

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711 N-1	DUPAGE	54	1

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

**FAU ROUTE 1321 /IL ROUTE 19 (IRVING PARK ROAD)
AT BLOOMINGDALE ROAD
STATE SECTION: 0711 N-1
MFT SECTION: 06-00055-00-CH
ROADWAY WIDENING, RECONSTRUCTION,
REALIGNMENT, TRAFFIC SIGNAL INSTALLATION
PROJECT M-8003(697)
DuPAGE COUNTY
C-91-035-07**

FOR INDEX OF SHEETS, SEE SHEET NO. 2

DESIGN DESIGNATION:

3025 (14) MINOR ARTERIAL 1.76 (FD-10)

TRAFFIC DATA:

ADT IL. RTE. 19: 18,000 (2005)

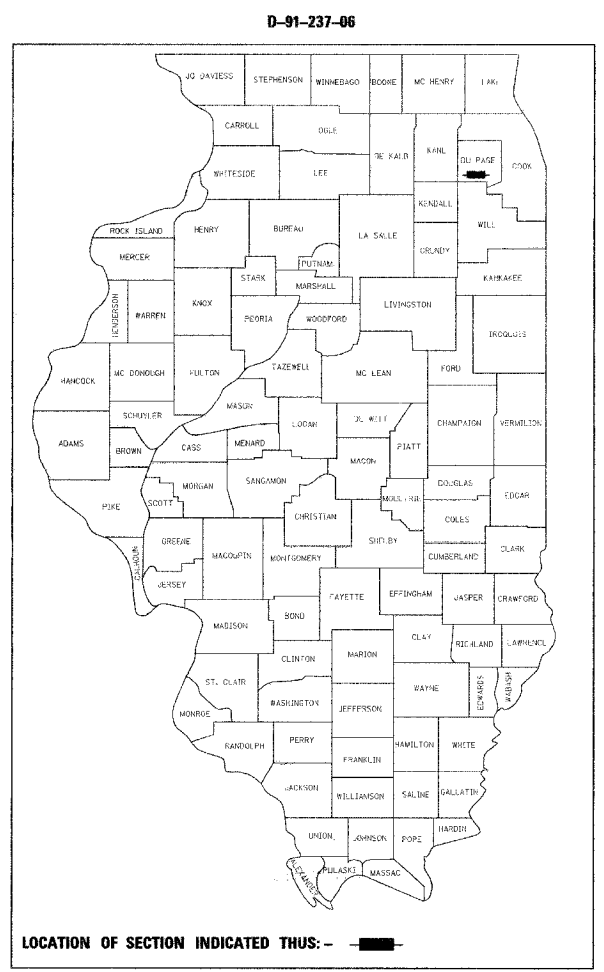
ADT BLOOMINGDALE ROAD: 12,200 (2001)

ADT IL. RTE. 19: 32,000 (2020)

ADT BLOOMINGDALE ROAD: 10,000 (2020)

SPEED LIMIT: 35 MPH (IL 19)

DESIGN SPEED: 35 MPH (IL 19)

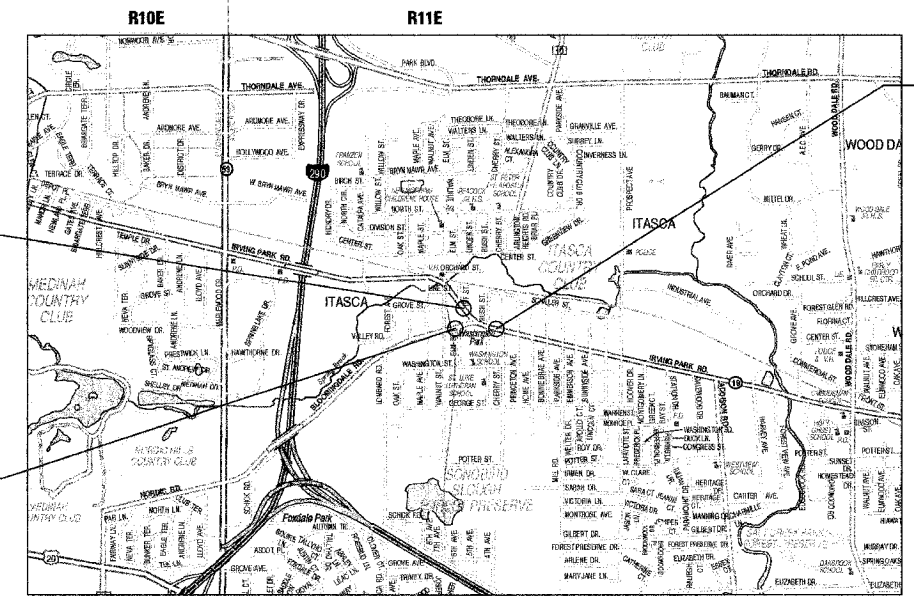


LOCATION OF SECTION INDICATED THUS: -

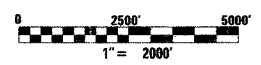
**PROJECT LOCATED IN
THE VILLAGE OF ITASCA**

**IL. ROUTE 19
PROJECT LIMIT
STA. 1000 + 89.2**

**BLOOMINGDALE RD
PROJECT LIMIT
STA. 2003 + 31.3**

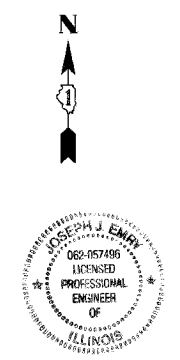


LOCATION MAP



**GROSS LENGTH OF PROJECT = 1552.80 FT = 0.294 MILES
NET LENGTH OF PROJECT = 1552.80 FT = 0.294 MILES**

**IL. ROUTE 19
PROJECT LIMIT
STA. 1011 + 98.3**



SIGNATURE: *Joseph J. Emry* 8/17/06
CIVILTECH ENGINEERING, INC.
SHEETS FROM 25 TO 38

DATE: 8/17/06 EXP: 11/30/07



SIGNATURE: *Craig A. Lukowicz* DATE: 8/15/06
CRAIG A. LUKOWICZ
ILLINOIS REGISTERED PROFESSIONAL ENGINEER NO. 062-041788
MY LICENSE EXPIRES ON 11-30-07.
BOLLINGER, LACH & ASSOCIATES, INC

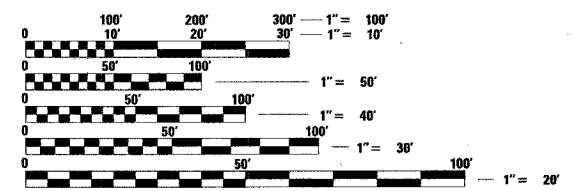
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED Aug. 18 20 06
Diane O'Keefe
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

October 13, 20 06
Mike Sino
ENGINEER OF DESIGN AND ENVIRONMENT

October 13, 20 06
Milton R. Sees, P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS**



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. 83876

IDOT CONSULTANT PROJECT MANAGER: MR. MEL MANGOBA 847-705-4237 (DISTRICT 1)

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711 N-1	DuPAGE	54	2
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

INDEX OF SHEETS

STATE STANDARDS

GENERAL NOTES

SHEET NUMBER	DESCRIPTION
1	TITLE SHEET
2	INDEX OF SHEETS, STATE STANDARDS, GENERAL NOTES, AND COMMITMENTS
3-5	SUMMARY OF QUANTITIES
6-7	TYPICAL SECTIONS
8	SCHEDULES OF QUANTITIES
9	ALIGNMENT, TIES, AND BENCHMARKS
10-11	PLAN AND PROFILE
12-15	SUGGESTED STAGES OF CONSTRUCTION AND TRAFFIC CONTROL
16-17	EROSION AND SEDIMENT CONTROL DETAILS
18-19	DRAINAGE AND UTILITIES
20-21	PLAT OF HIGHWAYS
22	PAVEMENT MARKING, SIGNING, AND LANDSCAPING PLANS
23-24	SOIL PROFILES
25-38	TRAFFIC SIGNAL PLANS
39-49	DISTRICT ONE DETAILS
50-54	CROSS SECTIONS

STATE STANDARD NO.	DESCRIPTION
000001-04	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-03	TEMPORARY EROSION CONTROL SYSTEMS
424001-04	CURB RAMPS FOR SIDEWALKS
442201-02	CLASS C AND D PATCHES
602001	CATCH BASIN TYPE A
602301-01	INLET - TYPE A
602401-01	MANHOLE TYPE A
604001-02	FRAME AND LIDS TYPE 1
604091-01	FRAME AND GRATE TYPE 24
606001-03	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606006-01	OUTLET FOR CONCRETE CURB AND GUTTER, TYPE B-15.60 (B-6.24)
701301-02	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-02	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS-DAY ONLY
701501-03	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701801-03	LANE CLOSURE MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
702001-06	TRAFFIC CONTROL DEVICES
720001	SIGN PANEL MOUNTING DETAILS
720006-01	SIGN PANEL ERECTION DETAILS
720011	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
729001	APPLICATIONS OF TYPE A AND B METAL POSTS (FOR SIGNS AND MARKERS)
780001-01	TYPICAL PAVEMENT MARKINGS
814001-01	CONCRETE HANDHOLES
814006-01	DOUBLE HANDHOLES
857001	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
877001-02	STEEL MAST ARM ASSEMBLY AND POLE
878001-05	CONCRETE FOUNDATION DETAILS
880006	TRAFFIC SIGNAL MOUNTING DETAILS
886001	DETECTOR LOOP INSTALLATIONS

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT 800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOURS NOTIFICATION IS REQUIRED).
- 10 FT. TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB & GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURBS & GUTTERS AND MEDIAN IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE VILLAGE OF ITASCA AND OTHER AGENCIES.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- BARRICADES: THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SAND BAGS ON EACH TYPE I OR TYPE II BARRICADE USED. (ONE (1) WEIGHTED SAND BAG ACROSS EACH BOTTOM RAIL).
- THE RESIDENT ENGINEER SHALL CONTACT AREA TRAFFIC FIELD ENGINEER TECHNICIAN MS. PATRICE HARRIS AT 708-597-9800, A MINIMUM OF 72 HOURS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS OR SIGNING.
- WHERE SECTION, SUBSECTION, SUBDIVISION OR PROPERTY MONUMENTS ARE REMOVED, THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
- BEFORE ORDERING STORM SEWERS, CATCH BASINS, PIPE CULVERTS, PIPE DRAINS AND MANHOLES, THE CONTRACTOR SHALL CONTACT THE ENGINEER AS TO THE EXACT LENGTH AND QUANTITY REQUIRED.
- THE ENGINEER SHALL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS BITUMINOUS LIFTS.
- FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SANDBAGS PER BARRICADE.
- THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE PRESERVATION OF EXISTING TREES IS OF UTMOST IMPORTANCE TO THE VILLAGE OF ITASCA. ALL TREE PROTECTION, TREE REMOVAL, PRUNING AND ROOT PRUNING SHALL BE COMPLETED BEFORE CONSTRUCTION OPERATIONS COMMENCE IN ANY AREA. AT NO TIME SHALL THE CONTRACTOR PRUNE OR REMOVE ANY TREES UNLESS SPECIFICALLY DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL TAKE EXTRA CARE IN GRADING AND EXCAVATING NEAR TREES WHICH ARE NOT MARKED FOR REMOVAL SO AS NOT TO CAUSE INJURY TO THE ROOT SYSTEM OR TRUNKS. HAND EXCAVATION SHALL BE PERFORMED IF MAJOR ROOTS ARE PRESENT. MAJOR ROOTS OF A TREE THAT ARE TO REMAIN IN PLACE EXTENDING INTO THE EXCAVATION AREAS AT AN ELEVATION THAT WOULD INTERFERE WITH ANY PORTION OF THE PLANNED CONSTRUCTION SHALL BE SEVERED AT A POINT IMMEDIATELY OUTSIDE OF THE EXCAVATION AREA IN A MANNER THAT WILL CAUSE THE LEAST AMOUNT OF SYSTEMIC DAMAGE TO THE REMAINING TREE STRUCTURE. THE EXPENSE OF ANY REQUIRED HAND EXCAVATION AND/OR THE CUTTING OF MAJOR TREE ROOTS, AS DESCRIBED ABOVE, SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT LINE ITEM BEING REMOVED OR INSTALLED AT THAT LOCATION.
- TEMPORARY FENCE SHOULD BE ERECTED ALONG THE DRIP LINE OF EXISTING TREES TO REMAIN WITHIN THE LIMITS OF CONSTRUCTION. AFTER TREES ARE SAFELY FENCED NOTHING IS TO BE STORED, DRIVEN, OR DISTURBED INSIDE THE FENCE. REMOVE PROTECTIVE TEMPORARY FENCE ONLY AFTER ALL CONSTRUCTION WORK HAS BEEN COMPLETED.
- EROSION CONTROL WORK ITEMS ARE CONSIDERED TO BE HIGH PRIORITY ITEMS ON THIS CONTRACT. THE ENGINEER WILL IMPLEMENT ALL PROVISIONS OF THE SPECIFICATION NECESSARY TO ASSURE THAT EROSION CONTROL ITEMS ARE CONSTRUCTED AND MAINTAINED IN A TIMELY WAY. ALL EROSION CONTROL MEASURES SHALL BE INSTALLED PRIOR TO BEGINNING ANY CONSTRUCTION ACTIVITIES WHICH WILL POTENTIALLY CREATE ERODABLE CONDITIONS.
- THE LANDSCAPING AND EROSION CONTROL MEASURES SHOWN ARE BUT A GRAPHICAL REPRESENTATION OF SUGGESTED MEASURES. DEVIATIONS FROM THIS PLAN ARE TO BE EXPECTED PENDING A JOBSITE INSPECTION BETWEEN THE CONTRACTOR AND THE DEPARTMENT.
- ANY ITEMS ORIGINALLY LISTED AND LABELED AS "BITUMINOUS CONCRETE" SHALL BE REFERRED TO AS "HOT-MIX ASPHALT" OR "HMA"

COMMITMENTS

NONE

PLOT DATE = 11/21/06
 FILE NAME = \\NTRTE1\1\1\comingdata\Proposed\Plans_Fav\Geom\Cover\INDEX-NOTES.dgn
 PLOT SCALE = 1/8"=1'-0"
 USER NAME = MUSER

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.U. ROUTE 1321 (IL. ROUTE 19)
NAME	DATE	
		IL. ROUTE 19 INDEX SHEET, STATE STANDARDS, GENERAL NOTES, AND COMMITMENTS SCALE: NONE DATE 11/21/06
		DRAWN BY ES
		CHECKED BY JIP

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711 N-1	DuPAGE	54	3
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QTY.	CONSTRUCTION TYPE CODE		
				ROADWAY 70% FED 30% STATE 1000-2A	TRAFFIC SIGNAL 70% FED 20% STATE 10% ITASCA Y031-1F	INTERCONNECT 70% FED 30% STATE Y031-1F
20101000	TEMPORARY FENCE	FOOT	500	500		
20101100	TREE TRUNK PROTECTION	EACH	1	1		
* 20101300	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	5	5		
* 20101350	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	5	5		
20200100	EARTH EXCAVATION	CU YD	1076	1076		
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	982	982		
20700420	POROUS GRANULAR EMBANKMENT SUBGRADE	CU YD	290	290		
20800150	TRENCH BACKFILL	CU YD	210	210		
* 21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	5726	5726		
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	71	71		
* 25000500	PHOSPHOROUS FERTILIZER NUTRIENT	POUND	71	71		
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	71	71		
* 25100630	EROSION CONTROL BLANKET	SQ YD	5937	5937		
* 25200110	SODDING, SALT TOLERANT	SQ YD	5726	5726		
* 25200200	SUPPLEMENTAL WATERING	UNIT	58	58		
* 28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	1680	1680		
* 28000300	TEMPORARY DITCH CHECK	EACH	4	4		
28000510	INLET FILTERS	EACH	7	7		
31101400	SUBBASE GRANULAR MATERIAL, TYPE B, 6"	SQ YD	2317	2317		
35300210	PORTLAND CEMENT CONCRETE BASE COURSE, 7 1/2"	SQ YD	11	11		
35300400	PORTLAND CEMENT CONCRETE BASE COURSE, 9"	SQ YD	965	965		
35501308	HOT-MIX ASPHALT BASE COURSE, 6"	SQ YD	40	40		
35501312	HOT-MIX ASPHALT BASE COURSE, 7"	SQ YD	1003	1003		
35501316	HOT-MIX ASPHALT BASE COURSE, 8"	SQ YD	44	44		
40200900	AGGREGATE SURFACE COURSE, TYPE B	CU YD	55	55		
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	2.7	2.7		
40600300	AGGREGATE (PRIME COAT)	TON	0.5	0.5		

CODE NO.	ITEM	UNIT	TOTAL QTY.	CONSTRUCTION TYPE CODE		
				ROADWAY 70% FED 30% STATE 1000-2A	TRAFFIC SIGNAL 70% FED 20% STATE 10% ITASCA Y031-1F	INTERCONNECT 70% FED 30% STATE Y031-1F
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	362	362		
40600895	CONSTRUCTING TEST STRIP	EACH	1	1		
40600982	HOT MIX ASPHALT SURFACE REMOVAL , BUTT JOINT	SQ YD	295	295		
40603510	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	5	5		
40603540	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	542	542		
42001300	PROTECTIVE COAT	SQ YD	1106	1106		
42400200	PORTLAND CEMENT CONCRETE SIDEWALK, 5"	SQ FT	4900	4900		
42400800	DETECTABLE WARNINGS	SQ FT	60	60		
44000100	PAVEMENT REMOVAL	SQ YD	521	521		
44000198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	4979	4979		
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	586	586		
44000600	SIDEWALK REMOVAL	SQ FT	2925	2925		
44002214	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 3 1/2"	SQ YD	68	68		
44002224	HOT-MIX ASPHALT REMOVAL OVER PATCHES, 6"	SQ YD	345	345		
44201976	CLASS D PATCHES, TYPE II	SQ YD	275	275		
44201978	CLASS D PATCHES, TYPE III	SQ YD	70	70		
44201980	CLASS D PATCHES, TYPE IV	SQ YD	149	149		
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	3879	3879		
48101500	AGGREGATE SHOULDERS, TYPE B, 6"	SQ YD	233	233		
48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SQ YD	140	140		
△ 55039700	STORM SEWERS TO BE CLEANED	FOOT	100	100		
550A0050	STORM SEWERS, CLASS A, TYPE 1, 12"	FOOT	166	166		
550A0340	STORM SEWERS, CLASS A, TYPE 2, 12"	FOOT	142	142		
550A0380	STORM SEWERS, CLASS A, TYPE 2, 18"	FOOT	304	304		

* SPECIALTY ITEMS
 △ NON PARTICIPATING ITEMS, 100% STATE
 ** 100% VILLAGE OF ITASCA PARTICIPATION

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.U. ROUTE 1321 (IL. ROUTE 19)
 IL. ROUTE 19
 SUMMARY OF QUANTITIES
 SCALE: N.T.S. DATE 11/21/06
 DRAWN BY ES
 CHECKED BY JIP

PLOT DATE = 11/21/06
 PLOT SCALE = AS SHOWN
 PLOT USER = JIP
 USER NAME = JIP

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711 N-1	DUPAGE	54	5
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

CODE NO.	SUMMARY OF QUANTITIES ITEM	UNIT	TOTAL QTY.	CONSTRUCTION TYPE CODE		
				ROADWAY 70% FED 30% STATE 1000-2A	TRAFFIC SIGNAL 70% FED 20% STATE 10% ITASCA Y031-1F	INTERCONNECT 70% FED 30% STATE Y031-1F
* 87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL, 16 FT.	EACH	2		2	
* 87700170	STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1		1	
* 87700220	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1		1	
* 87700280	STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1		1	
* 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	12		12	
* 87800200	CONCRETE FOUNDATION, TYPE D	FOOT	4		4	
* 87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	30		30	
* 87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	15		15	
* 87900200	DRILL EXISTING HANDHOLE	EACH	1			1
* 88200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	6		6	
* 88500100	INDUCTIVE LOOP DETECTOR	EACH	5		5	
* 88600100	DETECTOR LOOP, TYPE I	FOOT	437		437	
** 88700200	LIGHT DETECTOR	EACH	2		2	
** 88700300	LIGHT DETECTOR AMPLIFIER	EACH	1		1	
* 88800100	PEDESTRIAN PUSH-BUTTON	EACH	4		4	
* 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	9247			9247
* 89502380	REMOVE EXISTING HANDHOLE	EACH	1		1	
* K1005863	TREE ROOT PRUNING	EACH	5	5		
X0321598	MANHOLES, TYPE A, 6' DIAMETER WITH 2 TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE	EACH	1	1		
X0322256	TEMPORARY INFORMATION SIGNING	SQ FT	77.1	77.1		
* X0322925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	4780			4780
X0323426	SEDIMENT CONTROL, DRAINAGE STRUCTURE INLET FILTER CLEANING	EACH	7	7		
X0323973	SEDIMENT CONTROL, SILT FENCE	FOOT	2783	2783		
X0323974	SEDIMENT CONTROL, SILT FENCE MAINTENANCE	FOOT	2783	2783		
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	4	4		
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	2	2		

CODE NO.	SUMMARY OF QUANTITIES ITEM	UNIT	TOTAL QTY.	CONSTRUCTION TYPE CODE		
				ROADWAY 70% FED 30% STATE 1000-2A	TRAFFIC SIGNAL 70% FED 15% STATE 15% ITASCA Y031-1F	INTERCONNECT 70% FED 30% STATE Y031-1F
X7015005	CHANGEABLE MESSAGE SIGN	CAL DAY	150	150		
X7030100	WET TEMPORARY PAVEMENT MARKING TAPE, TYPE III	FOOT	11163	11163		
* X8050015	SERVICE INSTALLATION, POLE MOUNT	EACH	1		1	
* X8710020	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	4828			4828
* X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	523		523	
** X8730250	ELECTRIC CABLE IN CONDUIT, NO. 20 3C, TWISTED, SHIELDED	FOOT	304		304	
* 88030020	SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4		4	
* 88030050	SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1		1	
* 88030100	SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1		1	
* 88030110	SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	2		2	
* 88030210	SIGNAL HEAD, L.E.D., 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1		1	
* 88030240	SIGNAL HEAD, L.E.D., 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	1		1	
* 88102710	PEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE, BRACKET MOUNTED	EACH	2		2	
* 88102740	PEDESTRIAN SIGNAL HEAD, L.E.D., 2-FACE, BRACKET MOUNTED	EACH	2		2	
* X8950210	REBUILD EXISTING HANDHOLE TO HEAVY-DUTY HANDHOLE	EACH	1			1
* XX002856	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM	L SUM	1			1
XX005314	BITUMINOUS DRIVEWAY REMOVAL	SQ YD	84	84		
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1		
△ Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	1	1		

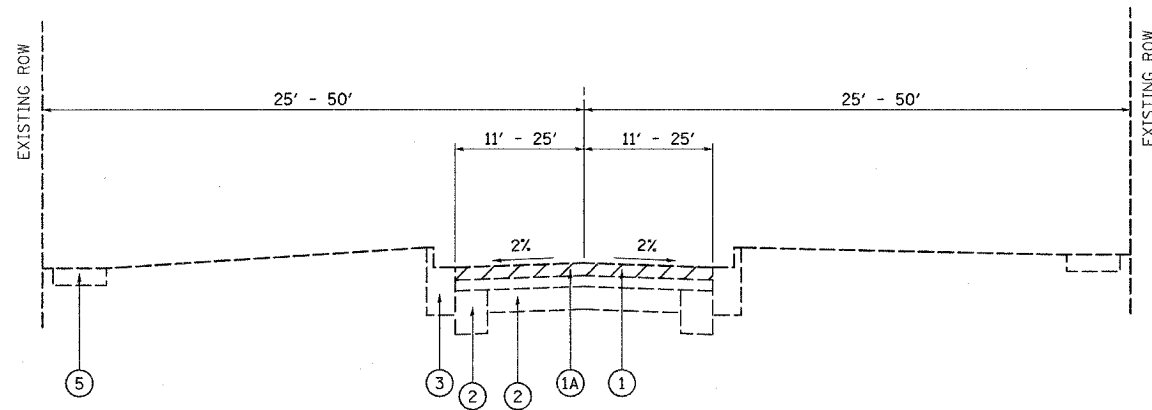
* SPECIALTY ITEMS
 △ NON PARTICIPATING ITEMS, 100% STATE
 ** 100% VILLAGE OF ITASCA PARTICIPATION

REVISIONS	
NAME	DATE

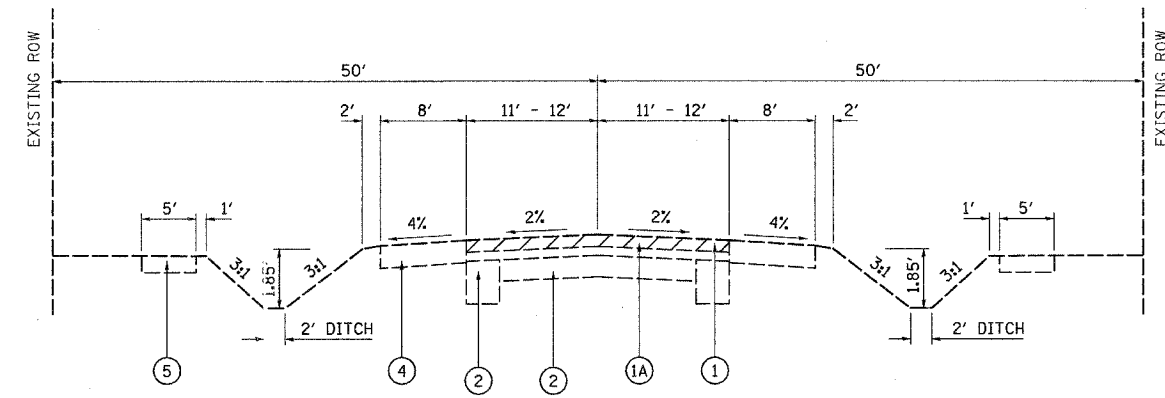
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.U. ROUTE 1321 (IL. ROUTE 19)
 IL. ROUTE 19
 SUMMARY OF QUANTITIES
 SCALE: N.T.S.
 DATE 11/21/06
 DRAWN BY ES
 CHECKED BY JIP

PLOT DATE = 11/21/06
 PLOT TIME = 11:51:15
 PLOT SCALE = 1/8"=1'-0"
 USER NAME = JIP

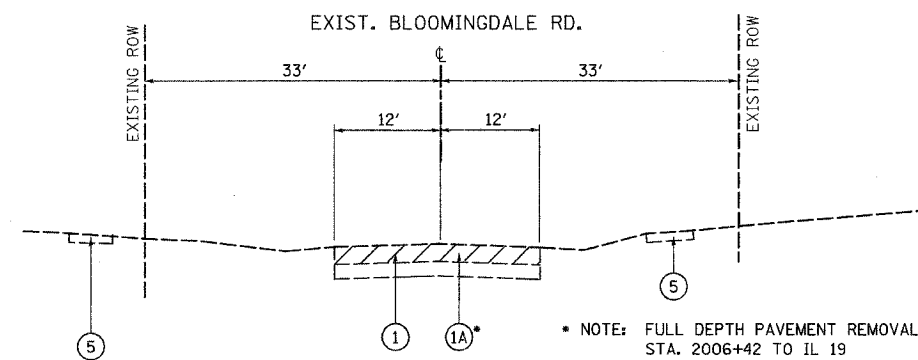
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711 N-1	DuPAGE	54	6
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



EXISTING TYPICAL SECTION
ILLINOIS ROUTE 19 (IRVING PARK ROAD)
STA. 1000+89.2 TO BLOOMINGDALE ROAD



EXISTING TYPICAL SECTION
ILLINOIS ROUTE 19 (IRVING PARK ROAD)
BLOOMINGDALE ROAD TO STA. 1011+98.3



EXISTING TYPICAL SECTION
BLOOMINGDALE ROAD
STA. 2003+31.3 TO STA. 2007+74.7

LEGEND:

- ① EXISTING BITUMINOUS OVERLAY, 6" AND VAR.
- ①A PROP. HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- ② EXISTING PCC BASE COURSE, 6" AND VAR.
- ③ EXISTING B-6.12 CURB AND GUTTER
- ④ EXISTING BIT. OR AGG. SHOULDER
- ⑤ EXISTING SIDEWALK (TYP.)
- ⑥ PROP. POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70
- ⑦ PROP. 1" LEVELING BINDER (MACHINE METHOD), N70
- ⑧ PROP. 9" PCC BASE COURSE
- ⑨ PROP. 6" SUBBASE GRANULAR MATERIAL
- ⑩ PROP. HOT-MIX ASPHALT BASE COURSE, 7"
- ⑪ PROP. B-6.24 CURB AND GUTTER
- ⑫ PROP. SIDEWALK, 5" (TYP.)
- ⑬ PROP. TOPSOIL FURNISH AND PLACE, 4"; SODDING, SALT TOLERANT; SEEDING, CLASS 2A
- ⑭ PROP. AGGREGATE SHOULDERS, TYPE B, 6"
- ⑮ PROP. HOT-MIX ASPHALT SHOULDERS, 6"
- ⑯ PROP. STRIP REFLECTIVE CRACK CONTROL
- ⑰ PROP. POROUS GRANULAR EMBANKMENT, SUBGRADE 12 INCH

BITUMINOUS MIXTURE REQUIREMENT CHART				
	MIXTURE	AC/PG	VOIDS (%)	RAP (%)
ROADWAY	HMA SURFACE COURSE, MIX "D", N70	PG 64-22	4 @ 70 GYR.	10
	LEVELING BINDER (MM) SUPERPAVE, N70	PG 64-22	4 @ 70 GYR.	10
	HMA SHOULDER, 6"	PG 58-22	2 @ 30 GYR.	50
	HMA BASE COURSE, 7"	PG 58-22	2 @ 50 GYR.	50
DRIVEWAYS	HMA SURFACE COURSE, MIX "C", N50, 2"	PG 64-22	4 @ 50 GYR.	15
	HMA BASE COURSE, 6" & 8"	PG 58-22	2 @ 50 GYR.	50
	CLASS D PATCHING, 6" IL-19mm	PG 64-22	4 @ 70 GYR.	15

NOTE: THE UNIT WEIGHT USED TO CALCULATE ALL HOT MIX ASPHALT MIXTURES IS 112 LBS/SQ YD/IN

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.U. ROUTE 1321 (IL. ROUTE 19)

EXISTING TYPICAL SECTIONS
IL. ROUTE 19

SCALE: VERT. NONE
HORIZ. NONE
DATE 11/21/06
DRAWN BY ES
CHECKED BY JIP

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711 N-1	DuPAGE	54	8
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	

HMA SURFACE REMOVAL, VAR DEPTH	
LOCATION	QTY (SQ. YD)
IL 19	3573
BLOOMINGDALE RD.	916
TOTAL	4489

PROPOSED ROADWAY PAVEMENT					
LOCATION	HMA SURF. CRSE. MIX "D" NTO	LVL. BNDR (MM). NTO	PCC BASE COURSE, 9"	HMA BASE COURSE, 7"	SUBBASE GRAN MATERIAL, 6" TYPE B
IL 19	445 TONS	298 TONS	965 SQ YD	-	1087 SQ YD
BLOOMINGDALE RD.	97 TONS	64 TONS	-	1003 SQ YD	1230 SQ YD
TOTAL	542 TONS	362 TONS	965 SQ YD	1003 SQ YD	2317 SQ YD

COMB. CURB AND GUTTER		
LOCATION	B-6.24	B-6.12
IL 19	1663	180
BLOOMINGDALE RD.	52	589
TOTAL	1715	769

RAISED REFLECT. PAVE. MARKER			
LOCATION	PROP (EA.)	REMOVAL (EA.)	TEMP (EA.)
IL 19	42	33	26
BLOOMINGDALE RD.	23	0	-
TOTAL	65	0	26

PROPOSED PAVEMENT MARKINGS					
LOCATION	LETTER AND SYMBOLS (SQ FT)	LINE 4 IN (FT)	LINE 6 IN (FT)	LINE 12 IN (FT)	LINE 24 IN (FT)
IL 19	72	4185	403	91	70
BLOOMINGDALE RD.	36	1973	262	35	33
TOTAL	108	6158	665	126	103

AGG. SHLDRS, TYPE B, 6"	
LOCATION	QTY (SQ. YD.)
IL 19	233

HMA. SHOULDERS, 6"	
LOCATION	QTY (SQ. YD.)
IL 19	140

EARTHWORK					
	EARTH EX. (CU YD)	EMBANKMENT (CU YD)	ADJ. EARTH EX. (15%)	BALANCE WASTE (+) OR SHORTAGE (-)	UNSUITABLE (CU YD)
IL 19 - STAGE 1					
1001+79 TO 1005+00	110.6	0.0	94.0	+94.0	55.3
1005+00 TO 1009+00	131.1	0.0	111.4	+111.4	64.9
1009+00 TO 1011+88	196.2	49.7	166.8	+117.1	196.2
TOTAL	437.9	49.7	372.2	+322.5	316.4
IL 19 - STAGE 2					
1001+79 TO 1005+00	108.1	0.0	91.9	+91.9	123.1
1005+00 TO 1009+00	99.1	196.9	84.2	-112.6	168.9
1009+00 TO 1011+88	221.0	0.0	187.9	+187.9	137.6
TOTAL	428.2	196.9	364.0	+167.2	429.5
BLOOMINGDALE RD. - STAGE 1					
2003+06 TO 2007+64	210.3	316.8	178.8	-138.0	236.5
TOTAL	210.3	316.8	178.8	-138.0	236.5
GRAND TOTAL	1076			+351.7	982

EROSION CONTROL ITEMS			
LOCATION	TEMP. EROSION CONTROL SEEDING (POUND)	TEMPORARY DITCH CHECK (EA.)	SEDIMENT CONT., SILT FENCE (FOOT)
STAGE 1	1380	2	1760
STAGE 2	300	2	1023
TOTAL	1680	4	2783

FIRE HYDRANTS TO BE MOVED		
LOCATION	STATION	OFFSET
IL 19	1000+11	21' LT
IL 19	1004+83	77' RT
IL 19	1011+07	24' LT

PLOT DATE = 11/21/06
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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.U. ROUTE 1321 (IL. ROUTE 19)

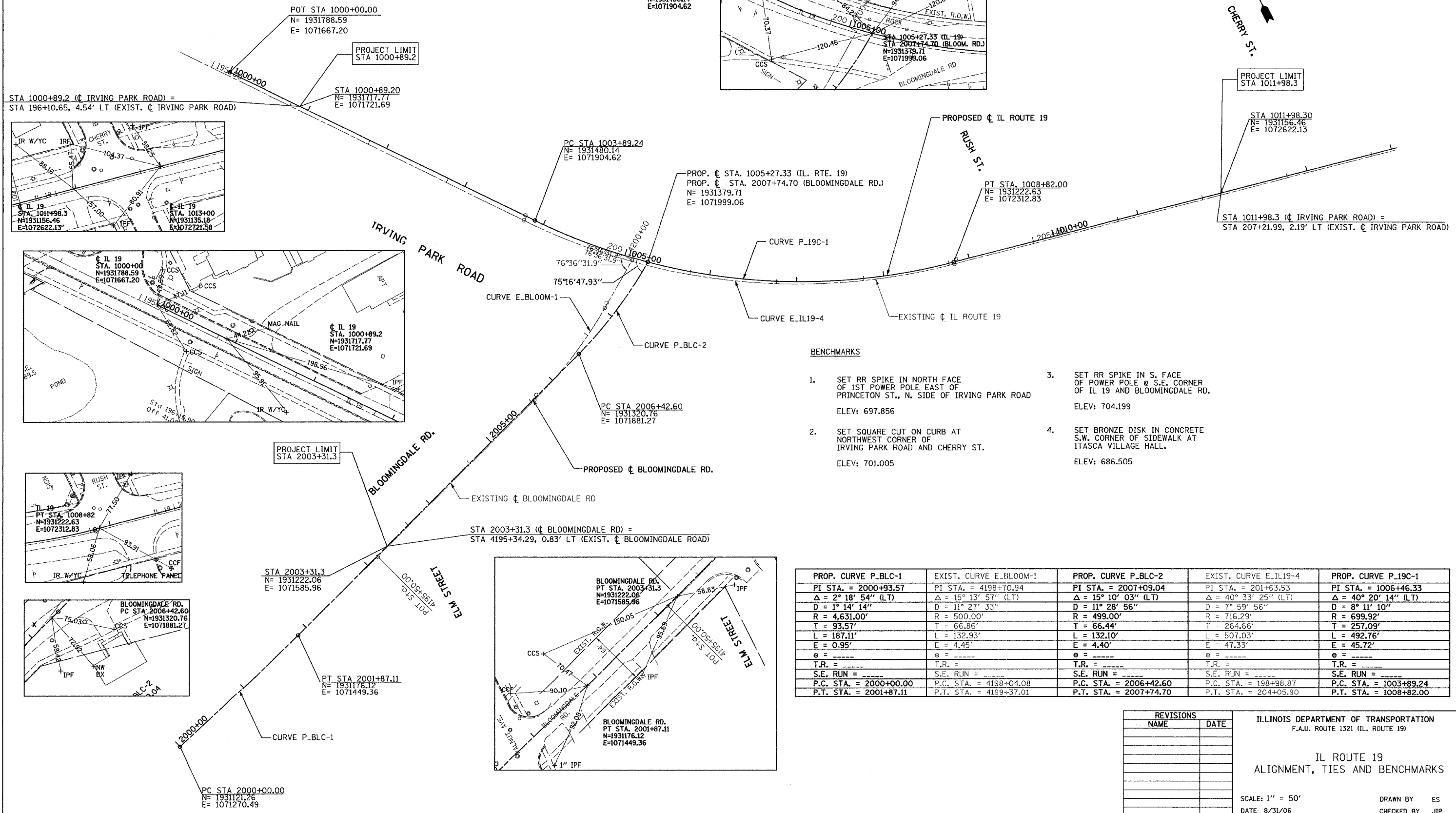
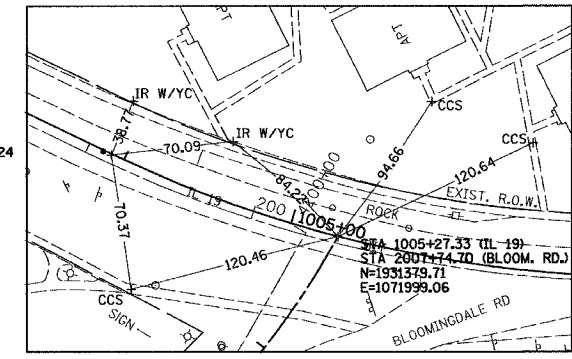
IL. ROUTE 19
SCHEDULE OF QUANTITIES

 SCALE: NONE
 DATE 11/21/06
 DRAWN BY ES
 CHECKED BY JJP

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711 N-1	DUPAGE	54	9
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

STA 1000+00.0 (CL IRVING PARK ROAD) =
STA 195+21.29, 4.15' LT (EXIST. CL IRVING PARK ROAD)

PROP. CL STA. 1005+27.33 (IL. RTE. 19) =
PROP. CL STA. 2007+74.70 (BLOOMINGDALE RD.)



