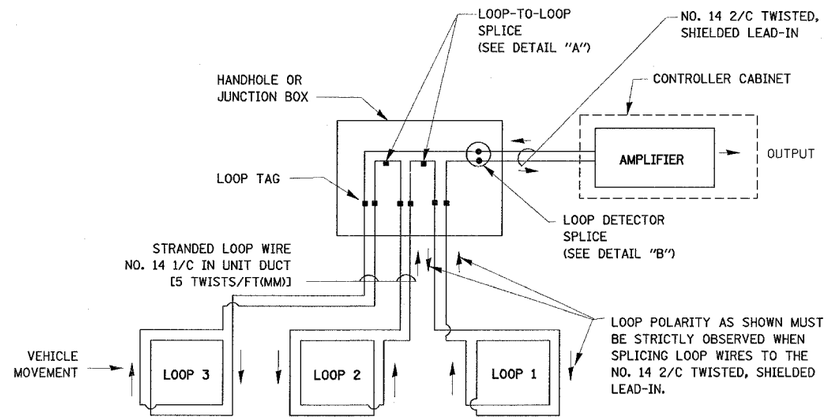


A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY

B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.

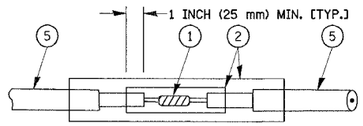
C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".

D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

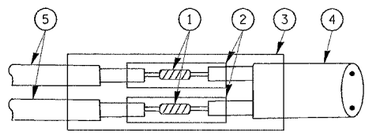


DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES.
- SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.



DETAIL "A"
LOOP-TO-LOOP SPLICE



DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

LOOP DETECTOR SPLICE

(1) WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH.

(2) WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.

(3) WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGHT 6" (150 mm), UNDERWATER GRADE.

(4) NO. 14 2/C TWISTED, SHIELDED CABLE.

(5) LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.

REVISIONS	
NAME	DATE
CADD	5/30/00
ADD NOTE NO. 8	11/12/01
BUREAU OF TRAFFIC	1-01-02

ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL
DESIGN DETAILS

SCALE: NONE
DATE: 8/28/2006

DRAWN BY: RWP
DESIGNED BY: DAD
CHECKED BY: DAZ
SHEET 1 OF 4

TS05

REVISION DATE: 01/01/02

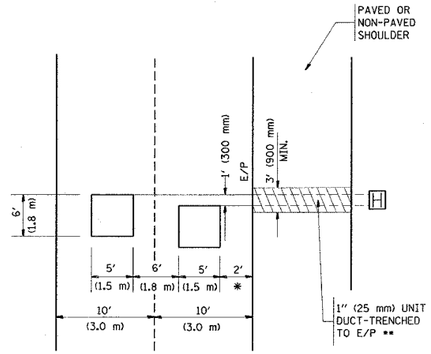
PLOT DATE = 8/28/2006
FILE NAME = w:\data\d1\ts05.dgn
PLOT SCALE = 150.0000 ' / IN.
USER NAME = wilgenwp

CONTRACT NO. 62056

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2000-112RS	LAKE	35	35
STA.		TO STA.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

LOOPS NEXT TO SHOULDERS

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

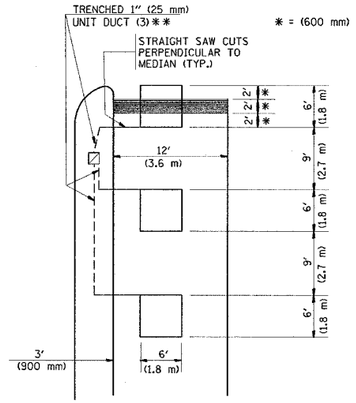


* = (600 mm)

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

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

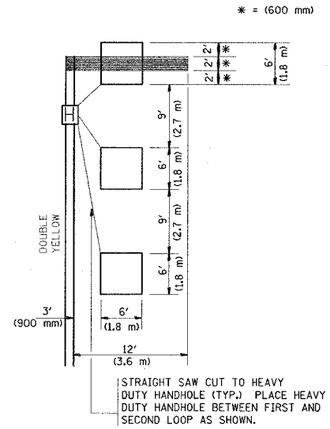
HANDHOLE LOCATION MAY VARY DEPENDING ON GEOMETRICS AND DESIGN OF TRAFFIC SIGNALS. HEAVY-DUTY HANDHOLES TO BE USED WHEN THE MEDIAN IS MOUNTABLE. REFER TO STANDARD 814001 TO ENSURE THAT HANDHOLE FITS IN MEDIAN.



