

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	06-00034-00-RP	KENDALL	37	1

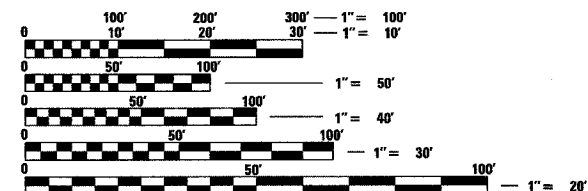
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HIGHWAY STANDARDS

280001-03	TEMPORARY EROSION CONTROL SYSTEMS
420001-06	PAVEMENT JOINTS
420101-03	7.2 m (24') JOINTED PCC PAVEMENT
482001-01	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
606001-03	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-03	PC CONCRETE ISLANDS AND MEDIANS
666001	RIGHT-OF-WAY MARKERS
701001-01	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 4.5 m (15') AWAY
701006-02	OFF-ROAD OPERATIONS, 2L, 2W, 4.5 m (15') TO 600 mm (24") FROM PAVEMENT EDGE
701201-02	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS \geq 45 MPH
701301-02	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-01	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS \geq 45 MPH
701311-02	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701326-02	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS \geq 45 MPH
702001-06	TRAFFIC CONTROL DEVICES
720001	SIGN PANEL MOUNTING DETAILS
720006-01	SIGN PANEL ERECTION DETAILS
720016-01	MAST ARM MOUNTED STREET NAME SIGNS
780001-01	TYPICAL PAVEMENT MARKINGS
805001	ELECTRICAL SERVICE INSTALLATION DETAILS
814001-01	HANDHOLES
814006-01	DOUBLE HANDHOLES
857001	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001	UNINTERRUPTIBLE POWER SUPPLY (UPS)
873001-01	TRAFFIC SIGNAL GROUNDING & BONDING
876001	PEDESTRIAN PUSH BUTTON POST
877001-02	STEEL MAST ARM ASSEMBLY AND POLE
877011-02	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE
878001-05	CONCRETE FOUNDATION DETAILS
880006	TRAFFIC SIGNAL MOUNTING DETAILS
886001	DETECTOR LOOP INSTALLATIONS
886006	TYPICAL LAYOUT FOR DETECTION LOOPS
000001-04	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

MICROFILMED _____
 REEL NUMBER _____
 AWARDED _____
 RESIDENT ENGINEER _____
 AS BUILT CHANGES WERE MADE
 ON THE FOLLOWING SHEETS _____



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

DISTRICT 3 NO. (815) 434-6131

PROJECT ENGINEER: DAVE BROVIK
 UNIT CHIEF: MARK JONES
 TOWNSHIP: LITTLE ROCK

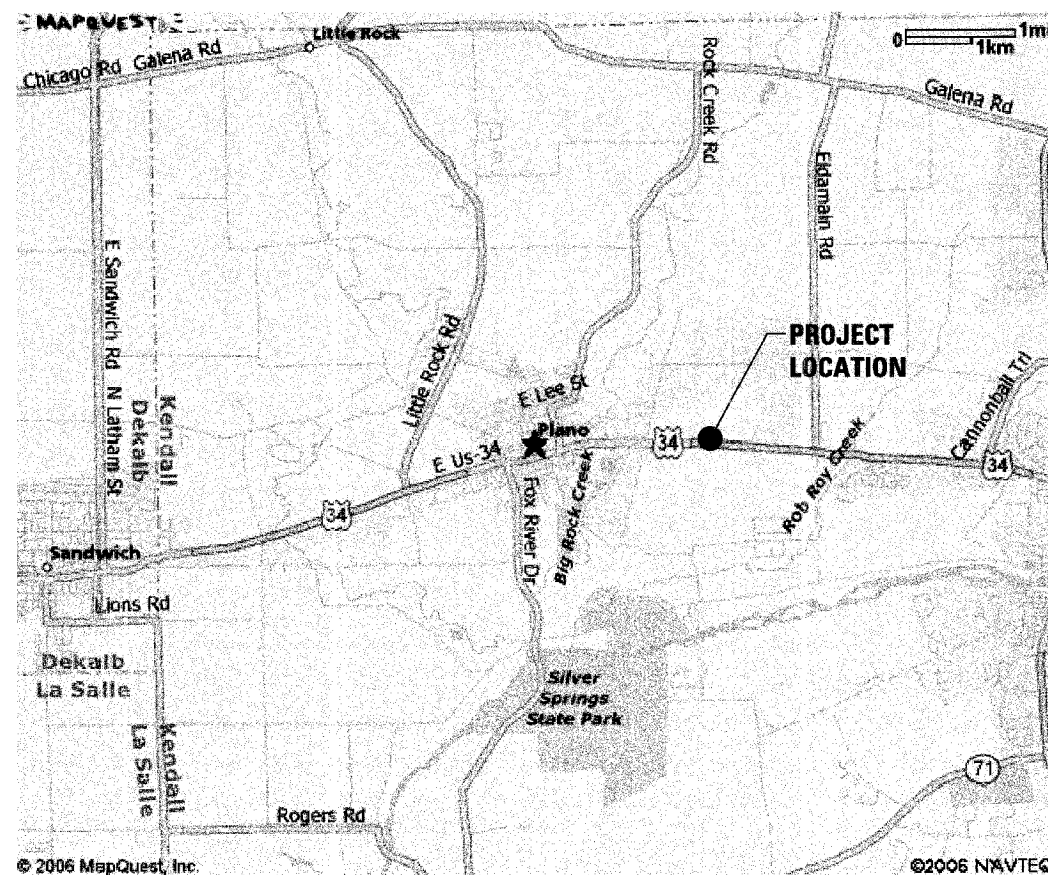
CONTRACT NO. 87332

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

PLANS FOR PROPOSED FEDERAL TRANSPORTATION COMMUNITY & SYSTEM PRESERVATION PROGRAM

CITY OF PLANO
 FAP 591 (US 34)
 SECTION 06-00034-00-RP
 PROJECT TCSP-06IL (001)
 KENDALL COUNTY
 C-93-007-07

INTERSECTION CONSTRUCTION AT WAUBONSEE DRIVE
 1 MILE WEST OF ELDAMIAN ROAD



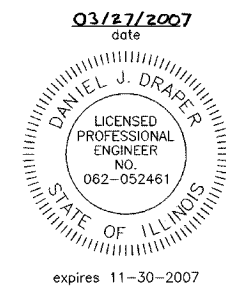
LOCATION MAP

GROSS LENGTH OF IMPROVEMENT 980 FEET (0.19 MILES)
 NET LENGTH OF IMPROVEMENT 980 FEET (0.19 MILES)



FAP 591(US 34) - URBAN MINOR ARTERIAL
 15,100 ADT (2007) - 8% TRUCKS

WAUBONSEE DRIVE - LOCAL ROAD
 2,200 ADT (2007) - 2% TRUCKS



signature
 PROFESSIONAL DESIGN FIRM
 LICENSE NO. 184-001717

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS	
APPROVED	3-28 20 07
CITY OF PLANO, MAYOR	
PASSED	03-29 20 07
DISTRICT 3 ENGINEER OF LOCAL ROADS & STREETS	
RELEASED FOR BID BASED ON LIMITED REVIEW	03-29 20 07
DEPUTY DIRECTOR OF HIGHWAYS, REGION 2 ENGINEER	

PRINTED BY THE AUTHORITY
 OF THE STATE OF ILLINOIS

CHAMLIN ASSOCIATES
 PERU ILLINOIS MORRIS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	06-00034-00-RP	KENDALL	37	2
STA.		TO STA.		
FED. ROAD DIST. NO. -		ILLINOIS FED. AID PROJECT		

GENERAL NOTES

THE THICKNESS OF HMA SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA IS PLACED.

THE BASE COURSE WIDENING SHALL BE CARRIED THROUGH ALL ENTRANCES, SIDE ROADS, AND MAILBOX TURNOUTS. EXCEPTIONS WILL BE SHOWN ON THE PLANS.

EXCEPT AS NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT SURFACES.

THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS HMA LIFTS.

FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.

SEEDING SHALL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDED WILL BE DETERMINED BY THE ENGINEER.

ONLY THOSE TREES DESIGNATED BY THE ENGINEER OR LISTED IN THE TREE REMOVAL SCHEDULE SHALL BE REMOVED. THE CONTRACTOR SHALL PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO HIS OPERATIONS.

ALL ELEVATIONS REFERRING TO U.S.G.S. MEAN SEA LEVEL DATUM.

ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS INCLUDED IN THESE PLANS.

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS	2.05	TONS / CU YD
BITUMINOUS MAT PRIME COAT	0.08	GAL / SQ YD OR
	0.375	GAL / SQ YD
AGGREGATE PRIME COAT	0.002	TONS / SQ YD
HMA RESURFACING	112	LBS / SQ YD / IN
SHORT TERM PAVEMENT MARKING	10	FT / 100 FT OF APPLICATION
MIX FOR CRACKS, JTS & FLGWYS	0.0003	TONS / SQ YD
LEVEL BINDER (HAND METHOD)	0.0005	TONS / SQ YD
SUPPLEMENTAL WATERING	3	GAL / SQ YD / APPLICATION
CALCIUM CHLORIDE	2	LB / SQ YD / APPLICATION

THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE PRESENCE OF DEPARTMENT-OWNED UNDERGROUND ELECTRICAL CABLE WITHIN THE LIMITS OF THE PROPOSED IMPROVEMENT. THE CONTRACTOR SHALL REQUEST THE ILLINOIS DEPARTMENT OF TRANSPORTATION IN OTTAWA (815-434-8417) TO LOCATE THE UNDERGROUND FACILITIES, PROVIDING A MINIMUM OF 72 HOURS NOTICE. THE DEPARTMENT IS NOT A MEMBER OF THE JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS (JULIE) SYSTEM.