BENCHMARKS

- SET RR SPIKE IN NORTH FACE OF 1ST POWER POLE EAST OF PRINCETON ST., N. SIDE OF IRVING PARK ROAD
ELEV: 697.856
- SET SQUARE CUT ON CURB AT NORTHWEST CORNER OF IRVING PARK ROAD AND CHERRY ST.
ELEV: 701.005
- SET RR SPIKE IN S. FACE OF POWER POLE @ S.E. CORNER OF IL 19 AND BLOOMINGDALE RD.
ELEV: 704.199
- SET BRONZE DISK IN CONCRETE S.W. CORNER OF SIDEWALK AT ITASCA VILLAGE HALL.
ELEV: 686.505

PROP. CURVE P_BLC-1	EXIST. CURVE E_BLOOM-1	PROP. CURVE P_BLC-2	EXIST. CURVE E_IL19-4	PROP. CURVE P_19C-1
PI STA. = 2000+93.57	PI STA. = 4198+70.94	PI STA. = 2007+09.04	PI STA. = 201+63.53	PI STA. = 1006+46.33
$\Delta = 2^\circ 18' 54''$ (LT)	$\Delta = 15^\circ 13' 57''$ (LT)	$\Delta = 15^\circ 10' 03''$ (LT)	$\Delta = 40^\circ 33' 25''$ (LT)	$\Delta = 40^\circ 20' 14''$ (LT)
D = 1° 14' 14"	D = 11° 27' 33"	D = 11° 28' 56"	D = 7° 59' 56"	D = 8° 11' 10"
R = 4,631.00'	R = 500.00'	R = 499.00'	R = 716.29'	R = 699.92'
T = 93.57'	T = 66.86'	T = 66.44'	T = 264.66'	T = 257.09'
L = 187.11'	L = 132.93'	L = 132.10'	L = 507.03'	L = 492.76'
E = 0.95'	E = 4.45'	E = 4.40'	E = 47.33'	E = 45.72'
e = -----	e = -----	e = -----	e = -----	e = -----
T.R. = -----	T.R. = -----	T.R. = -----	T.R. = -----	T.R. = -----
S.E. RUN = -----	S.E. RUN = -----	S.E. RUN = -----	S.E. RUN = -----	S.E. RUN = -----
P.C. STA. = 2000+00.00	P.C. STA. = 4198+04.08	P.C. STA. = 2006+42.60	P.C. STA. = 198+98.87	P.C. STA. = 1003+89.24
P.T. STA. = 2001+87.11	P.T. STA. = 4199+37.01	P.T. STA. = 2007+74.70	P.T. STA. = 204+05.90	P.T. STA. = 1008+82.00

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.U. ROUTE 1321 (IL. ROUTE 19)

IL ROUTE 19
ALIGNMENT, TIES AND BENCHMARKS

SCALE: 1" = 50'
DATE 8/31/06

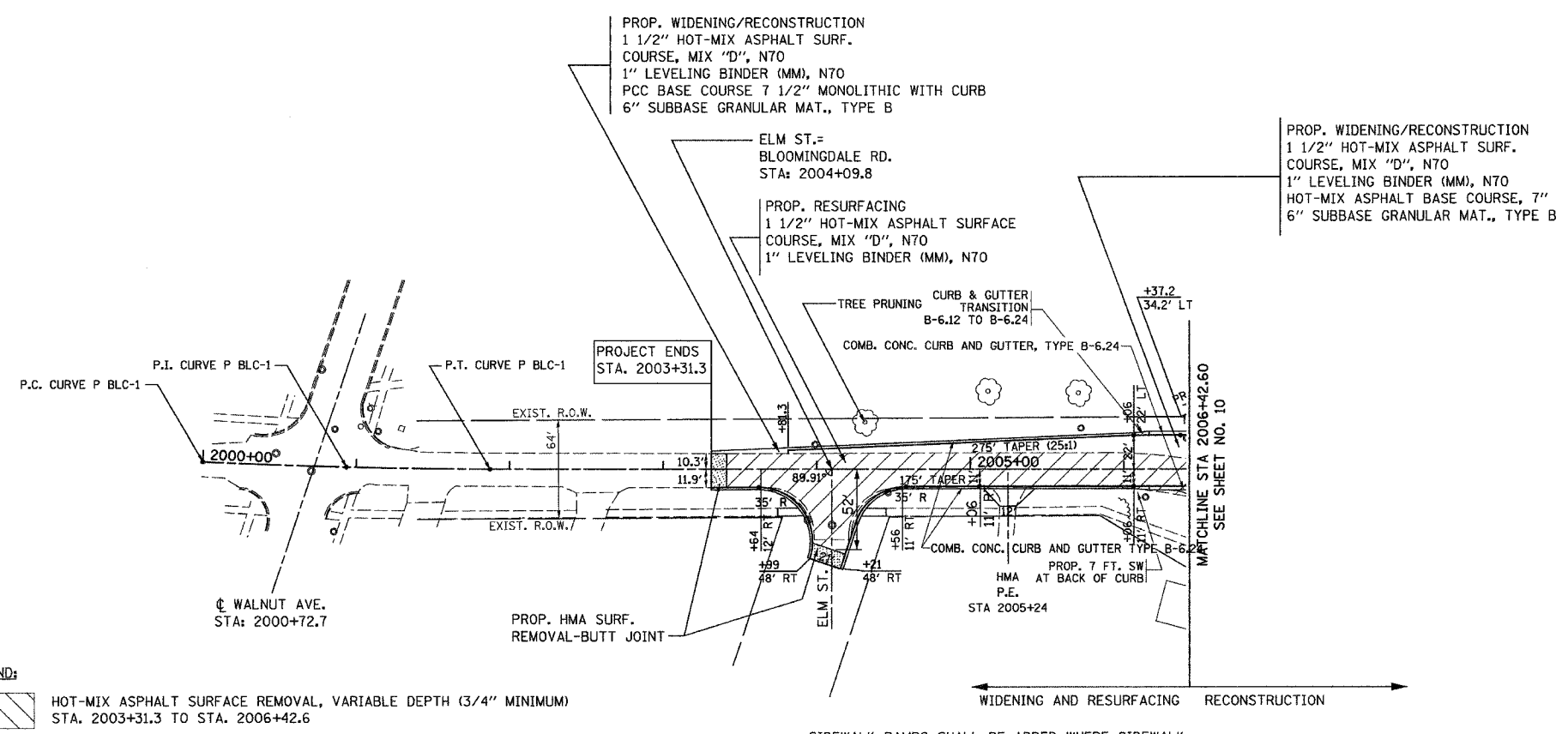
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711 N-1	DUPAGE	54	11
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



PLAN	DATE
BY	
DATE	
BY	
DATE	
BY	
DATE	

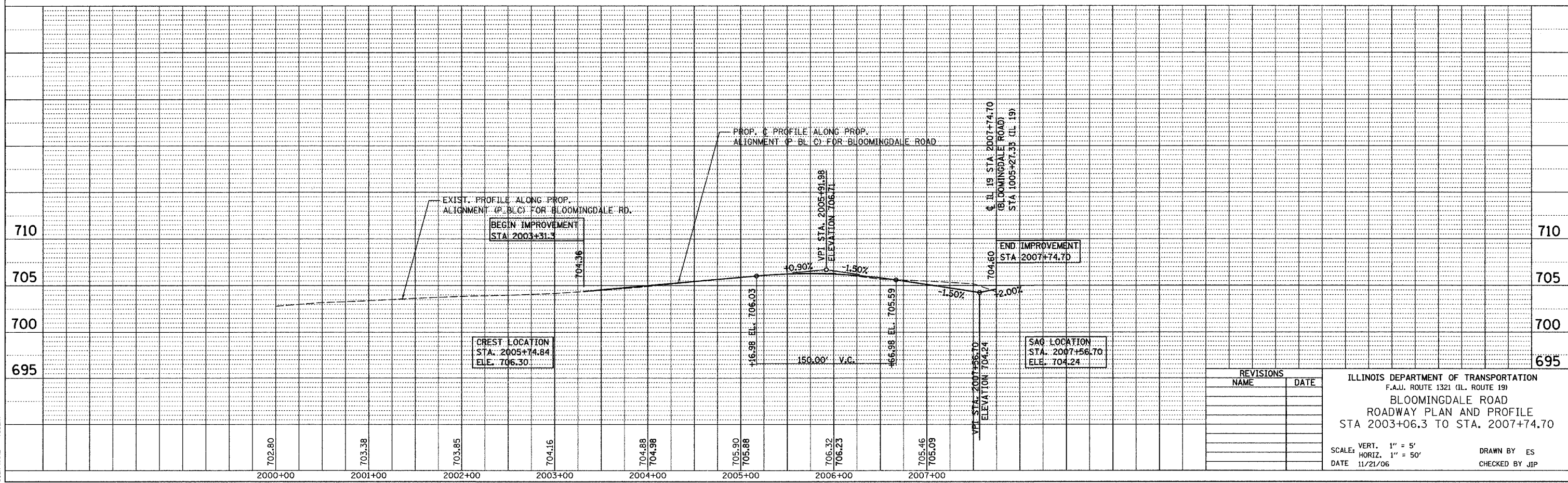


LEGEND:
 HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH (3/4" MINIMUM) STA. 2003+31.3 TO STA. 2006+42.6

PROP. CURVE P BLC-1
 P.I. STA. = 2000+93.57
 $\Delta = 2^\circ 18' 54''$ (LT)
 $D = 1^\circ 14' 14''$
 $R = 4,631.00'$
 $T = 93.57'$
 $L = 187.11'$
 $E = 0.95'$
 P.C. STA. = 2000+00.00
 P.T. STA. = 2001+87.11

SIDEWALK RAMPS SHALL BE ADDED WHERE SIDEWALK (EX. AND PROP.) CROSSES THE PAVEMENT.
 DETECTABLE WARNINGS SHALL BE USED

PROFILE	DATE
BY	
DATE	
BY	
DATE	



REVISIONS	NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.U. ROUTE 1321 (IL. ROUTE 19)
 BLOOMINGDALE ROAD
 ROADWAY PLAN AND PROFILE
 STA 2003+06.3 TO STA. 2007+74.70
 SCALE: VERT. 1" = 5'
 HORIZ. 1" = 50'
 DATE 11/21/06
 DRAWN BY ES
 CHECKED BY JJP

PLOT DATE = 11/21/06
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 USER NAME = MUSER

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

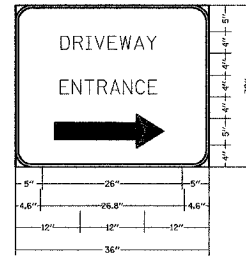
GENERAL NOTES

- ALL OF THE TRAFFIC CONTROL DEVICES SHALL BE IN PLACE BEFORE CONSTRUCTION IS STARTED. EXISTING STOP AND STOP AHEAD SIGNS SHALL BE RELOCATED TO CONTROL SIDE STREET OR ENTRANCE TRAFFIC FOR THE VARIOUS STAGES OF CONSTRUCTION. THE TRAFFIC CONTROL PLANS SHALL SERVE AS A GUIDE FOR THE SAFE DIVERSION OF TRAFFIC DURING EXECUTION OF THIS CONTRACT.
- A MINIMUM OF TWO LANES (11 FEET) IN EACH DIRECTION SHALL BE KEPT OPEN TO THROUGH TRAFFIC AT ALL TIMES EXCEPT AS NOTED IN THE PLANS. IF ONE LANE IN EACH DIRECTION MUST BE CLOSED AT ANY TIME DUE TO CONSTRUCTION, IT SHALL BE BETWEEN 9:00 AM AND 3:00 PM, MONDAY THROUGH FRIDAY. THESE CLOSURES MUST BE APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL GIVE AT LEAST 48 HOURS PRIOR NOTICE TO THE VILLAGE ENGINEER (ITASCA) BEFORE CLOSING BLOOMINGDALE ROAD DURING CONSTRUCTION
- THE CONTRACTOR SHALL PROVIDE 48 HOUR WRITTEN NOTICE TO THE ENGINEER, PROPERTY OWNERS AND VILLAGE OF ANY DRIVEWAY CLOSURES. APPROXIMATE DIRECTIONAL SIGNAGE SHALL BE PROVIDED SO THAT PATRONS OF THESE AFFECTED BUSINESSES CAN ACCESS THE PROPERTIES BY OTHER ROUTES. THIS ACTIVITY SHALL BE COORDINATED WITH THE RESIDENT ENGINEER FOR THE PROJECT. COST OF SIGNS INCLUDED WITH TEMPORARY ACCESS.
- THE CONTRACTOR SHALL PROVIDE ADVANCE NOTICE CONSTRUCTION SIGNING. SIGNS SHALL BE ERECTED ONE WEEK IN ADVANCE OF THE START OF THE CONSTRUCTION. SIGNS SHALL BE TAKEN DOWN AS SOON AS THEY ARE NO LONGER APPLICABLE ON A CONTINUOUS BASIS AND RE-ERECTED AS APPROPRIATE. AN EXAMPLE SIGN IS:

"BLOOMINGDALE ROAD CLOSED STARTING ..."

SEE DETAIL FOR "TEMPORARY INFORMATION SIGNING" IN PLANS. THESE SIGNS SHALL BE PAID AS TEMPORARY INFORMATION SIGNING.

DRIVEWAY ENTRANCE SIGNING



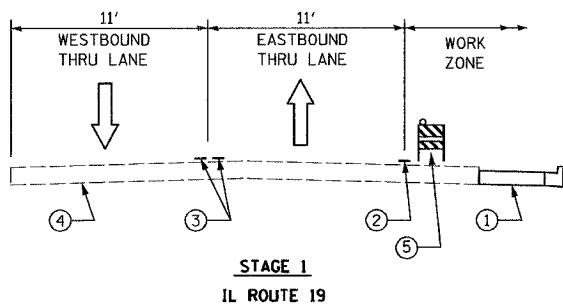
3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12" x 5.0"

NOTES: HALF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW

TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK; ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE OF THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT HAND SIDE OF THE DRIVEWAY.

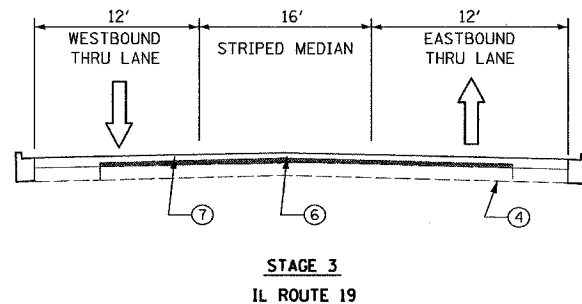
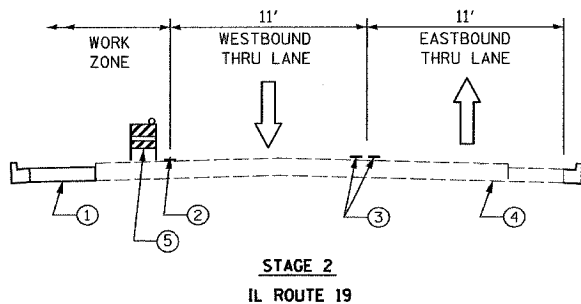
SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING"

TYPICAL SECTIONS



LEGEND

- PROPOSED PCC PAVEMENT (WIDENING)
- TEMPORARY PAVEMENT MARKING LINE, 4", WHITE
- TEMPORARY PAVEMENT MARKING LINE, 4", YELLOW (2 @ 11" CTC)
- EXISTING PAVEMENT
- TYPE II BARRICADE (AT 50' CTC)
- BITUMINOUS SURFACE REMOVAL, VARIABLE DEPTH
- PROPOSED LEVELING BINDER AND SURFACE COURSE TO BE CONSTRUCTED USING DAY OPERATIONS



SEQUENCE OF OPERATION

STAGE 1

ONE LANE OF TRAFFIC IN EACH DIRECTION WILL BE PROVIDED ALONG IL ROUTE 19. NO THROUGH TRAFFIC WILL BE ALLOWED ALONG BLOOMINGDALE ROAD WITHIN THE CONSTRUCTION LIMITS. BLOOMINGDALE ROAD WILL BE CLOSED FOR STAGE 1 ONLY DUE TO THE RECONSTRUCTION BETWEEN STA. 2006+42.6 TO STA. 2007+64.5.

RESIDENTS WITHIN THE CONSTRUCTION LIMITS WILL BE PROVIDED ACCESS TO WESTBOUND BLOOMINGDALE ROAD THROUGHOUT CONSTRUCTION. LOCAL TRAFFIC WILL BE PROVIDED A DETOUR ROUTE ON WALNUT STREET THROUGHOUT CONSTRUCTION.

ROADWAY BASE COURSE WIDENING WILL BE CONSTRUCTED ON THE SOUTH SIDE OF IL ROUTE 19 FROM STA. 1000+89.2 TO STA. 1011+98.3 AND ON BOTH SIDES OF BLOOMINGDALE ROAD FROM STA. 2003+06.3 TO STA. 2006+42.6. NEW ROADWAY BASE COURSE WILL BE CONSTRUCTED ON BLOOMINGDALE ROAD FROM STA. 2006+42.6 TO STA. 2007+64.5. CURB & GUTTER, BITUMINOUS SHOULDER, AGGREGATE SHOULDER, DRIVEWAYS, AND SIDEWALK WILL ALSO BE CONSTRUCTED WITH THE BASE COURSE WIDENING AND NEW CONSTRUCTION.

STORM SEWER WILL BE CONSTRUCTED ALONG THE SOUTH SIDE OF IL ROUTE 19 FROM STA. 1000+88 TO STA. 1009+00. THE NEW STORM SEWER WILL CONNECT TO AN EXISTING MANHOLE ON THE NORTH SIDE OF IL ROUTE 19 AT STA. 1000+88, 17 FEET LEFT. PAVEMENT PATCHING WILL BE REQUIRED AT THE LOCATION OF THE STORM SEWER CROSSING. PLEASE NOTE THAT THE STORM SEWER WILL BE DESIGNED ALONG THE SOUTH SIDE OF IL ROUTE 19 AS PER THE 2004 LOCATION DRAINAGE STUDY FOR THE IL ROUTE 19 CORRIDOR. THIS DESIGN WILL ROUTE STORMWATER COLLECTED ON THE NORTH SIDE OF IL ROUTE 19 TO THE SOUTH SIDE, AND THEN BACK ACROSS IL ROUTE 19 TO THE EXISTING STORM SEWER CONNECTION. THIS IS AN INTERMEDIATE DESIGN THAT WILL ALLOW FOR THE EXPANSION OF THE PROPOSED STORM SEWER ALONG THE SOUTH SIDE OF IL ROUTE 19 AT THE TIME THAT THE REST OF THE IL ROUTE 19 CORRIDOR IS IMPROVED.

STAGE 2

ONE LANE OF TRAFFIC IN EACH DIRECTION WILL BE PROVIDED ALONG BOTH IL ROUTE 19 AND BLOOMINGDALE ROAD. NO LEFT TURNS WILL BE ALLOWED ONTO BLOOMINGDALE ROAD FROM IL ROUTE 19 AND NO LEFT TURNS WILL BE ALLOWED ONTO IL ROUTE 19 FROM BLOOMINGDALE ROAD (RIGHT-IN AND RIGHT-OUT TRAFFIC MOVEMENTS ONLY).

TURNING RESTRICTIONS HAVE BEEN PROPOSED SINCE IL 19 WILL NOT BE WIDE ENOUGH TO PROVIDE A DEDICATED LEFT TURN LANE AND TRAFFIC SIGNALS WILL NOT BE INSTALLED BY THIS POINT.

A DETOUR FOR MOTORISTS GOING FROM WESTBOUND IL 19 TO WESTBOUND BLOOMINGDALE ROAD WILL BE PROVIDED USING WALNUT AVENUE. NO DETOUR WILL BE PROVIDED FOR MOTORISTS GOING FROM EASTBOUND BLOOMINGDALE RD. TO WESTBOUND IL 19 SINCE THIS MOVEMENT IS CURRENTLY NOT ALLOWED AND IT IS ASSUMED THAT MOTORISTS ALREADY USE WALNUT AVE.

ROADWAY BASE COURSE WIDENING WILL BE CONSTRUCTED ON THE NORTH SIDE OF IL ROUTE 19 FROM STA. 1001+79.2 TO STA. 1011+98.3. CURB & GUTTER, BITUMINOUS SHOULDER, AGGREGATE SHOULDER, AND DRIVEWAYS WILL BE CONSTRUCTED IN CONJUNCTION WITH THE BASE COURSE WIDENING.

STORM SEWER LATERALS AND ASSOCIATED PAVEMENT PATCHING WILL BE CONSTRUCTED SIMULTANEOUSLY WITH THE BASE COURSE WIDENING.

STAGE 3

ONE LANE OF TRAFFIC IN EACH DIRECTION WILL BE PROVIDED ALONG BOTH IL ROUTE 19 AND BLOOMINGDALE ROAD. NO LEFT TURNS WILL BE ALLOWED ONTO BLOOMINGDALE ROAD FROM IL ROUTE 19 AND NO LEFT TURNS WILL BE ALLOWED ONTO IL ROUTE 19 FROM BLOOMINGDALE ROAD (RIGHT-IN AND RIGHT-OUT TRAFFIC MOVEMENTS ONLY).

TURNING RESTRICTIONS HAVE BEEN PROPOSED SINCE IL 19 WILL NOT BE WIDE ENOUGH TO PROVIDE A DEDICATED LEFT TURN LANE AND TRAFFIC SIGNALS WILL NOT BE INSTALLED BY THIS POINT.

A DETOUR FOR MOTORISTS GOING FROM WESTBOUND IL 19 TO WESTBOUND BLOOMINGDALE ROAD WILL BE PROVIDED USING WALNUT AVENUE. NO DETOUR WILL BE PROVIDED FOR MOTORISTS GOING FROM EASTBOUND BLOOMINGDALE RD. TO WESTBOUND IL 19 SINCE THIS MOVEMENT IS CURRENTLY NOT ALLOWED AND IT IS ASSUMED THAT MOTORISTS ALREADY USE WALNUT AVE.

THE EXISTING PAVEMENT WILL HAVE VARIABLE DEPTH MILLED OFF THE SURFACE TO MATCH THE SURFACE OF THE BASE COURSE WIDENING CONSTRUCTED IN STAGES 1 & 2. THE PAVEMENT MILLING WILL BE PERFORMED AT THE START OF STAGE 3 TO MINIMIZE THE TIME THAT THE MILLED SURFACE IS EXPOSED TO TRAFFIC.

ONCE THE SURFACE HAS BEEN MILLED, THE LEVELING BINDER AND BITUMINOUS SURFACE COURSE CAN BE CONSTRUCTED.

THE PROPOSED TRAFFIC SIGNALS, THERMOPLASTIC PAVEMENT MARKING, AND RAISED REFLECTIVE PAVEMENT MARKERS WILL BE INSTALLED AFTER PAVING HAS BEEN COMPLETED.

SIGN LEGEND

* FLAGS OPTIONAL

W 20-1 48" x 48"	W 20-3 48" x 48"
G 20-2 60" x 24"	W 20-3 48" x 48"
R 3-2 30" x 30"	W1-4L 48" x 48"
R 11-2 60" x 30"	W1-4R 48" x 48"
M 4-9 R OR L 30" x 24"	60" x 30"
R OR L 30" x 24"	18" x 60"
R OR L 30" OR 24"	M4-10 48" x 18"
	48" x 48"

REVISIONS	
NAME	DATE

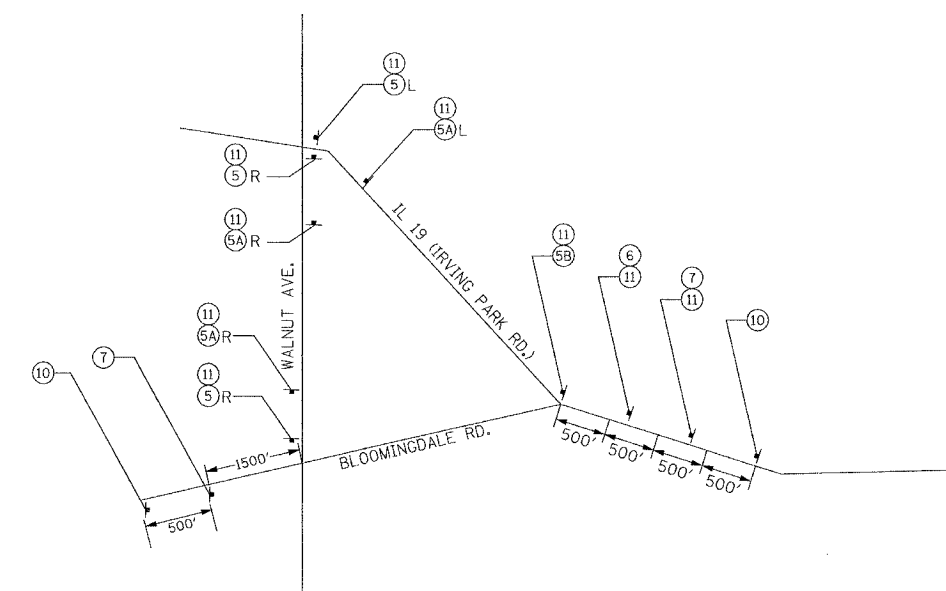
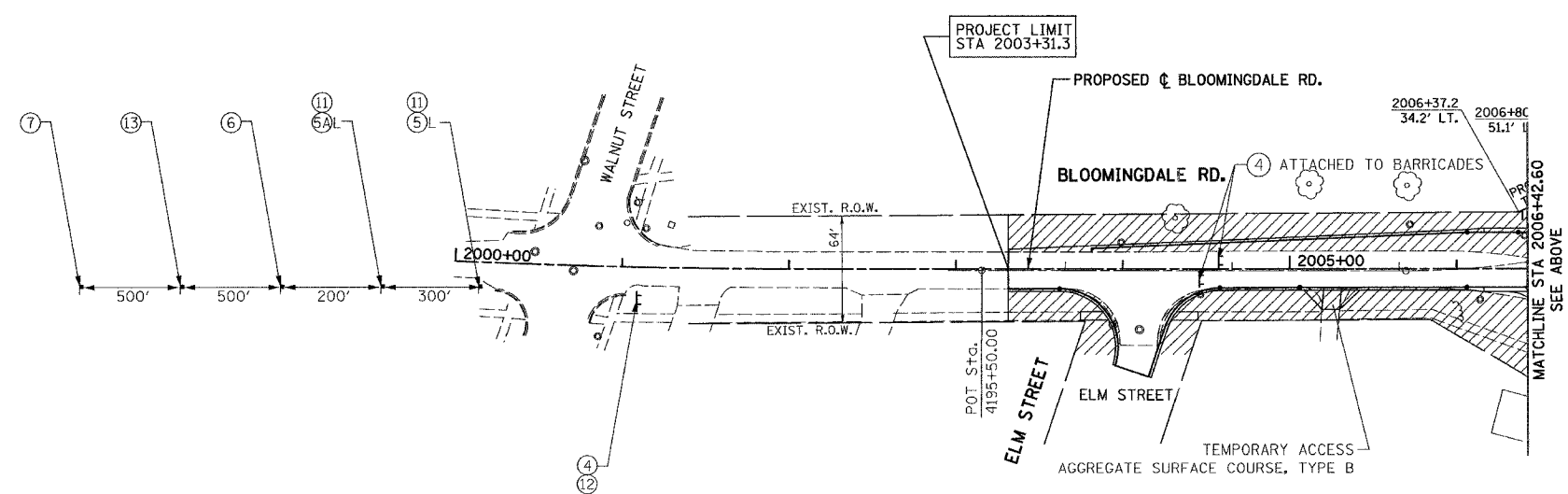
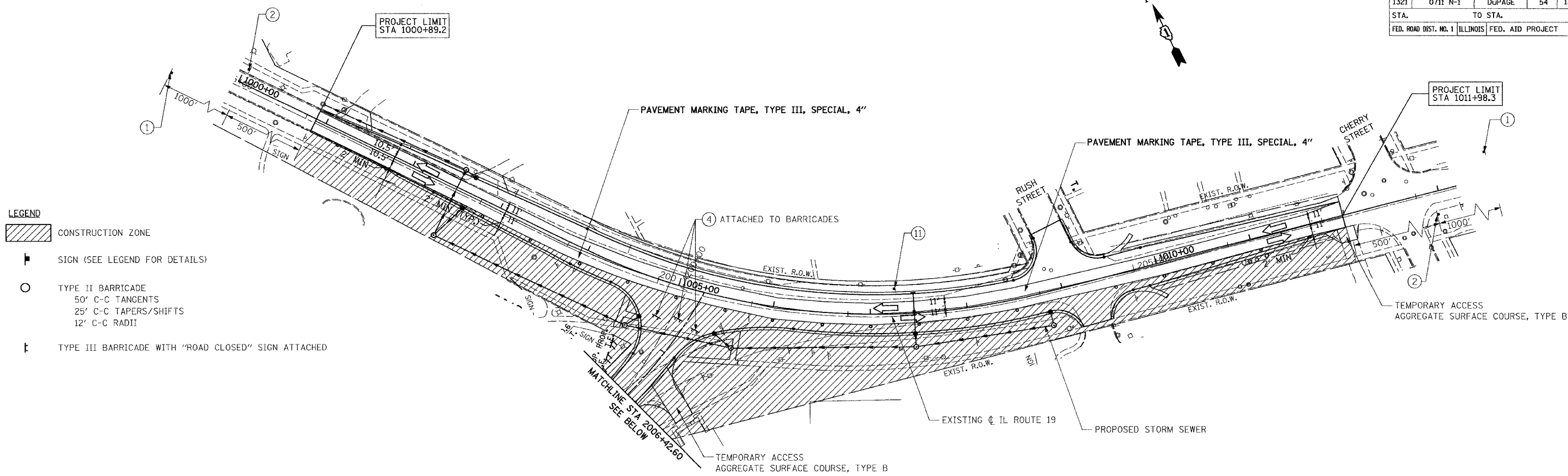
ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.U. ROUTE 1321 (IL. ROUTE 19)

MAINTENANCE OF TRAFFIC
GENERAL NOTES, SIGNING LEGEND,
SEQUENCE OF OPERATION

SCALE: NONE
DATE 8/31/06
DRAWN BY ES
CHECKED BY JIP

PLOT DATE = 8/28/06
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA. TO STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.U. ROUTE 1321 (IL. ROUTE 19)

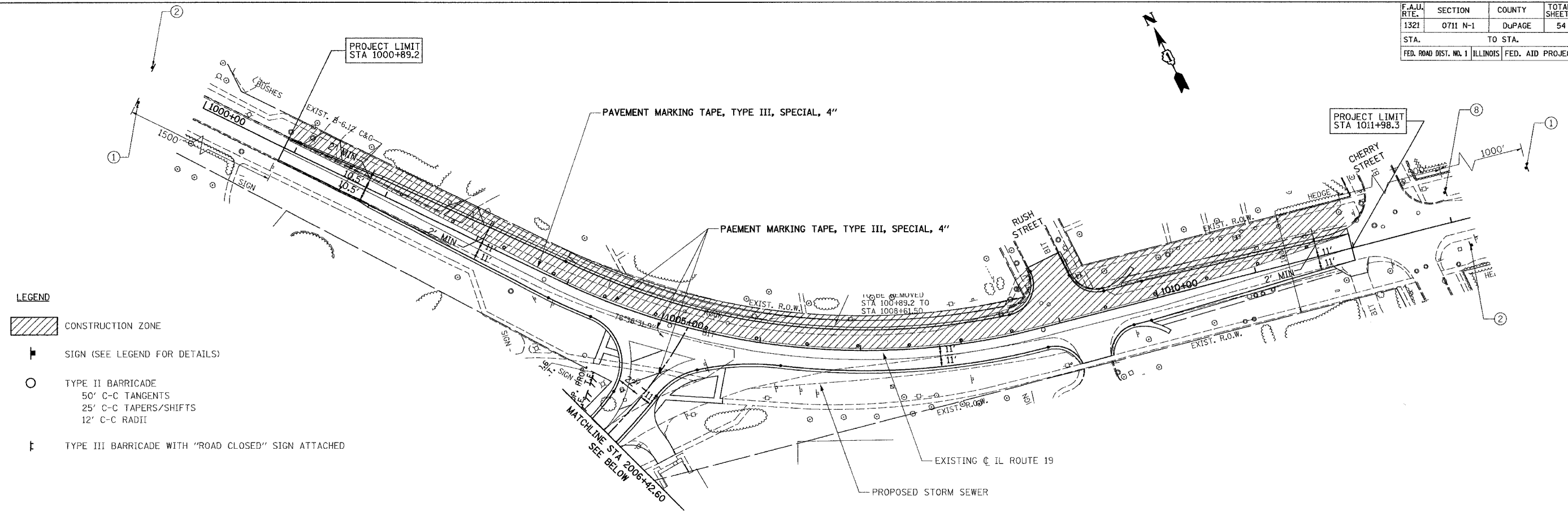
MAINTENANCE OF TRAFFIC
STAGE 1

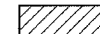



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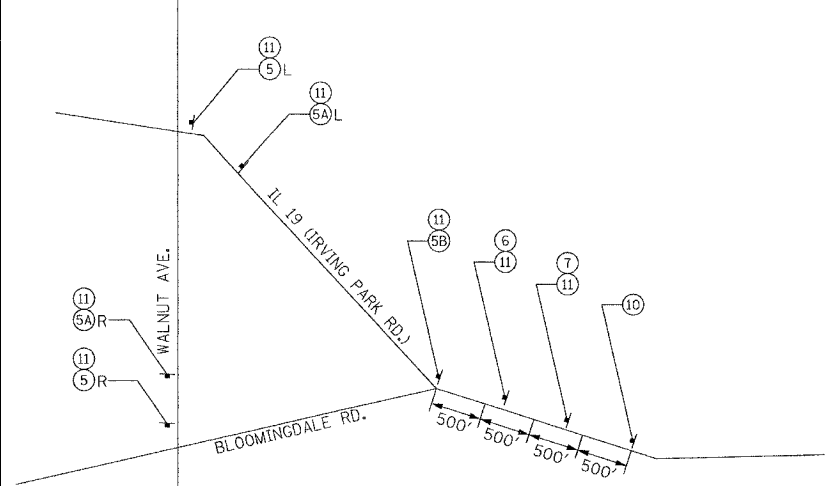
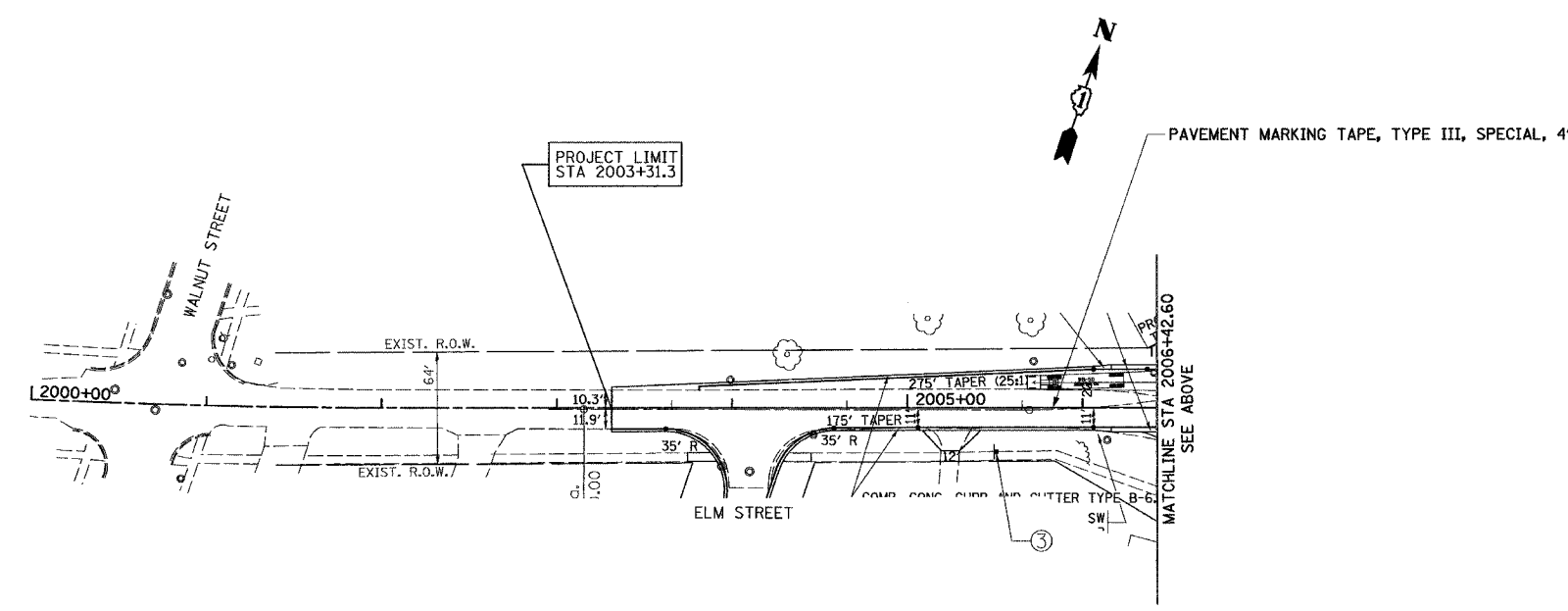
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 USER NAME = USER

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711 N-1	DUPAGE	54	14
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



- LEGEND**
-  CONSTRUCTION ZONE
 -  SIGN (SEE LEGEND FOR DETAILS)
 -  TYPE II BARRICADE
50' C-C TANGENTS
25' C-C TAPERS/SHIFTS
12' C-C RADII
 -  TYPE III BARRICADE WITH "ROAD CLOSED" SIGN ATTACHED