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

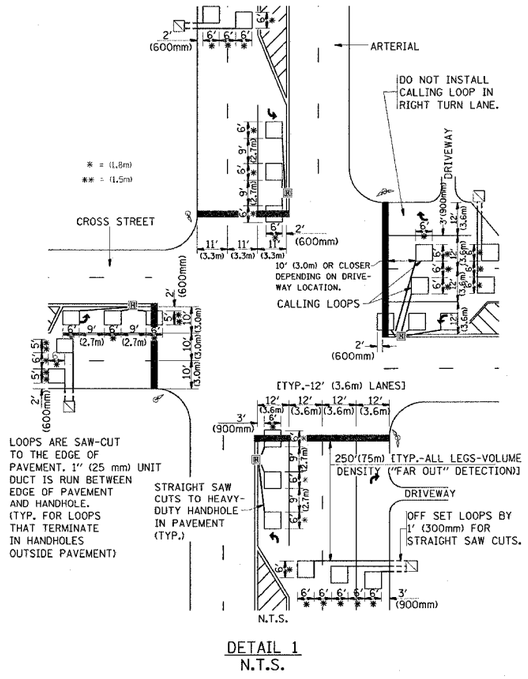
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

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



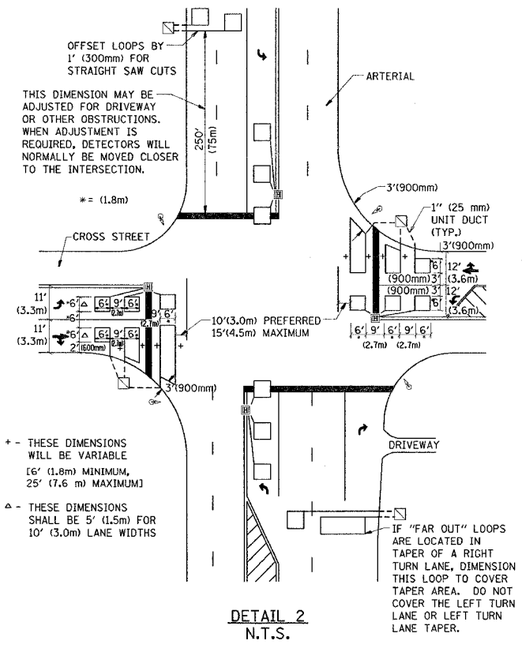
NOTE: DUAL LEFT TURNS NOT SHOWN REFER TO PLAN SHEET FOR DETECTOR LOOP REPLACEMENT

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



DETAIL 1
N.T.S.

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



DETAIL 2
N.T.S.

NOTES:

VEHICLES LOOP DETECTORS

* ALL LEAD IN CABLE SHALL BE TWO CONDUCTOR NO. 14 TWISTED, SHIELDED.
* EACH DETECTOR LOOP SHALL HAVE ITS OWN SAW CUT FROM THE LOOP TO THE EDGE OF PAVEMENT OR TO A HANDHOLE IN THE PAVEMENT.
* EACH DETECTOR LOOP SHALL HAVE ITS OWN ONE INCH (25 mm) UNIT DUCT BETWEEN THE EDGE OF PAVEMENT AND THE FIRST HANDHOLE OR JUNCTION BOX. EACH UNIT DUCT RUN SHALL BE SHOWN ON THE PLANS BY THE DESIGNER, BUT SHALL NOT BE PAID FOR 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.

REVISIONS NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT 1 DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING

SCALE: NONE
DATE: 8/28/2006

DESIGNED BY
DRAWN BY CADD
CHECKED BY R.K.F.