ALL DAMAGE TO DEPARTMENT OWNED UNDERGROUND FACILITIES, CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF THE DEPARTMENT AT THE CONTRACTOR'S EXPENSE. THIS SHALL INCLUDE ALL TEMPORARY REPAIRS REQUIRED TO KEEP THE FACILITY OPERATIONAL WHILE MATERIAL IS BEING OBTAINED TO MAKE PERMANENT REPAIRS. SPLICING OF ELECTRIC CABLE SHALL NOT BE ALLOWED. ELECTRIC CABLE SHALL BE REPLACED FROM POLE TO POLE OR CONTROLLER.

MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE:

NICOR GAS

AT&T

COMED

COMCAST

NON-MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE:

ILLINOIS DEPARTMENT OF TRANSPORTATION

MIXTURE USE(S):	HMA SURFACE	BASE COURSE WIDENING	HMA SHOULDERS
PG GRADE	PG 64-22	PG 58-22	PG 58-22
MAX % RAP ALLOWABLE**	10%	25%	50%
DESIGN AIR VOIDS	4% @ N70	4% @ N50	2% @ N50
MIXTURE COMPOSITION	IL 12.5 OR IL 9.5	IL 19.0	BAM
FRICTION AGGREGATE	MIXTURE D		
DENSITY TEST METHOD	CORES/ NUCLEAR	*	

* MATERIAL SHALL BE COMPACTED TO 93.0-97.4 PERCENT OF THE MAXIMUM THEORETICAL DENSITY, EXCEPT THAT WHEN PLACED AS FIRST LIFT ON AN UNIMPROVED SUBGRADE THE MINIMUM PERCENT COMPACTION SHALL BE 92.0 PERCENT. THE MAXIMUM THERORETICAL DENSITY SHALL BE DETERMINED FROM THE MOVING AVERAGE AS SPECIFIED IN THE QC/QA SPECIFICATION.
** IF RAP OPTION IS SELECTED, THE ASPHALT CEMENT GRADE MAY NEED TO BE ADJUSTED. THIS WILL BE DETERMINED BY THE ENGINEER.

REFER TO THE SCHEDULES OF QUANTITIES AND PLAN & PROFILE SHEETS FOR LOCATIONS OF EROSION CONTROL ITEMS.

COMMITMENTS:

NONE

FLEXIBLE PAVEMENT STRUCTURAL DESIGN INFORMATION

STRUCTURAL DESIGN TRAFFIC: YEAR 2012

PV = 14,742 SU = 729 MU = 729

ROAD/STREET CLASSIFICATION CLASS I

PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:

P = 50% S = 50% M = 50%

TRAFFIC FACTOR: ACTUAL TF = 2.25 AC TYPE = AC20

MINIMUM TF = 2.37

PG GRADE: BINDER = PG 58-22 SURFACE = PG 64-22

SUBGRADE SUPPORT RATING:

SSR = POOR

RIGID PAVEMENT STRUCTURAL PAVEMENT DESIGN INFORMATION

STRUCTURAL DESIGN TRAFFIC: YEAR 2015

PV = 17,870 SU = 1,455 MU = 1,455

ROAD/STREET CLASSIFICATION CLASS I

PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:

P = 32% S = 45% M = 45%

TRAFFIC FACTOR: ACTUAL TF = 11.02 AC TYPE = --

MINIMUM TF = 6.03

PG GRADE: BINDER = -- SURFACE = --

SUBGRADE SUPPORT RATING:

SSR = POOR

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
GENERAL NOTES
FAP 591 (US 34)
AND WAUBONSEE DRIVE
SECTION 06-00034-00-RP
KENDALL COUNTY

SCALE: VERT.
HORIZ.
DATE: 02/07

DRAWN BY: NOE/NV
CHECKED BY: DJD

PLOT DATE = #DATE#
 PLOT NAME = #NAME#
 PLOT SCALE = #SCALE#
 USER NAME = #USER#

CODE NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	60
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	108
20200100	EARTH EXCAVATION	CU YD	2282
○ 20400800	FURNISHED EXCAVATION	CU YD	1004
21101505	TOPSOIL EXCAVATION & PLACEMENT	CU YD	501
○ 25000210	SEEDING, CLASS 2A	ACRE	0.9
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	81
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	81
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	81
○ 25100115	MULCH, METHOD 2	ACRE	0.9
25100630	EROSION CONTROL BLANKET	SQ YD	28
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	90
28000300	TEMPORARY DITCH CHECKS	EACH	7
28000400	PERIMETER EROSION BARRIER	FOOT	947
28000500	INLET AND PIPE PROTECTION	EACH	1
31100910	SUB-BASE GRANULAR MATERIAL, TYPE A 12"	SQ YD	4250
○ 35600716	HOT-MIX ASPHALT BASE COURSE WIDENING, 10"	SQ YD	812
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	589
40600300	AGGREGATE (PRIME COAT)	TON	7
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	501
40600990	TEMPORARY RAMP	SQ YD	26
○ 40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	323
○ 42000501	PORTLAND CEMENT CONCRETE PAVEMENT 10" (JOINTED)	SQ YD	2927
44004250	PAVED SHOULDER REMOVAL	SQ YD	544
○ 48101200	AGGREGATE SHOULDERS, TYPE B	TON	233
○ 48203023	HOT-MIX ASPHALT SHOULDERS, 6 1/2"	SQ YD	214
○ 48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	47
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	132
○ 60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	317
○ 60623714	CONCRETE MEDIAN (SPECIAL)	SQ FT	193
66600105	FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	EACH	13
○ 67100100	MOBILIZATION	L SUM	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1
○ 70106800	CHANGEABLE MESSAGE SIGN	CAL MO	2
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	343
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	94
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	5765
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	427
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	558
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	562
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	131

CODE NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	3540
72000100	SIGN PANEL - TYPE 1	SQ FT	36.5
72000200	SIGN PANEL - TYPE 2	SQ FT	39
73000100	WOOD SIGN SUPPORT	FOOT	16
△ ○ 78008300	POLYUREA PAVEMENT MARKING TYPE II - LETTERS & SYMBOLS	SQ FT	94
△ ○ 78008310	POLYUREA PAVEMENT MARKING TYPE II - LINE 4"	FOOT	5765
△ ○ 78008330	POLYUREA PAVEMENT MARKING TYPE II - LINE 6"	FOOT	427
△ ○ 78008340	POLYUREA PAVEMENT MARKING TYPE II - LINE 8"	FOOT	558
△ ○ 78008350	POLYUREA PAVEMENT MARKING TYPE II - LINE 12"	FOOT	562
△ ○ 78008370	POLYUREA PAVEMENT MARKING TYPE II - LINE 24"	FOOT	131
△ ○ 80500200	SERVICE INSTALLATION, TYPE B	EACH	1
△ 81012300	CONDUIT IN TRENCH, 1" DIA., PVC	FOOT	244
△ 81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	986
△ 81012700	CONDUIT IN TRENCH, 2 1/2" DIA., PVC	FOOT	125
△ 81013000	CONDUIT IN TRENCH, 4" DIA., PVC	FOOT	10
△ ○ 81021330	CONDUIT PUSHED, 2" DIA., PVC	FOOT	99
△ ○ 81021350	CONDUIT PUSHED, 3" DIA., PVC	FOOT	144
△ ○ 81021370	CONDUIT PUSHED, 4" DIA., PVC	FOOT	256
△ ○ 81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	8
△ ○ 81400720	DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1
△ 81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	2265
△ 81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1245
△ 82102400	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	4
△ 82500510	LIGHTING CONTROLLER TYPE CB-RCS 60 AMP-240 VOLT	EACH	1
△ ○ 85700205	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
△ ○ 86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
△ 86400100	TRANSCEIVER - FIBER OPTIC	EACH	1
△ 87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	768
△ 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	796
△ 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1738
△ 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1644
△ 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2275
△ 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	25
△ 87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
△ 87702980	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 50 FT.	EACH	1
△ 87703000	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 55 FT.	EACH	3
△ 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	6
△ 87800150	CONCRETE FOUNDATION, TYPE C	FOOT	3.5
△ 87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	60
△ 87900200	DRILL EXISTING HANDHOLE	EACH	1
△ 88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	6

△ SPECIALTY ITEMS
 ○ SEE SPECIAL PROVISIONS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

FAP 591 (US 34)