DETOUR PLAN
STAGE 2

REVISIONS	
NAME	DATE





ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.U. ROUTE 1321 (IL. ROUTE 19)
MAINTENANCE OF TRAFFIC
STAGE 2

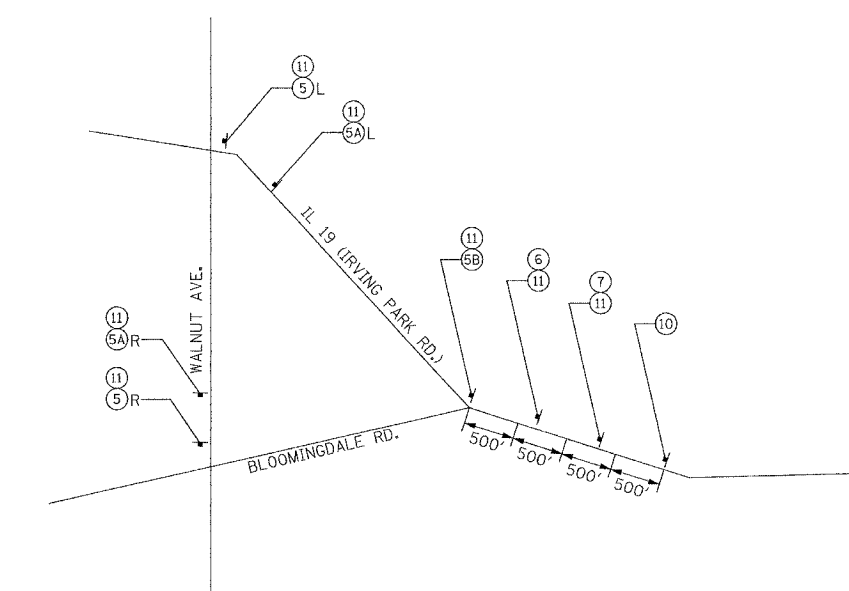
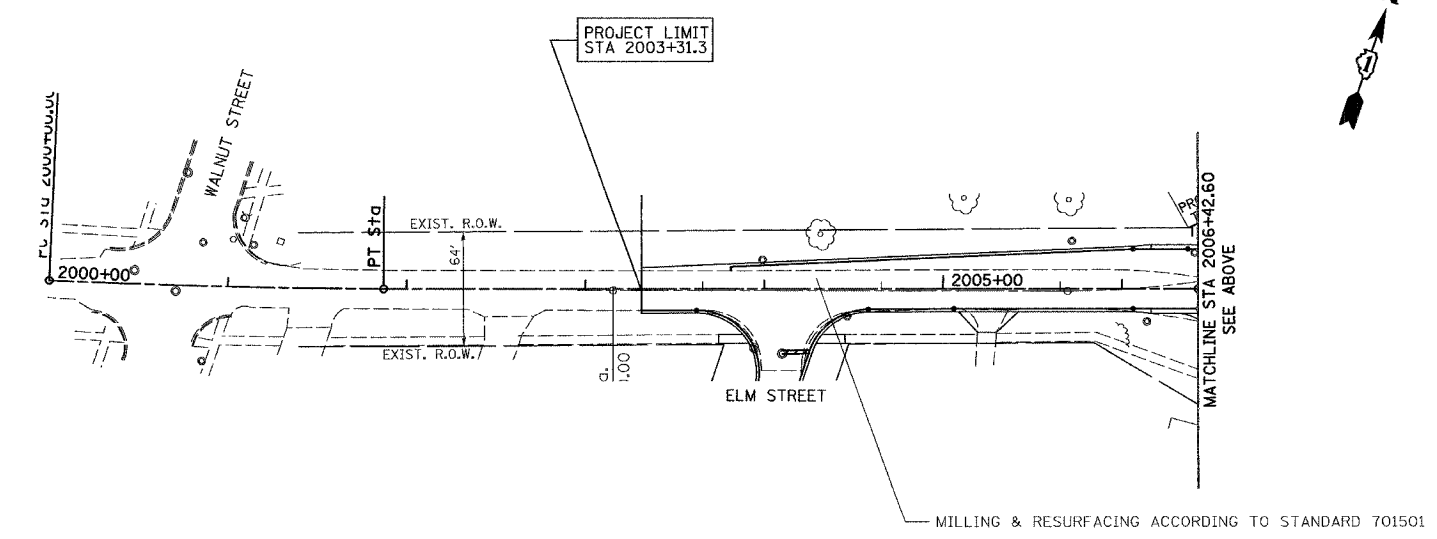
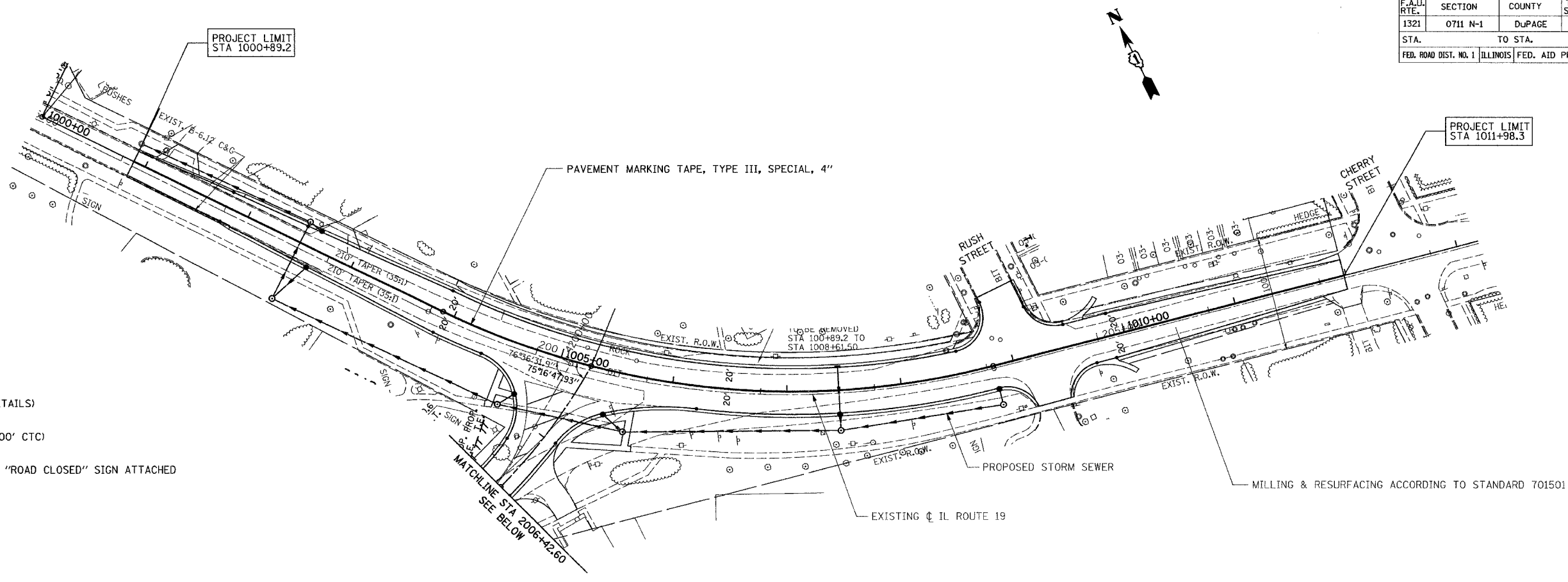
SCALE: 1"=50'
DATE 8/31/06
DRAWN BY ES
CHECKED BY JJP

PLOT DATE = 8/31/06
 FILE NAME = C:\PROJECTS\Bloomingsdale\Proposed\Plans\Rev\Geom\DOT Concept\Plan\DOT Stage 2.dgn
 PLOT SCALE = 1/8"=1'-0"
 USER NAME = JJP

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711 N-1	DUPAGE	54	15
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		

LEGEND

-  CONSTRUCTION ZONE
-  SIGN (SEE LEGEND FOR DETAILS)
-  TYPE II BARRICADE (AT 200' CTC)
-  TYPE III BARRICADE WITH "ROAD CLOSED" SIGN ATTACHED



DETOUR PLAN
STAGE 3

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
F.A.U. ROUTE 1321 (IL. ROUTE 19)

MAINTENANCE OF TRAFFIC

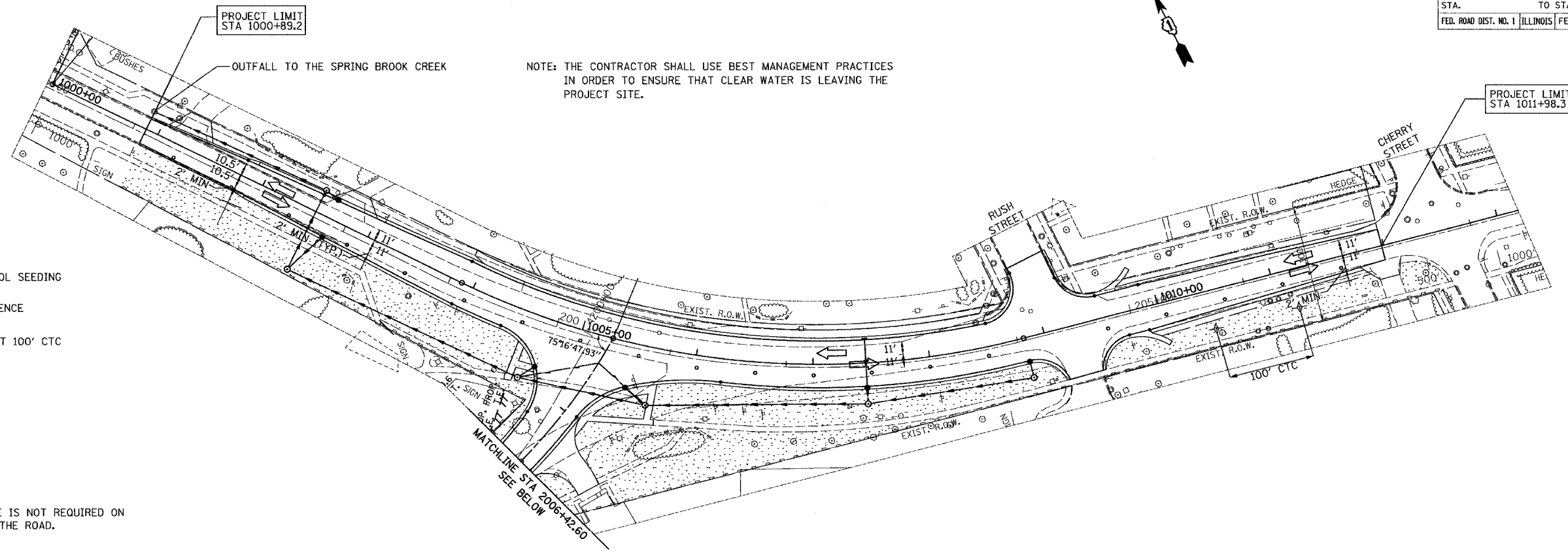
STAGE 3

SCALE: 1"=50'
DATE: 8/31/06

DRAWN BY: ES
CHECKED BY: JJP

PLOT DATE = 8/31/06
 PLOT TIME = 10:55:00
 PLOT SCALE = #SCALE#
 USER NAME = #USER#

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711 N-1	DUPAGE	54	16
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

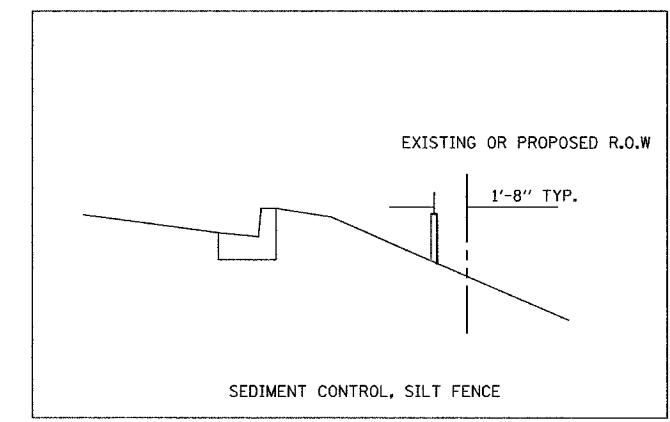
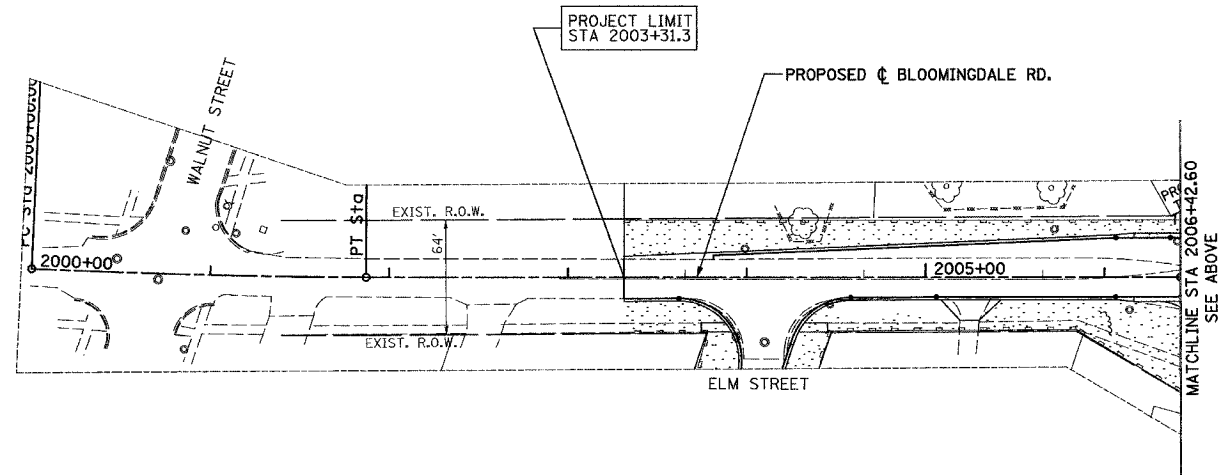


NOTE: THE CONTRACTOR SHALL USE BEST MANAGEMENT PRACTICES IN ORDER TO ENSURE THAT CLEAR WATER IS LEAVING THE PROJECT SITE.

LEGEND

- TEMPORARY EROSION CONTROL SEEDING
- SEDIMENT CONTROL, SILT FENCE
- TEMPORARY DITCH CHECK, AT 100' CTC
- TEMPORARY FENCE

NOTE: SEDIMENT CONTROL, SILT FENCE IS NOT REQUIRED ON AN UPWARD SLOPE AWAY FROM THE ROAD.



PLOT DATE = 8/28/06
 FILE NAME = I:\PROJECTS\Bloomngdale\Proposed\Plans\Rev\Geom\MT Concept\Plan\EROSION Stage 1.dgn
 PLOT SCALE = AS CALLED
 USER NAME = JLSB

REVISIONS	
NAME	DATE

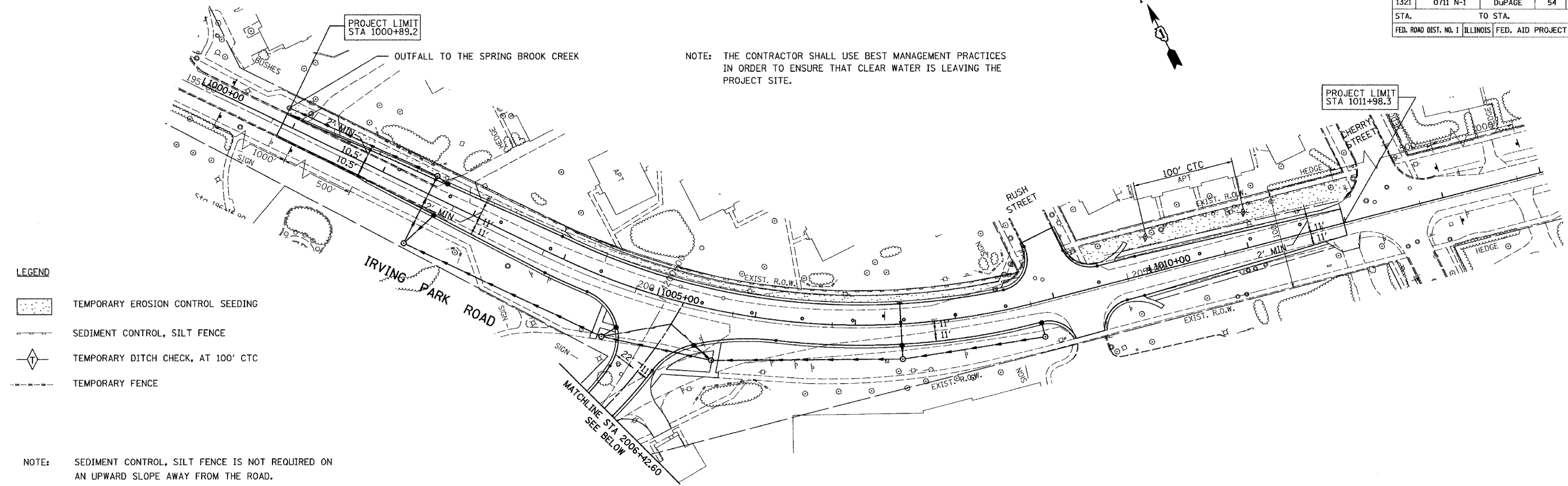
ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.U. ROUTE 1321 (IL. ROUTE 19)

EROSION CONTROL PLAN
 STAGE I

SCALE: 1"=50'
 DATE 8/31/06

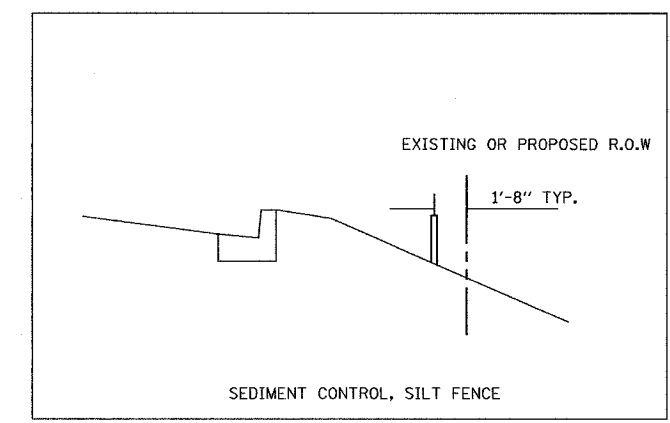
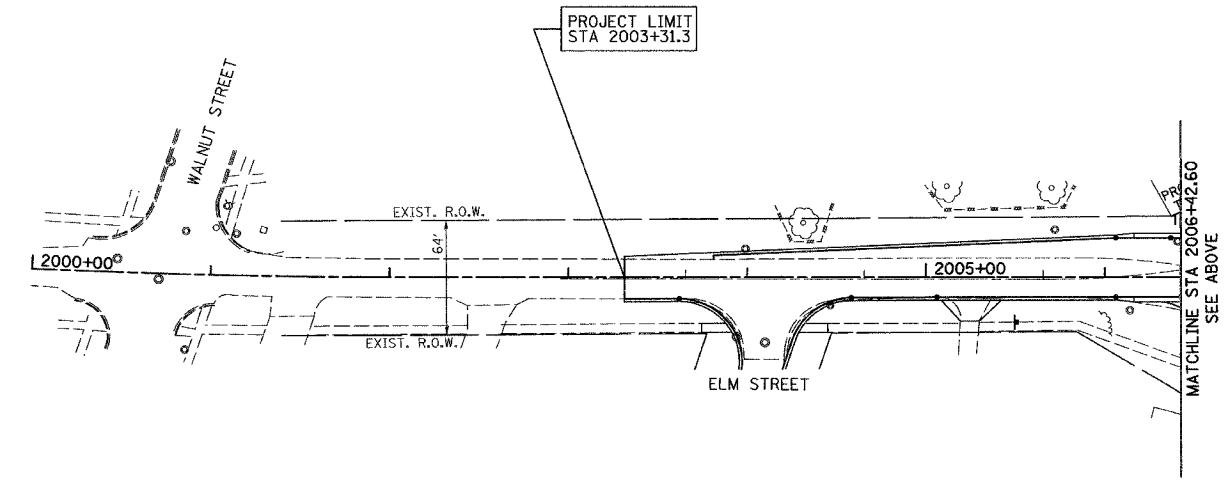
DRAWN BY ES
 CHECKED BY JJP

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711 N-1	DUPAGE	54	17
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



- LEGEND**
- TEMPORARY EROSION CONTROL SEEDING
 - SEDIMENT CONTROL, SILT FENCE
 - TEMPORARY DITCH CHECK, AT 100' CTC
 - TEMPORARY FENCE

NOTE: SEDIMENT CONTROL, SILT FENCE IS NOT REQUIRED ON AN UPWARD SLOPE AWAY FROM THE ROAD.



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.U. ROUTE 1321 (IL. ROUTE 19)

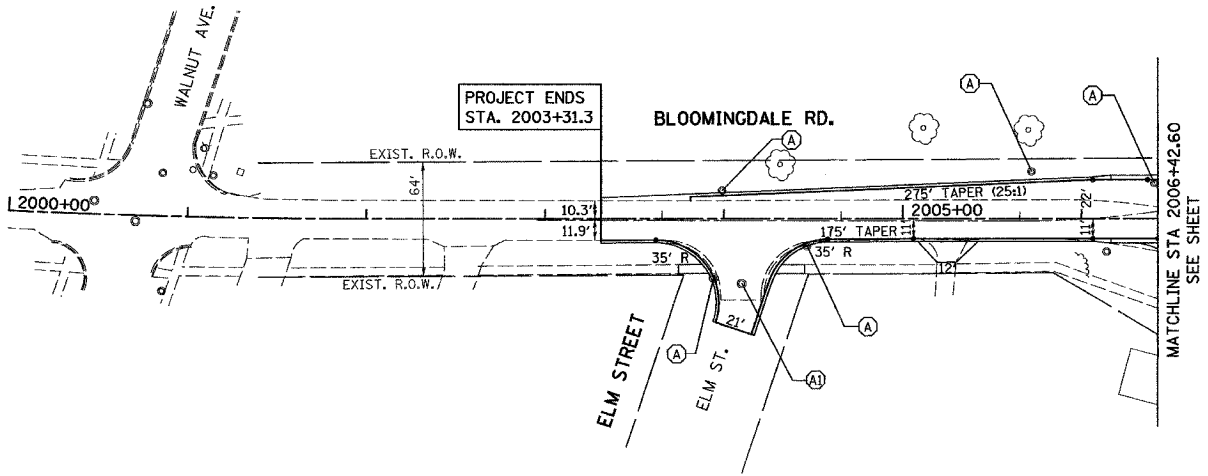
**EROSION CONTROL PLAN
 STAGE 2**

SCALE: 1"=50'
 DATE: 8/31/06

DRAWN BY: ES
 CHECKED BY: JJP

PLOT DATE = 8/30/06
 PLOT NAME = FACILITY\Bloomingsdale\Proposed\Plans\Rev\Geom\VT Concept Plan\EROSION Stage 2.dgn
 PLOT SCALE = 48000
 USER NAME = USER

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711 N-1	DUPAGE	54	19
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

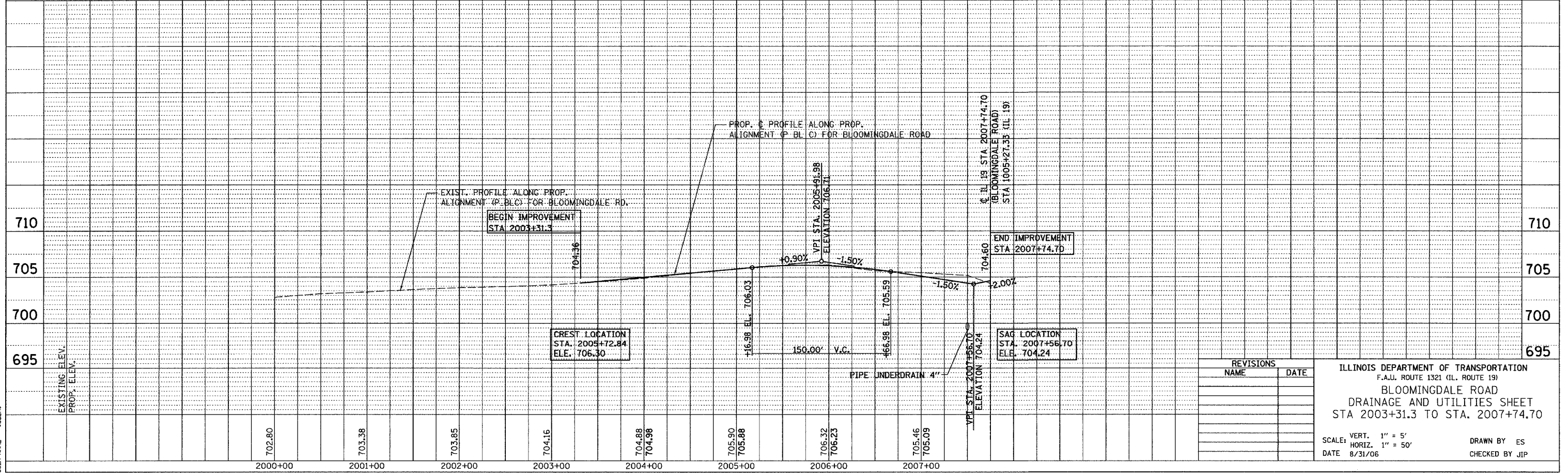


- (A) FRAMES AND GRATES TO BE ADJUSTED
- (AI) FRAMES AND GRATES TO BE ADJUSTED, SPECIAL

PLAN	DATE
NO.	
BY	
DATE	
NO.	
BY	
DATE	
NO.	

PROFILE	DATE
NO.	
BY	
DATE	
NO.	

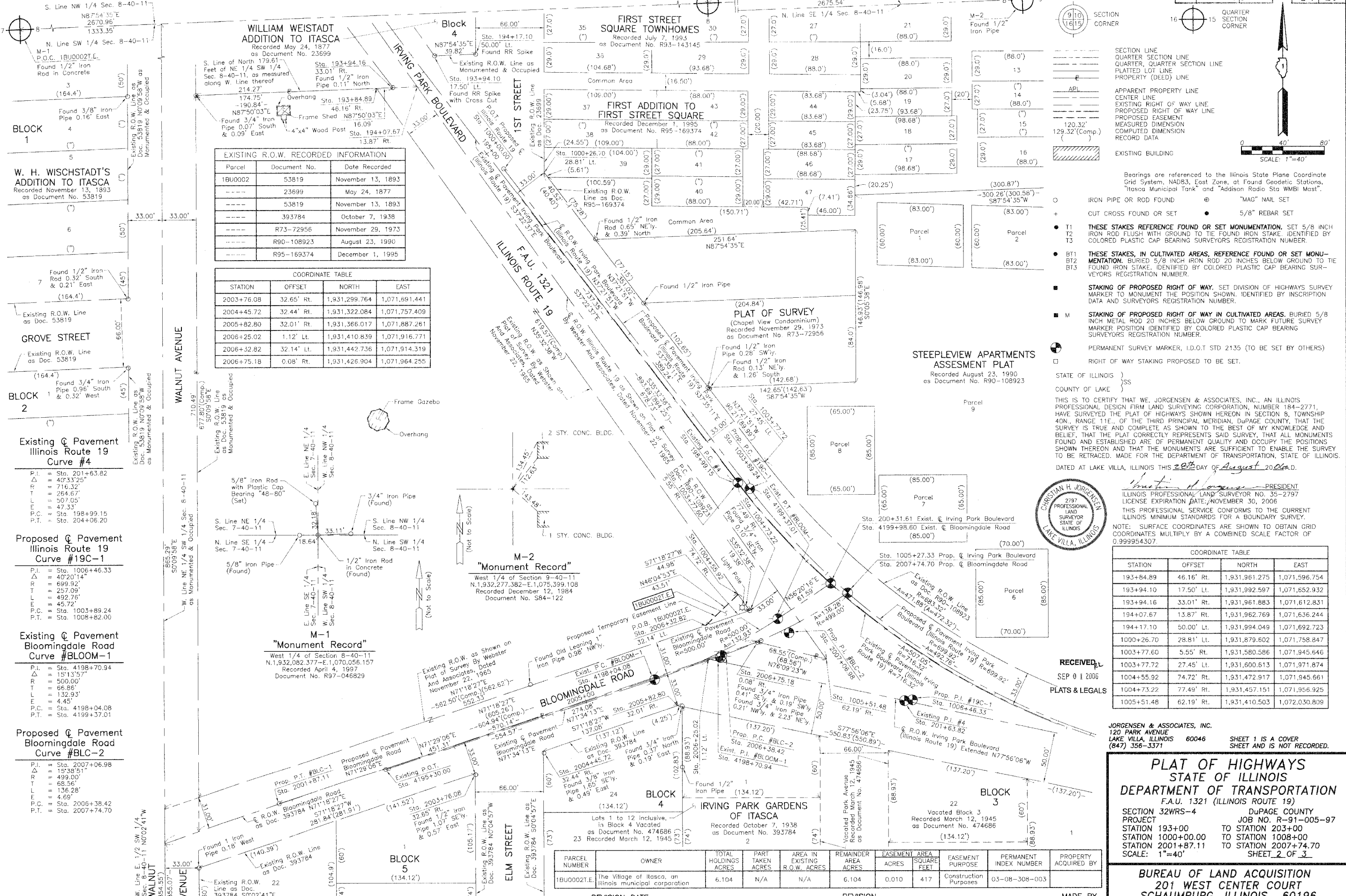
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 PLOT SCALE = 1" = 50'
 USER NAME = JIP



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.U. ROUTE 1321 (IL. ROUTE 19)
BLOOMINGDALE ROAD
DRAINAGE AND UTILITIES SHEET
STA 2003+31.3 TO STA. 2007+74.70
 VERT. 1" = 5'
 SCALE: HORIZ. 1" = 50'
 DATE 8/31/06
 DRAWN BY ES
 CHECKED BY JIP

PART OF THE SW 1/4 OF SEC. 8, TWP. 40 N., R. 11 E. OF THE 3RD. P.M., IN DUPAGE COUNTY, ILLINOIS.



W. H. WISCHSTADT'S ADDITION TO ITASCA
Recorded November 13, 1893
as Document No. 53819

EXISTING R.O.W. RECORDED INFORMATION

Parcel	Document No.	Date Recorded
1BU0002	53819	November 13, 1893
-----	23699	May 24, 1877
-----	53819	November 13, 1893
-----	393784	October 7, 1938
-----	R73-72956	November 29, 1973
-----	R90-108923	August 23, 1990
-----	R95-169374	December 1, 1995

COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
2003+76.08	32.65' Rt.	1,931,299.764	1,071,691.441
2004+45.72	32.44' Rt.	1,931,322.084	1,071,757.409
2005+82.80	32.01' Rt.	1,931,366.017	1,071,887.261
2006+25.02	1.12' Lt.	1,931,410.839	1,071,916.771
2006+52.82	32.14' Lt.	1,931,442.736	1,071,914.319
2006+75.18	0.08' Rt.	1,931,426.904	1,071,964.255

Proposed Pavement Illinois Route 19 Curve #19C-1

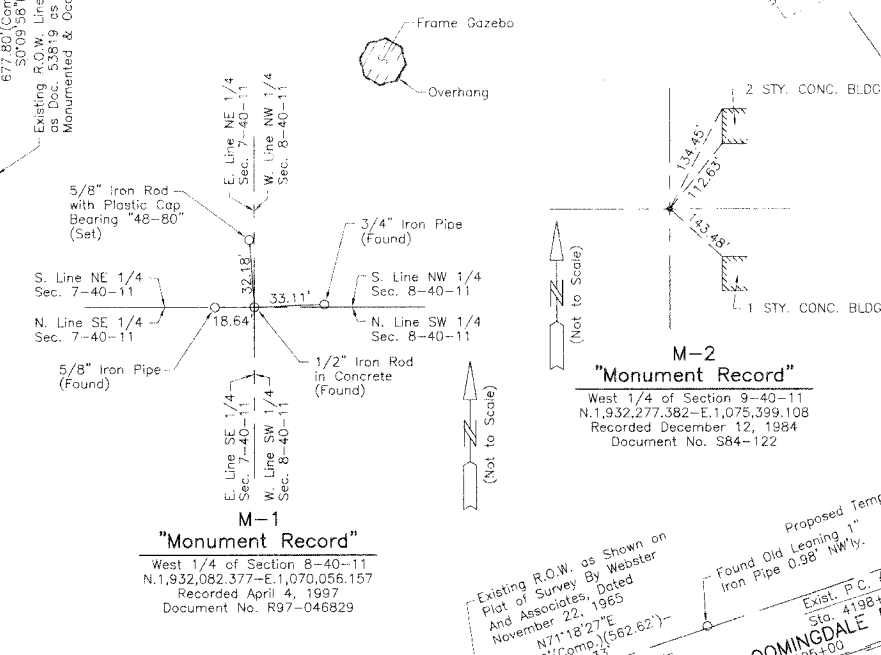
P.I. = Sta. 1006+46.33
Δ = 40°33'25"
R = 699.92'
T = 257.09'
L = 492.76'
E = 45.72'
P.C. = Sta. 198+99.15
P.T. = Sta. 204+06.20

Existing Pavement Bloomingdale Road Curve #BLOOM-1

P.I. = Sta. 4198+70.94
Δ = 15°13'57"
R = 500.00'
T = 66.86'
L = 132.93'
E = 4.45'
P.C. = Sta. 4198+04.08
P.T. = Sta. 4199+37.01

Proposed Pavement Bloomingdale Road Curve #BLC-2

P.I. = Sta. 2007+06.98
Δ = 15°38'51"
R = 499.00'
T = 68.56'
L = 136.28'
E = 4.69'
P.C. = Sta. 2006+38.42
P.T. = Sta. 2007+74.70



Checklist for ROW, DATE, BY, MARKS CHECKED, UNKED, NOTEBOOK NO.

LEGEND table with symbols for SECTION CORNER, QUARTER SECTION CORNER, SECTION LINE, QUARTER SECTION LINE, PLATTED LOT LINE, PROPERTY (DEED) LINE, APPL, APPARENT PROPERTY LINE, CENTER LINE, EXISTING RIGHT OF WAY LINE, PROPOSED RIGHT OF WAY LINE, PROPOSED EASEMENT, MEASURED DIMENSION, COMPUTED DIMENSION, RECORD DATA, EXISTING BUILDING.

Bearings are referenced to the Illinois State Plane Coordinate Grid System, NAD83, East Zone, at Found Geodetic Stations, "Itasca Municipal Park" and "Addison Radio Sta WMBI Mast".

STATE OF ILLINOIS }
COUNTY OF LAKE }SS

THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 8, TOWNSHIP 40N., RANGE 11E., OF THE THIRD PRINCIPAL MERIDIAN, DUPAGE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LAKE VILLA, ILLINOIS THIS 28th DAY OF August 20, 2006.



COORDINATE TABLE

STATION	OFFSET	NORTH	EAST
193+84.89	46.16' Rt.	1,931,961.275	1,071,596.754
193+94.10	17.50' Lt.	1,931,992.597	1,071,652.932
193+94.16	33.01' Rt.	1,931,961.883	1,071,612.831
194+07.67	13.87' Rt.	1,931,962.769	1,071,636.244
194+17.10	50.00' Lt.	1,931,994.049	1,071,692.723
1000+26.70	28.81' Lt.	1,931,879.602	1,071,758.847
1003+77.60	5.55' Rt.	1,931,580.586	1,071,945.646
1003+77.72	27.45' Lt.	1,931,600.613	1,071,971.871
1004+55.92	74.72' Rt.	1,931,472.917	1,071,945.664
1004+73.22	77.49' Rt.	1,931,457.151	1,071,956.925
1005+51.48	62.19' Rt.	1,931,410.503	1,072,030.808

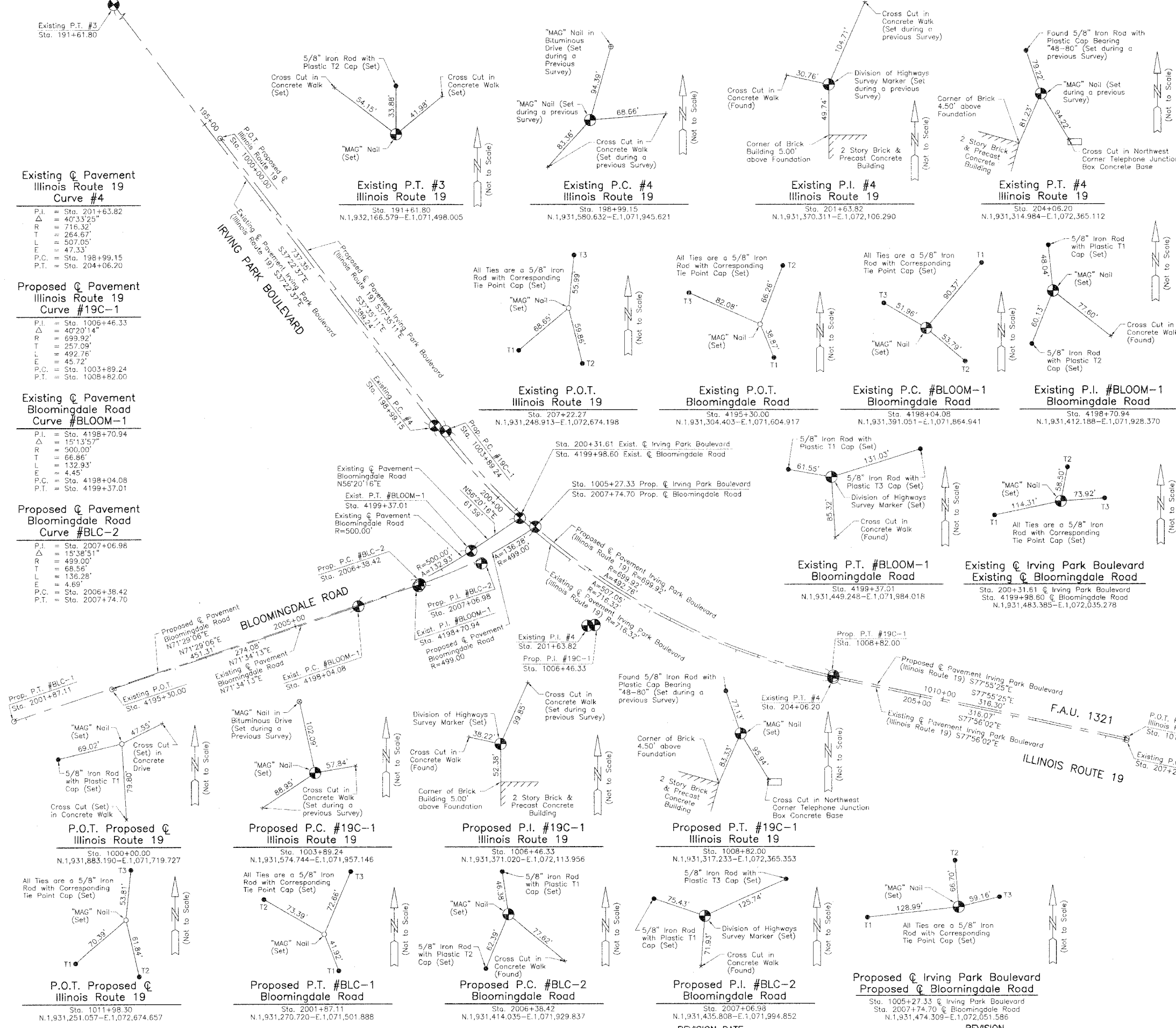
JORGENSEN & ASSOCIATES, INC. 120 PARK AVENUE LAKE VILLA, ILLINOIS 60046 (847) 356-3371

PLAT OF HIGHWAYS STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION F.A.U. 1321 (ILLINOIS ROUTE 19) SECTION 32WRS-4 DUPAGE COUNTY PROJECT STATION 193+00 TO STATION 203+00 STATION 1000+00.00 TO STATION 1008+00 STATION 2001+87.11 TO STATION 2007+74.70 SCALE: 1"=40' SHEET 2 OF 3

BUREAU OF LAND ACQUISITION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196

Table with columns: PARCEL NUMBER, OWNER, TOTAL HOLDINGS ACRES, PART TAKEN ACRES, AREA IN EXISTING R.O.W. ACRES, REMAINDER AREA ACRES, EASEMENT ACRES, EASEMENT AREA SQUARE FEET, EASEMENT PURPOSE, PERMANENT INDEX NUMBER, PROPERTY ACQUIRED BY.

PART OF THE NORTH 1/2 AND PART OF THE SOUTH 1/2 OF SEC. 8, TWP. 40 N., R. 11 E. OF THE 3RD. P.M., IN DUPAGE COUNTY, ILLINOIS.