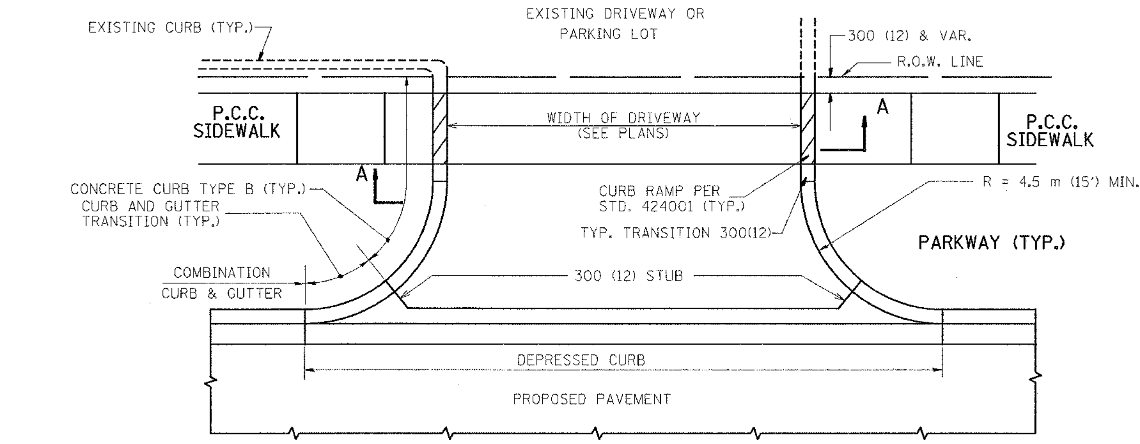
TSO7

REVISION DATE:

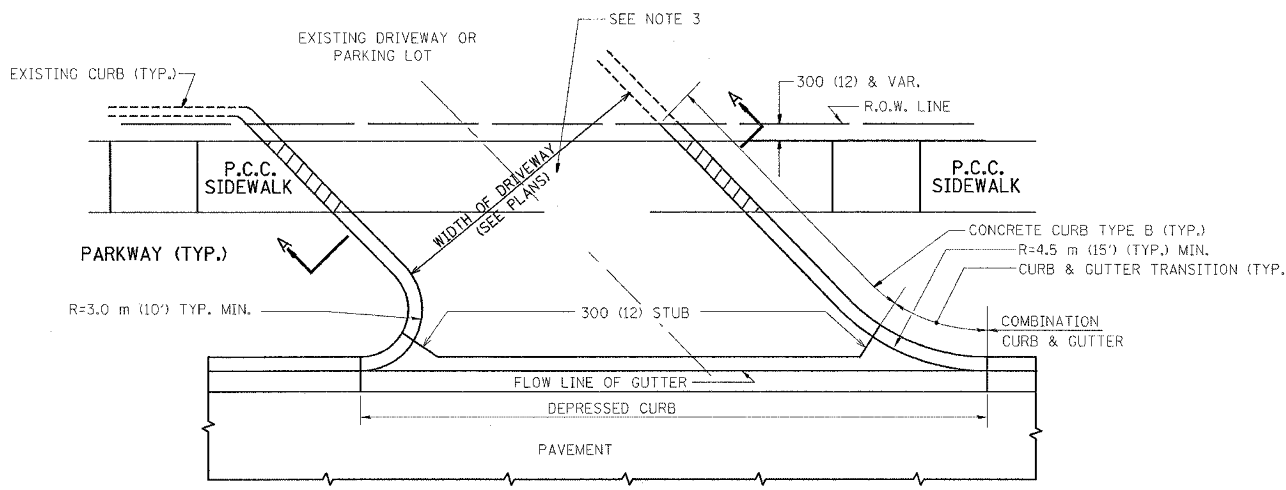
PLOT DATE = 8/28/2006
FILE NAME = w:\district1\s07.dgn
PLOT SCALE = 50.0000 '/ IN.
USER NAME = wligrem

CONTRACT NO.