AND WAUBONSEE DRIVE

SECTION 06-00034-00-RP

KENDALL COUNTY

SCALE: VERT.
HORIZ.
DATE: 02/07

DRAWN BY: NOE/NV
CHECKED BY: DJD

CONTRACT NO. 87332				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	06-00034-00-RP	KENDALL	37	3
STA.		TO STA.		
FED. ROAD DIST. NO. _		ILLINOIS FED. AID PROJECT		

PLOT DATE = #DATE#
FILE NAME = #FILE#
PLOT SCALE = #SCALE#
USER NAME = #USER#

CODE NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
△ 88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	3
△ 88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	4
△ 88102810	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED	EACH	4
△ 88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	13
△ ○ 88500100	INDUCTIVE LOOP DETECTOR	EACH	9
△ 88600100	DETECTOR LOOP, TYPE I	FOOT	942
△ 88700200	LIGHT DETECTOR	EACH	4
△ 88700300	LIGHT DETECTOR AMPLIFIER	EACH	4
△ ○ 88800100	PEDESTRIAN PUSH-BUTTON	EACH	4
△ ○ 89502200	MODIFY EXISTING CONTROLLER	EACH	3
△ X0322925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	1538
△ X8710020	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	1538
△ X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	599
△ X8730250	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	1008
△ XX002852	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1
○ Z0013798	CONSTRUCTION LAYOUT	L SUM	1

- △ SPECIALTY ITEMS
○ SEE SPECIAL PROVISIONS

CONTRACT NO. 87332				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	06-00034-00-RP	KENDALL	37	4
STA.		TO STA.		
FED. ROAD DIST. NO. -		ILLINOIS	FED. AID PROJECT	

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION	
SUMMARY OF QUANTITIES	
FAP 591 (US 34)	
AND WAUBONSEE DRIVE	
SECTION 06-00034-00-RP	
KENDALL COUNTY	
SCALE: VERT. HORIZ.	DRAWN BY: NOE/NV
DATE: 02/07	CHECKED BY: DJD

TREE REMOVAL SCHEDULE		
LOCATION	6 TO 15 UNITS DIAMETER	OVER 15 UNITS DIAMETER
	UNIT	UNIT
STA. 63+57.0, 41.0' RT.		24
STA. 64+03.1, 53.0' RT.		24
STA. 64+24.4, 59.0' RT.		24
STA. 64+39.4, 63.4' RT.	12	
STA. 64+39.8, 72.6' RT.	9	
STA. 64+40.3, 45.4' RT.	12	
STA. 64+66.4, 60.7' RT.	15	
STA. 64+71.4, 79.0' RT.		36
STA. 64+87.9, 48.3' RT.	12	
TOTAL	60	108

TEMPORARY EROSION CONTROL SEEDING	
LOCATION	POUND
STA. 59+62.0 TO STA. 64+87.4, LT.	30
STA. 59+62.0 TO STA. 64+74.2, RT.	30
STA. 65+37.3 TO STA. 69+42.0, RT.	15
STA. 65+48.8 TO STA. 69+42.0, LT.	15
TOTAL	90

EROSION CONTROL BLANKET	
LOCATION	SQ YD
STA. 59+97.8, 38' RT.	14
STA. 59+98.0, 39' LT.	14
TOTAL	28

PERIMETER EROSION BARRIER	
LOCATION	FOOT
STA. 59+62.0 TO STA. 64+62.6	541.5
STA. 65+71.6 TO STA .69+42.0	405.5
TOTAL	947

EARTHWORK QUANTITIES													
LOCATION	THEORETICAL		THEORETICAL TOPSOIL SOURCES		TOPSOIL REQUIRED		ADJUSTED EARTH			SHORTAGE (-) OR EXCESS (+)	FURNISHING AND PLACING TOPSOIL (THICKNESS 4")	TOPSOIL EXCAVATION & PLACEMENT (ASSUME 12" EXCAVATION)	REMARKS
	CUT	FILL	IN CUT	IN FILL	IN CUT	IN FILL	EARTH EXCAVATION CUT	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT FILL				
	(C.Y.)	(C.Y.)	(C.Y.)	(C.Y.)	(C.Y.)	(C.Y.)							
							(A)-(C)+(E)	G(0.75)	(B)+(D)-(F)	(H) - (I)	[(E)+(F)] ³⁶ THK.	(E)+(F)	
	(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)	(K)	(L)	
U.S. RTE. 34	2025	1568	1092	472	206	278	1139	854	1762	-908	1936	484	
WAUBONSEE DRIVE	104	112	46	43	8	9	66	50	146	-96	68	17	
SUB-TOTAL													
EXCESS TOPSOIL MATERIAL UNSUITABLE FOR EMBANKMENT (C+D)-(L)(1.15)							1077						
TOTAL	2129	1680	1138	515	214	287	2282	904	1908	-1004	2004	501	
							PAY ITEM				PAY ITEM		
										FURNISHED EXCAVATION			

SEEDING SCHEDULE					
LOCATION	SEEDING, CLASS 2A	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	MULCH, METHOD 2
	ACRE	POUND	POUND	POUND	ACRE
STA. 59+62.0 TO STA. 64+87.4, LT.	0.3	27	27	27	0.3
STA. 59+62.0 TO STA. 64+74.2, RT.	0.3	27	27	27	0.3
STA. 65+37.3 TO STA. 69+42.0, RT.	0.15	13.5	13.5	13.5	0.15
STA. 65+48.8 TO STA. 69+42.0, LT.	0.15	13.5	13.5	13.5	0.15
TOTAL	0.9	81	81	81	0.9

TEMPORARY DITCH CHECKS	
LOCATION	EACH
STA. 61+00, RT.	1
STA. 62+00, RT.	1
STA. 63+00, RT.	1
STA. 64+00, RT.	1
STA. 67+00, RT.	1
STA. 68+00, RT.	1
STA. 69+00, RT.	1
TOTAL	7

INLET AND PIPE PROTECTION	
LOCATION	EACH
STA. 59+97.8, 38' RT.	1
TOTAL	1

REVISIONS	
NAME	DATE

PLOT DATE = #DATE#
FILE NAME = #FILE#
PLOT SCALE = #SCALE#
USER NAME = #USER#

SCHEDULE OF PAVEMENT QUANTITIES												
LOCATION	SUBBASE GRANULAR MATERIAL, TY. A, 12"	HMA BASE COURSE WIDENING, 10"	BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)	HMA SURFACE REMOVAL-BUTT JOINT	TEMPORARY RAMP	HMA SURFACE COURSE, MIX "D", N70	PORTLAND CEMENT CONCRETE PAVEMENT, 10" (JOINTED)	PAVED SHOULDER REMOVAL	AGGREGATE SHOULDERS, TYPE B	HMA SHOULDERS, 6 1/2"	HMA SHOULDERS, 8"
	SQ YD	SQ YD	GALLON	TON	SQ YD	SQ YD	TON	SQ YD	SQ YD	TON	SQ YD	SQ YD
STA. 59+62 TO STA. 69+42	4250		589	7		26	323		544			
STA. 59+62 TO STA. 60+22					206							
STA. 59+62 TO STA. 64+17.2, RT.		202								86		
STA. 59+62 TO STA. 64+30.8, LT.		390.5								89	157	
STA. 61+31 TO STA. 61+85, LT.												
STA. 64+17.2 TO STA. 65+94.8, RT.								1065				
STA. 64+30.8 TO STA. 67+64.5, LT.								1862				
STA. 64+61.4 TO STA. 64+77.2, RT.												7
STA. 64+79.8 TO STA. 64+90.4, LT.												16
STA. 65+34.3 TO STA. 65+43.4, RT.												7
STA. 65+45.8 TO STA. 65+63.7, LT.												17
STA. 65+94.8 TO STA. 68+97.8, RT.										58		
STA. 65+94.7 TO STA. 69+42, RT.		139.5										
STA. 67+64.5 TO STA. 68+92.8, LT.											57	
STA. 67+64.6 TO STA. 69+42, LT.		80										
STA. 68+82.0 TO STA. 69+42.0					295							
TOTAL	4250	812	589	7	501	26	323	2927	544	233	214	47

COMB. CONCRETE CURB AND GUTTER, B-6.12	
LOCATION	FOOT
STA. 65+03.0 TO STA. 65+09.1, RT.	38
STA. 65+15.1 TO STA. 65+21.1, LT.	94
TOTAL	132

MEDIAN SCHEDULE		
LOCATION	CONCRETE MEDIAN SURFACE, 4"	CONCRETE MEDIAN (SPECIAL)
	SQ FT	SQ FT
STA. 65+03.6 TO STA. 65+08.5, RT.	91	106.5
STA. 65+15.7 TO STA. 65+20.5, LT.	226	86.5
TOTAL	317	193