Existing Pavement Illinois Route 19 Curve #4
P.I. = Sta. 201+63.82
Δ = 40°33'25"
R = 716.32'
T = 264.67'
L = 507.05'
E = 47.33'
P.C. = Sta. 198+99.15
P.T. = Sta. 204+06.20

Proposed Pavement Illinois Route 19 Curve #19C-1
P.I. = Sta. 1006+46.33
Δ = 40°20'14"
R = 699.92'
T = 257.09'
L = 492.76'
E = 45.72'
P.C. = Sta. 1003+89.24
P.T. = Sta. 1008+82.00

Existing Pavement Bloomingdale Road Curve #BLOOM-1
P.I. = Sta. 4198+70.94
Δ = 15°13'57"
R = 500.00'
T = 66.86'
L = 132.93'
E = 4.45'
P.C. = Sta. 4198+04.08
P.T. = Sta. 4199+37.01

Proposed Pavement Bloomingdale Road Curve #BLC-2
P.I. = Sta. 2007+06.98
Δ = 15°38'51"
R = 499.00'
T = 68.56'
L = 136.28'
E = 4.69'
P.C. = Sta. 2006+38.42
P.T. = Sta. 2007+74.70

DATE	BY

P.O.T. Proposed Pavement Illinois Route 19
Sta. 1000+00.00
N.1,931,883.190-E.1,071,719.727

Proposed P.C. #19C-1 Illinois Route 19
Sta. 1003+89.24
N.1,931,574.744-E.1,071,957.146

Proposed P.I. #19C-1 Illinois Route 19
Sta. 1006+46.33
N.1,931,371.020-E.1,072,113.956

Proposed P.T. #19C-1 Illinois Route 19
Sta. 1008+82.00
N.1,931,317.233-E.1,072,365.353

P.O.T. Proposed Pavement Illinois Route 19
Sta. 1011+98.30
N.1,931,251.057-E.1,072,674.657

Proposed P.T. #BLC-1 Bloomingdale Road
Sta. 2001+87.11
N.1,931,270.720-E.1,071,501.888

Proposed P.C. #BLC-2 Bloomingdale Road
Sta. 2006+38.42
N.1,931,414.035-E.1,071,929.837

Proposed P.I. #BLC-2 Bloomingdale Road
Sta. 2007+06.98
N.1,931,435.808-E.1,071,994.852

Proposed Pavement Irving Park Boulevard Proposed Pavement Bloomingdale Road
Sta. 1005+27.33 & Sta. 2007+74.70
N.1,931,474.309-E.1,072,051.586

LEGEND
SECTION CORNER
QUARTER SECTION CORNER
SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE
APL
APPARENT PROPERTY LINE
CENTER LINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
MEASURED DIMENSION
COMPUTED DIMENSION
RECORD DATA
EXISTING BUILDING
Scale: 1"=50'
Bearings are referenced to the Illinois State Plane Coordinate Grid System, NAD83, East Zone, at Found Geodetic Stations, "Itasca Municipal Tank" and "Addison Radio Sta WMBI Mast".

- IRON PIPE OR ROD FOUND
- ⊕ "MAG" NAIL SET
- + CUT CROSS FOUND OR SET
- 5/8" REBAR SET
- T1, T2, T3 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION. SET 5/8 INCH IRON ROD FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- BT1, BT2, BT3 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION. BURIED 5/8 INCH IRON ROD 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- PERMANENT SURVEY MARKER, I.D.O.T STD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.

STATE OF ILLINOIS }
COUNTY OF LAKE }SS
THIS IS TO CERTIFY THAT WE, JORGENSEN & ASSOCIATES, INC., AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER 184-2771, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 8, TOWNSHIP 40N., RANGE 11E., OF THE THIRD PRINCIPAL MERIDIAN, DUPAGE COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY; THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.
DATED AT LAKE VILLA, ILLINOIS THIS 28th DAY OF August 2006 A.D.



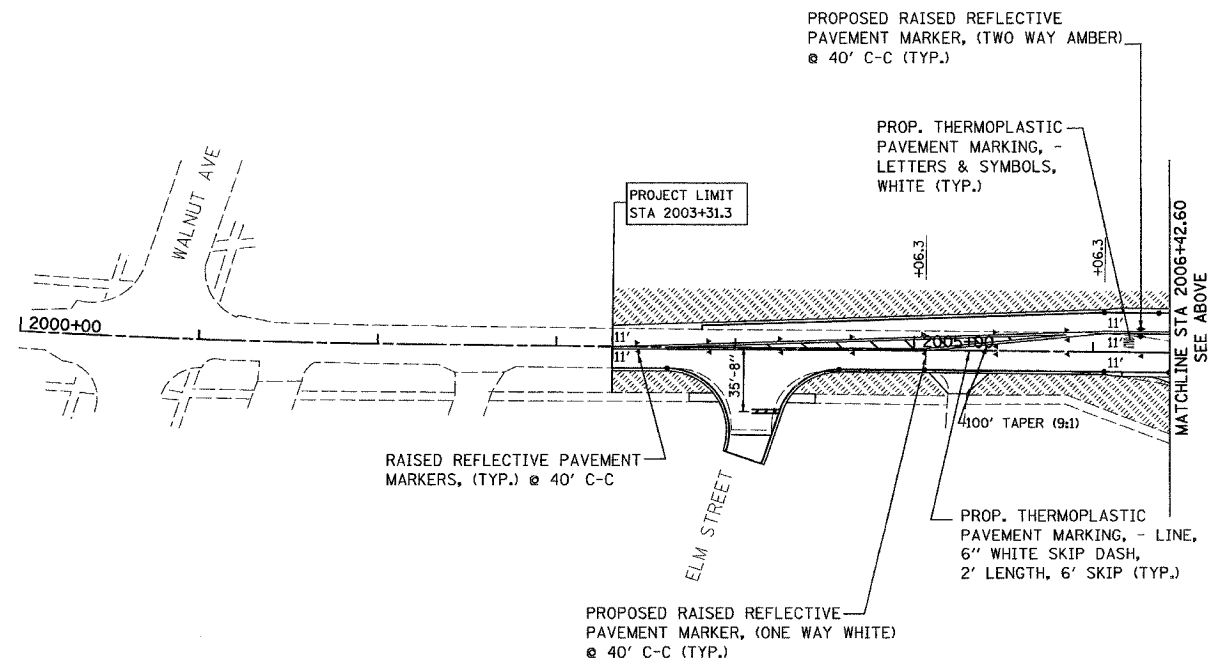
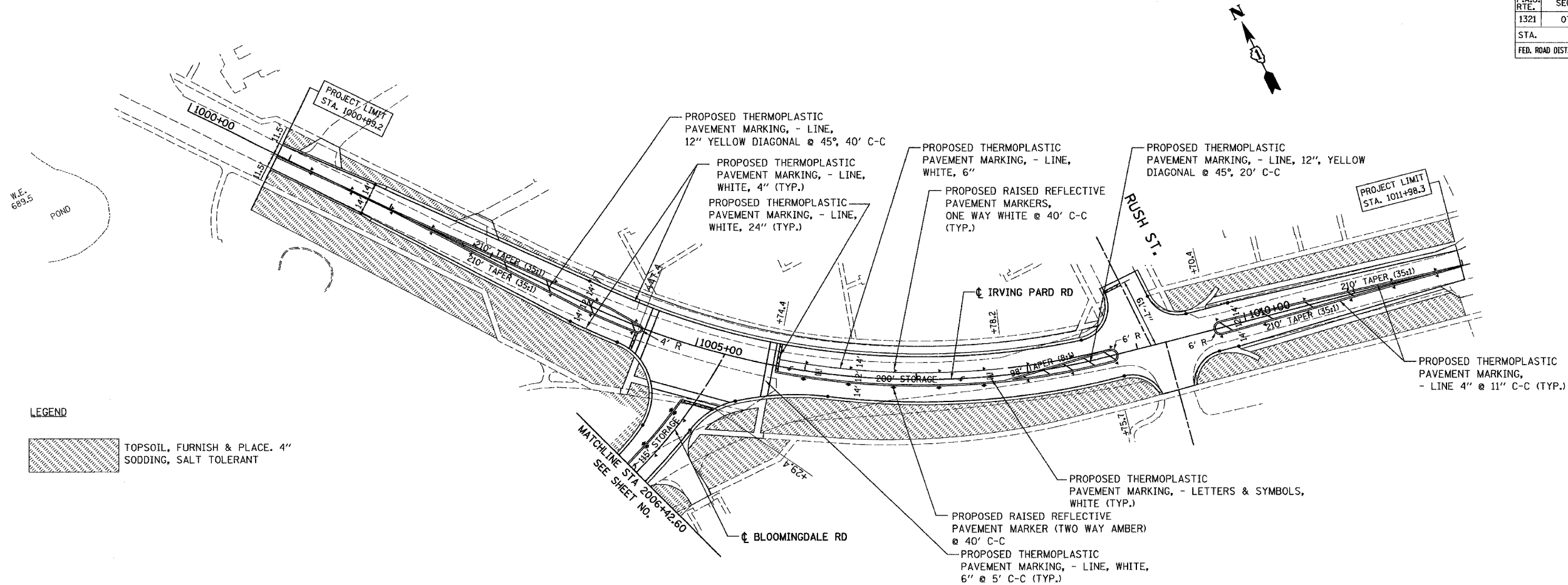
Christian H. Jorgensen, PRESIDENT
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 35-2797
LICENSE EXPIRATION DATE: NOVEMBER 30, 2006
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.
NOTE: SURFACE COORDINATES ARE SHOWN TO OBTAIN GRID COORDINATES MULTIPLY BY A COMBINED SCALE FACTOR OF 0.999954307.

JORGENSEN & ASSOCIATES, INC.
120 PARK AVENUE
LAKE VILLA, ILLINOIS 60046
(847) 356-3371
SHEET 1 IS A COVER SHEET AND IS NOT RECORDED.

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
F.A.U. 1321 (ILLINOIS ROUTE 19)
SECTION 32WRS-4 DuPAGE COUNTY
PROJECT 191+61.80 TO JOB NO. R-91-005-97
STATION 1000+00.00 TO STATION 207+22.27
STATION 2001+87.11 TO STATION 1011+98.30
SCALE: 1"=50' SHEET 3 OF 3

BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711 N-1	DUPAGE	54	22
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.U. ROUTE 1321 (IL. ROUTE 19)

PAVEMENT MARKING AND LANDSCAPING DETAILS

SCALE: 1" = 50'
 DATE 8/31/06

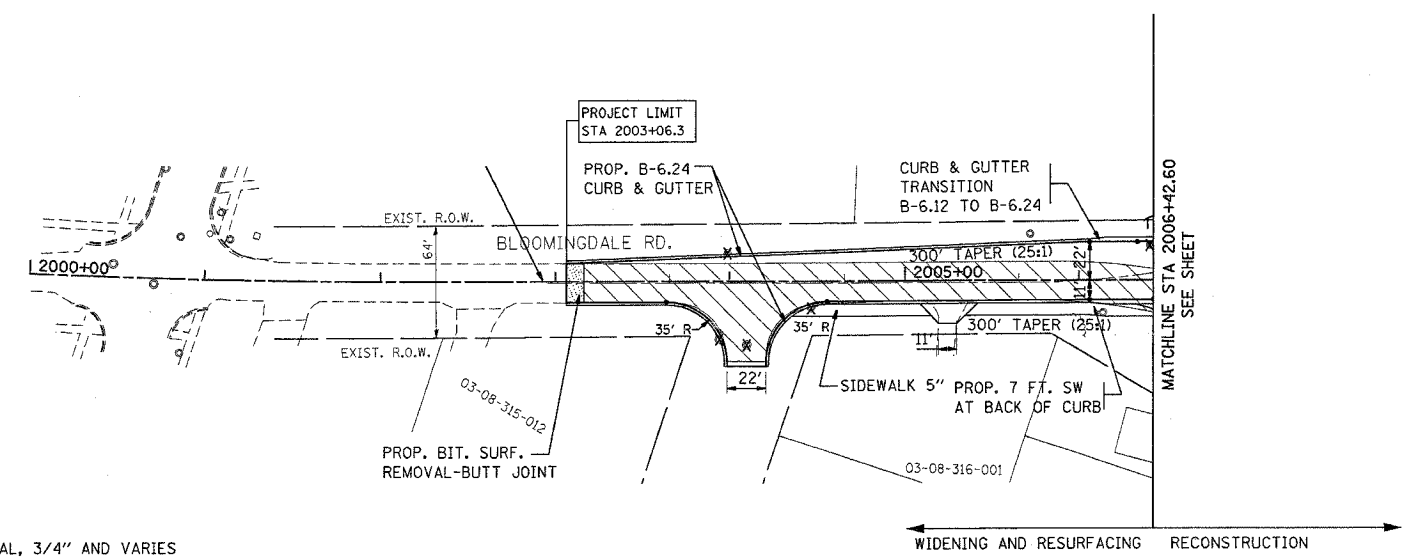
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 CHECKED BY JJP

PLOT DATE = 8/31/06
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 USER NAME = #USER#

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711 N-1	DUPAGE	54	24
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



PLAN	SUBMITTED	DATE
	PLOTTED	
	BY	
	NO. OF REV. CHECKED	
	DATE	
	FILE NAME	

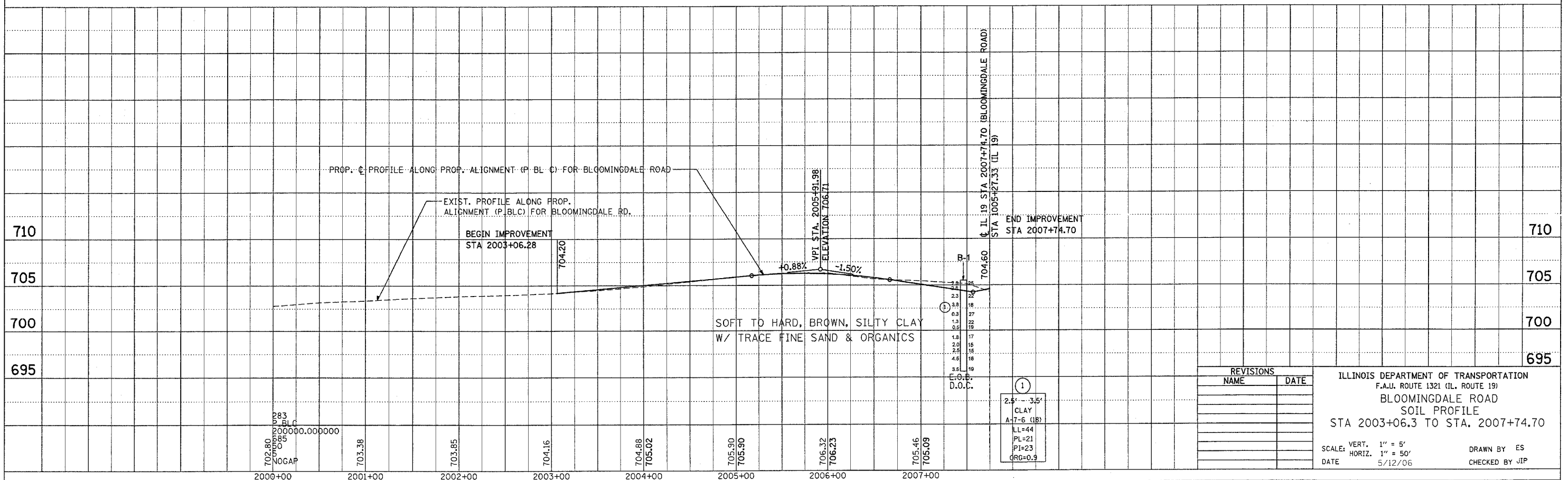


LEGEND:
 PAVEMENT REMOVAL, 3/4" AND VARIES STA 1001+79.2 TO STA 1011+98.3

← WIDENING AND RESURFACING RECONSTRUCTION →

FOR SOIL INFORMATION ONLY

PROFILE	SUBMITTED	DATE
	PLOTTED	
	BY	
	NO. OF REV. CHECKED	
	DATE	
	FILE NAME	



①
 2.5' - 3.5'
 CLAY
 A-7-6 (18)
 LL=44
 PL=21
 PI=23
 CRG=0.9

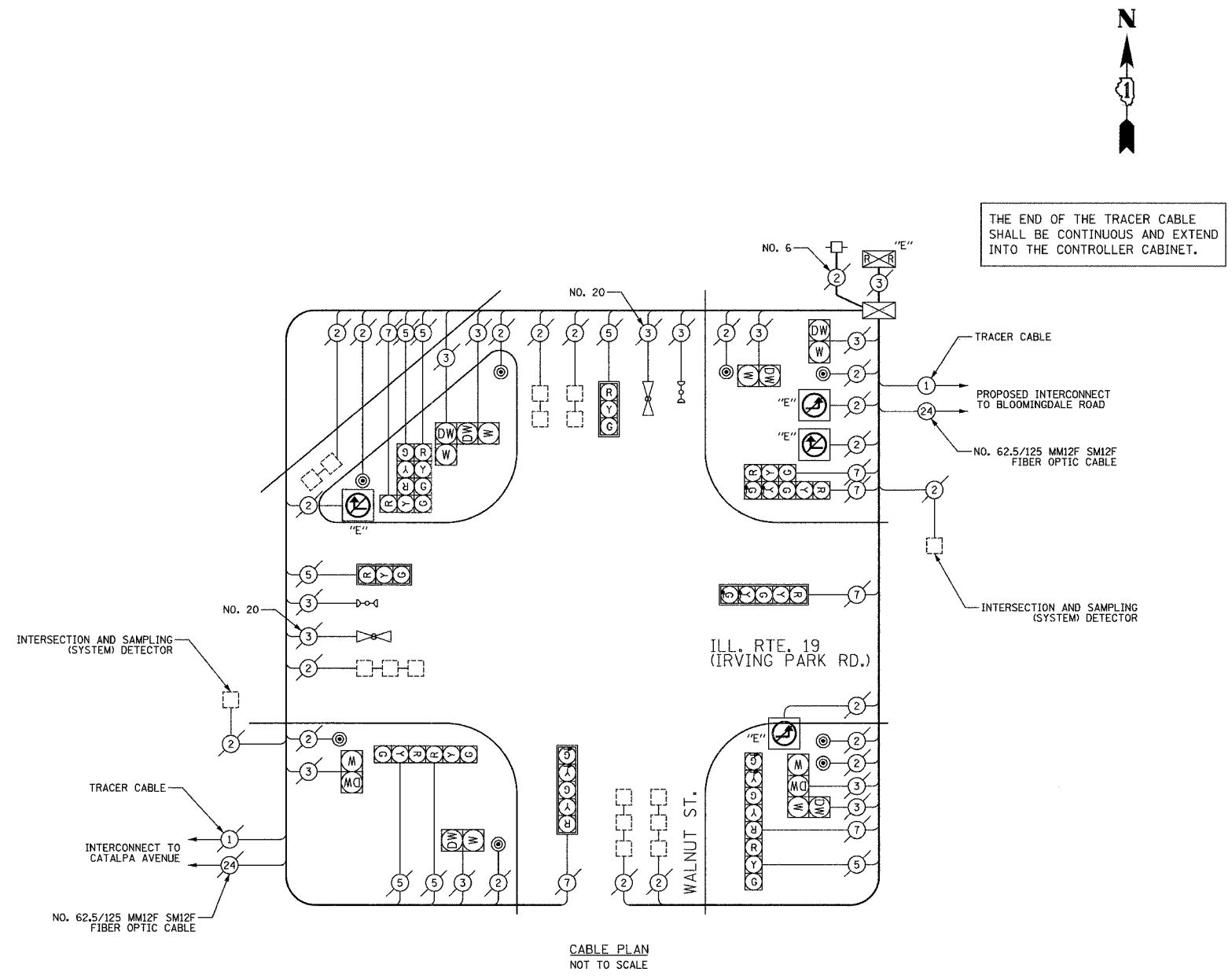
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 F.A.U. ROUTE 1321 (IL. ROUTE 19)
 BLOOMINGDALE ROAD
 SOIL PROFILE
 STA 2003+06.3 TO STA. 2007+74.70
 SCALE: VERT. 1" = 5'
 HORIZ. 1" = 50'
 DATE 5/12/06
 DRAWN BY ES
 CHECKED BY JIP

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711 N-1	DU PAGE	54	25
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				

CABLE PLAN LEGEND

- | | | |
|----------|----------|---|
| EXISTING | PROPOSED | |
| | | 8" (200mm) TRAFFIC SIGNAL SECTION |
| | | 12" (300mm) TRAFFIC SIGNAL SECTION |
| | | 12" (300mm) PEDESTRIAN SIGNAL SECTION |
| | | 12" (300mm) PEDESTRIAN SIGNAL SECTION |
| | | CONTROLLER CABINET |
| | | SERVICE INSTALLATION |
| | | TELEPHONE CONNECTION |
| | | MAGNETIC DETECTOR |
| | | EMERGENCY VEHICLE LIGHT DETECTOR |
| | | CONFIRMATION BEACON |
| | | PUSHBUTTON DETECTOR |
| | | VEHICLE DETECTOR, INDUCTION LOOP |
| | | DENOTES NUMBER OF CONDUCTORS, ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED. |
| | | MICROWAVE VEHICLE SENSOR |
| | | SIGNAL FACE WITH BACKPLATE, "P" INDICATES PROGRAMMED HEAD |
| | | RAILROAD CONTROL CABINET |
| | | ILLUMINATED SIGN "NO LEFT TURN" |
| | | ILLUMINATED SIGN "NO RIGHT TURN" |
| | | GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), OR CONTROLLER (C). |
| | | GROUND ROD AT POST (P), OR MAST ARM POLE (MA). |
| | | GROUND ROD AT ELECTRIC SERVICE INSTALLATION |
| | | GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN) |
| | | FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 2-MMI2F SM12F |



NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	LED	OPERATION	
SIGNAL (RED)	13	135		0.50	878
(YELLOW)	13	135		0.25	439
(GREEN)	13	135		0.25	439
ARROW	8	135		0.10	108
PED. SIGNAL	8	90		1.00	720
CONTROLLER	1	100		1.00	100
ILLUM. SIGN	4	84		0.05	17
FLASHER				0.50	
TOTAL =					2701

ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, IL 60196-1096
CONTACT: BOB BEATTY
PHONE: 630-691-4721
COMPANY: COM ED

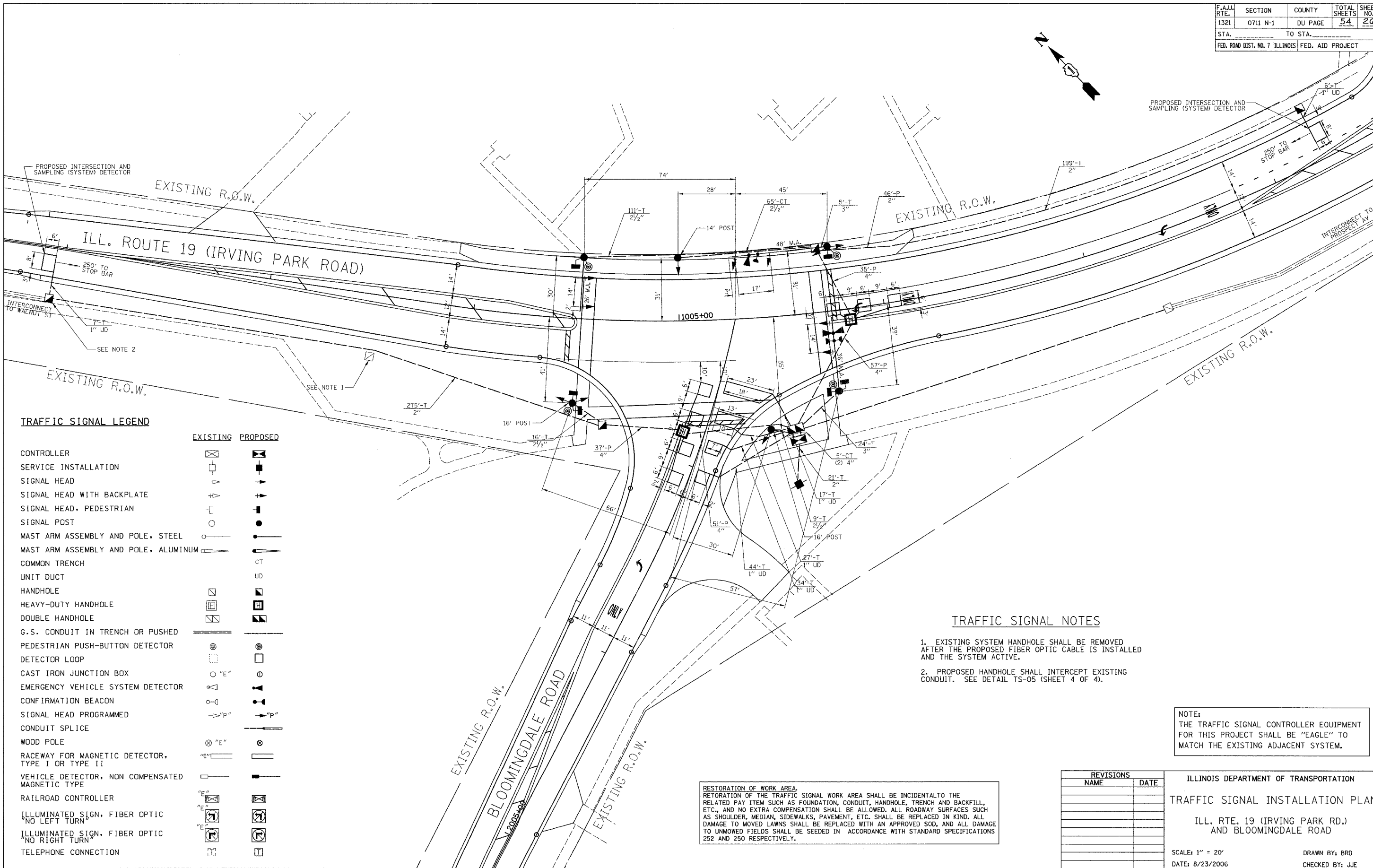
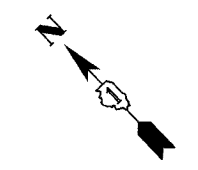
ENERGY SUPPLY:

FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL	FT. (m)
TYPE A - POST	4 (1.2)	HANDHOLE	6.5 (2.0)	ALL FOUNDATIONS	3.5 (2.0)
D- CONTROLLER	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	MAST ARM (L) POLE	20'-H-2' (6m+L-0.6m)=
E- M. ARM POLE		SIGNAL POST	2 (1.0)	BRACKET MOUNTED	13 (4.0)
		24" (600mm)	10 (3.0)	PED. PUSHBUTTON	4 (1.2)
		30" (750mm)	15 (4.6)	ELECTRIC SERVICE	13.5 (4.1)
		36" (900mm)	15 (4.6)	SERVICE TO GROUND	13.5 (4.1)
		CONTROLLER CAB.	1 (0.5)	POST MOUNTED	6 (1.8)
		FIBER OPTIC	13 (4.0)		
		ELECTRIC SERVICE	1 (0.5)		
		GROUND CABLE	1 (0.5)		

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		CABLE PLAN
		ILL. RTE. 19 (IRVING PARK RD.) & WALNUT STREET
		SCALE: NOT TO SCALE
		DATE: 8/23/2006
		DRAWN BY: BRD
		CHECKED BY: JJE

PLOT DATE = #DATE#
FILE NAME = #FILE#
PLOT SCALE = #SCALE#
REFERENCE = #REF#

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711 N-1	DU PAGE	54	26
STA.		TO STA.		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				



TRAFFIC SIGNAL LEGEND

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

TRAFFIC SIGNAL NOTES

- EXISTING SYSTEM HANDHOLE SHALL BE REMOVED AFTER THE PROPOSED FIBER OPTIC CABLE IS INSTALLED AND THE SYSTEM ACTIVE.
- PROPOSED HANDHOLE SHALL INTERCEPT EXISTING CONDUIT. SEE DETAIL TS-05 (SHEET 4 OF 4).

NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

RESTORATION OF WORK AREA.
RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDER, MEDIAN, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOVED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

REVISIONS	
NAME	DATE

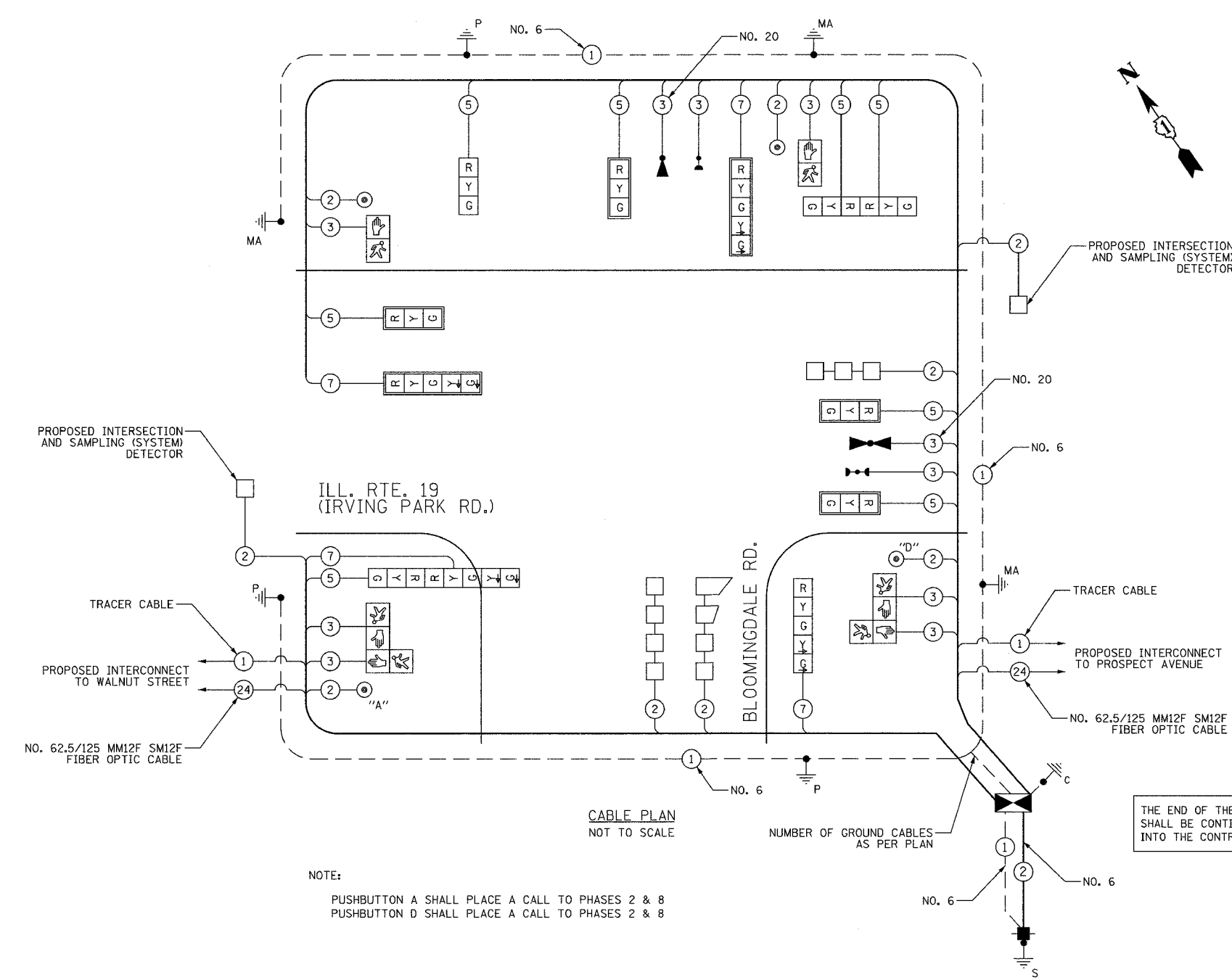
ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL INSTALLATION PLAN
ILL. RTE. 19 (IRVING PARK RD.)
AND BLOOMINGDALE ROAD
SCALE: 1" = 20'
DATE: 8/23/2006
DRAWN BY: BRD
CHECKED BY: JJE

PLOT DATE = #DATE#
PLOT SCALE = #SCALE#
REFERENCE = #REF#

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711 N-1	DU PAGE	54	27
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				

CABLE PLAN LEGEND

- | | | |
|----------|----------|---|
| EXISTING | PROPOSED | |
| | | 8" (200mm) TRAFFIC SIGNAL SECTION |
| | | 12" (300mm) TRAFFIC SIGNAL SECTION |
| | | 12" (300mm) PEDESTRIAN SIGNAL SECTION |
| | | 12" (300mm) PEDESTRIAN SIGNAL SECTION |
| | | CONTROLLER CABINET |
| | | SERVICE INSTALLATION |
| | | TELEPHONE CONNECTION |
| | | MAGNETIC DETECTOR |
| | | EMERGENCY VEHICLE LIGHT DETECTOR |
| | | CONFIRMATION BEACON |
| | | PUSHBUTTON DETECTOR |
| | | VEHICLE DETECTOR, INDUCTION LOOP |
| | | DENOTES NUMBER OF CONDUCTORS, ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED. |
| | | MICROWAVE VEHICLE SENSOR |
| | | SIGNAL FACE WITH BACKPLATE, "P" INDICATES PROGRAMMED HEAD |
| | | RAILROAD CONTROL CABINET |
| | | ILLUMINATED SIGN "NO LEFT TURN" |
| | | ILLUMINATED SIGN "NO RIGHT TURN" |
| | | GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), OR CONTROLLER (C). |
| | | GROUND ROD AT POST (P), OR MAST ARM POLE (MA). |
| | | GROUND ROD AT ELECTRIC SERVICE INSTALLATION |
| | | GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN) |
| | | FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 2-MM12F SM12F |



NOTE:
 PUSHBUTTON A SHALL PLACE A CALL TO PHASES 2 & 8
 PUSHBUTTON D SHALL PLACE A CALL TO PHASES 2 & 8

THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET.

NOTE:
 THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	LED	% OPERATION	
SIGNAL (RED)	12	17		0.50	102
(YELLOW)	12		25	0.25	75
(GREEN)	12		15	0.25	45
ARROW	8		12	0.10	10
PED. SIGNAL	6		25	1.00	150
CONTROLLER	1		100	1.00	100
FLASHER				0.50	
TOTAL =					482

ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION
 201 WEST CENTER COURT
 SCHAUMBURG, IL 60196-1096
 CONTACT: BOB BEATTY
 PHONE: 630-691-4721
 COMPANY: COM ED

FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL	FT. (m)
TYPE A - POST	4 (1.2)	HANDHOLE	6.5 (2.0)	ALL FOUNDATIONS	3.5 (2.0)
D- CONTROLLER	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	MAST ARM (L) POLE	20'+L-2'
E- M. ARM POLE		SIGNAL POST	2 (1.0)		(6m+L-0.6m)=
24" (600mm)	10 (3.0)	CONTROLLER CAB.	1 (0.5)	BRACKET MOUNTED	13 (4.0)
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	PED. PUSHBUTTON	4 (1.2)
36" (900mm)	15 (4.6)	ELECTRIC SERVICE	1 (0.5)	ELECTRIC SERVICE	13.5 (4.1)
		GROUND CABLE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)
				POST MOUNTED	6 (1.8)

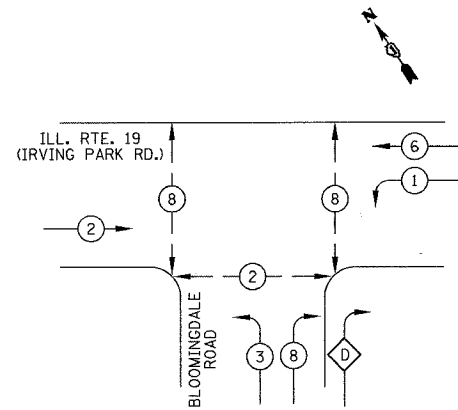
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CABLE PLAN
 ILL. RTE. 19 (IRVING PARK RD.) & BLOOMINGDALE ROAD
 SCALE: NOT TO SCALE
 DATE: 8/23/2006
 DRAWN BY: BRD
 CHECKED BY: JJE

PLOT DATE = #DATE#
 FILE NAME = #FILE#
 PLOT SCALE = #SCALE#
 REFERENCE = #REF#

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711 N-1	DU PAGE	54	28
STA. _____		TO STA. _____		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				

CONTROLLER SEQUENCE



LEGEND

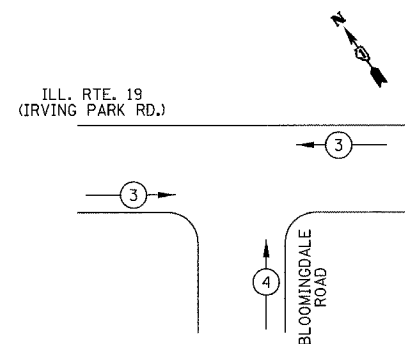
- DUAL ENTRY PHASE
- SINGLE ENTRY PHASE
- OVERLAP
- PEDESTRIAN PHASE
- NUMBER REFERS TO ASSOCIATED PHASE

PHASE DESIGNATION DIAGRAM

RIGHT TURN OVERLAP PHASE DESIGNATION

OVERLAP LETTER	PERMISSIVE PHASE	PROTECTED PHASE
D	= 8	+ 1

EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT		

SCHEDULE OF QUANTITIES

PAY ITEM	UNIT	QUANTITY
SIGN PANEL - TYPE 2	SQ FT	43
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	495
CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	201
CONDUIT IN TRENCH, 3" DIA., GALVANIZED STEEL	FOOT	29
CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	10
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	46
CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	180
HANDHOLE	EACH	4
HEAVY-DUTY HANDHOLE	EACH	2
DOUBLE HANDHOLE	EACH	1
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	706
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
TRANSCEIVER - FIBER OPTIC	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	595
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1140
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1331
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	582
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	973
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	40
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 14 FT.	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL, 16 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 26 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	12
CONCRETE FOUNDATION, TYPE D	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	30
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	15
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	6
INDUCTIVE LOOP DETECTOR	EACH	5
DETECTOR LOOP, TYPE I	FOOT	437
* LIGHT DETECTOR	EACH	2
* LIGHT DETECTOR AMPLIFIER	EACH	1
PEDESTRIAN PUSH-BUTTON	EACH	4
REMOVE EXISTING HANDHOLE	EACH	1
SERVICE INSTALLATION, POLE MOUNT	EACH	1
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	523
* ELECTRIC CABLE IN CONDUIT, NO. 20 3C, TWISTED, SHIELDED	FOOT	304
SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4
SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	2
SIGNAL HEAD, L.E.D., 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, L.E.D., 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	1
PEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE, BRACKET MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, L.E.D., 2-FACE, BRACKET MOUNTED	EACH	2

* 100% COST TO VILLAGE OF ITASCA

NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

REVISIONS	
NAME	DATE

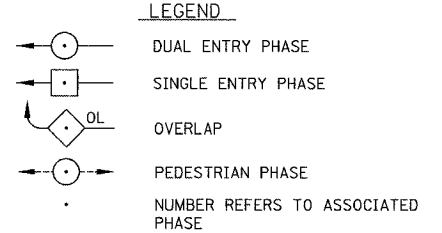
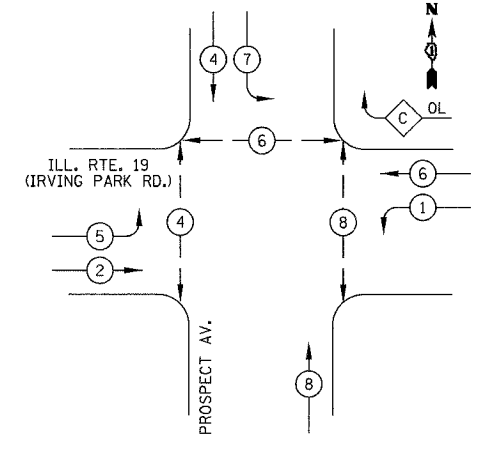
ILLINOIS DEPARTMENT OF TRANSPORTATION
EMERGENCY VEHICLE PREEMPTION SEQUENCE,
PHASE DESIGNATION DIAGRAM &
SCHEDULE OF QUANTITIES
ILL. RTE. 19 (IRVING PARK RD.)
& BLOOMINGDALE ROAD
SCALE: NOT TO SCALE DRAWN BY: BRD
DATE: 8/23/2006 CHECKED BY: JJE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711 N-1	DU PAGE	54	29
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		