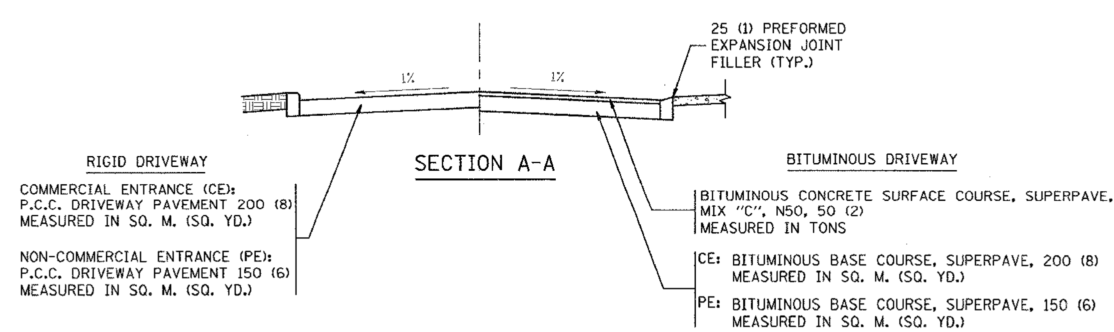
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2000-112RS	LAKE	35	35A
STA.		TO STA.		
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		

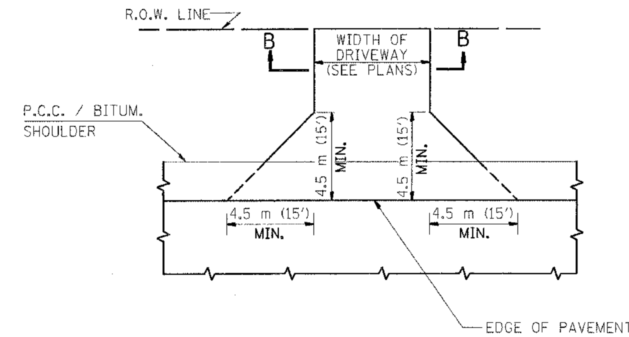


WITH CONCRETE CURB, TYPE B

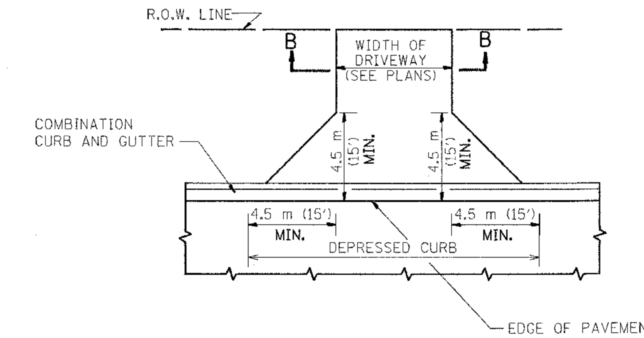


WITH CONCRETE CURB, TYPE B

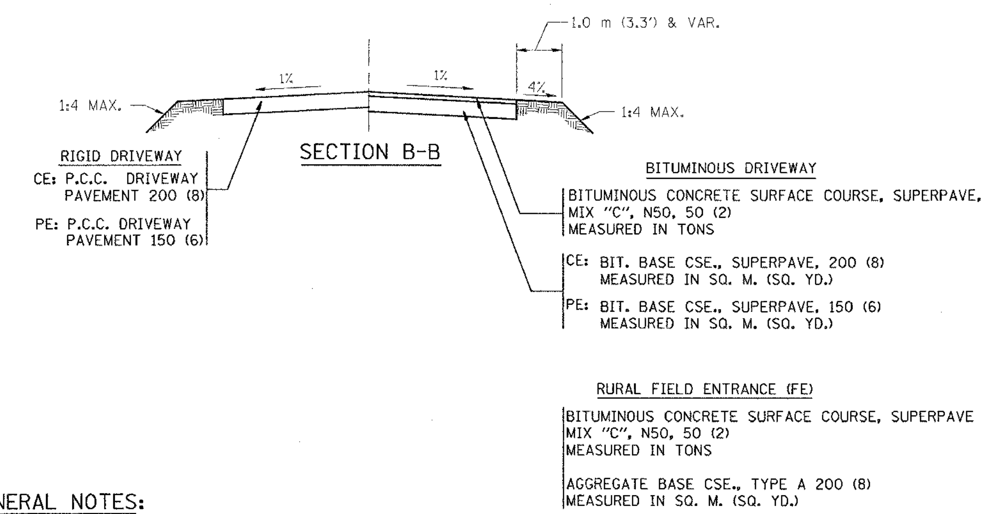




ADJACENT TO P.C.C. / BITUMINOUS SHOULDER



ADJACENT TO CURB AND GUTTER



GENERAL NOTES:

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 1.2 METERS (4 FEET) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

25 (1) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED

REVISIONS	
NAME	DATE
P. LaFLEUR	04-15-03
R. SHAH	11-04-95
J. POLLASTRINI	08-12-96
J. POLLASTRINI	12-14-96
A. ABBAS	03-21-97
T. HOLTZ	04-08-97
M. GOMEZ	04-06-01

ILLINOIS DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS DISTANCE BETWEEN R.O.W. AND FACE OF CURB / EDGE OF SHOULDER >= 4.5 m (15')

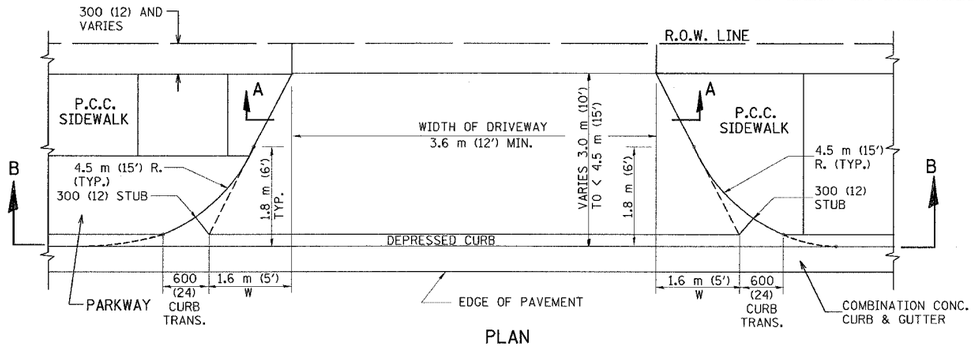
SCALE: VERT. HORIZ.
DATE: 9/8/2006
DRAWN BY
CHECKED BY

BD400-01 (BD-01)
REVISION DATE: 04/15/03

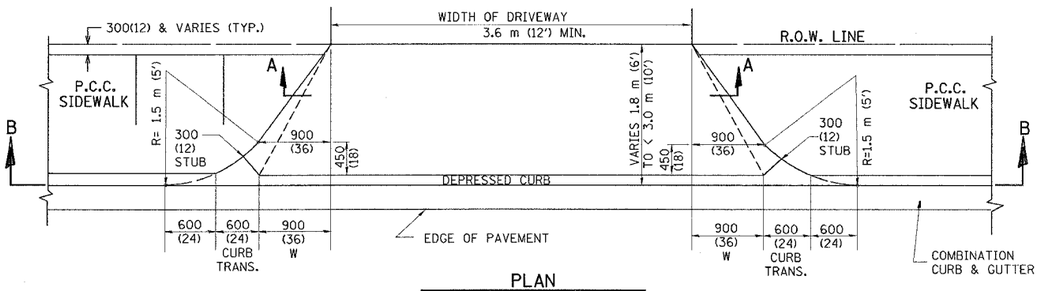
PLOT DATE = 9/8/2006
FILE NAME = W:\distsd\bd8.dgn
PLOT SCALE = 49.9999 ' / IN.
USER NAME = wigreendp

CONTRACT NO.

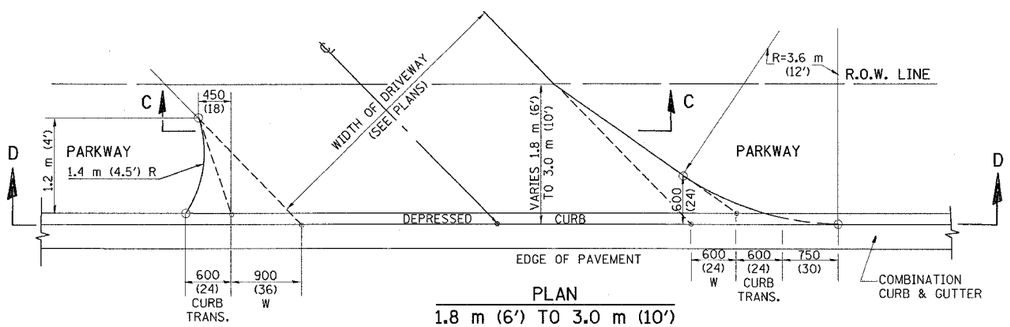
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
541	2000-112RS	LAKE	35	35B
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT		