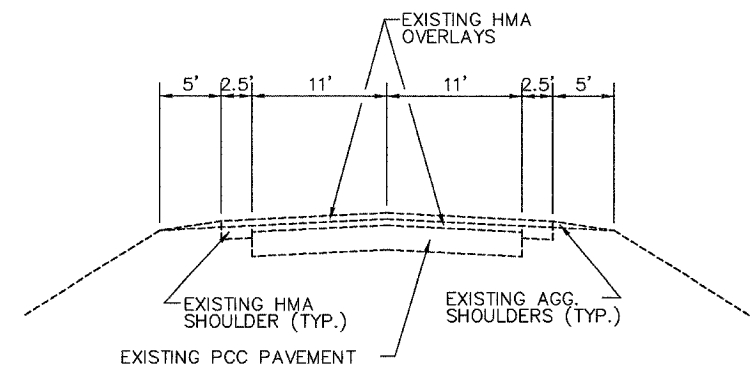
FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	
LOCATION	EACH
STA. 60+37.70, 115' LT.	1
STA. 60+40.34, 50' LT.	1
STA. 60+44.50, 50' RT.	1
STA. 60+46.57, 100' RT.	1
STA. 65+75, 115' LT.	1
STA. 66+00, 100' RT.	1
STA. 66+25, 85' LT.	1
STA. 67+00, 95' RT.	1
STA. 67+44.67, 95' RT.	1
STA. 68+18.18, 95' RT.	1
STA. 68+25.83, 50' RT.	1
STA. 68+31.34, 50' LT.	1
STA. 68+37.28, 85' LT.	1
TOTAL	13

PAVEMENT MARKING SCHEDULE														
LOCATION	POLYUREA PAVEMENT MARKING — LETTERS AND SYMBOLS	POLYUREA PAVEMENT MARKING — LINE 4"	POLYUREA PAVEMENT MARKING — LINE 6"	POLYUREA PAVEMENT MARKING — LINE 8"	POLYUREA PAVEMENT MARKING — LINE 12"	POLYUREA PAVEMENT MARKING — LINE 24"	TEMPORARY PAVEMENT MARKING — LETTERS AND SYMBOLS	TEMPORARY PAVEMENT MARKING — LINE 4"	TEMPORARY PAVEMENT MARKING — LINE 6"	TEMPORARY PAVEMENT MARKING — LINE 8"	TEMPORARY PAVEMENT MARKING — LINE 12"	TEMPORARY PAVEMENT MARKING — LINE 24"	SHORT-TERM PAVEMENT MARKING	WORK ZONE PAVEMENT MARKING REMOVAL
	SQ FT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT
WEST OF INTERSECTION	31	3250	125	266	182	39	31	3250	125	266	182	39	175	1672
EAST OF INTERSECTION	31	2515		149	380	43	31	2515		149	380	43	168	1491
NORTH OF INTERSECTION	16		155	89		25	16		155	89		25		203
SOUTH OF INTERSECTION	16		147	54		24	16		147	54		24		174
TOTAL	94	5765	427	558	562	131	94	5765	427	558	562	131	343	3540

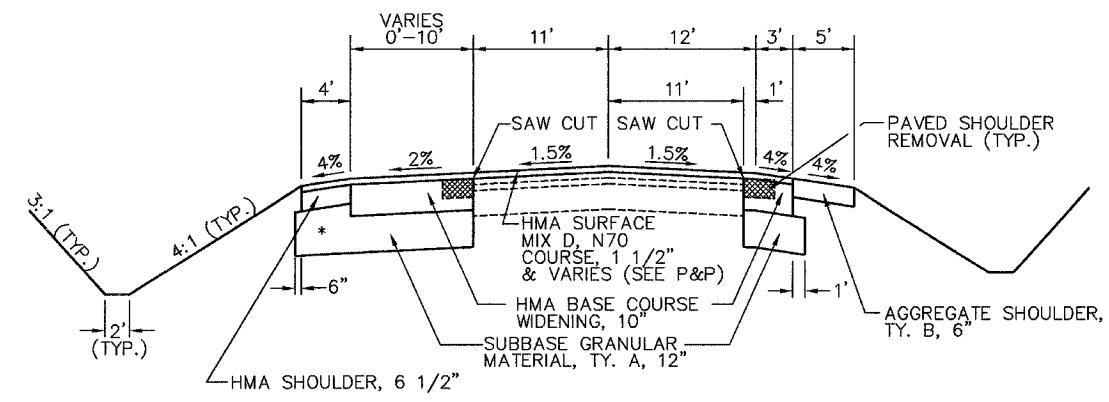
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION SCHEDULE OF QUANTITIES FAP 591 (US 34) AND WAUBONSEE DRIVE SECTION 06-00034-00-RP KENDALL COUNTY
NAME	DATE	
		SCALE: VERT. _____ HORIZ. _____ DATE: 02/07
		DRAWN BY: NOE/NV CHECKED BY: DJD

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	06-00034-00-RP	KENDALL	37	6
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