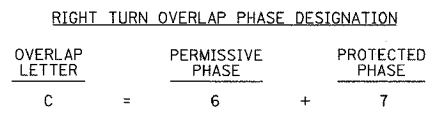
CABLE PLAN LEGEND

- EXISTING PROPOSED
- 8" (200mm) TRAFFIC SIGNAL SECTION
- 12" (300mm) TRAFFIC SIGNAL SECTION
- 12" (300mm) PEDESTRIAN SIGNAL SECTION
- 12" (300mm) PEDESTRIAN SIGNAL SECTION
- CONTROLLER CABINET
- SERVICE INSTALLATION
- TELEPHONE CONNECTION
- MAGNETIC DETECTOR
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- PUSHBUTTON DETECTOR
- VEHICLE DETECTOR, INDUCTION LOOP
- DENOTES NUMBER OF CONDUCTORS, ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
- MICROWAVE VEHICLE SENSOR
- SIGNAL FACE WITH BACKPLATE, "P" INDICATES PROGRAMMED HEAD
- RAILROAD CONTROL CABINET
- ILLUMINATED SIGN "NO LEFT TURN"
- ILLUMINATED SIGN "NO RIGHT TURN"
- GROUND ROD AT HANDHOLE (H), DOUBLE HANDHOLE (H), OR CONTROLLER (C).
- GROUND ROD AT POST (P), OR MAST ARM POLE (MA).
- GROUND ROD AT ELECTRIC SERVICE INSTALLATION
- GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)
- FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 2-MM12F SM12F

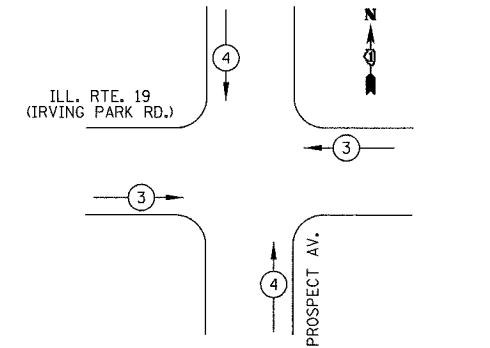
EXISTING AND PROPOSED CONTROLLER SEQUENCE



PHASE DESIGNATION DIAGRAM



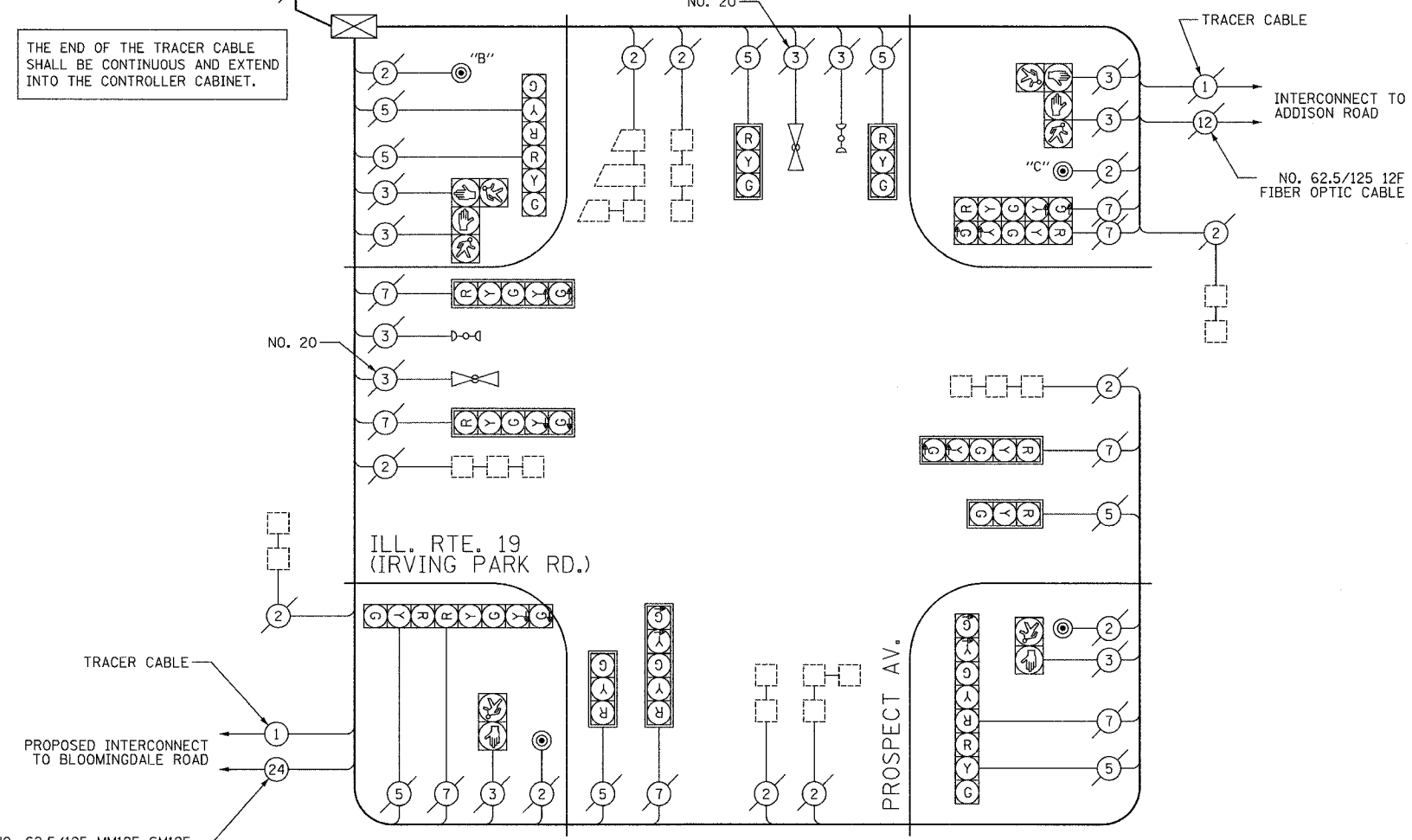
EXISTING AND PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS

EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	← →	↑ ↓

THE END OF THE TRACER CABLE SHALL BE CONTINUOUS AND EXTEND INTO THE CONTROLLER CABINET.



CABLE PLAN NOT TO SCALE

NOTE:
 PUSHBUTTON B SHALL PLACE A CALL TO PHASES 4 & 6
 PUSHBUTTON C SHALL PLACE A CALL TO PHASES 6 & 8

NOTE:
 THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. LAMPS	WATTAGE INCAND.	LED	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	16	135		0.50	1080
(YELLOW)	16	135		0.25	540
(GREEN)	16	135		0.25	540
ARROW	16	135		0.10	216
PED. SIGNAL	6	90		1.00	540
CONTROLLER	1	100		1.00	100
FLASHER				0.50	
TOTAL =					3016

ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION
 201 WEST CENTER COURT
 SCHAMBURG, IL 60196-1096
 CONTACT: BOB BEATTY
 PHONE: 630-691-4721
 COMPANY: COM ED

FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL	FT. (m)
TYPE A - POST	4 (1.2)	HANDHOLE	6.5 (2.0)	ALL FOUNDATIONS	3.5 (2.0)
D- CONTROLLER	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	MAST ARM (L) POLE	20'+L-2=
E- M. ARM POLE		SIGNAL POST	2 (1.0)	6m+L-0.6m)=	
24" (600mm)	10 (3.0)	CONTROLLER CAB.	1 (0.5)	BRACKET MOUNTED	13 (4.0)
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	PED. PUSHBUTTON	4 (1.2)
36" (900mm)	15 (4.6)	ELECTRIC SERVICE	1 (0.5)	ELECTRIC SERVICE	13.5 (4.1)
		GROUND CABLE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)
				POST MOUNTED	6 (1.8)

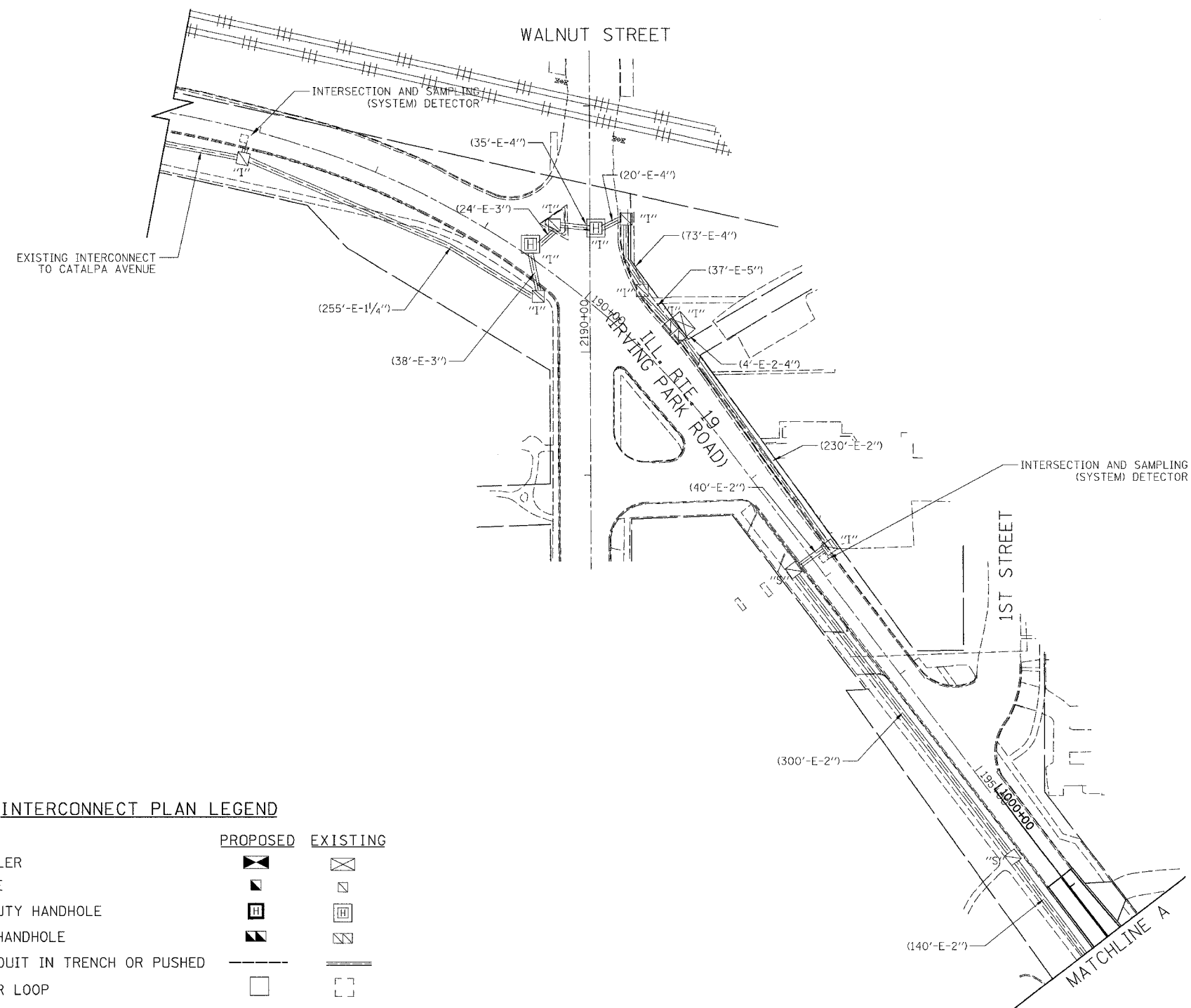
REVISIONS

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
CABLE PLAN
 ILL. RTE. 19 (IRVING PARK RD.) & PROSPECT AVENUE
 SCALE: NOT TO SCALE
 DATE: 8/23/2006
 DRAWN BY: BRD
 CHECKED BY: JJE

PLOT DATE = #DATE#
 FILE NAME = #FILE#
 PLOT SCALE = #SCALE#
 REFERENCE = #REF#

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711 N-1	DU PAGE	54	30
STA.		TO STA.		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				



INTERCONNECT PLAN LEGEND

	PROPOSED	EXISTING
CONTROLLER		
HANDHOLE		
HEAVY DUTY HANDHOLE		
DOUBLE HANDHOLE		
G.S. CONDUIT IN TRENCH OR PUSHED		
DETECTOR LOOP		
SYSTEM	S	S
INTERSECTION	IP	I
UNIT DUCT	UD	
COMMON TRENCH	CT	

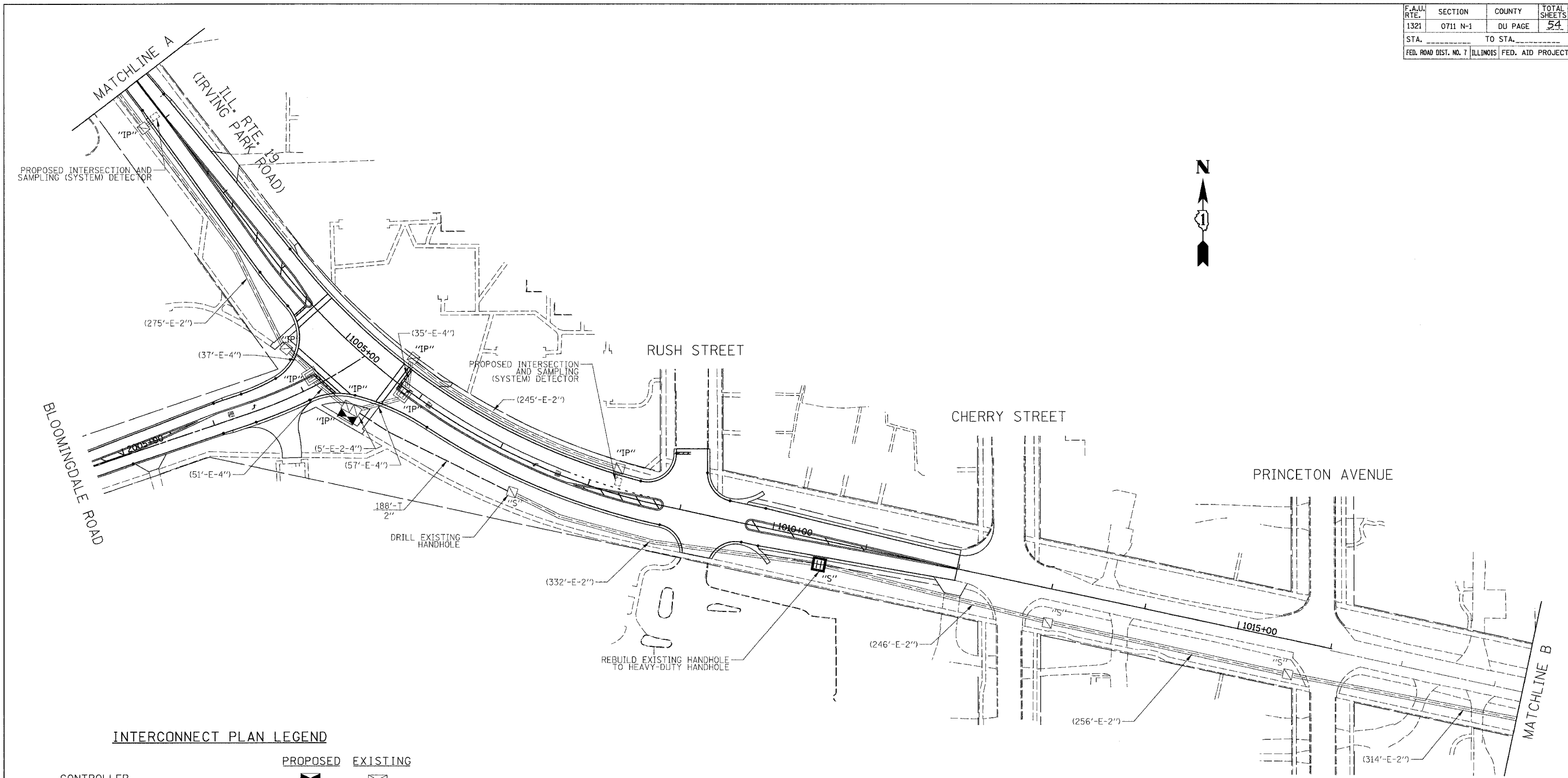
NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERCONNECT PLAN
 ILL. RTE. 19 (IRVING PARK RD.)
 WALNUT ST. TO PROSPECT AV.
 SHEET 1 OF 3
 SCALE: 1" = 50'
 DATE: 8/23/2006
 DRAWN BY: BRD
 CHECKED BY: JJE

PLOT DATE = #DATE#
 FILE NAME = #FILE#
 PLOT SCALE = #SCALE#
 REFERENCE = #REF#

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711 N-1	DU PAGE	54	31
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		



INTERCONNECT PLAN LEGEND

	PROPOSED	EXISTING
CONTROLLER		
HANDHOLE		
HEAVY DUTY HANDHOLE		
DOUBLE HANDHOLE		
G.S. CONDUIT IN TRENCH OR PUSHED		
DETECTOR LOOP		
SYSTEM	S	S
INTERSECTION	IP	I
UNIT DUCT	UD	
COMMON TRENCH	CT	

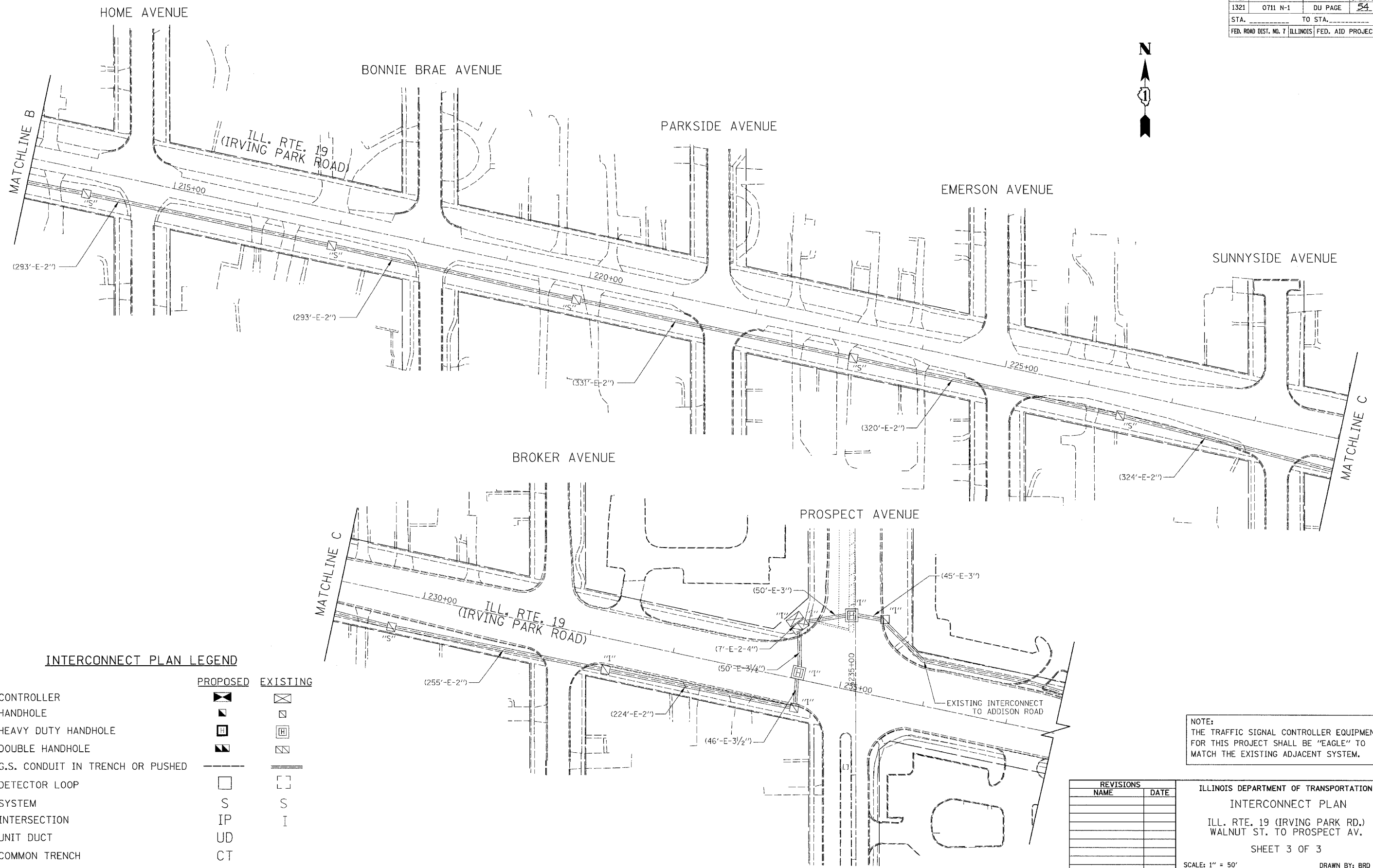
NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERCONNECT PLAN
 ILL. RTE. 19 (IRVING PARK RD.)
 WALNUT ST. TO PROSPECT AV.
 SHEET 2 OF 3
 SCALE: 1" = 50'
 DATE: 8/23/2006
 DRAWN BY: BRD
 CHECKED BY: JUE

PLOT DATE * DATE *
 PLOT SCALE * SCALE *
 REFERENCE * REF *

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711 N-1	DU PAGE	54	32
STA.		TO STA.		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				



INTERCONNECT PLAN LEGEND

	PROPOSED	EXISTING
CONTROLLER		
HANDHOLE		
HEAVY DUTY HANDHOLE		
DOUBLE HANDHOLE		
G.S. CONDUIT IN TRENCH OR PUSHED		
DETECTOR LOOP		
SYSTEM	S	S
INTERSECTION	IP	I
UNIT DUCT	UD	
COMMON TRENCH	CT	

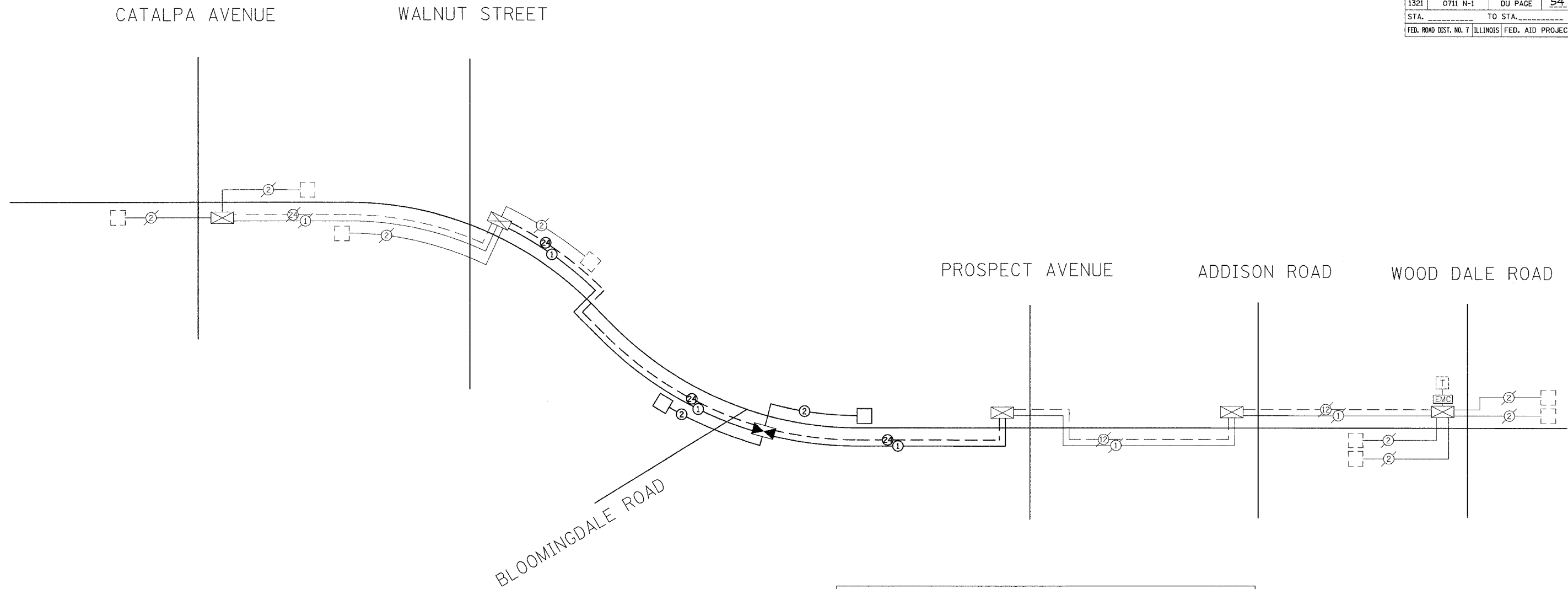
NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERCONNECT PLAN
 ILL. RTE. 19 (IRVING PARK RD.)
 WALNUT ST. TO PROSPECT AV.
 SHEET 3 OF 3
 SCALE: 1" = 50'
 DATE: 8/23/2006
 DRAWN BY: BRD
 CHECKED BY: JJE

PLOT DATE = #DATE#
 FILE NAME = #FILE#
 PLOT SCALE = #SCALE#
 REFERENCE = #REF#

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711 N-1	DU PAGE	54	33
STA.		TO STA.		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				



INTERCONNECT SCHEMATIC LEGEND

EXISTING INTERSECTION CONTROLLER		EXISTING SAMPLING (SYSTEM) PREFORMED DETECTORS	
PROPOSED INTERSECTION CONTROLLER		PROPOSED SAMPLING (SYSTEM) PREFORMED DETECTORS	
EXISTING MASTER CONTROLLER		EXISTING FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	
PROPOSED MASTER CONTROLLER		PROPOSED FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	
MASTER MASTER CONTROLLER		EXISTING INTERCONNECT CABLE - NO. 62.5/125 12F FIBER OPTIC CABLE	
EXISTING INTERSECTION & SAMPLING (SYSTEM) DETECTORS		PROPOSED INTERCONNECT CABLE - NO. 62.5/125 12F FIBER OPTIC CABLE	
PROPOSED INTERSECTION & SAMPLING (SYSTEM) DETECTORS		EXISTING INTERCONNECT CABLE - NO. 18 3 PAIR TWISTED, SHIELDED	
EXISTING INTERSECTION LOOP DETECTORS PROPOSED SAMPLING (SYSTEM) DETECTORS		PROPOSED INTERCONNECT CABLE - NO. 18 3 PAIR TWISTED, SHIELDED	
EXISTING SAMPLING (SYSTEM) DETECTORS		EXISTING LOOP DETECTOR CABLE 2/C TWISTED, SHIELDED	
PROPOSED SAMPLING (SYSTEM) DETECTORS		PROPOSED LOOP DETECTOR CABLE 2/C TWISTED, SHIELDED	
EXISTING SAMPLING (SYSTEM) DETECTORS, PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTORS.		EXISTING ELECTRIC CABLE, 1/C (AS SPECIFIED)	
EXISTING SAMPLING (SYSTEM) DETECTORS, PROPOSED SAMPLING (SYSTEM) DETECTORS.		PROPOSED ELECTRIC CABLE, 1/C (AS SPECIFIED)	
EXISTING PREFORMED INTERSECTION & SAMPLING (SYSTEM) DETECTORS		EXISTING TELEPHONE CONNECTION	
PROPOSED PREFORMED INTERSECTION & SAMPLING (SYSTEM) DETECTORS		PROPOSED TELEPHONE CONNECTION	

PAY ITEM	UNIT	QUANTITY
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	188
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	188
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2
DRILL EXISTING HANDHOLE	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	9247
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	4780
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	4828
REBUILD EXISTING HANDHOLE TO HEAVY-DUTY HANDHOLE	EACH	1
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM	L SUM	1

NOTE:
THE TRAFFIC SIGNAL CONTROLLER EQUIPMENT FOR THIS PROJECT SHALL BE "EAGLE" TO MATCH THE EXISTING ADJACENT SYSTEM.

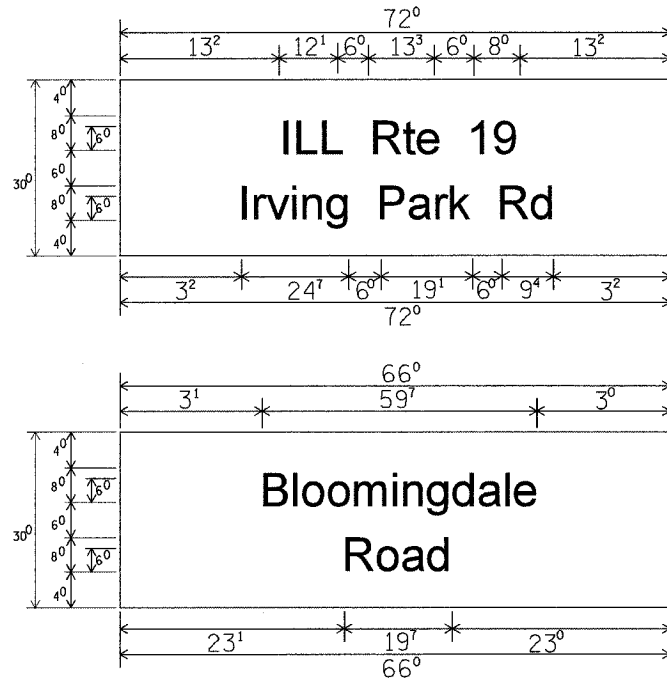
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
INTERCONNECT SCHEMATIC AND SCHEDULE OF QUANTITIES
 ILL. RTE. 19 (IRVING PARK RD.)
 CATALPA AV. TO WOOD DALE RD.
 SCALE: NOT TO SCALE
 DATE: 8/23/2006
 DRAWN BY: BRD
 CHECKED BY: JJE

PLOT DATE = #DATE#
 FILE NAME = #FILE#
 PLOT SCALE = #SCALE#
 REFERENCE = #REF#

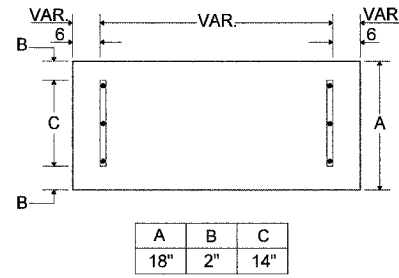
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711 N-1	DU PAGE	54	34
STA.	TO STA.			
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				

PANEL SIGN DESIGN TYPE 2



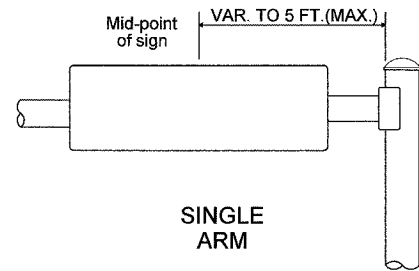
NOTE: SIGN DIMENSIONS ARE IN ENGLISH UNITS.

SUPPORTING CHANNELS



Sq. M Each
15.0 Sq. Ft. Each
1 Required
Design Series C.

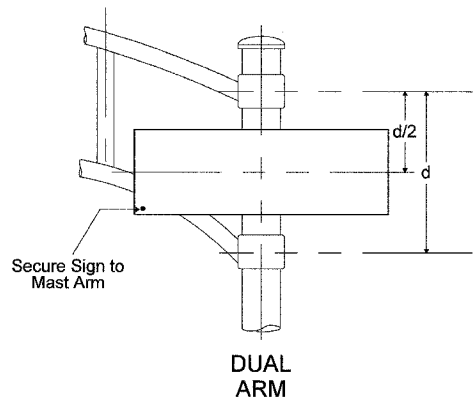
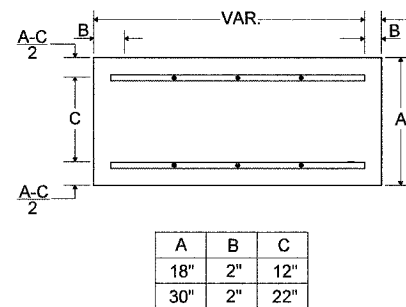
Sq. M Each
13.75 Sq. Ft. Each
2 Required
Design Series C.



SINGLE ARM

SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM shall be used. See Note #5.

SUPPORTING CHANNELS



DUAL ARM

GENERAL NOTES

- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 834001, 834006 AND 834011, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" X 6'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
- ALL SIGNS SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND, TYPE A SHEETING.
- THE SIGN LENGTH SHOULD BE INCREASED IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHOULD NOT EXCEED 6'-0".
- ALL BORDERS SHALL BE 3/4" WIDE AND CORNER RADIUS SHALL BE 2-1/4".
- SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS. LOCAL SUPPLIERS OF THE SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM ARE:

- *A.K.T. CORPORATION SCHAUMBURG, IL
- *TUCKER COMPANY, INC. WAUWATOSA, WI
- *AMERICAN FABRICATION CO. CHICAGO HEIGHTS, IL
- *WESTERN TRAFFIC CONTROL, INC. CICERO, IL

- PARTS LISTING:
- SIGN CHANNEL PART #HPN053 (MED. CHANNEL)
 - SIGN SCREWS 1/4" x 14 x 1" H.W.H #3
 - BRACKETS PART #HPN034 (UNIVERSAL)
 - CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BACKET OF THE ABOVE PRODUCT.

UPPER TO LOWER CASE SPACING CHART 8-6 INCH SERIES "C & D"

EXAMPLE, 2³ DENOTES 3/8"

SERIES	SECOND LETTER															
	a c d e		b h i k		f w		j		s t		v y		x		z	
	g	o	q	l	m	n	p	r	u							
A W X	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ²	1 ⁴	0 ⁶	1 ⁰	1 ¹	1 ⁴	0 ⁶	1 ⁰	1 ¹	1 ²	1 ²	1 ⁴
B	1 ⁴	1 ⁵	2 ⁰	2 ¹	1 ⁴	1 ⁵	1 ¹	1 ²	1 ⁴	1 ⁵	1 ²	1 ⁴	1 ²	1 ⁴	1 ⁶	1 ⁷
C E G	1 ⁴	1 ⁵	2 ⁰	2 ¹	1 ²	1 ⁴	0 ⁶	1 ⁰	1 ²	1 ⁴	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ⁴	1 ⁵
D O Q R	1 ⁴	1 ⁵	2 ⁰	2 ¹	1 ⁴	1 ⁵	0 ⁶	1 ⁰	1 ²	1 ⁴	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ⁴	1 ⁵
F	0 ⁵	0 ⁶	1 ⁴	1 ⁵	0 ⁶	1 ⁰	0 ⁵	0 ⁶	0 ⁶	1 ⁰	0 ⁶	1 ⁰	0 ⁶	1 ⁰	1 ¹	1 ²
H I M N	2 ⁰	2 ¹	2 ²	2 ⁴	2 ⁰	2 ¹	1 ⁴	1 ⁵	1 ⁶	1 ⁷	1 ⁶	1 ⁷	2 ⁰	2 ¹	2 ⁰	2 ¹
J U	2 ⁰	2 ¹	2 ⁰	2 ¹	1 ⁶	1 ⁷	1 ⁴	1 ⁵	1 ⁶	1 ⁷	1 ⁶	1 ⁷	1 ⁶	1 ⁷	2 ⁰	2 ¹
K L	1 ¹	1 ²	1 ⁶	1 ⁷	1 ¹	1 ²	0 ⁵	0 ⁶	1 ¹	1 ²	1 ¹	1 ²	1 ¹	1 ²	1 ²	1 ⁴
P	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ²	1 ⁴	0 ⁵	0 ⁶	1 ¹	1 ²	1 ¹	1 ²	1 ²	1 ⁴	1 ²	1 ⁴
S	1 ²	1 ⁴	1 ⁶	1 ⁷	1 ²	1 ⁴	0 ⁵	0 ⁶	1 ¹	1 ²	1 ⁴	1 ²	1 ⁴	1 ²	1 ⁴	1 ²
T	1 ¹	1 ²	1 ⁶	1 ⁷	0 ⁶	1 ⁰	0 ⁶	1 ⁰	1 ¹	1 ²	1 ¹	1 ²	1 ¹	1 ²	1 ²	1 ⁴
V	0 ⁶	1 ⁰	1 ⁴	1 ⁵	1 ¹	1 ²	0 ⁵	0 ⁶	1 ¹	1 ²	1 ⁴	1 ²	1 ⁴	1 ²	1 ⁴	1 ²
Y	0 ⁵	0 ⁶	1 ⁴	1 ⁵	0 ⁶	1 ⁰	0 ⁵	0 ⁶	0 ⁵	0 ⁷	0 ⁵	0 ⁶	0 ⁶	1 ⁰	1 ¹	1 ²
Z	1 ⁶	1 ⁷	2 ²	2 ⁴	1 ⁶	1 ⁷	1 ²	1 ⁴	1 ⁶	1 ⁷	1 ⁶	1 ⁷	1 ⁶	1 ⁷	2 ⁰	2 ¹

LOWER CASE TO LOWER CASE SPACING CHART 6 INCH SERIES "C" & "D"

SERIES	SECOND LETTER															
	a c d e		b h i k		f w		j		s t		v y		x		z	
	g	o	q	l	m	n	p	r	u							
F																
I																
R																
S																
T																
E																
R																

NUMBER TO NUMBER SPACING CHART 8 INCH SERIES "C" & "D"

SERIES	SECOND NUMBER																			
	0		1		2		3		4		5		6		7		8		9	
F																				
I																				
R																				
S																				
T																				
E																				
R																				

UPPER AND LOWER CASE LETTER WIDTHS

LETTERS	6 INCH UPPER CASE LETTERS		8 INCH UPPER CASE LETTERS		LETTERS	6 INCH LOWER CASE LETTERS	
	C	D	C	D		C	D
A	3 ⁶	5 ⁰	5 ⁰	6 ⁵	a	3 ⁵	4 ²
B	3 ²	4 ⁰	4 ³	5 ³	b	3 ⁵	4 ²
C	3 ²	4 ⁰	4 ³	5 ³	c	3 ⁵	4 ¹
D	3 ²	4 ⁰	4 ³	5 ³	d	3 ⁵	4 ²
E	3 ⁰	3 ⁵	4 ⁰	4 ⁷	e	3 ⁵	4 ²
F	3 ⁰	3 ⁵	4 ⁰	4 ⁷	f	2 ³	2 ⁶
G	3 ²	4 ⁰	4 ³	5 ³	g	3 ⁵	4 ²
H	3 ²	4 ⁰	4 ³	5 ³	h	3 ⁵	4 ²
I	0 ⁷	0 ⁷	1 ¹	1 ²	i	1 ¹	1 ¹
J	3 ⁰	3 ⁶	4 ⁰	5 ⁰	j	2 ⁰	2 ²
K	3 ²	4 ¹	4 ³	5 ⁴	k	3 ⁵	4 ²
L	3 ⁰	3 ⁵	4 ⁰	4 ⁷	l	1 ¹	1 ¹
M	3 ⁷	4 ⁵	5 ¹	6 ¹	m	6 ⁰	7 ⁰
N	3 ²	4 ⁰	4 ³	5 ³	n	3 ⁵	4 ²
O	3 ⁴	4 ²	4 ⁵	5 ⁵	o	3 ⁶	4 ³
P	3 ²	4 ⁰	4 ³	5 ³	p	3 ⁵	4 ²
Q	3 ⁴	4 ²	4 ⁵	5 ⁵	q	3 ⁵	4 ²
R	3 ²	4 ⁰	4 ³	5 ³	r	2 ⁶	3 ²
S	3 ²	4 ⁰	4 ³	5 ³	s	3 ⁶	4 ²
T	3 ⁰	3 ⁵	4 ⁰	4 ⁷	t	2 ⁷	3 ²
U	3 ²	4 ⁰	4 ³	5 ³	u	3 ⁵	4 ²
V	3 ⁵	4 ⁴	4 ⁷	6 ⁰	v	4 ²	4 ⁷
W	4 ⁴	5 ²	6 ⁰	7 ⁰	w	5 ⁵	6 ⁴
X	3 ⁴	4 ⁰	4 ⁵	5 ³	x	4 ⁴	5 ¹
Y	3 ⁶	5 ⁰	5 ⁰	6 ⁶	y	4 ⁶	5 ³
Z	3 ²	4 ⁰	4 ³	5 ³	z	3 ⁶	4 ³

NUMBER	6 INCH SERIES		8 INCH SERIES	
	C	D	C	D
1	1 ²	1 ⁴	1 ⁵	2 ⁰
2	3 ²	4 ⁰	4 ³	5 ³
3	3 ²	4 ⁰	4 ³	5 ³
4	3 ⁵	4 ⁰	4 ⁷	5 ⁷
5	3 ²	4 ⁰	4 ³	5 ³
6	3 ²	4 ⁰	4 ³	5 ³
7	3 ²	4 ⁰	4 ³	5 ³
8	3 ²	4 ⁰	4 ³	5 ³
9	3 ²	4 ⁰	4 ³	5 ³
0	3 ⁴	4 ²	4 ⁵	5 ⁵

REVISIONS	
NAME	DATE

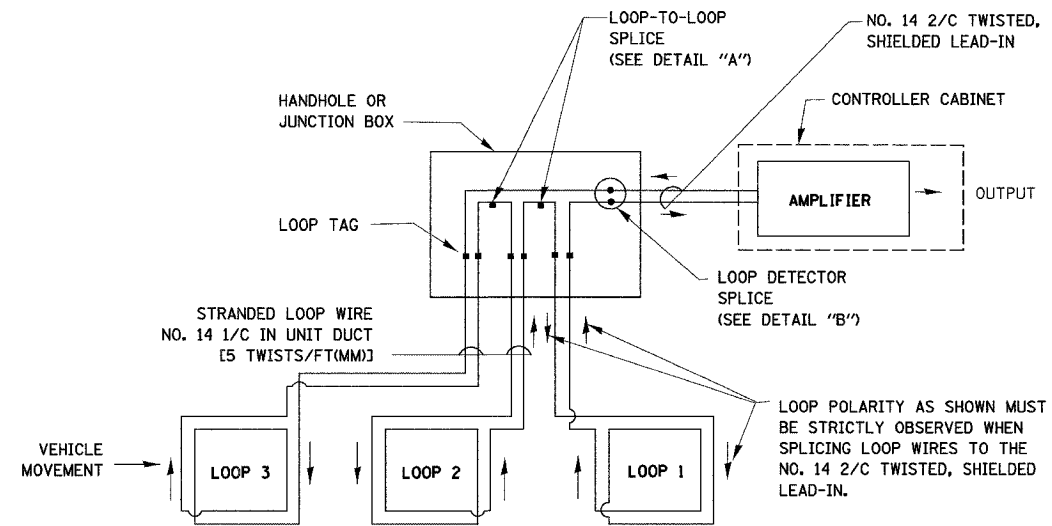
ILLINOIS DEPARTMENT OF TRANSPORTATION
MAST ARM MOUNTED STREET NAME SIGNS
ILL. RTE. 19 (IRVING PARK RD.) & BLOOMINGDALE ROAD

SCALE: NOT TO SCALE DRAWN BY: BRD
DATE: 8/23/2006 CHECKED BY: JJE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711 N-1	DU PAGE	54	35
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		

LOOP DETECTOR NOTES

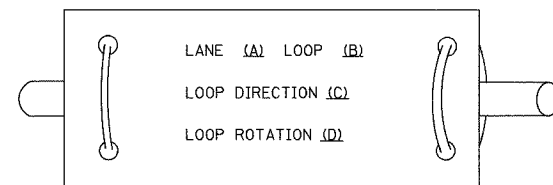
- EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE UNIT DUCT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). UNIT DUCT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
- THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED 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.
- 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.
- ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
- 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.
- 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.
- PERFORMED 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.