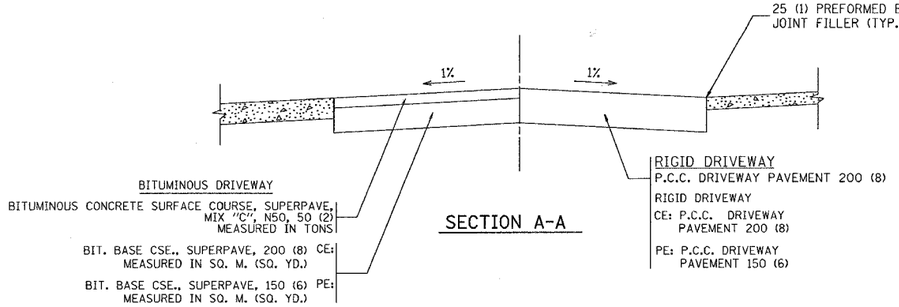
PLAN
3.0 m (10') TO < 4.5 m (15')



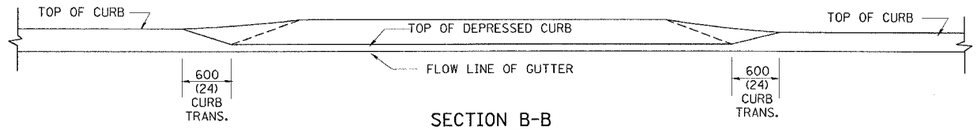
PLAN
1.8 m (6') < 3.0 m (10')



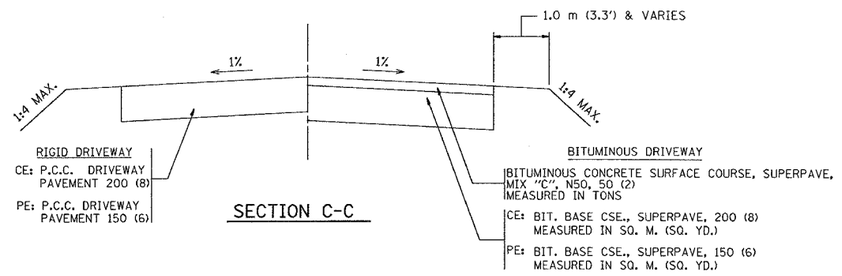
PLAN
1.8 m (6') TO 3.0 m (10')



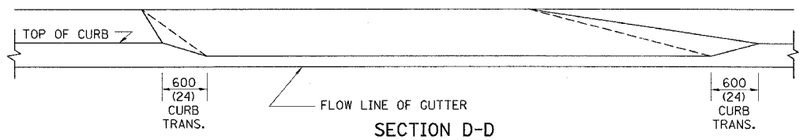
SECTION A-A



SECTION B-B



SECTION C-C



SECTION D-D

GENERAL NOTES

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 2.4 M (8'), THE P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

25 (1) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

"W" VARIES FROM 900 (36) TO 1.5 m (5 FT.) PROPORTIONAL TO THE LENGTH (L), FROM 1.8 m (6 FT.) TO 3 m (10 FT.).

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

REVISIONS	
NAME	DATE
P. LaFLEUR	04/15/03
M. GOMEZ	04/06/01
R. SHAH	11/06/95
J. POLLASTRINI	08/12/96
J. POLLASTRINI	12/14/96
A. ABBAS	03/21/97
T. HOLTZ	04/08/97

ILLINOIS DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS DISTANCE BETWEEN ROW AND FACE OF CURB < 4.5 m (15')

SCALE: VERT.
HORIZ.
DATE: 9/8/2006

DRAWN BY
CHECKED BY

BD400-02 (BD-02)
REVISION DATE: 04/15/03

PLOT DATE = 9/8/2006
FILE NAME = W:\district\bd02.dgn
PLOT SCALE = 49.9999 ' / IN.
USER NAME = wilgrendp