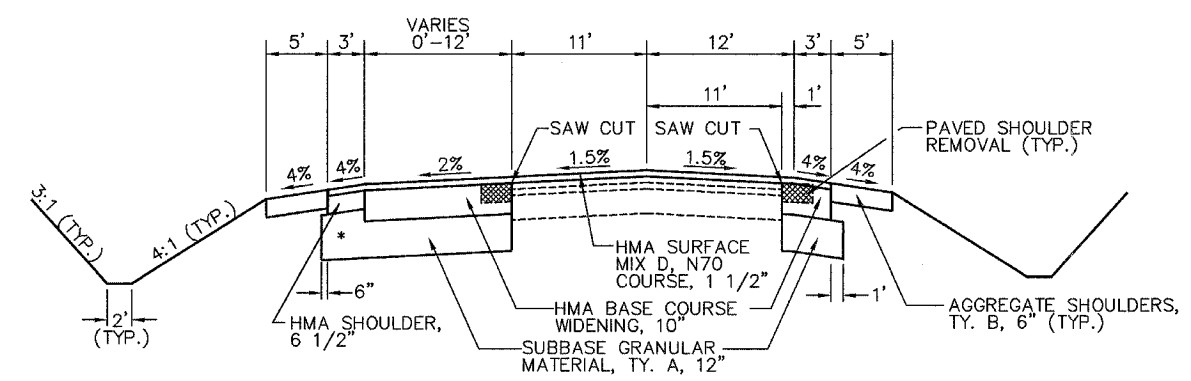
CONTRACT NO. 87332



EXISTING TYPICAL SECTION - US 34

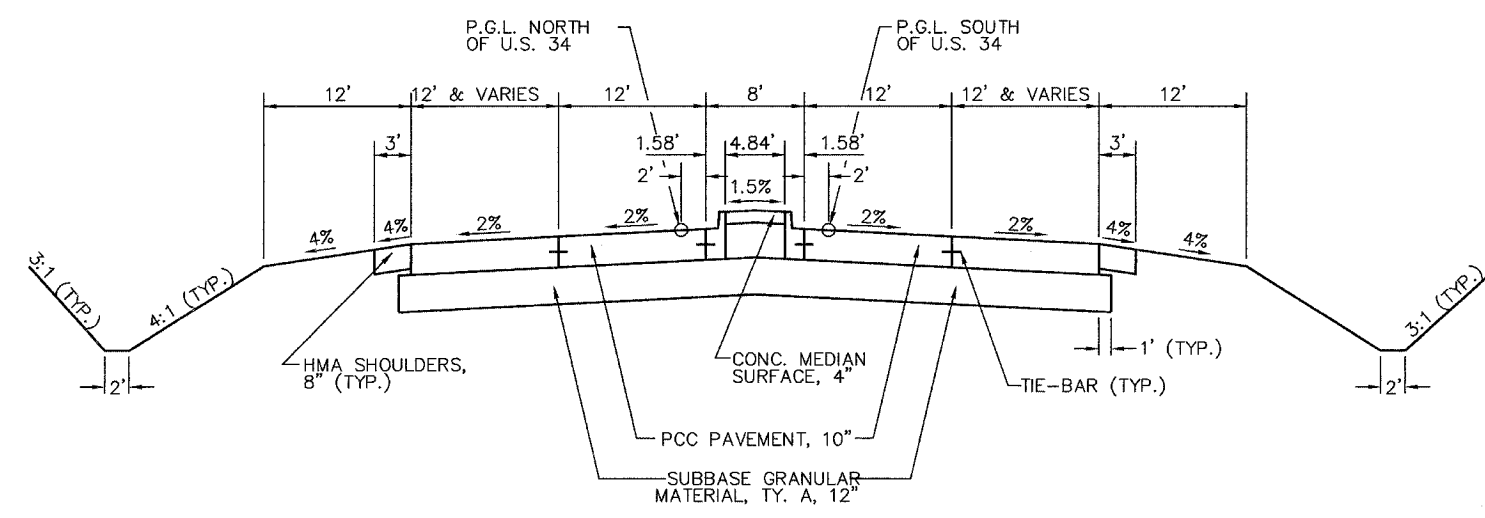


3 PROPOSED TYPICAL - US 34 EAST OF INTERSECTION

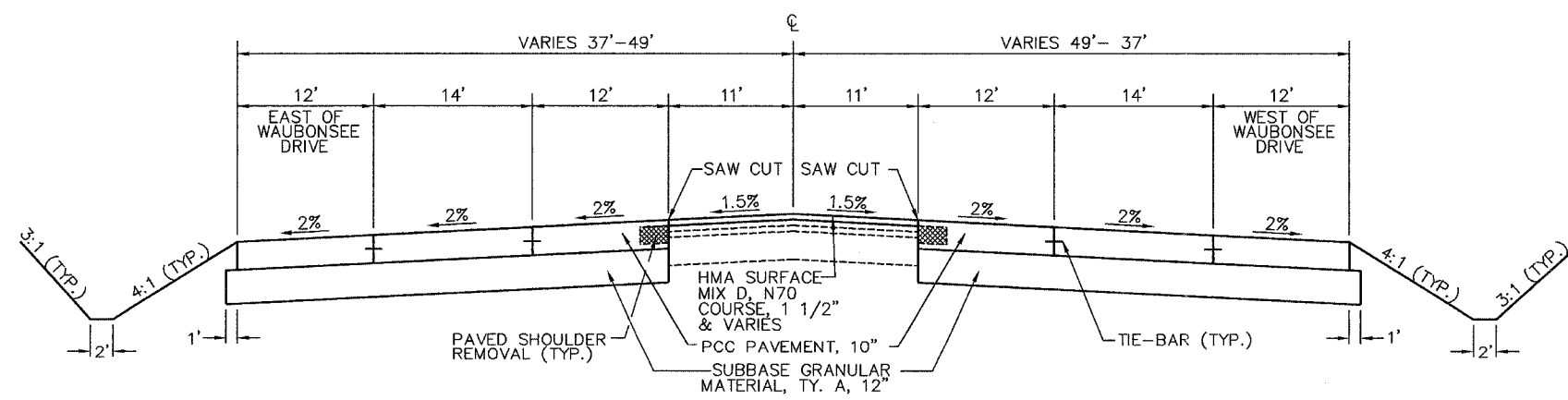


1 PROPOSED TYPICAL - US 34 WEST OF INTERSECTION

* NOTE ADDITIONAL AGGREGATE THICKNESS REQUIRED UNDER HMA SHOULDERS WILL BE INCLUDED IN THE COST OF SUBBASE GRANULAR MATERIAL, TYPE A, 12"



4 PROPOSED TYPICAL - WAUBONSEE DRIVE



2 PROPOSED TYPICAL - U.S. 34 @ INTERSECTION

(SEE SHEETS 27 & 28 FOR ADDITIONAL DETAILS)

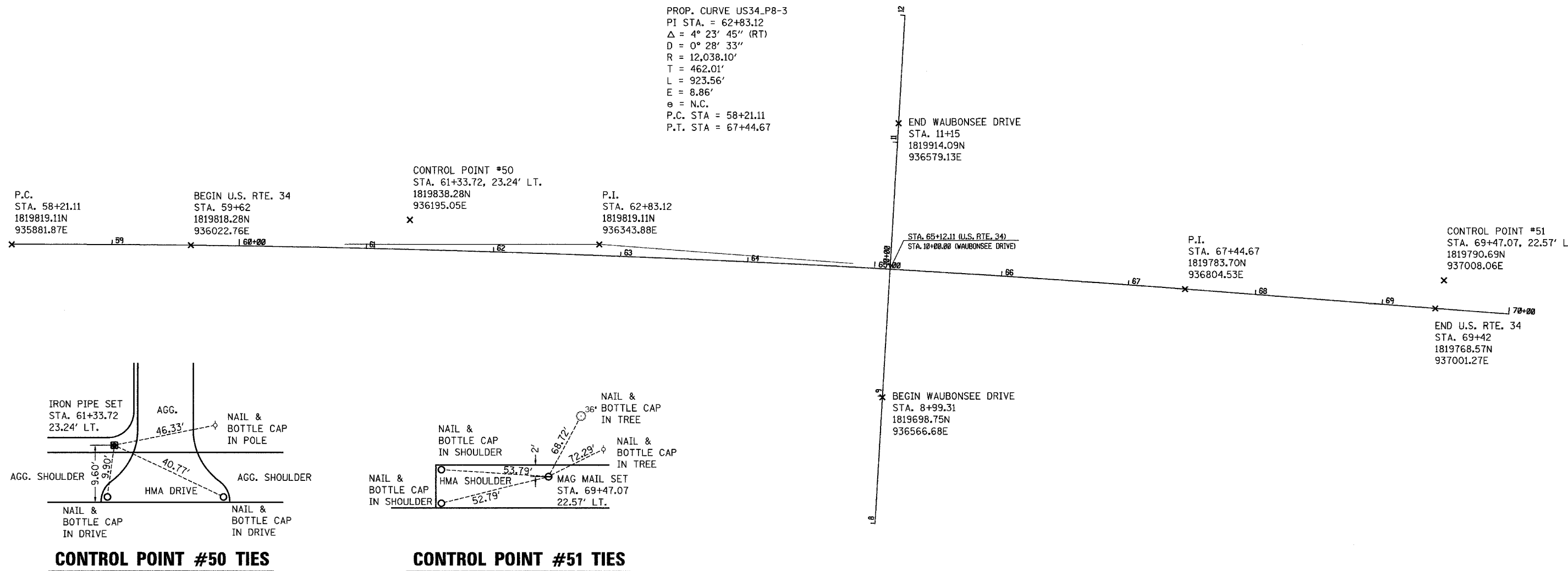
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TYPICAL SECTIONS
FAP 591 (US 34)
AND WAUBONSEE DRIVE
SECTION 06-00034-00-RP
KENDALL COUNTY

SCALE: VERT. 1"=10'
HORIZ. 1"=40'
DATE: 02/07

DRAWN BY: NOE/NV
CHECKED BY: DJD

CONTRACT NO. 87332				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	06-00034-00-RP	KENDALL	37	8
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



BM #268
RAILROAD SPIKE IN POWER POLE
NORTH SIDE OF U.S. 34
STA. 55+70, 47.5' LT.
ELEV. = 652.46

BM #267
RAILROAD SPIKE IN POWER POLE
NORTH SIDE OF U.S. 34
STA. 59+72, 51' LT.
ELEV. = 648.26

BM #266
RAILROAD SPIKE IN POWER POLE
NORTH SIDE OF U.S. 34
STA. 64+58, 50' LT.
ELEV. = 650.25

BM #265
RAILROAD SPIKE IN POWER POLE
NORTH SIDE OF U.S. 34
STA. 70+16, 43' LT.
ELEV. = 647.01

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
ALIGNMENT AND TIES
FAP 591 (US 34)
AND WAUBONSEE DRIVE
SECTION 06-00034-00-RP
KENDALL COUNTY

SCALE: VERT.
HORIZ.
DATE: 02/07

DRAWN BY: NOE/NV
CHECKED BY: DJD

PLOT DATE = #DATE#
FILE NAME = #FILE#
PLOT SCALE = #SCALE#
USER NAME = #USER#

0 20 40 60
SCALE IN FEET

The profile view displays the existing ground surface (dashed line) and the proposed road profile (solid line) along the transit line. The existing profile is labeled "EXISTING PROFILE ALONG TRANSIT LINE" and the proposed profile is labeled "PROPOSED PROFILE ALONG TRANSIT LINE". The proposed profile includes a "MATCH EXISTING GRADE" section. A "PROPOSED SOUTH DITCH PROFILE" is also shown, with a 10.6% slope. The profile view includes stationing data and elevation values.

Station	Existing Elevation	Proposed Elevation	Ditch Elevation
56+50	654.96		
57+00	654.87		
57+50	654.67		
58+00	654.48		
58+50	654.29		
59+00	654.10		
59+50	653.92		
60+00	653.73	653.83	646.83
60+50	653.54	653.66	646.89
61+00	653.34	653.46	
61+50	653.15	653.27	
62+00	652.96	653.08	