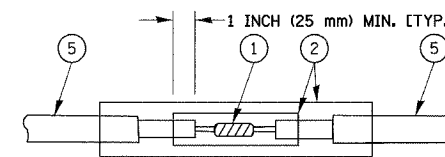
DETECTOR LOOP WIRING SCHEMATIC

- 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.

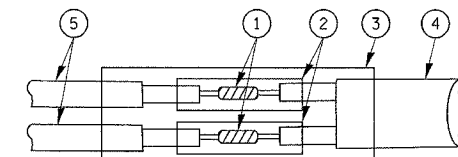
LOOP LEAD-IN CABLE TAG



- LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.



**DETAIL "A"
LOOP-TO-LOOP SPLICE**



**DETAIL "B"
LOOP-TO-CONTROLLER SPLICE**

LOOP DETECTOR SPLICE

- WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH.
- WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- NO. 14 2/C TWISTED, SHIELDED CABLE.
- LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DISTRICT ONE
 STANDARD TRAFFIC SIGNAL
 DESIGN DETAILS

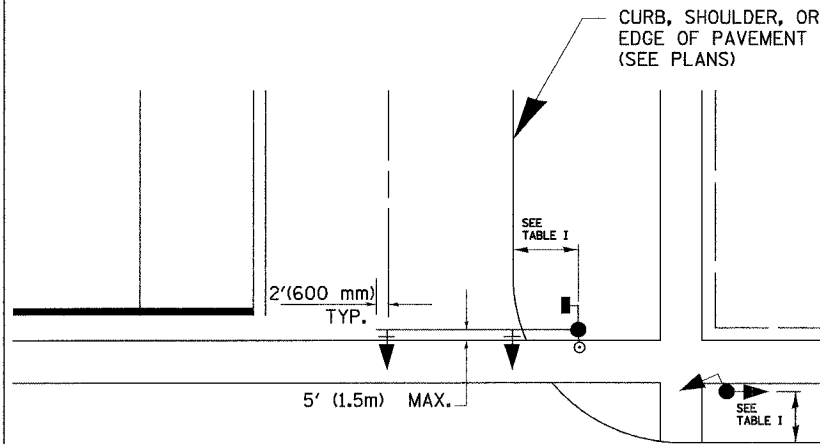
SCALE: VERT. NONE
 HORIZ. NONE
 DATE 1-01-02

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

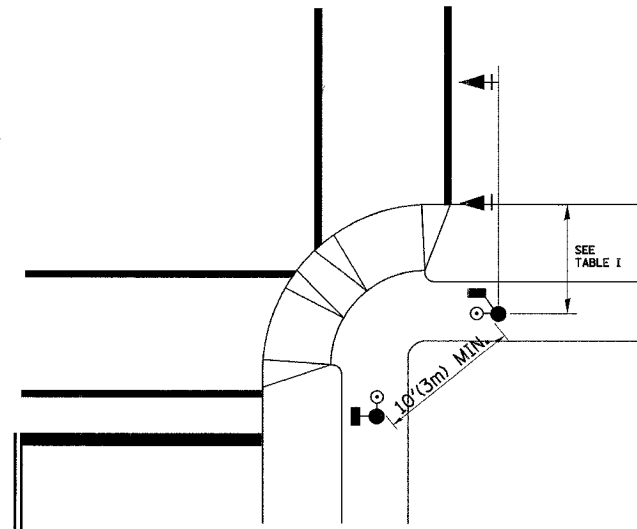
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711 N-1	DU PAGE	54	36
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		

TRAFFIC SIGNAL MAST ARM AND POST

MAST ARM MOUNTED SIGNAL IN PROPOSED & FUTURE SIDEWALK AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNAL AND PUSHBUTTON DETECTOR



PEDESTRIAN SIGNAL PUSHBUTTON



RECOMMENDED PUSHBUTTON LOCATIONS FOR ACCESSIBLE PEDESTRIAN SIGNALS SHALL BE IN ACCORDANCE WITH THE CURRENT MUTCD (SEE NOTE 1). TO MEET MUTCD REQUIREMENTS, PEDESTRIAN SIGNAL PUSHBUTTONS MAY HAVE TO BE MOUNTED ON A SEPARATE POST.

NOTES:

- AT ACCESSIBLE PEDESTRIAN SIGNAL LOCATIONS WITH PEDESTRIAN ACTUATION, EACH PUSHBUTTON SHALL ACTIVATE BOTH THE WALK INTERVAL AND THE ACCESSIBLE PEDESTRIAN SIGNALS.

AT ACCESSIBLE PEDESTRIAN SIGNAL LOCATIONS, PUSHBUTTONS SHOULD CLEARLY INDICATE WHICH CROSSWALK SIGNAL IS ACTUATED BY EACH PUSHBUTTON. PUSHBUTTONS AND TACTILE ARROWS SHOULD HAVE HIGH VISUAL CONTRAST (SEE THE DEPARTMENT OF JUSTICE'S AMERICANS WITH DISABILITIES ACT STANDARDS FOR ACCESSIBLE DESIGN, 1991). TACTILE ARROWS SHOULD POINT IN THE SAME DIRECTION AS THE ASSOCIATED CROSSWALK. AT CORNERS OF SIGNALIZED LOCATIONS WITH ACCESSIBLE PEDESTRIAN SIGNALS WHERE PEDESTRIAN PUSHBUTTONS ARE PROVIDED, THE PUSHBUTTONS SHOULD BE SEPARATED BY THE DISTANCE OF AT LEAST 10 FT (3m). THIS ENABLES PEDESTRIANS WHO HAVE VISUAL DISABILITIES TO DISTINGUISH AND LOCATE THE APPROPRIATE PUSHBUTTON.

PUSHBUTTONS FOR ACCESSIBLE PEDESTRIAN SIGNALS SHOULD BE LOCATED AS FOLLOWS:
 A: ADJACENT TO A LEVEL ALL-WEATHER SURFACE TO PROVIDE ACCESS FROM A WHEELCHAIR, AND WHERE THERE IS AN ALL WEATHER SURFACE, WHEELCHAIR ACCESSIBLE ROUTE TO THE RAMP.
 B: WITHIN 5 FT (1.5m) OF THE CROSSWALK EXTENDED.
 C: WITHIN 10 FT (3m) OF THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
 D: PARALLEL TO THE CROSSWALK TO BE USED (SEE MUTCD FIGURE 4E-2).
 E: NORMAL PEDESTRIAN PUSHBUTTON MOUNTING HEIGHT SHOULD BE 3.5 FT (1.05m) ABOVE ADJACENT SIDEWALK
- PEDESTRIAN SIGNAL FACES SHALL BE MOUNTED WITH THE BOTTOM OF THE HOUSING NOT LESS THAN 8 FT (2.4m) NOR MORE THAN 10 FT (3.0m) ABOVE THE SIDEWALK LEVEL AND SO THERE IS A PEDESTRIAN INDICATION IN THE LINE OF PEDESTRIANS' VISION WHICH PERTAINS TO THE CROSSWALK BEING USED.
- THE BOTTOM OF THE HOUSING OF A VEHICLE SIGNAL FACE, NOT MOUNTED OVER A ROADWAY, SHALL BE AT LEAST 10 FT (3.0m) BUT NOT MORE THAN 15 FT (4.5m) ABOVE THE SIDEWALK OR, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE HIGHWAY IF NO SIDEWALKS EXIST.
- THE BOTTOM OF THE HOUSING OF A VEHICLE SIGNAL FACE, MOUNTED OVER A ROADWAY, SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001 AND 877006. (16 FT (5m) MIN., 18 FT (5.5m) MAX., FROM HIGHEST POINT OF PAVEMENT)

PEDESTRIAN SIGNAL POST

PEDESTRIAN SIGNAL HEAD AND PEDESTRIAN PUSHBUTTON DETECTOR LOCATION

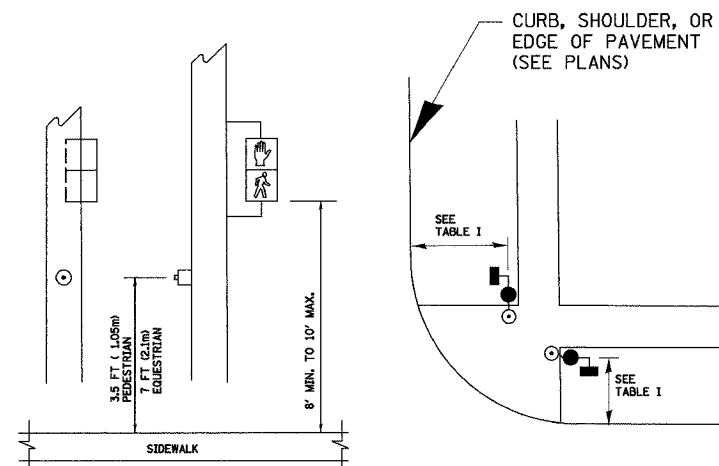


TABLE I

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MIN. DIST. FROM BACK OF CURB)	SHOULDER/NON-CURBED AREA (MIN. DIST. FROM EDGE OF PAVEMENT)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
PEDESTRIAN PUSHBUTTON	SEE NOTE 1	SEE NOTE 1

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT 1
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: VERT. NONE
HORIZ. NONE
DATE 1-01-02

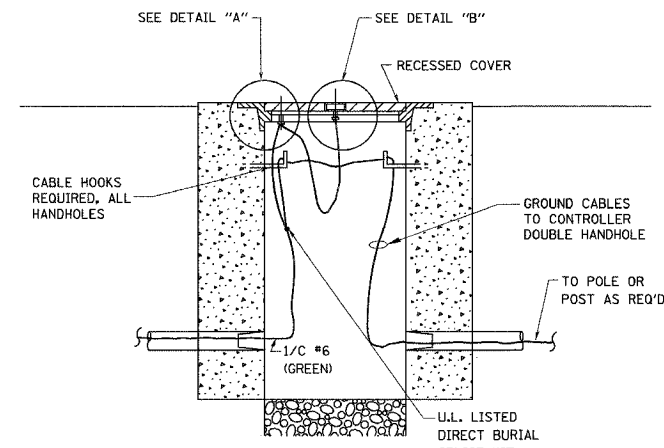
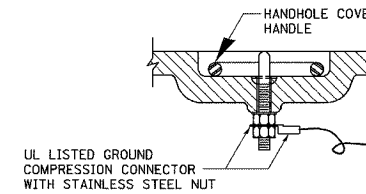
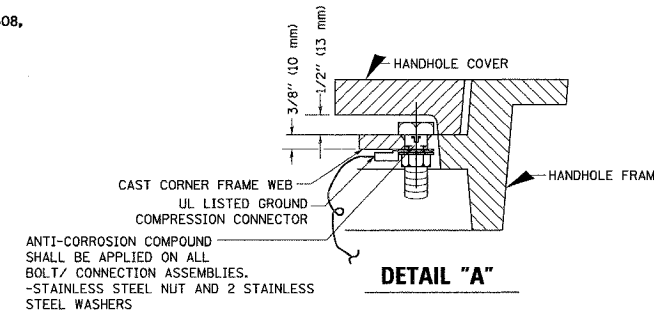
DRAWN BY: RWP
DESIGNED BY: DAD
CHECKED BY: DAZ
SHEET 2 OF 4

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711 N-1	DU PAGE	54	37
STA.		TO STA.		
FED. ROAD DIST. NO. 7		ILLINOIS FED. AID PROJECT		

NOTES:

GROUNDING SYSTEM

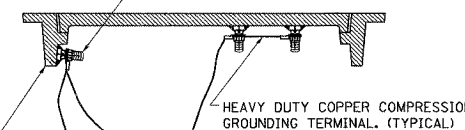
1. THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN PROVIDED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC.). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD. ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
2. THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
3. ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
4. THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.



HANDHOLE COVER & FRAME - GROUNDING DETAIL

(NOT TO SCALE)

(2) 1/2" x 1 1/4" STAINLESS STEEL BOLT WITH SPLIT LOCK WASHER AND NYLON INSERT LOCKOUT WELDED TO FRAME AND TO COVER. (TYPICAL)

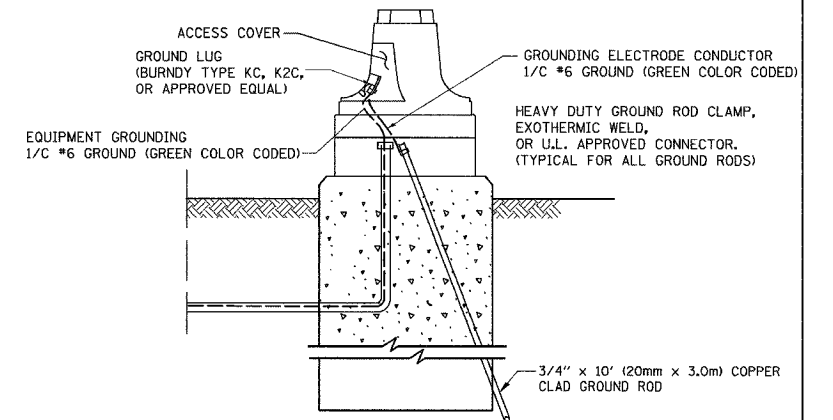


EXISTING HANDHOLE COVER & FRAME - GROUNDING DETAIL

(NOT TO SCALE)

NOTES:

- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
- GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES. 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES. 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



MAST ARM POLE / POST-GROUNDING DETAIL

(NOT TO SCALE)

REVISIONS	
NAME	DATE

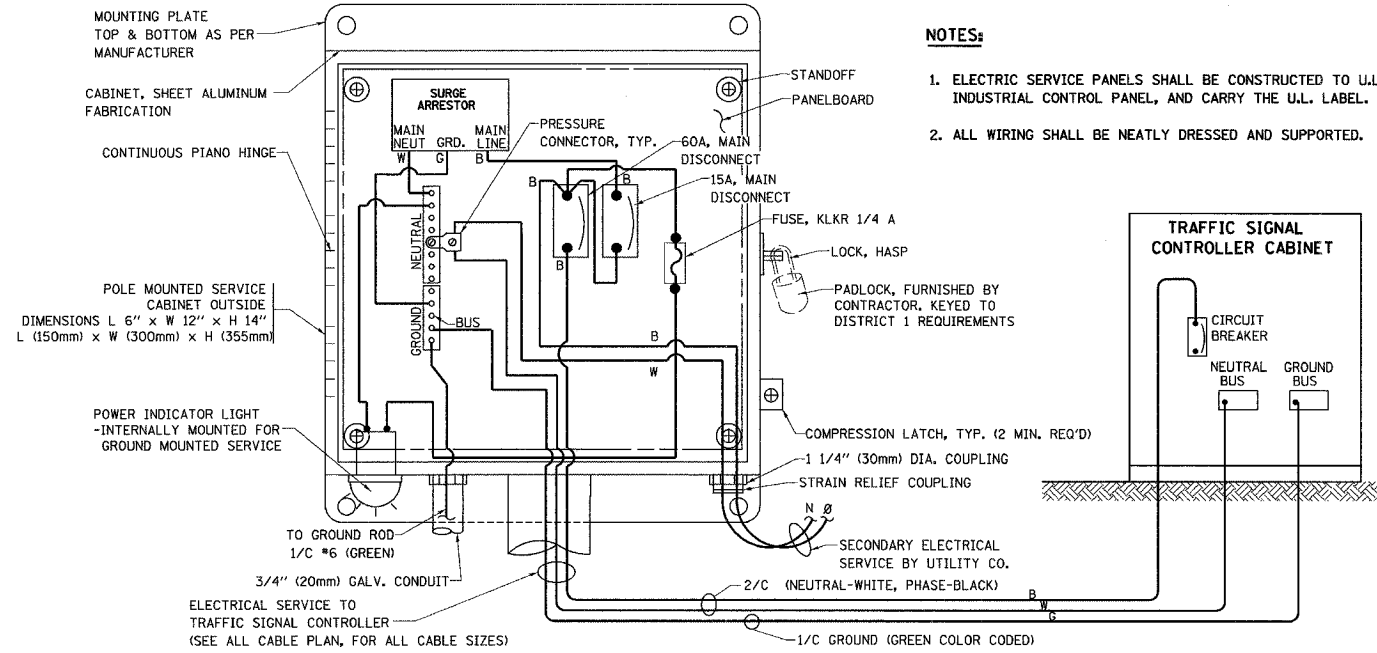
ILLINOIS DEPARTMENT OF TRANSPORTATION
 DISTRICT 1
 STANDARD TRAFFIC SIGNAL
 DESIGN DETAILS

SCALE: VERT. NONE
 HORIZ.
 DATE 1-01-02

DRAWN BY: RWP
 DESIGNED BY: DAD
 CHECKED BY: DAZ
 SHEET 3 OF 4

NOTES:

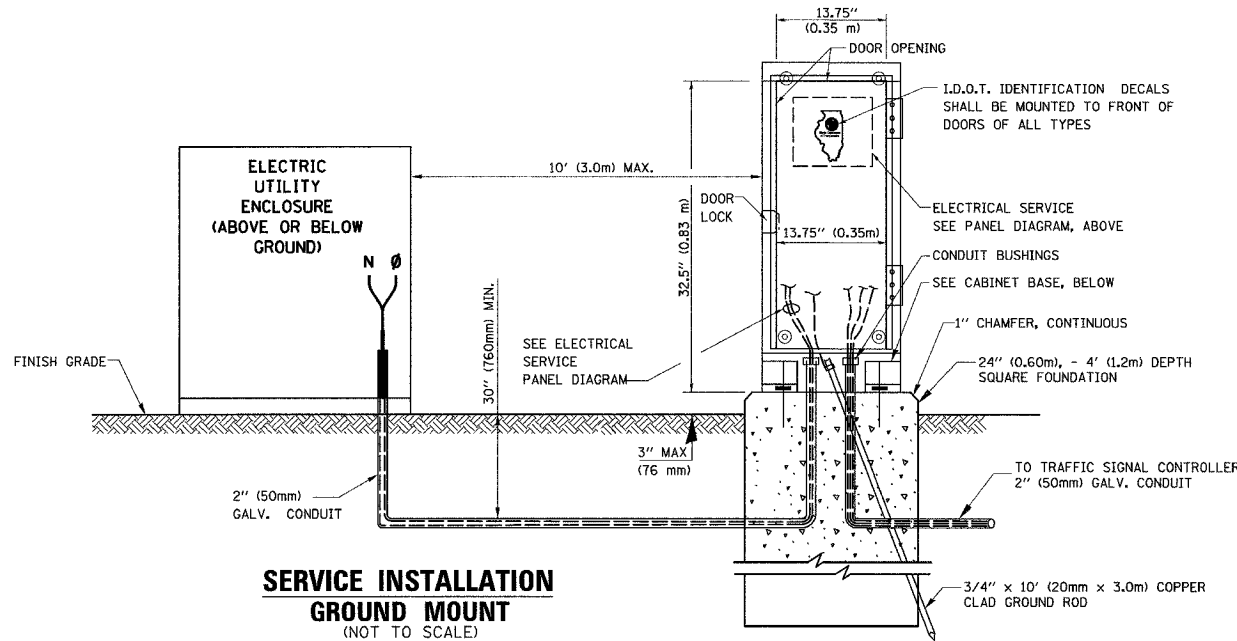
1. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO U.L. STD 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE U.L. LABEL.
2. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.



ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)

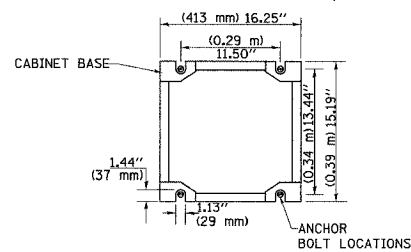
SERVICE INSTALLATION POLE MOUNT (SHOWN)

(NOT TO SCALE)



SERVICE INSTALLATION GROUND MOUNT

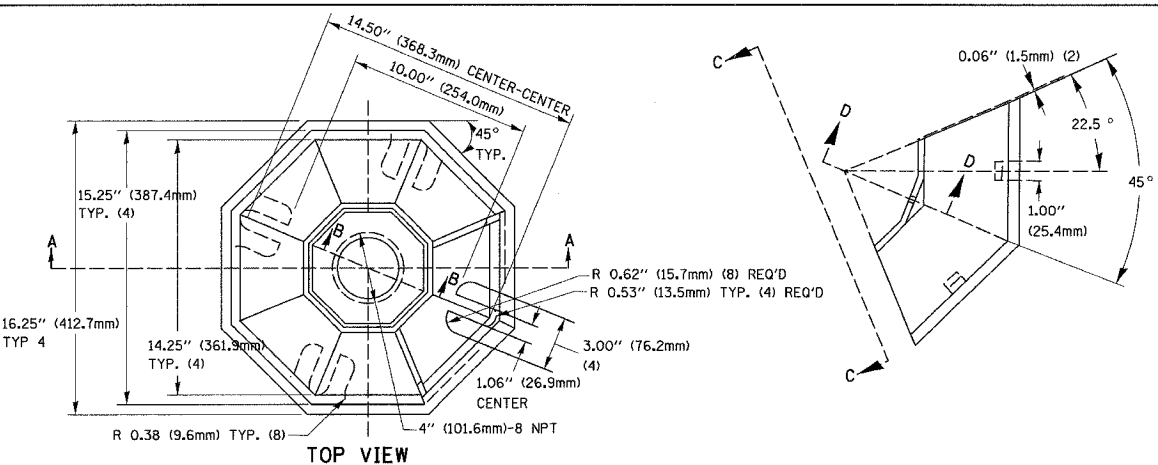
(NOT TO SCALE)



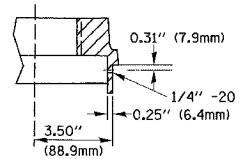
CABINET - BASE BOLT PATTERN

(NOT TO SCALE)

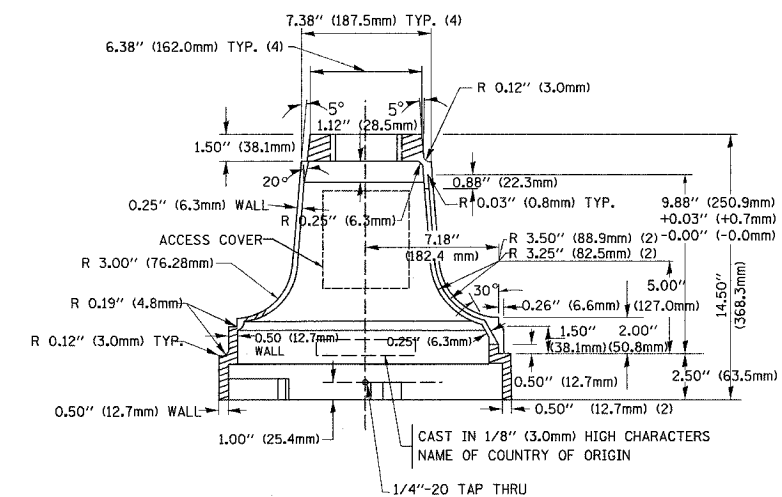
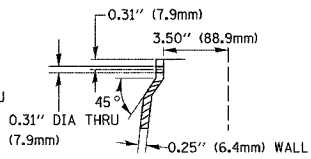
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA.		TO STA.		
FED. ROAD DIST. NO. 7 ILLINOIS FED. AID PROJECT				



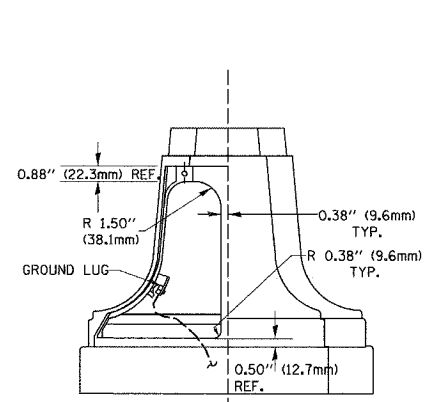
SECTION B-B



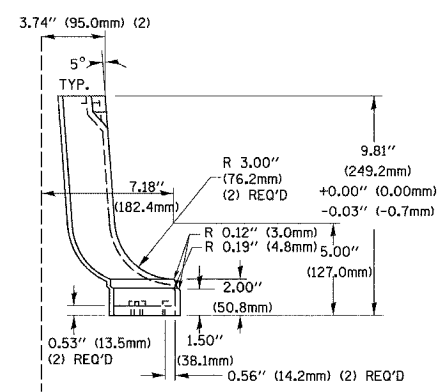
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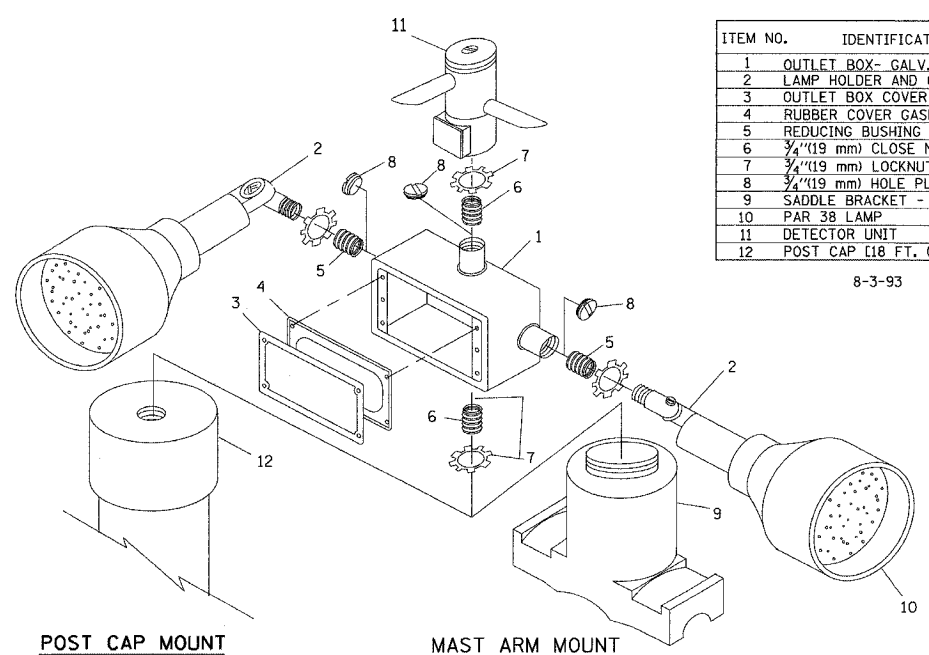
SECTION A-A



VIEW C-C



TRAFFIC SIGNAL POST - MOUNTING BASE - TYPE A



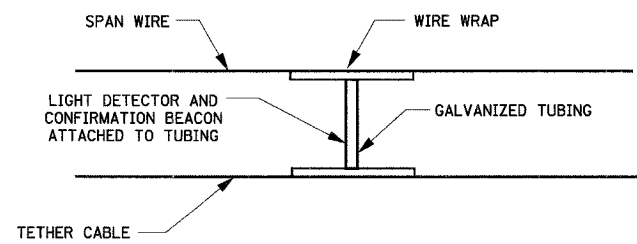
POST CAP MOUNT
MAST ARM MOUNT
EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4\" (19 mm) CLOSE NIPPLE
7	3/4\" (19 mm) LOCKNUT
8	3/4\" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	PAR 38 LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

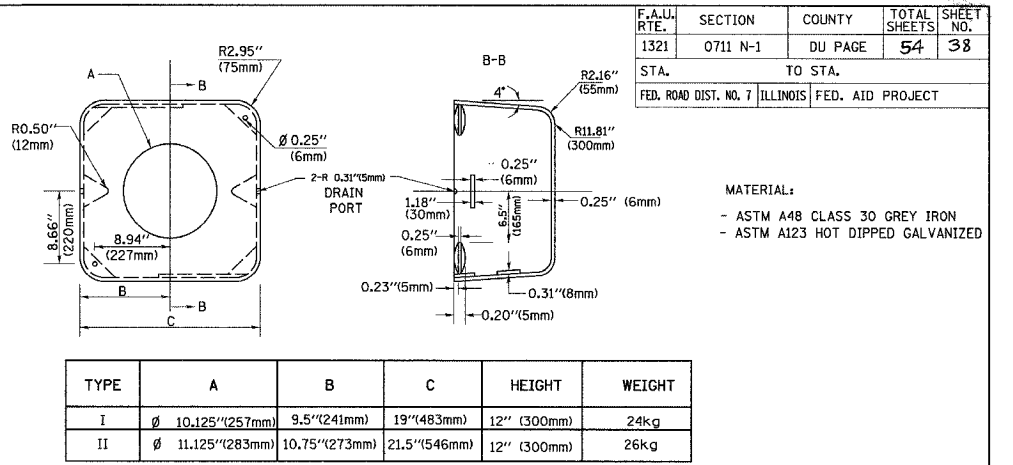
8-3-93

NOTES:

- ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
- ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
- WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4\" (19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



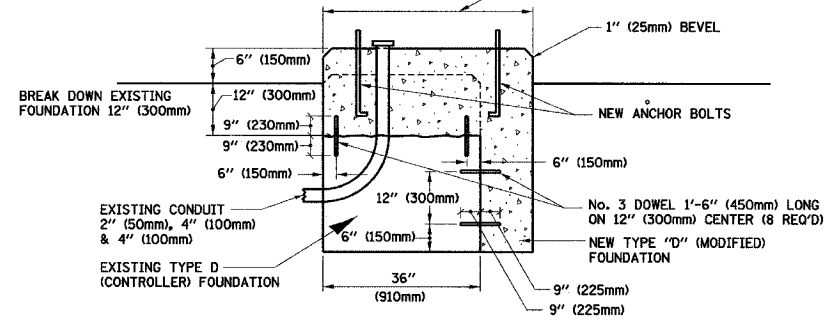
LIGHT DETECTOR AND CONFIRMATION BEACON MOUNTING FOR TEMPORARY TRAFFIC SIGNALS (NOT TO SCALE)



TYPE	A	B	C	HEIGHT	WEIGHT
I	∅ 10.125\" (257mm)	9.5\" (241mm)	19\" (483mm)	12\" (300mm)	24kg
II	∅ 11.125\" (283mm)	10.75\" (273mm)	21.5\" (546mm)	12\" (300mm)	26kg

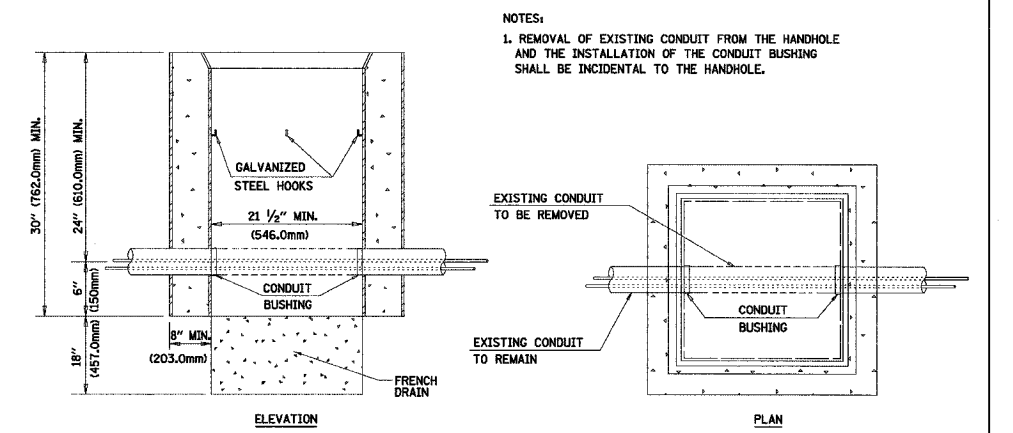
SHROUD DETAIL

NOTE:
SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



MODIFY EXISTING TYPE "D" FOUNDATION

(NOT TO SCALE)



DETAIL HANDHOLE TO INTERCEPT EXISTING CONDUIT N.T.S.

REVISIONS	
NAME	DATE

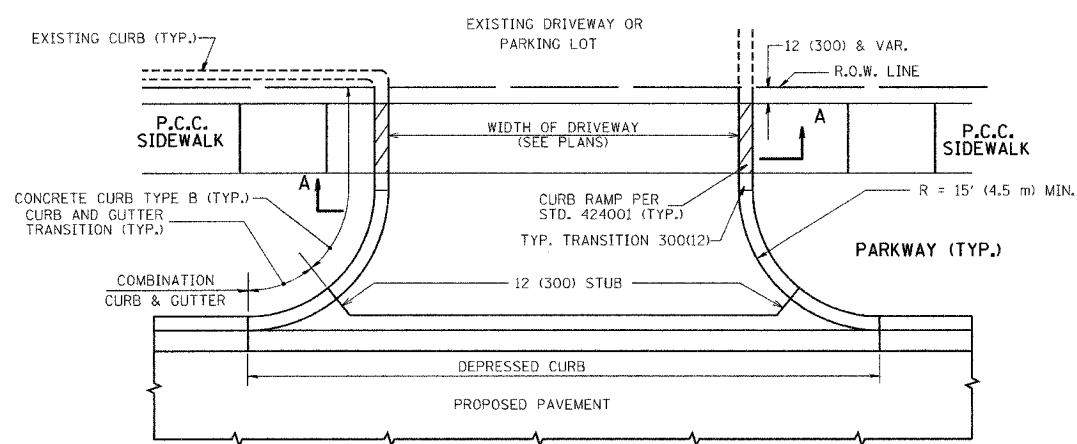
ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT 1
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: VERT. NONE
HORIZ. 1-01-02

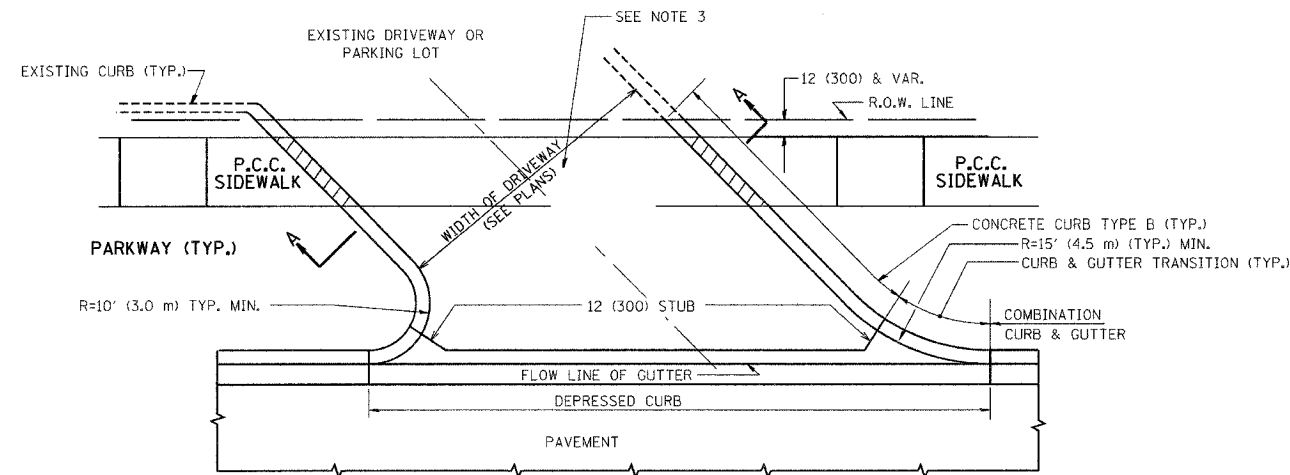
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DESIGNED BY: DAZ
CHECKED BY: DAZ
SHEET 4 OF 4

DATE-TIME
DGN-SPEC

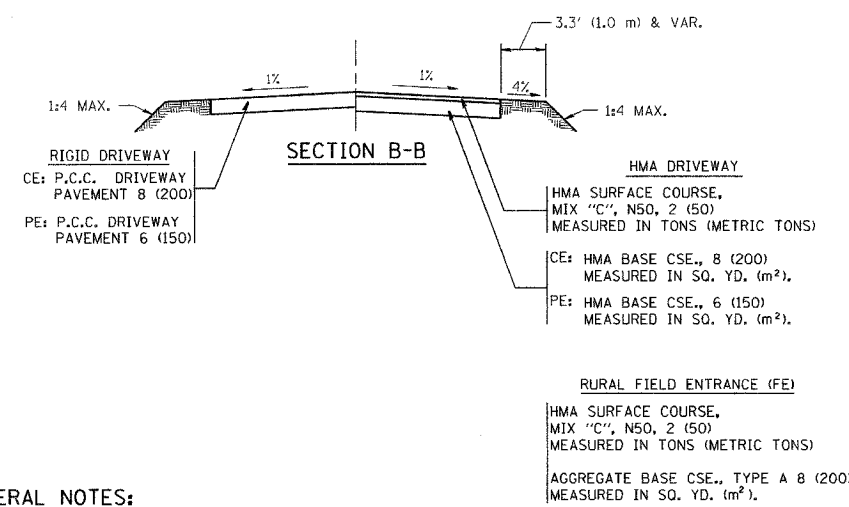
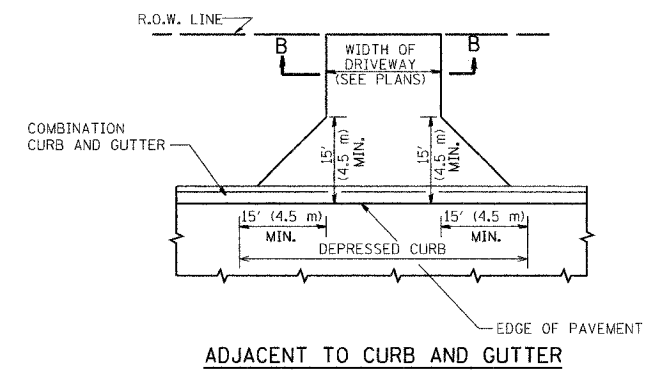
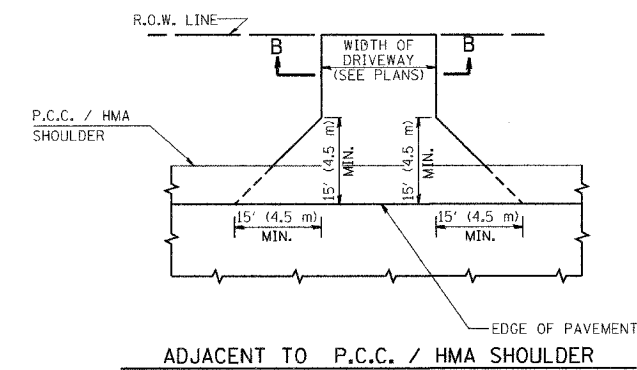
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711 N-1	DuPage	54	39
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



WITH CONCRETE CURB, TYPE B



WITH CONCRETE CURB, TYPE B



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.

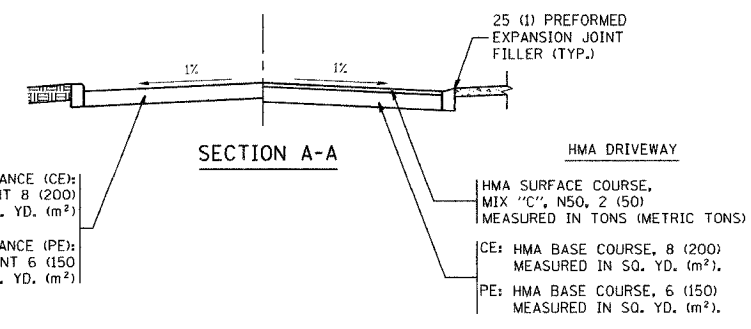
COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

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.

1 (25) 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 INCHES (MILLIMETERS) UNLESS OTHERWISE NOTED

REVISIONS	
NAME	DATE
P. LOFLEUR	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
R. BORO	01-01-07

ILLINOIS DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS

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

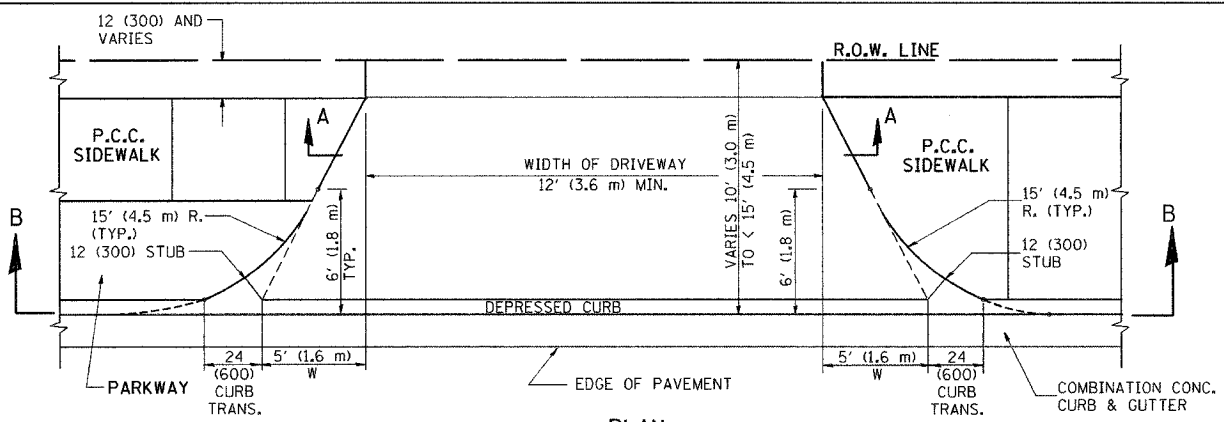
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PLOT DATE: 10/31/2006

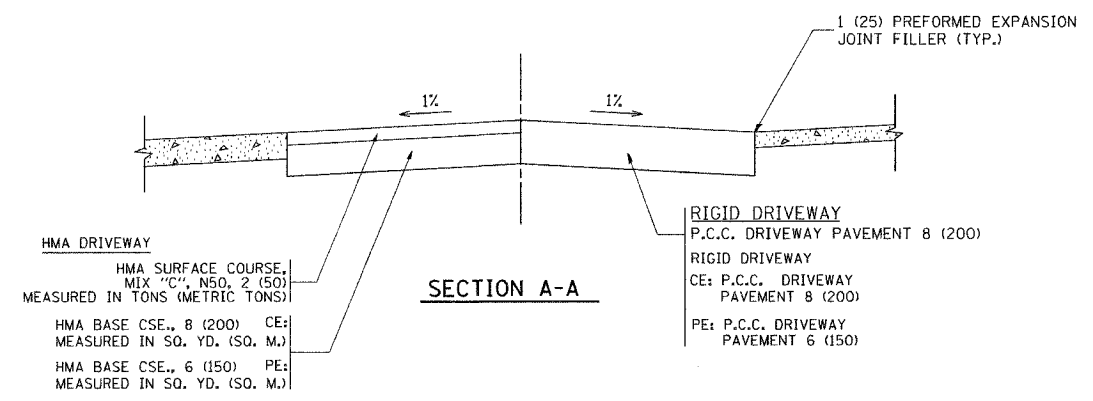
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USER NAME = jrg

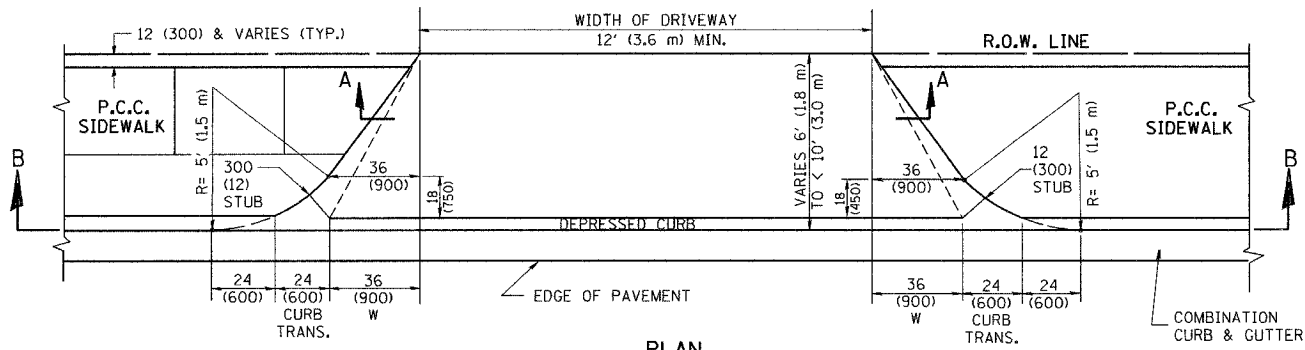
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STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



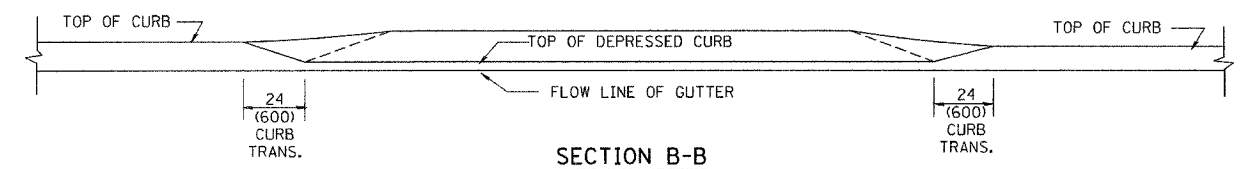
PLAN
10' (3.0 m) TO < 15' (4.5 m)



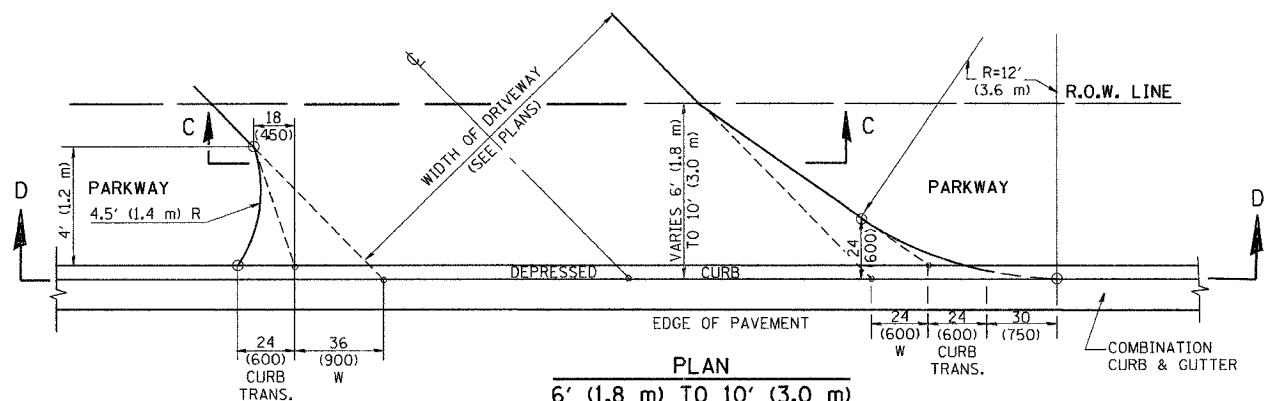
SECTION A-A



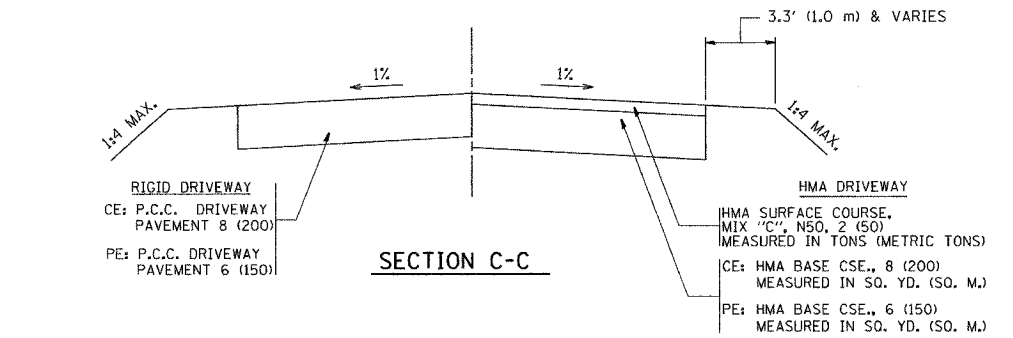
PLAN
6' (1.8 m) TO < 10' (3.0 m)



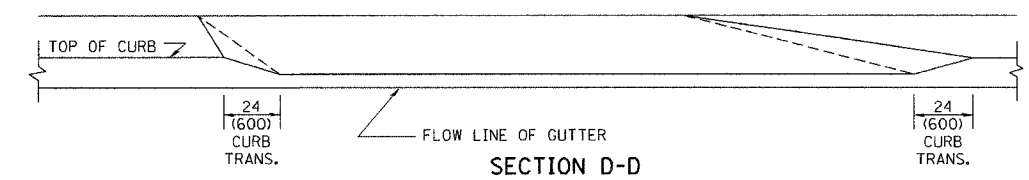
SECTION B-B



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



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 ILLUSTRATION 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 8' (2.4 m), 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.

THE 1 (25) 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 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

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

ILLINOIS DEPARTMENT OF TRANSPORTATION

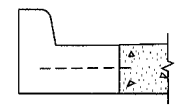
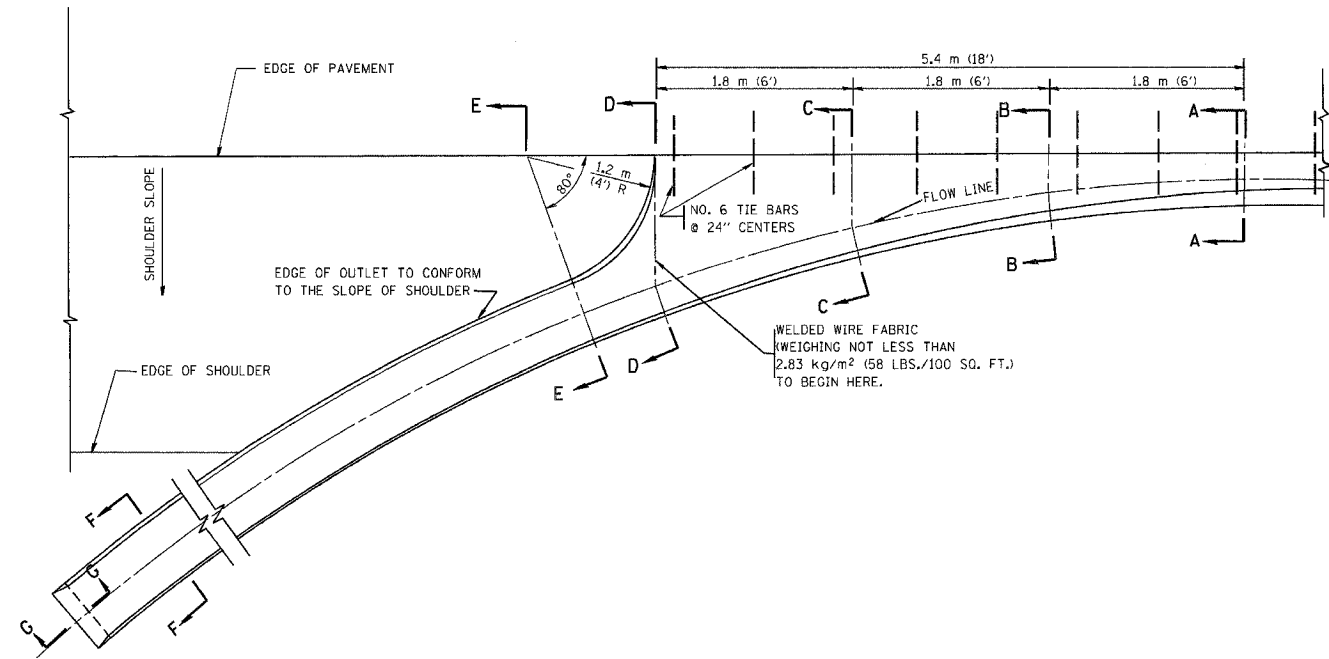
DRIVEWAY DETAILS
DISTANCE BETWEEN ROW AND
FACE OF CURB < 15' (4.5 m)

SCALE: VERT.
HORIZ.
DATE PLOTTED: 11/1/2006

DRAWN BY
CHECKED BY

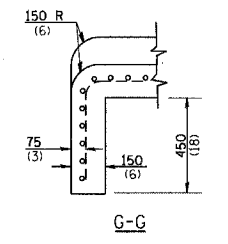
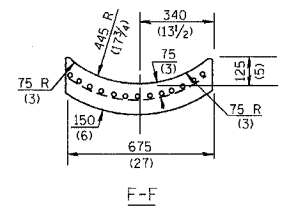
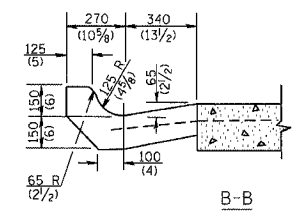
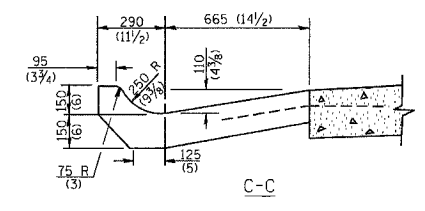
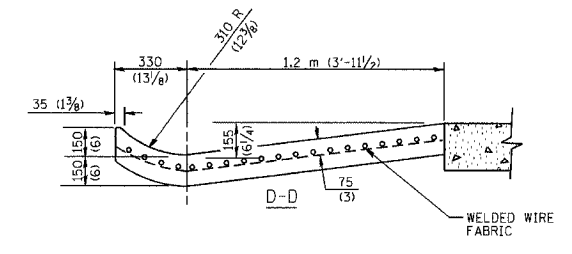
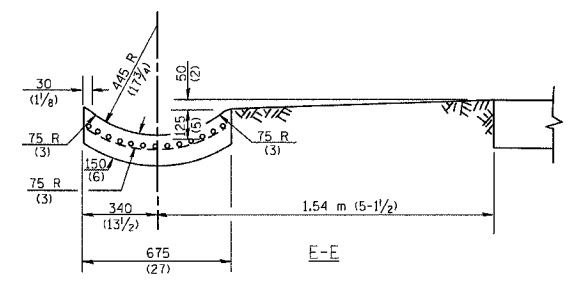
REVISIONS	
NAME	DATE
R. SHAH	11/06/95
J. POLLASTRINI	08/12/96
J. POLLASTRINI	12/14/96
A. ABBAS	03/21/97
T. HOLTZ	04/08/97
M. GOMEZ	04/06/01
P. L'GFEUR	04/15/03
R. BORD	01/01/07

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711 N-1	DuPage	54	41
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



A-A *

* DIMENSIONS OF THE CURB & GUTTER AT SECTION A-A ARE SHOWN ON STATE STANDARD 606001. FOR DETAILS OF OUTLET FOR CONCRETE CURB & GUTTER, TYPE B-15.60 (B-6.24) SEE STATE STANDARD 606006.



GENERAL NOTES

GUTTER OUTLET SHALL BE TIED TO THE PAVEMENT IN ACCORDANCE WITH DETAILS FOR LONGITUDINAL CONSTRUCTION JOINT SHOWN ON STANDARD 420001.

TIE BARS SHALL BE NO. 20 (NO.6) AT 600 (24) CENTERS UNLESS OTHERWISE SHOWN.

IF THE AVERAGE GRADE OF PAVEMENT FOR THE DISTANCE FROM SECTION A-A TO D-D EXCEEDS 2%, THIS DISTANCE SHALL BE INCREASED 1.8 m (6') FOR EACH 1% INCREASE IN GRADE.

QUANTITIES

FOR SECTION A-A TO E-E AND CURTAIN WALL =
 0.96 m³ (1.25 CU. YDS.) CLASS SI CONCRETE (OUTLET) FOR 225 (9) PAV'T.
 0.97 m³ (1.27 CU. YDS.) CLASS SI CONCRETE (OUTLET) FOR 250 (10) PAV'T.
 FOR SECTION F-F =
 0.03 m³ (0.045 CU. YDS.) CLASS SI CONCRETE PER m (ft.).

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

REVISIONS	
NAME	DATE
M. DE YONG	8/4/86
R. SHAH	09/09/94
R. SHAH	10/25/94
E. GOMEZ	12/21/00

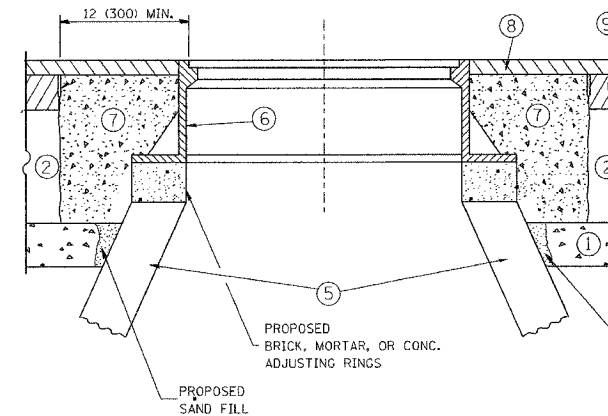
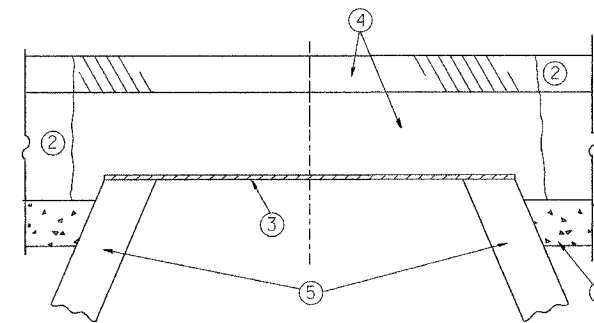
ILLINOIS DEPARTMENT OF TRANSPORTATION
OUTLET FOR CONCRETE CURB AND GUTTER

SCALE: VERT.
 HORIZ.
 DATE: 2/15/2006

DRAWN BY
 CHECKED BY
 BD600-01 (BD-03)
 REVISION DATE: 12/21/00

PLOT DATE = 2/15/2006
 PLOT SCALE = 41.9999 / IN.
 USER NAME = gqglennat

CONTRACT NO.				
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711 N-1	DuPage	54	42
STA.		TO STA.		
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

NOTES:

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

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

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

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

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

LOCATION OF STRUCTURES:

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

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

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

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
R. BORO	01/01/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

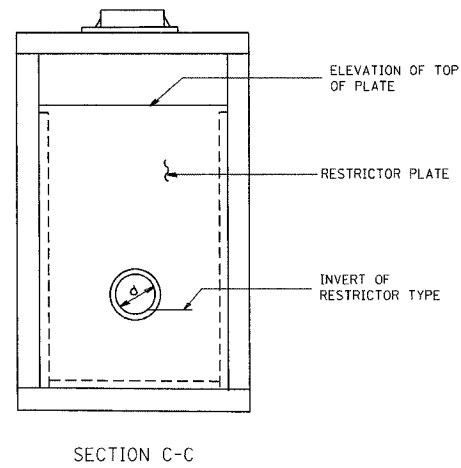
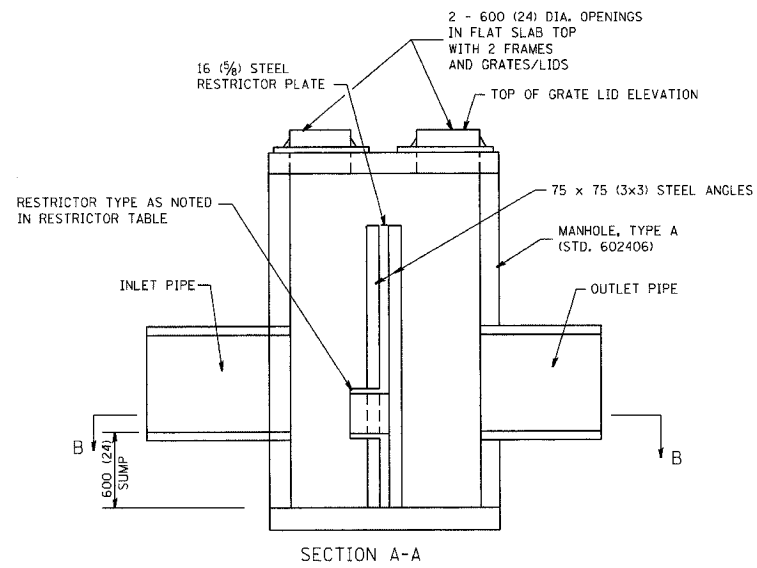
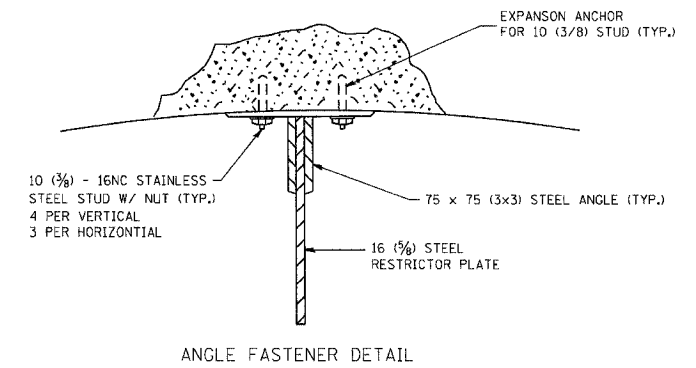
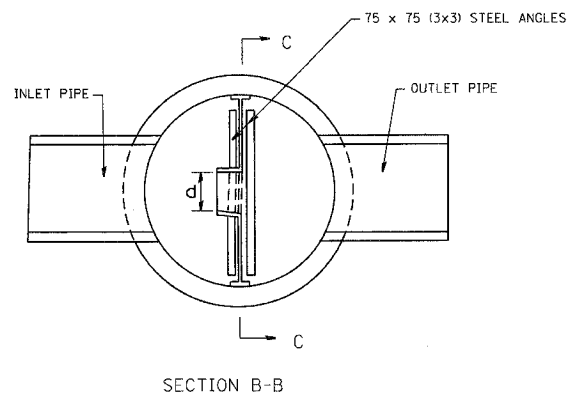
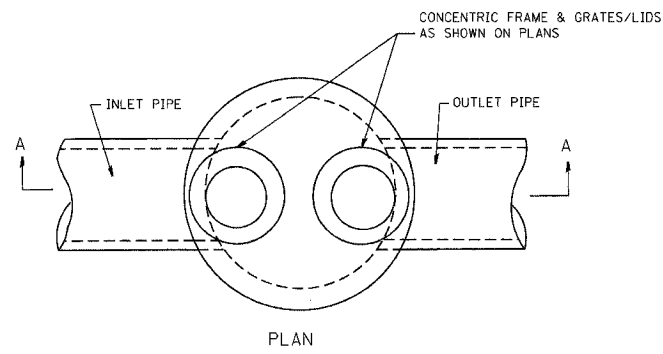
SCALE: VERT. NONE
HORIZ. NONE
PLOT DATE: 10/31/2006

DRAWN BY
CHECKED BY

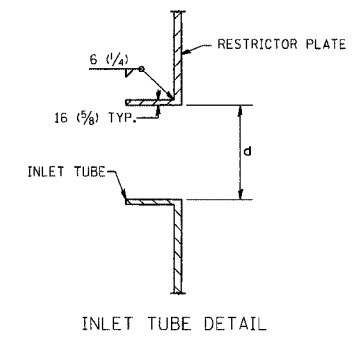
BD600-03 (BD-8)
REVISION DATE: 01/01/07

PLOT DATE = 10/31/2006
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PLOT SCALE = 50.0000 / IN.
USER NAME = jgrub

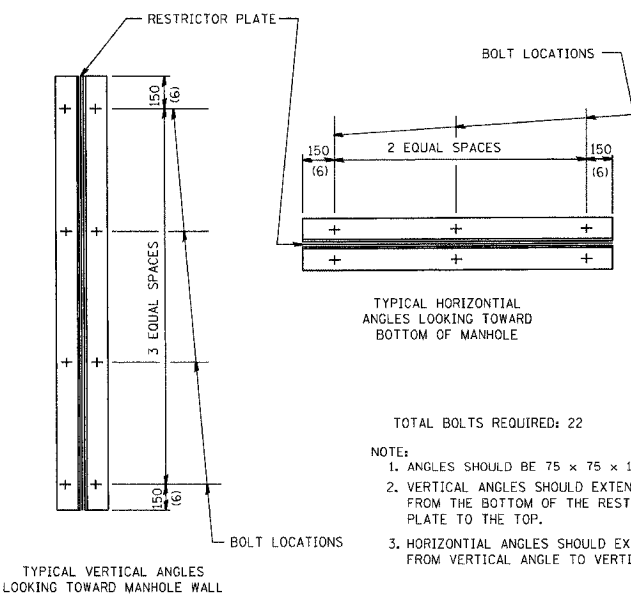
F.A. DIST. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711 N-1	DoPage	54	43
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



- NOTES:
1. ALL STEEL ANGLES AND PLATES TO BE GALVANIZED AFTER FABRICATION.
 2. ALL RESTRICTOR PLATES, ANGLES AND HARDWARE TO BE INCLUDED IN THE COST OF THE MANHOLE.
 3. BASIS OF PAYMENT: "MANHOLES, TYPE A, 1.8m (6FT.) DIAMETER, TYPE 1 FRAME, CLOSED LID, RESTRICTOR PLATE" EACH



STATION	MANHOLE DIAMETER	FRAME AND GRATE	RESTRICTOR TYPE	INSIDE RESTRICTOR TYPE DIAMETER mm (in.) (d)	INVERT OF RESTRICTOR TYPE	ELEVATION OF TOP OF PLATE OVERFLOW
1002+50	6'	TY.1 CLOSED	TYPE 6	8"	693.2	696.86



- TOTAL BOLTS REQUIRED: 22
- NOTE:
1. ANGLES SHOULD BE 75 x 75 x 10 (3x3x3/8)
 2. VERTICAL ANGLES SHOULD EXTEND FROM THE BOTTOM OF THE RESTRICTOR PLATE TO THE TOP.
 3. HORIZONTAL ANGLES SHOULD EXTEND FROM VERTICAL ANGLE TO VERTICAL ANGLE.

RESTRICTOR TYPE					
1	2	3	4	5	6
RE-ENTRANT TUBE	SHARP EDGED	SQUARE EDGED	RE-ENTRANT TUBE	SQUARE EDGED	ROUNDED
LENGTH: 1/2 TO 1 DIA.		STREAM CLEARS SIDES	LENGTH: 2-1/2 DIA.	LENGTH: 2-1/2 DIA.	
C=.52	C=.61	C=.61	C=.73	C=.82	C=.98

VALUES OF "C" FOR CIRCULAR AND SQUARE ORIFICES

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

REVISIONS	
NAME	DATE
R. SHAH	09/09/94
R. SHAH	10/25/94
E. GOMEZ	08/28/00
M. GOMEZ	01/08/01

ILLINOIS DEPARTMENT OF TRANSPORTATION

MANHOLE WITH RESTRICTOR PLATE

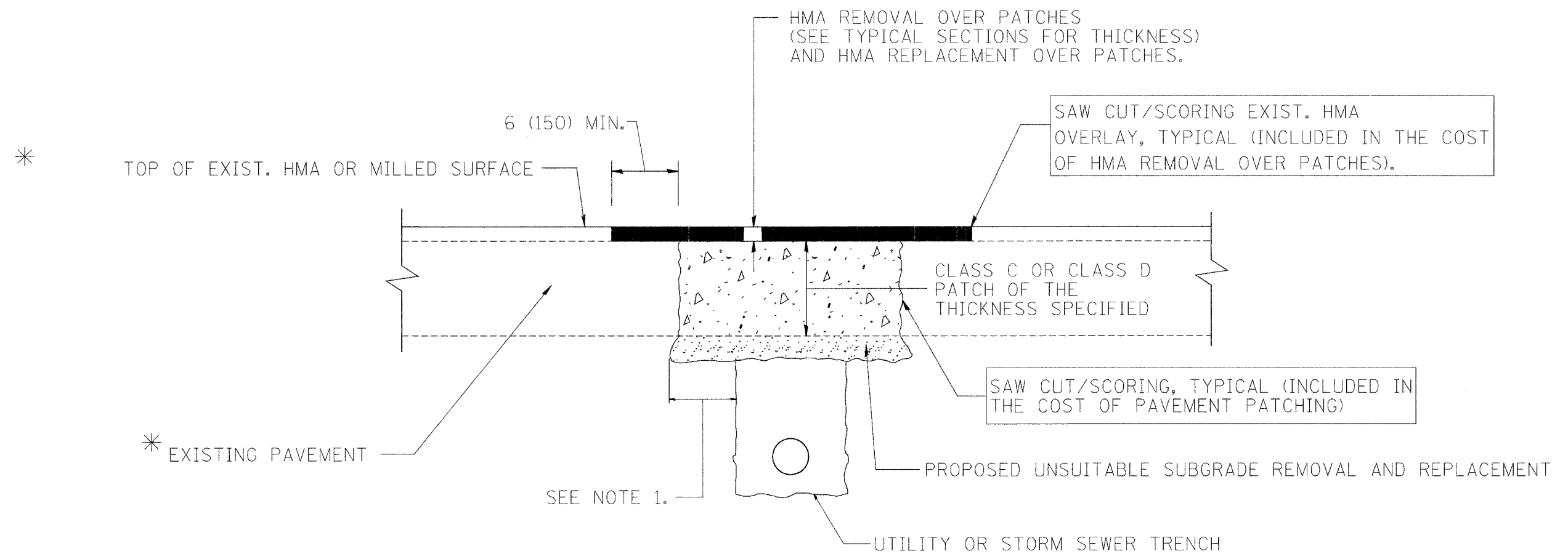
SCALE: VERT. HORIZ. DATE: 2/15/2006

DRAWN BY CHECKED BY

BD600-04 (BD-12) REVISION DATE: 01/08/01

PLOT DATE = 2/15/2006
 PLOT SCALE = 1/8" = 1'-0"
 USER NAME = greghamodt

F.A.W. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
12A	0711 N-1	DeWitt	54	44
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 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

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

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) 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
R. BORO	01/01/07

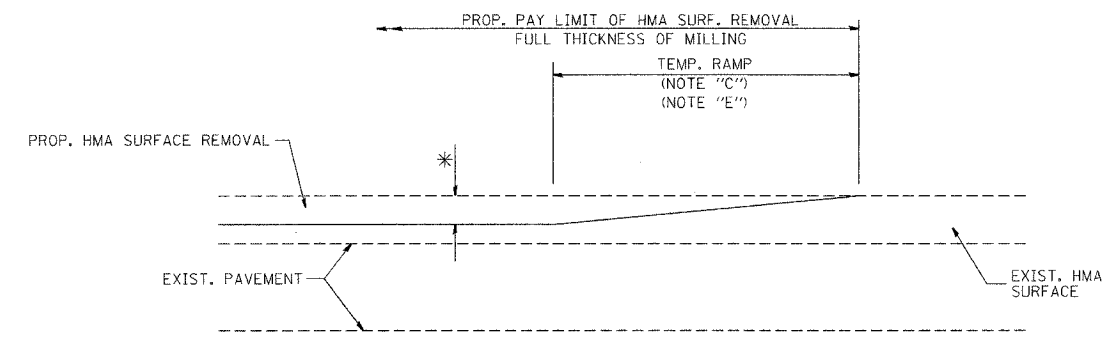
ILLINOIS DEPARTMENT OF TRANSPORTATION

PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT

SCALE: VERT. NONE
 HORIZ. PLOT DATE: 10/31/2006
 DRAWN BY
 CHECKED BY
 BD400-04 (BD-22)
 REVISION DATE: 01/01/07

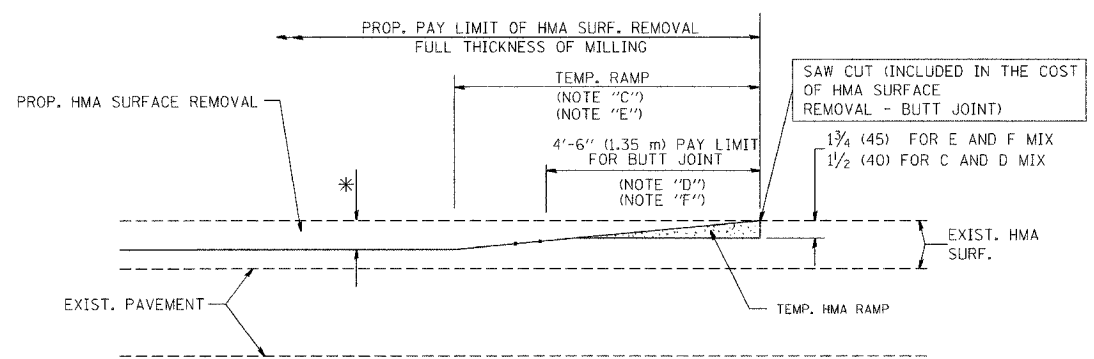
PLOT DATE = 10/31/2006
 FILE NAME = K:\data\10422.dgn
 PLOT SCALE = 1/1" = 1/1" IN.
 USER NAME = jgago

F.A.D. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711 N-1	DePage	54	45
STA.		TO STA.		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



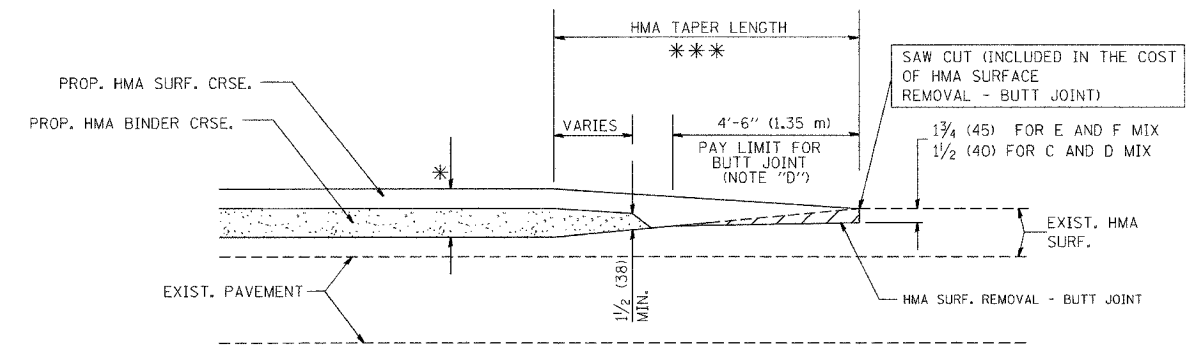
MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 1



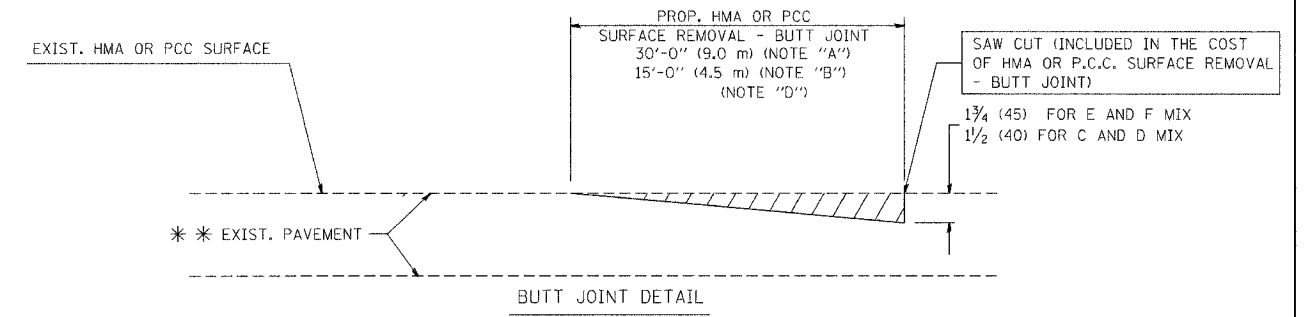
HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2
TYPICAL TEMPORARY RAMP

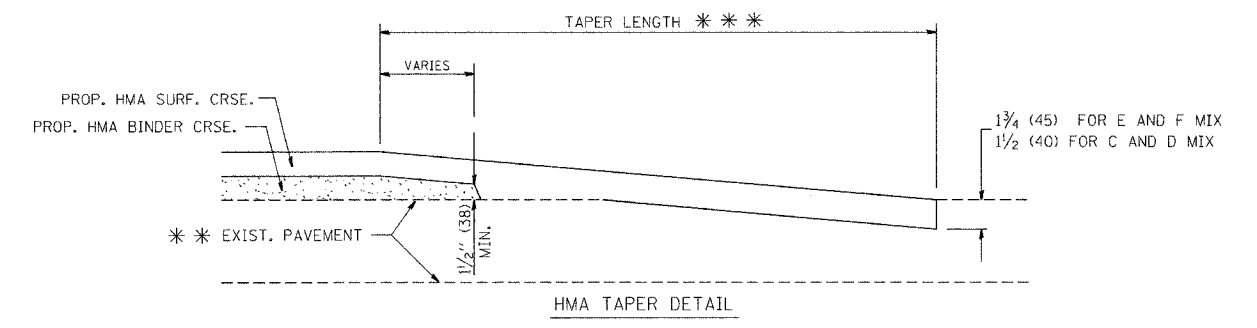


BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER
FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER
FOR RESURFACING ONLY

** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

NOTES

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

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

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".