U.S. ROUTE 34 STA. 56+00 TO 62+00

PLAN	DATE	BY	CHAMIN & ASSOCIATES
SURVEYED	01/07	LAG	
NOTED	01/07	LAG	
NOTE BOOK	01/07	LAG	
NO.	201807PLN-RT34	LAG	

PROFILE	DATE	BY	CHAMIN & ASSOCIATES
SURVEYED	01/07	LAG	
NOTED	01/07	LAG	
NOTE BOOK	01/07	LAG	
NO.	201807PLN-RT34	LAG	

PLOT DATE = 01/07
FILE NAME = 201807PLN-RT34
PLOT SCALE = AS SHOWN
USER NAME = LAG

MATCH LINE STA. 62+00

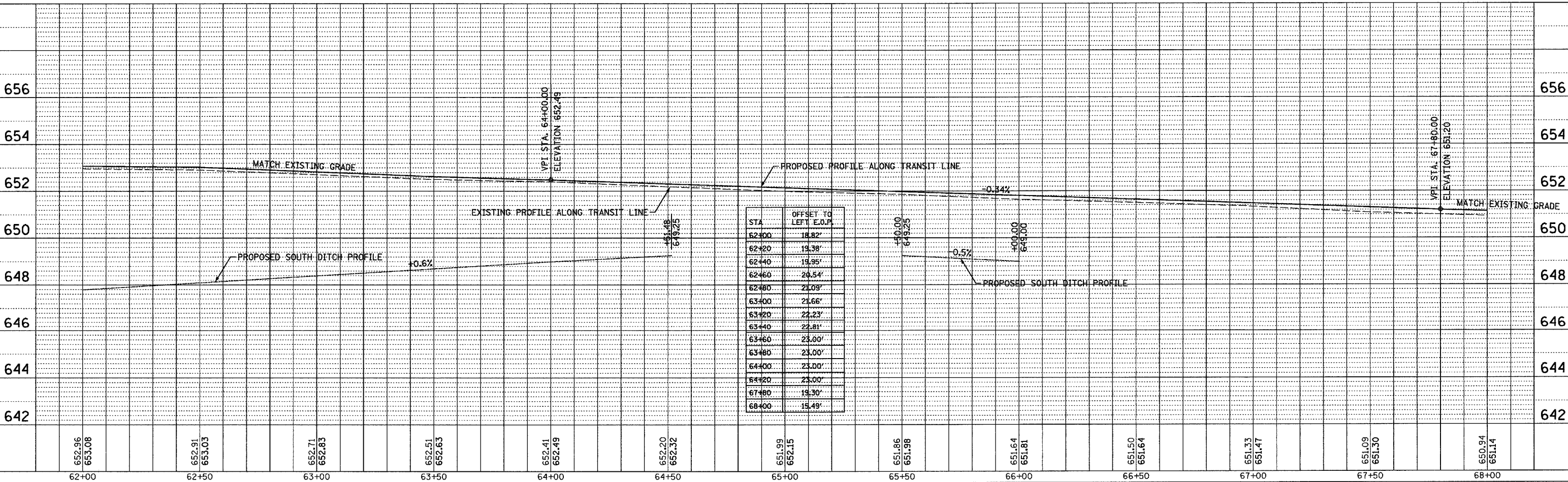
MATCH LINE STA. 68+00

CURVE DATA
PI STA. = 62+83.12
 $\Delta = 4^\circ 23' 45''$ (RT)
 $D = 0^\circ 28' 33''$
 $R = 12,038.10'$
 $T = 462.01'$
 $L = 923.56'$
 $e = 8.86'$
 $e = N.C.$
P.C. STA = 58+21.11
P.T. STA = 67+44.67

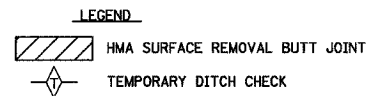
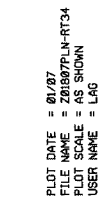
BM #266
RAILROAD SPIKE IN POWER POLE
NORTH SIDE OF U.S. 34
STA. 64+58, 50' LT.
ELEV. = 650.25

0 20 40 60
SCALE IN FEET

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	D6-00034-00-RP	KENDALL	37	10
STA. 62+00		TO STA. 68+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



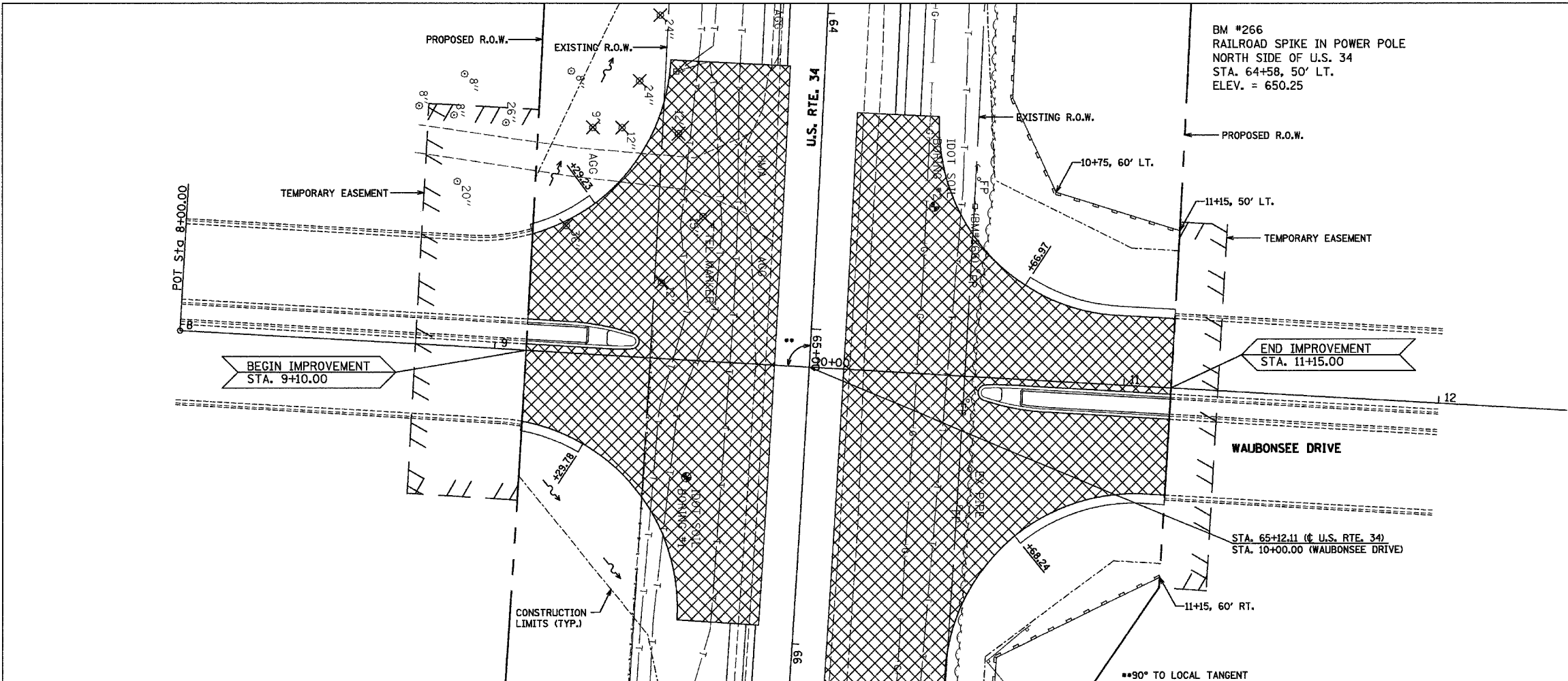
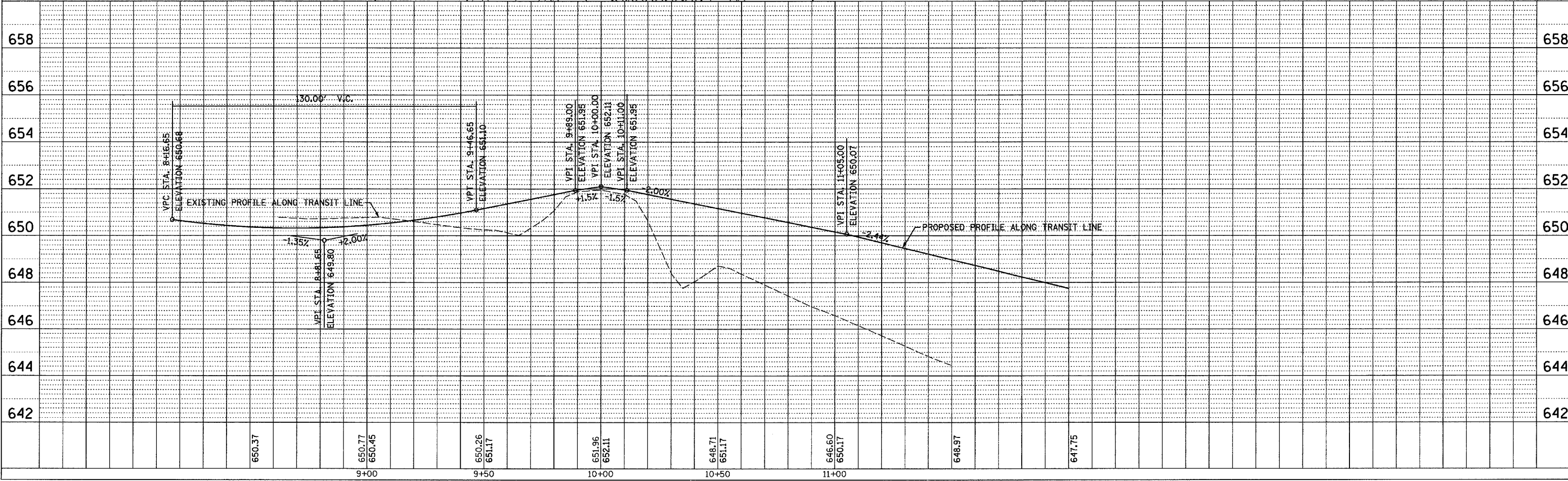
U.S. ROUTE 34 STA. 62+00 TO 68+00



PLAN		BY		DATE
SURVEYED		CHAMLIN & ASSOCIATES		01/07
PLOTTED		LAG		01/07
ALIGNMENT CHECKED		JMC		01/07
RT. OF WAY CHECKED				
NO.		CADD FILE NAME		201607PLN-RT-24

PROFILE		SURVEYED _____		BY CHAMLIN & ASSOCIATES		DATE 01/07	
NOTE BOOK		PLOTTED _____		LAG		01/07	
		GRADES CHECKED _____		JAC		01/07	
		B.M. NOTED _____		KJC		01/07	
NO. _____		STRUCTURE NOTAT'NS CHK'D _____		KJC		01/07	

PLOT DATE = 02/07
FILE NAME = 200807PLN-COLSENT
PLOT SCALE = AS SHOWN
USER NAME = LAG



- LEGEND
- PCC PAVEMENT, 10"
 - TREE REMOVAL
 - CENTER LINE OF DITCH

CONTRACT NO. 87332			
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS
591	06-00034-00-RP	KENDALL	37
STA. 9+00		TO STA. 11+15	
FED. ROAD DIST. NO.		ILLINOIS	
		FED. AID PROJECT	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	D6-00034-00-RP	KENDALL	37	13
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

NOTE:
THESE R.O.W. PLANS ARE PRELIMINARY. THE CONTRACTOR SHOULD OBTAIN THE FINAL R.O.W. PLANS FROM THE ENGINEER.