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
R. BORO	01/01/07

ILLINOIS DEPARTMENT OF TRANSPORTATION

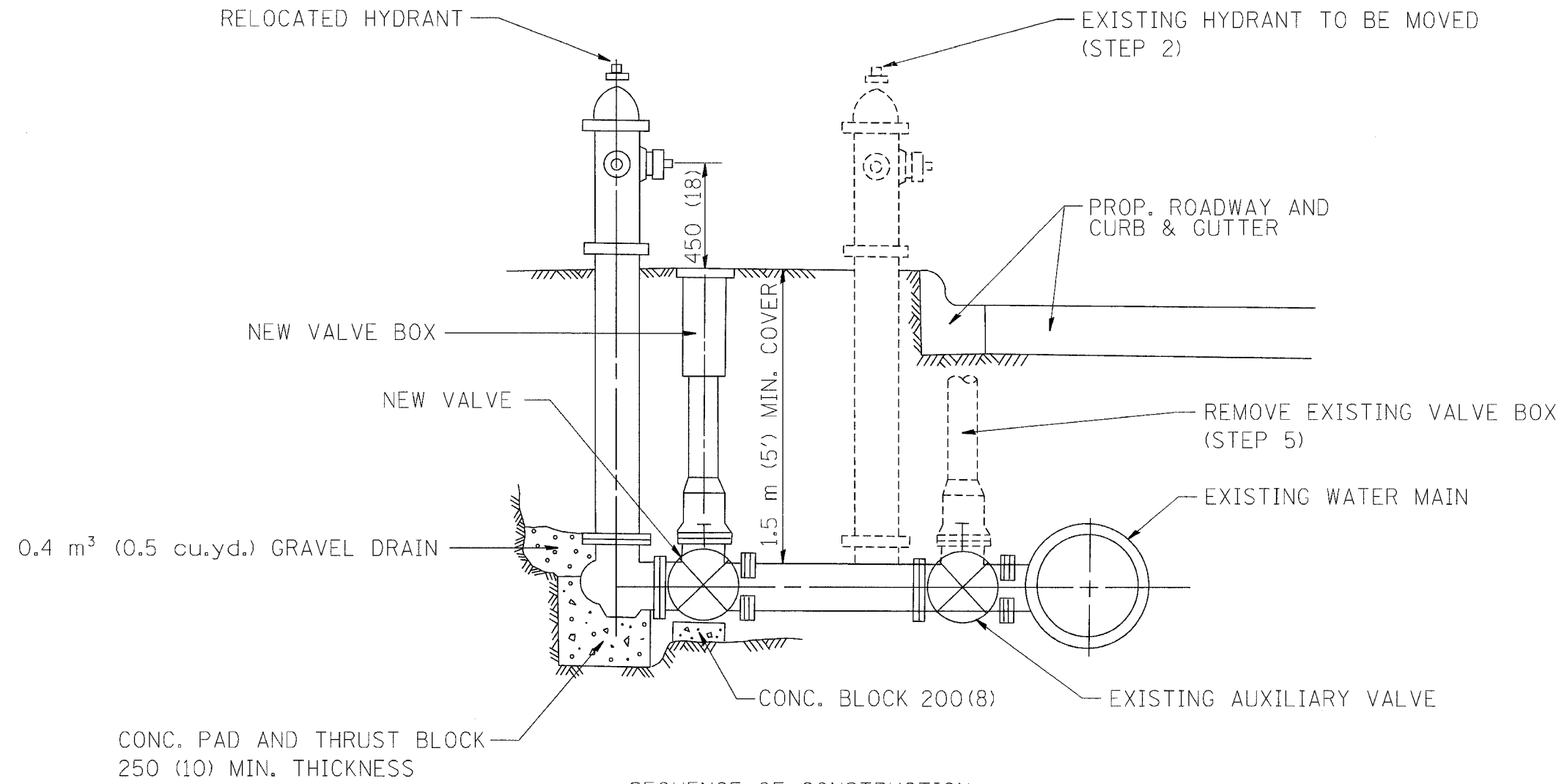
BUTT JOINT AND HMA TAPER
DETAILS

SCALE: VERT. NONE
HORIZ. 1" = 10'
PLOT DATE: 10/31/2006

DRAWN BY
CHECKED BY

BD400-05 (VI-BD32)
REVISION DATE: 01/01/07

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711 N-1	DuPage	54	46
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



SEQUENCE OF CONSTRUCTION:

1. CLOSE EXISTING VALVE.
2. REMOVE EXISTING HYDRANT.
3. INSTALL HYDRANT EXTENSION AND NEW VALVE.
4. RELOCATE EXISTING HYDRANT.
5. OPEN EXISTING VALVE, REMOVE BOX.
6. BACKFILL.
7. FLUSH AND TEST FOR CHLORIDE RESIDUAL AND PROVIDE TEST.

ALL WORK TO BE DONE IN ACCORDANCE WITH ARTICLE 564 OF THE STANDARD SPECIFICATIONS. NEW VALVE AND BOX SHALL BE SAME MAKE AND MODEL AS EXISTING.

FIRE HYDRANT TO BE MOVED

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

REVISIONS	
NAME	DATE
R. SHAH	09/09/94
R. SHAH	10/25/94

ILLINOIS DEPARTMENT OF TRANSPORTATION

FIRE HYDRANT TO BE MOVED

SCALE: VERT. HORIZ. DATE: 2/15/2006

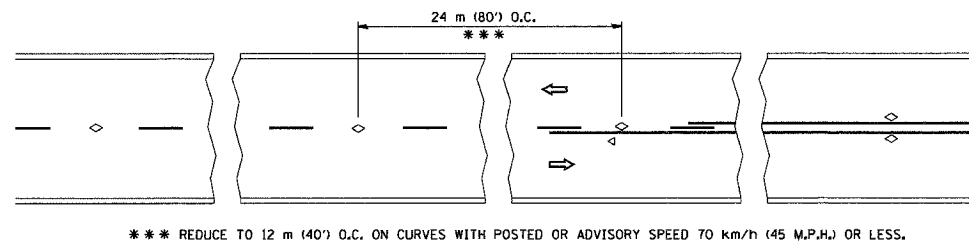
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BD500-03 (BD-36)

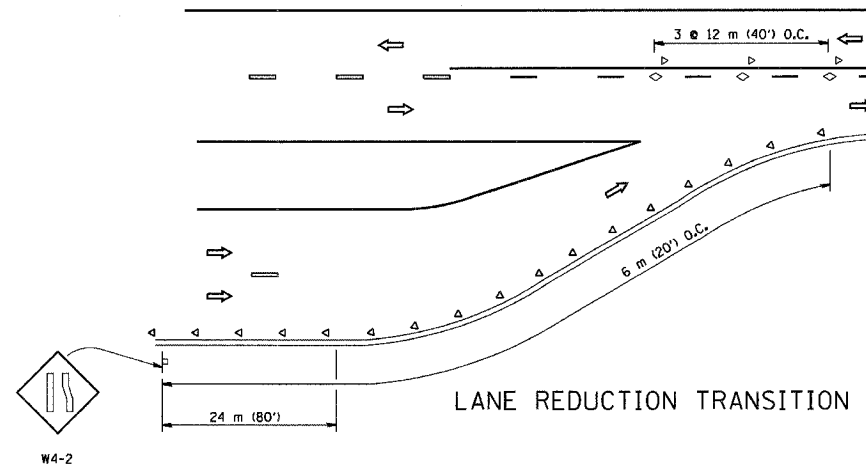
REVISION DATE: 10/25/94

PLOT DATE = 2/15/2006
 PLOT SCALE = 4:1
 USER NAME = gajlennet

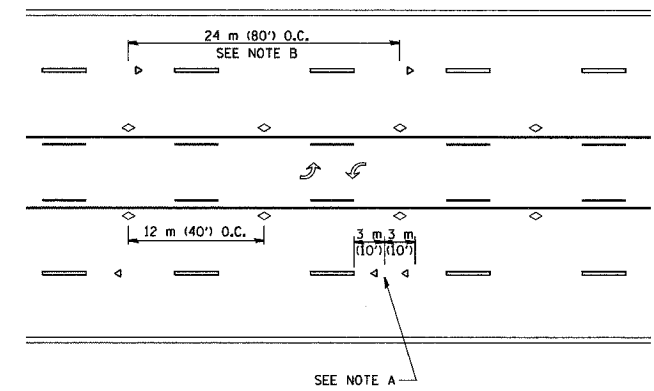
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711 N-1	DuPage	54	47
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



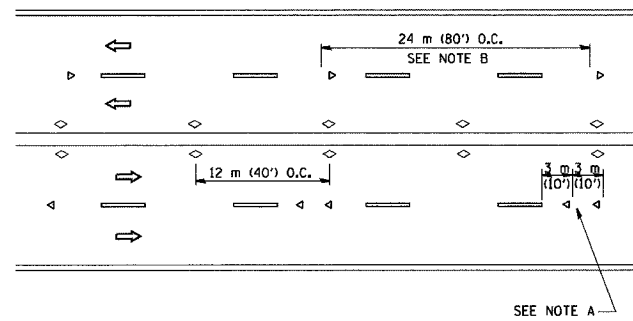
TWO-LANE/TWO-WAY



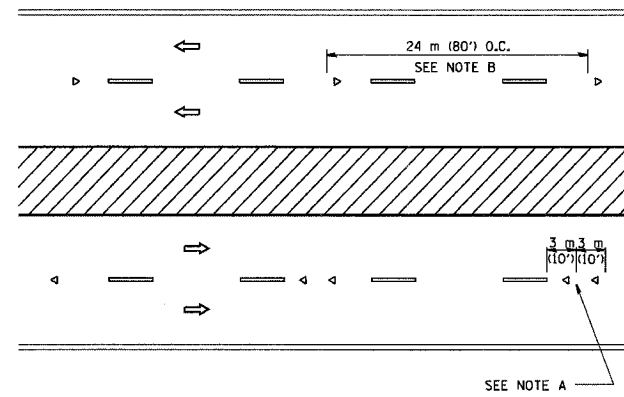
LANE REDUCTION TRANSITION



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

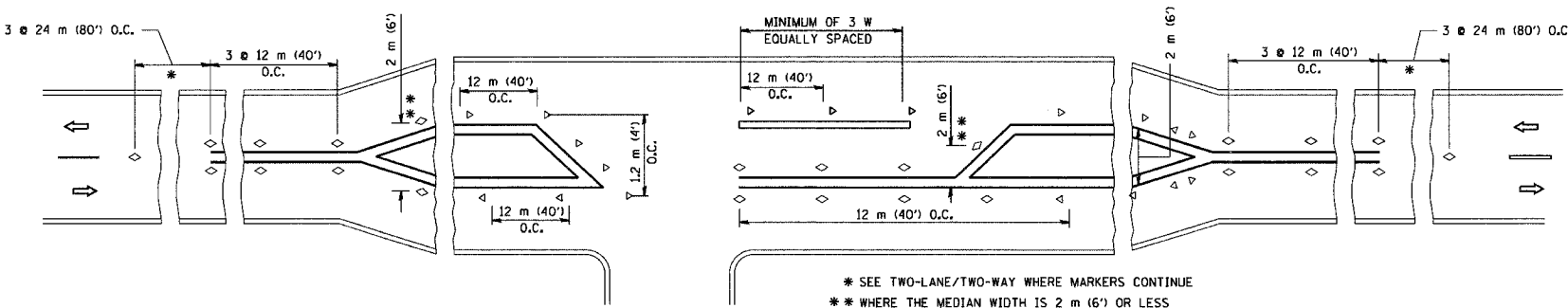
LANE MARKER NOTES

- 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.

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



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

LEFT TURN

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

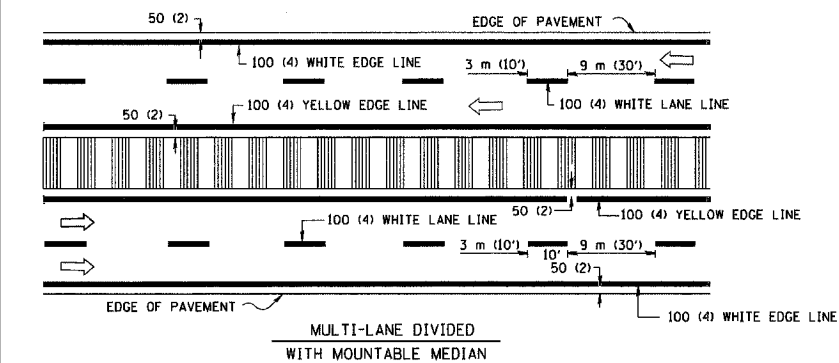
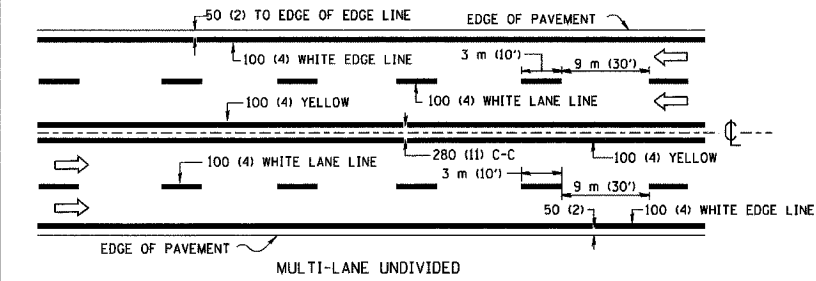
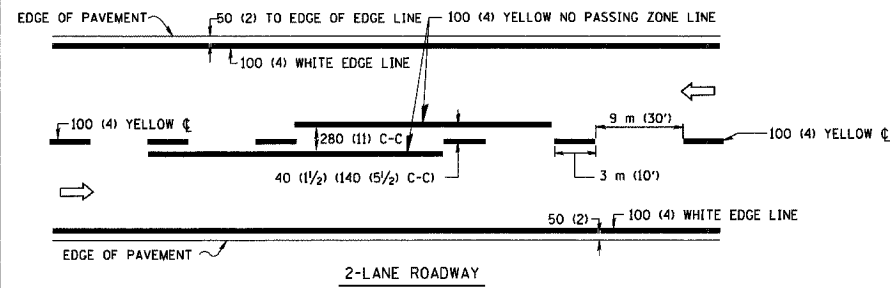
ILLINOIS DEPARTMENT OF TRANSPORTATION
 TYPICAL APPLICATIONS
 RAISED REFLECTIVE PAVEMENT
 MARKERS (SNOW-PLOW RESISTANT)

SCALE: NONE
 DATE: 2/15/2006

DRAWN BY CADD
 CHECKED BY

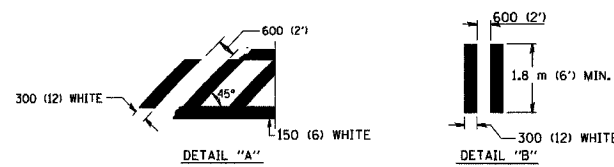
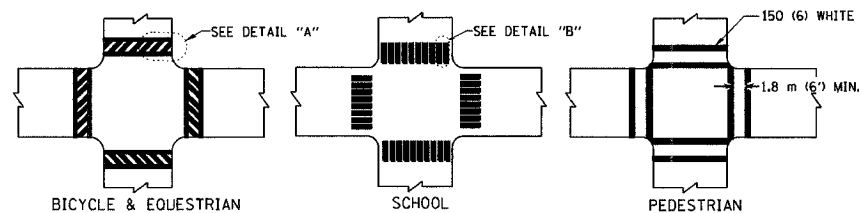
TC-11
 REVISION DATE: 01/06/00

F.A.17 RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711 N-1	DuPage	54	48
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

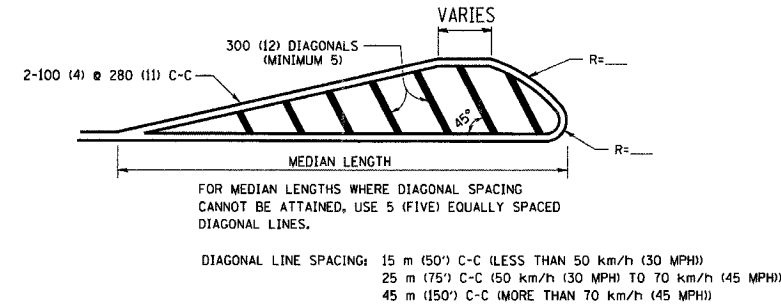
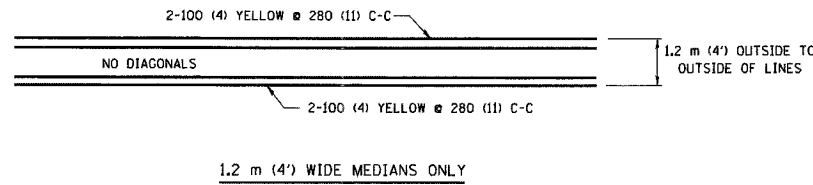


NOTE: MEDIANS WITH BARRIER CURBS DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING

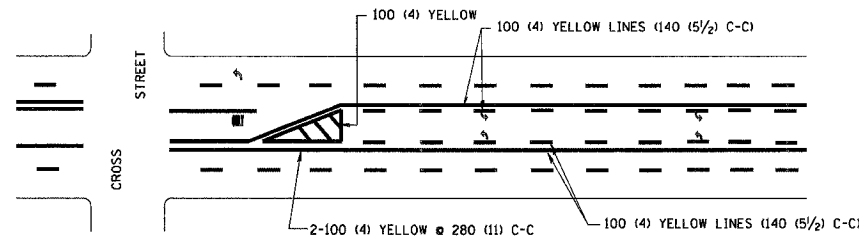


TYPICAL CROSSWALK MARKING

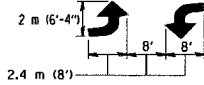


DIAGONAL LINE SPACING: 15 m (50') C-C (LESS THAN 50 km/h (30 MPH))
25 m (75') C-C (50 km/h (30 MPH) TO 70 km/h (45 MPH))
45 m (150') C-C (MORE THAN 70 km/h (45 MPH))

MEDIANS OVER 1.2 m (4') WIDE

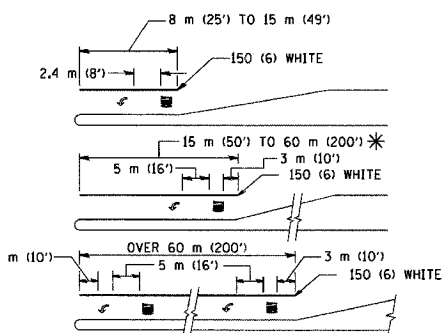


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 60 m (200') TO 90 m (300') INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

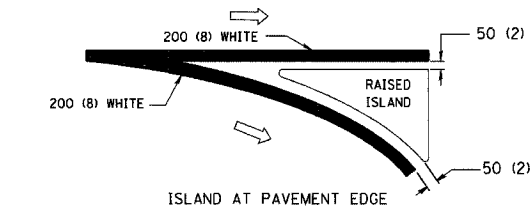
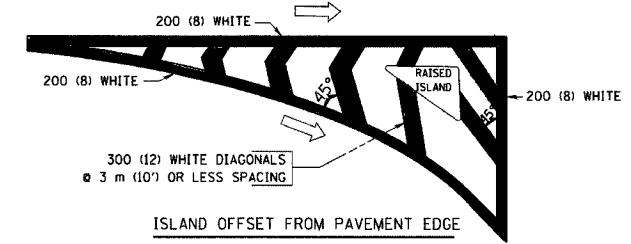


FULL SIZE LETTERS 2.4 m (8') AND ARROWS SHALL BE USED.
AREA = 1.5 m² (15.6 SQ. FT.) AREA = 1.9 m² (20.8 SQ. FT.)

* 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



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	100 (4)	SOLID	YELLOW	140 (5 1/2) C-C FROM SKIP-DASH CENTERLINE
FOR BOTH DIRECTIONS	2 @ 100 (4)	SOLID	YELLOW	280 (11) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	100 (4)	SKIP-DASH	WHITE	3 m (10') LINE WITH 9 m (30') SPACE
125 (5) ON FREEWAYS	125 (5)	SKIP-DASH	WHITE	
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	SKIP-DASH AND SOLID	YELLOW	3 m (10') LINE WITH 9 m (30') SPACE FOR SKIP-DASH; 140 (5 1/2) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE
	2.4 m (8') LEFT ARROW	IN PAIRS	WHITE	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 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°	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"=0.33m ² (3.6 SQ. FT.) EACH "X"=5.0 m ² (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. RAMMACH	10-27-94
ALEX HOUSEH	10-09-96
ALEX HOUSEH	10-17-96
T. RAMMACH	01-06-00

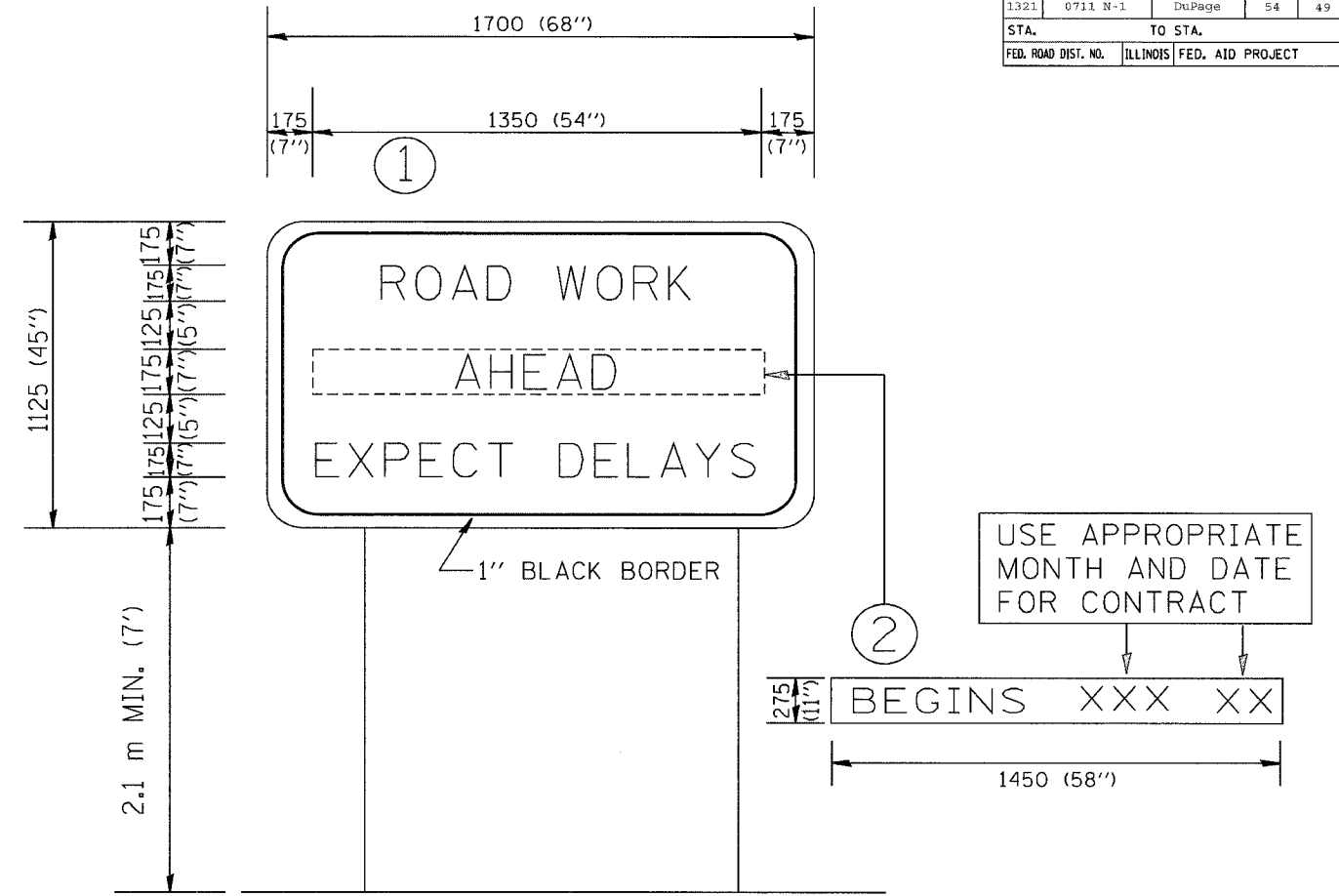
ILLINOIS DEPARTMENT OF TRANSPORTATION
DISTRICT ONE
TYPICAL PAVEMENT MARKINGS

SCALE: NONE
DATE: 2/15/2006

DRAWN BY CADD
CHECKED BY

TC-13
REVISION DATE: 01/05/00

F.A. ¹² RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711 N-1	DuPage	54	49
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



NOTES:

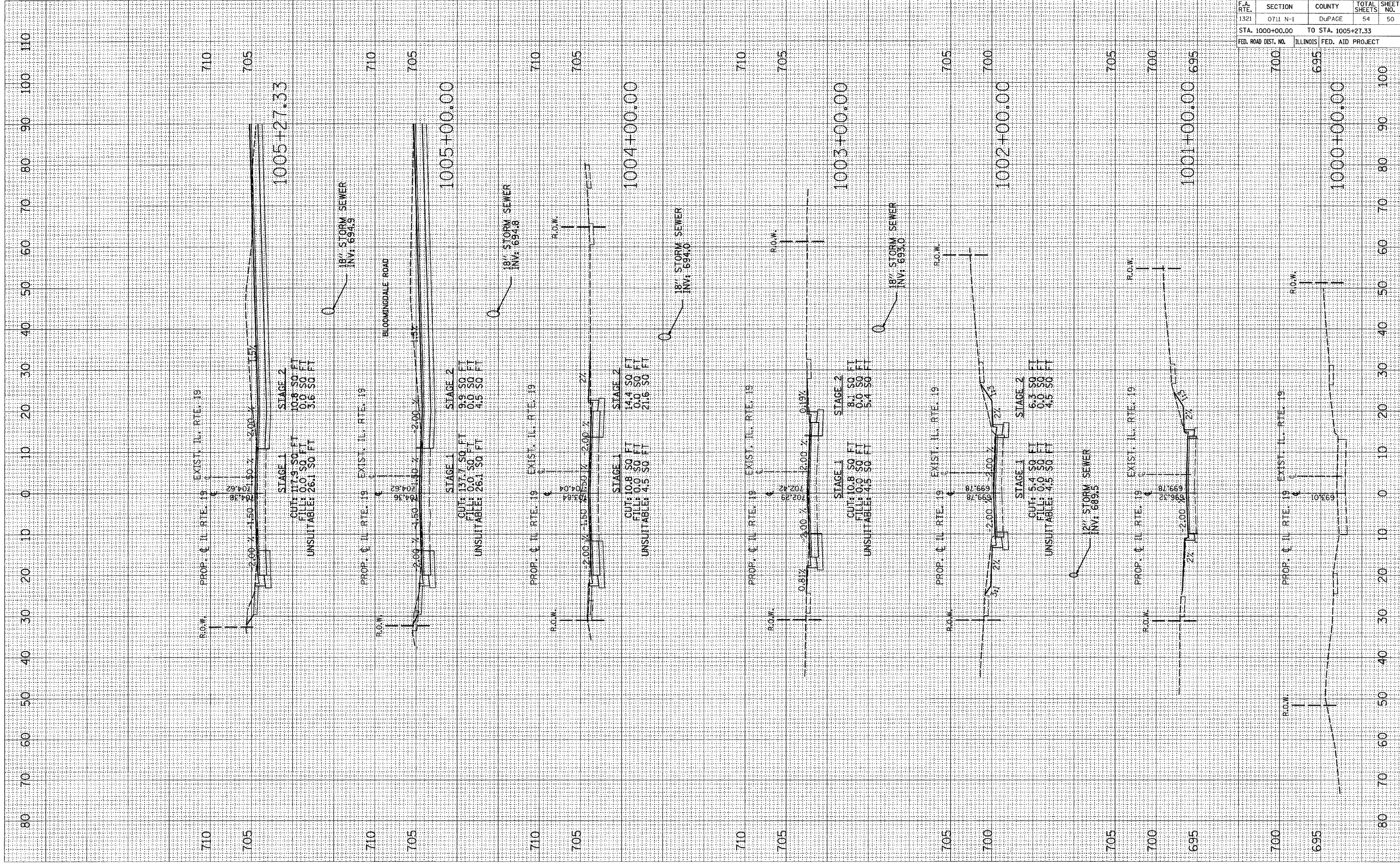
1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.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

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

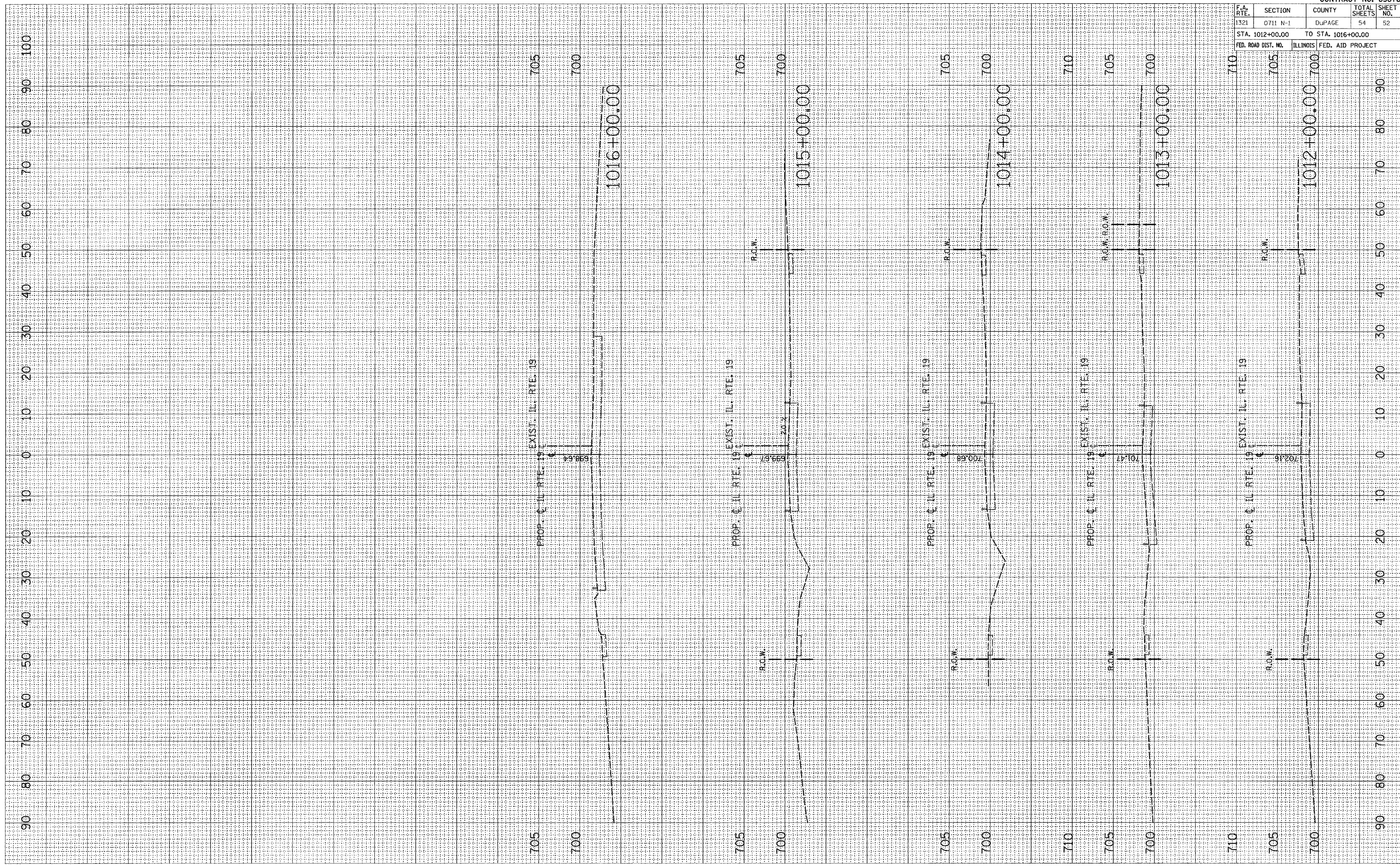
REVISIONS	
NAME	DATE
R. MIRS	9-15-97
R. MIRS	12-11-97
T. RAMMACHER	2-2-99

ILLINOIS DEPARTMENT OF TRANSPORTATION
 TEMPORARY INFORMATION SIGNING
 SCALE: DATE: 2/15/2006
 DRAWN BY DESIGN
 CHECKED BY
 TC22
 REVISION DATE: 02/02/99

PLOT DATE = 2/15/2006
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 USER NAME = spgllmndet

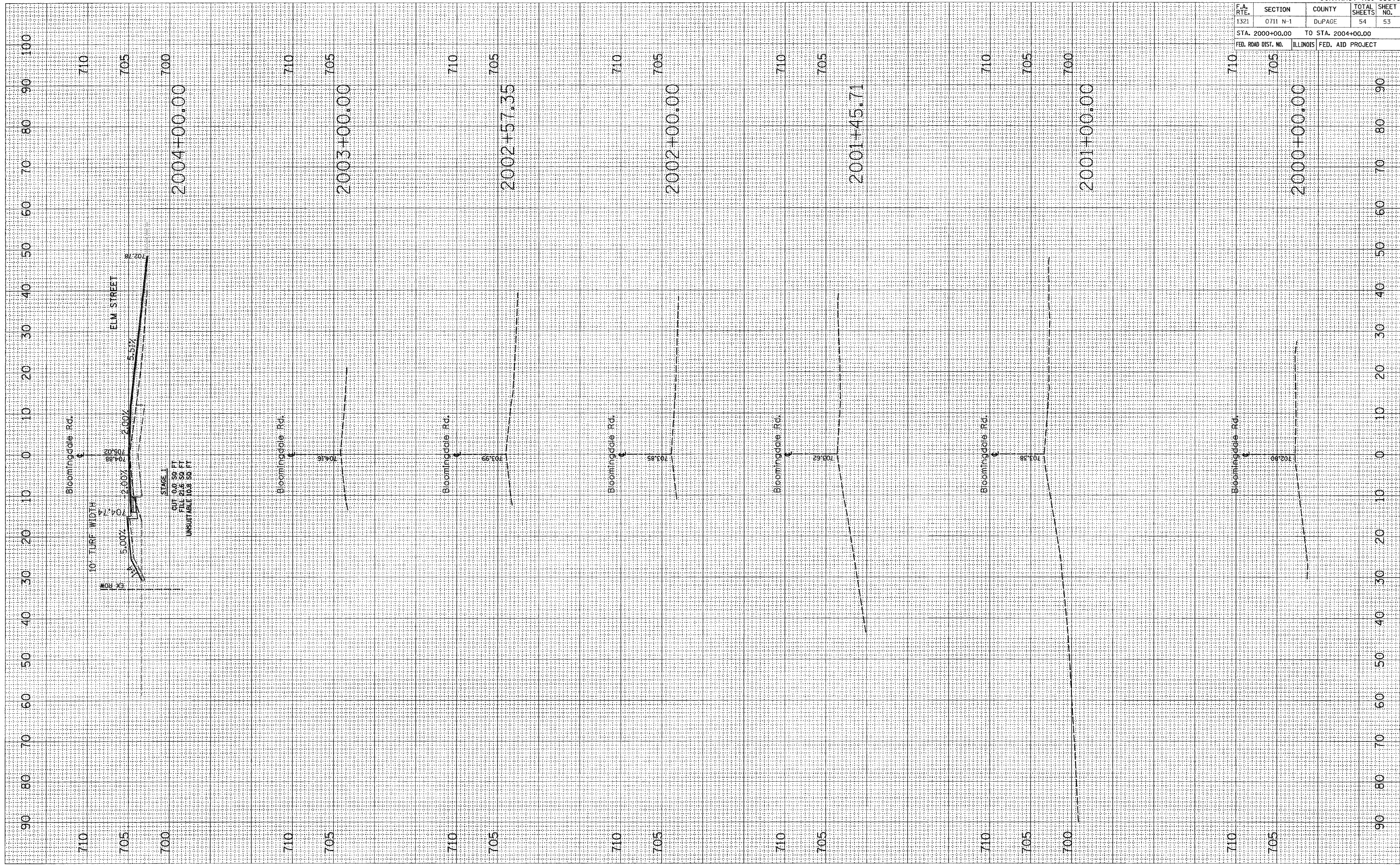


F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711 N-1	DUPAGE	54	50
STA. 1000+00.00		TO STA. 1005+27.33		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711 N-1	DuPAGE	54	52
STA. 1012+00.00 TO STA. 1016+00.00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PLOT DATE = 8/30/2006
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 PLOT BY = JUSER
 USER NAME = JUSER



CONTRACT NO. 83876				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1321	0711 N-1	DuPAGE	54	53
STA. 2000+00.00		TO STA. 2004+00.00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