SEC. 23, T 37 N., R 6 E. OF THE 3RD P.M.

SEC. 24, T 37 N., R 6 E. OF THE 3RD P.M.

N 1821730.7534
E 936673.8126
CORNER NOT SET
FALLS IN FIELD



LAKEWOOD SPRINGS UNIT 5
DOC. # 200500022669

PARCEL NO. 3RJ0004

LAKEWOOD SPRINGS, L.L.C.

TOTAL HOLDING = 12.509 AC. ±
TOTAL R.O.W. REQUIRED = 1.278 AC. ±
AREA IN EXISTING R.O.W. = 0.524 AC. ±
NET R.O.W. = 0.754 AC. ±
REMAINDER = 11.231 AC. ±

TEMPORARY EASEMENT AREA = 0.027 AC. ±
PURPOSE: ENTRANCE CONSTRUCTION

PARCEL NO. 3RJ0005

BOARD OF TRUSTEES OF
WAUBONSEE COMMUNITY COLLEGE

TOTAL HOLDING = 9.012 AC. ±
TOTAL R.O.W. REQUIRED = 0.285 AC. ±
REMAINDER = 8.727 AC. ±

TEMPORARY EASEMENT AREA = 0.013 AC. ±
PURPOSE: ENTRANCE CONSTRUCTION

W'y LINE OF PREMISES CONVEYED TO
BOARD OF TRUSTEES OF WAUBONSEE
COMMUNITY COLLEGE FROM LAKEWOOD
SPRINGS, L.L.C. BY WARRANTY DEED
REC. 9-23-05 AS DOC. #200500029208

PROPOSED TEMPORARY EASEMENT LINE

N'y LINE OF PREMISES CONVEYED TO
IRENE CORBIN FROM BERNICE A. NEWTON
BY ADMINISTRATOR'S DEED REC. 8/4/71
AS DOC. #71-2765

PROPOSED R.O.W. LINE

PARCEL NO. 3RJ0004

DRIVEWAY TO
BE REMOVED

OVERLAP

PARCEL NO. 3RJ0007

IRENE CORBIN

TOTAL HOLDING = 14.797 AC. ±
TOTAL R.O.W. REQUIRED = 2.066 AC. ±
AREA IN EXISTING R.O.W. = 1.328 AC. ±
NET R.O.W. = 0.738 AC. ±
REMAINDER = 12.731 AC. ±

TEMPORARY EASEMENT AREA = 0.100 AC. ±
PURPOSE: ENTRANCE CONSTRUCTION

E'y & W'y LINE OF PREMISES CONVEYED TO
IRENE CORBIN FROM BERNICE A. NEWTON
BY ADMINISTRATOR'S DEED REC. 8/4/71
AS DOC. #71-2765

E. LINE OF THE SE, 1/4 OF SEC. 23

PROP. CURVE US34.P7-3
PI STA. 62+83.12
Δ = 42°3'45" (RT)
D = 0°28'33"
R = 12,038.10'
T = 462.01'
L = 923.56'
E = 8.86'
P.C. STA. 58+21.11
P.T. STA. 67+44.67



COVENTINE FIDIS - ILLINOIS PROFESSIONAL
LAND SURVEYOR NUMBER 35-2159
MY LICENSE EXPIRES 11/30/08

I, COVENTINE FIDIS, HEREBY CERTIFY THAT I AM A PROFESSIONAL LAND SURVEYOR OF THE STATE OF ILLINOIS, THAT THE SURVEY OF PROPOSED FAP RTE 319 WAS MADE BY ME OR UNDER MY DIRECTION AND THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT ALL MONUMENTS AND MARKS ARE OF THE CHARACTER AND OCCUPY THE POSITION SHOWN THEREON, AND ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED.

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

DATED THIS 22nd DAY OF NOVEMBER, 2006

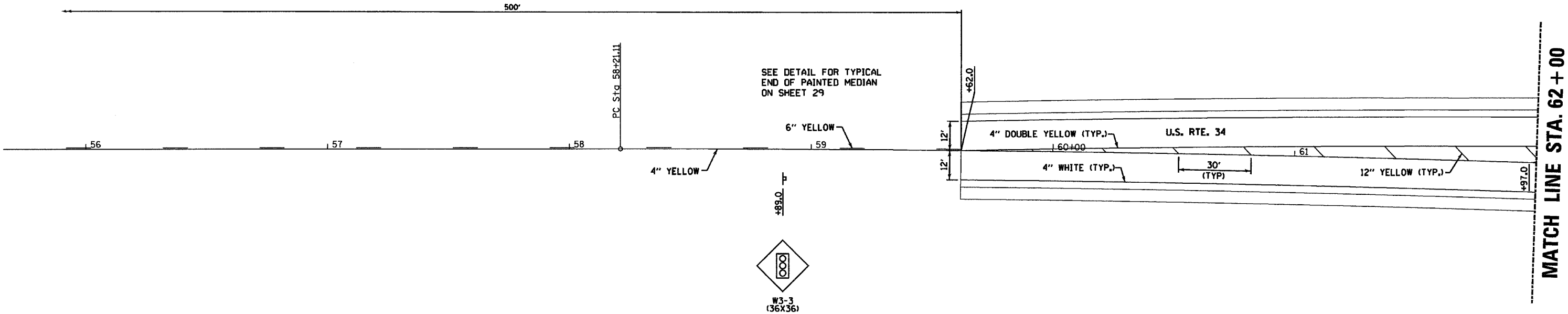
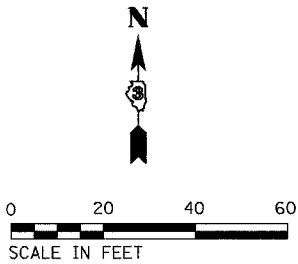
PLOT DATE = 11/01/06
FILE NAME = 071111
PLOT SCALE = 1"=100'
USER NAME = JUSER

- LEGEND**
- (A) 35.00' S 3°31'00" W
 - (B) 123.70' N 86°46'51" W
 - (C) 35.00' N 2°55'19" E
 - (D) L = 124.07'
R = 11,948.10'
Δ = 0°35'42"
LC = S 86°46'51" E 124.06'
 - (E) L = 229.22'
R = 11,948.10'
Δ = 1°05'57"
LC = N 86°41'43" W 229.21'
 - (F) 99.36' S 89°37'58" W
 - (G) L = 70.41'
R = 11,948.10'
Δ = 0°20'16"
LC = N 86°46'52" W 70.41'
 - (H) 114.18' N 85°41'50" W
 - (I) L = 178.58'
R = 12,327.09'
Δ = 0°49'48"
LC = N 86°06'42" W 178.58'
 - (J) L = 2.87'
R = 300.00'
Δ = 0°32'54"
LC = N 2°34'31" E 2.87'
 - (K) 62.70' N 2°09'40" E
 - (L) L = 37.34'
R = 12,153.10'
Δ = 0°10'34"
LC = S 86°30'00" E 37.34'
 - (M) L = 120.52'
R = 12,123.10'
Δ = 0°34'11"
LC = S 85°53'21" E 120.52'
 - (N) 92.62' S 85°36'15" E
 - (O) 50.43' S 55°32'16" E
 - (P) 207.98' S 89°40'59" W
 - (Q) L = 505.09'
R = 12,153.10'
Δ = 2°22'52"
LC = S 87°46'43" E 505.05'
 - (R) L = 78.76'
R = 12,153.10'
Δ = 0°22'17"
LC = N 86°46'25" W 78.76'
 - (S) 74.37' N 85°36'15" W
 - (T) L = 112.88'
R = 11,948.10'
Δ = 0°52'29"
LC = N 85°52'30" W 112.88'
 - (U) 8.23' S 55°32'16" E

RIGHT OF WAY PLANS

ROUTE FAP 319
SECTION 47-3
COUNTY KENDALL
JOB NUMBER R-93-025-01
STATION 50+00.00 TO 75+00.00
SCALE 1"=100' SHEET 1 OF 1

CONTRACT NO. 87332				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	06-00034-00-RP	KENDALL	37	14
STA. 59+62		TO STA. 62+00		
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	



MEDIAN TAPER		
STA	LEFT SIDE	RIGHT SIDE
59+80	0.51' LT.	0.00'
60+00	1.08' LT.	0.00'
60+20	1.66' LT.	0.00'
60+40	2.24' LT.	0.00'
60+60	2.80' LT.	0.00'
60+80	3.37' LT.	0.00'
61+00	3.96' LT.	0.00'
61+20	4.51' LT.	0.00'
61+40	5.09' LT.	0.00'
61+60	5.77' LT.	0.00'
61+80	6.23' LT.	0.00'
62+00	6.81' LT.	0.22' LT.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKING DETAILS
FAP 591 (US 34)
AND WAUBONSEE DRIVE
SECTION 06-00034-00-RP
KENDALL COUNTY

SCALE: VERT. DRAWN BY: NOE/NV
 HORIZ. CHECKED BY: DJD
DATE: 02/07

PLOT DATE = #DATE#
FILE NAME = #FILE#
PLOT SCALE = #SCALE#
USER NAME = #USER#

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	06-00034-00-RP	KENDALL	37	15
STA. 62+00		TO STA. 68+00		
FED. ROAD DIST. NO. _		ILLINOIS FED. AID PROJECT		

CURVE DATA
PI STA. = 62+83.12
 $\Delta = 4^\circ 23' 45''$ (RT)
D = $0^\circ 28' 33''$
R = 12,038.10'
T = 462.01'
L = 923.56'
E = 8.86'
 $\theta =$ N.C.
P.C. STA = 58+21.11
P.T. STA = 67+44.67

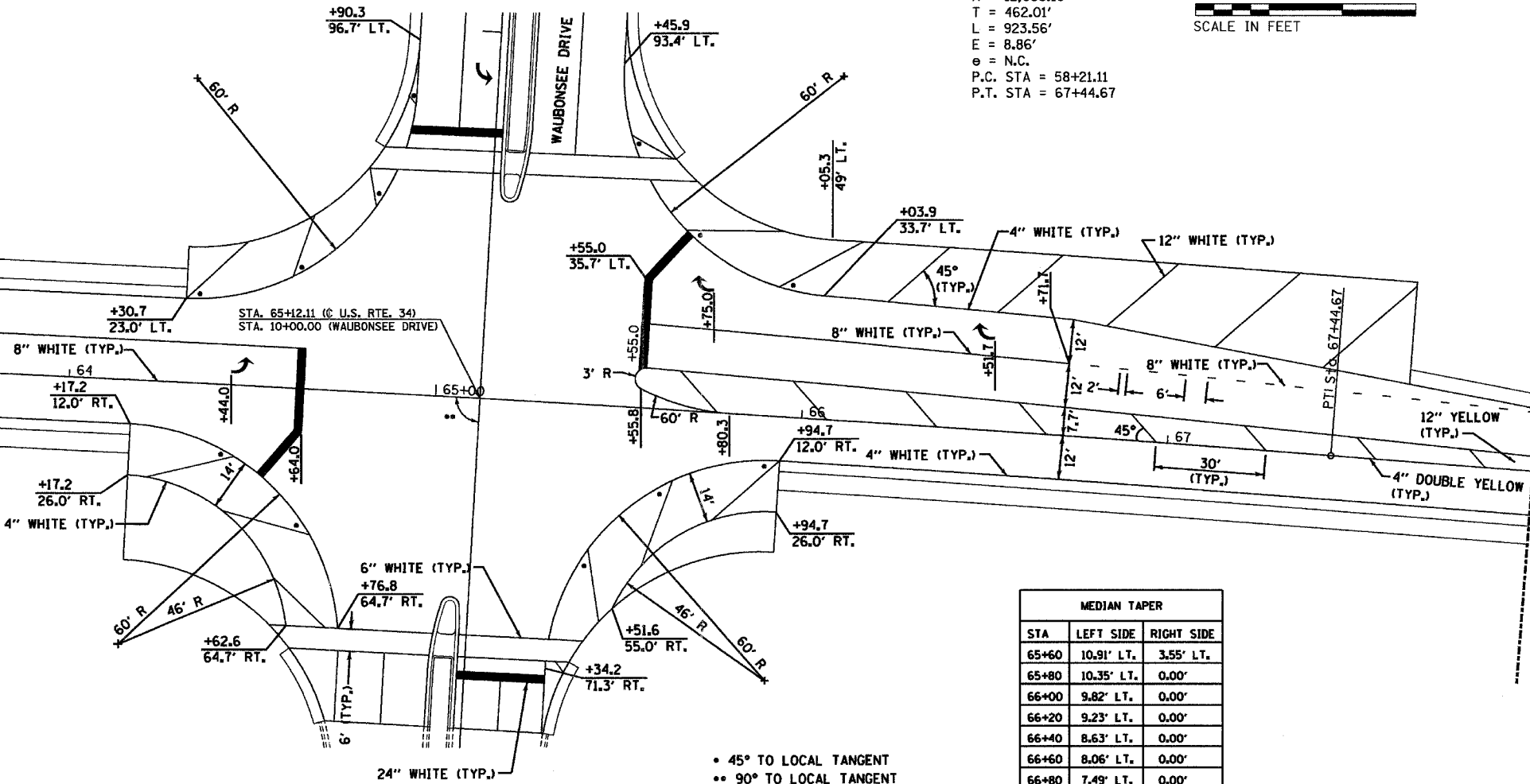


MATCH LINE STA. 62+00

MATCH LINE STA. 68+00

MEDIAN TAPER		
STA	LEFT SIDE	RIGHT SIDE
62+00	6.81' LT.	0.22' LT.
62+20	7.38' LT.	1.69' LT.
62+40	7.94' LT.	3.15' LT.
62+60	8.54' LT.	4.62' LT.
62+80	9.08' LT.	6.09' LT.
63+00	9.65' LT.	7.56' LT.
63+20	10.23' LT.	9.00' LT.
63+40	10.80' LT.	10.48' LT.

MEDIAN TAPER		
STA	LEFT SIDE	RIGHT SIDE
65+60	10.91' LT.	3.55' LT.
65+80	10.35' LT.	0.00'
66+00	9.82' LT.	0.00'
66+20	9.23' LT.	0.00'
66+40	8.63' LT.	0.00'
66+60	8.06' LT.	0.00'
66+80	7.49' LT.	0.00'
67+00	6.93' LT.	0.00'
67+20	6.34' LT.	0.00'
67+40	5.77' LT.	0.00'
67+60	5.20' LT.	0.00'
67+80	4.63' LT.	0.00'
68+00	4.06' LT.	0.00'



• 45° TO LOCAL TANGENT
•• 90° TO LOCAL TANGENT

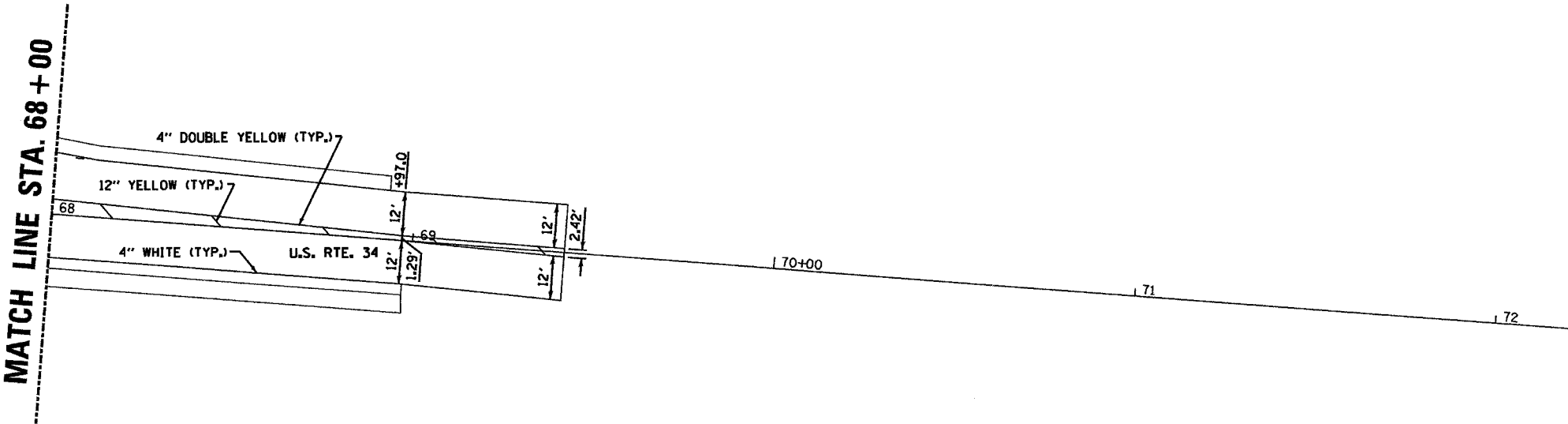
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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKING DETAILS
FAP 591 (US 34)
AND WAUBONSEE DRIVE
SECTION 06-00034-00-RP
KENDALL COUNTY

SCALE: VERT.
HORIZ.
DATE: 02/07

DRAWN BY: NOE/NV
CHECKED BY: DJD



MEDIAN TAPER		
STA	LEFT SIDE	RIGHT SIDE
68+00	4.06' LT.	0.00'
68+20	3.49' LT.	0.00'
68+40	2.91' LT.	0.00'
68+60	2.34' LT.	0.00'
68+80	1.77' LT.	0.00'
69+00	1.29' LT.	0.08' RT.
69+20	1.23' LT.	0.64' RT.
69+40	1.18' LT.	1.19' RT.

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PLOT NAME = PAVEMENT MARKING
PLOT SCALE = 1\"/>

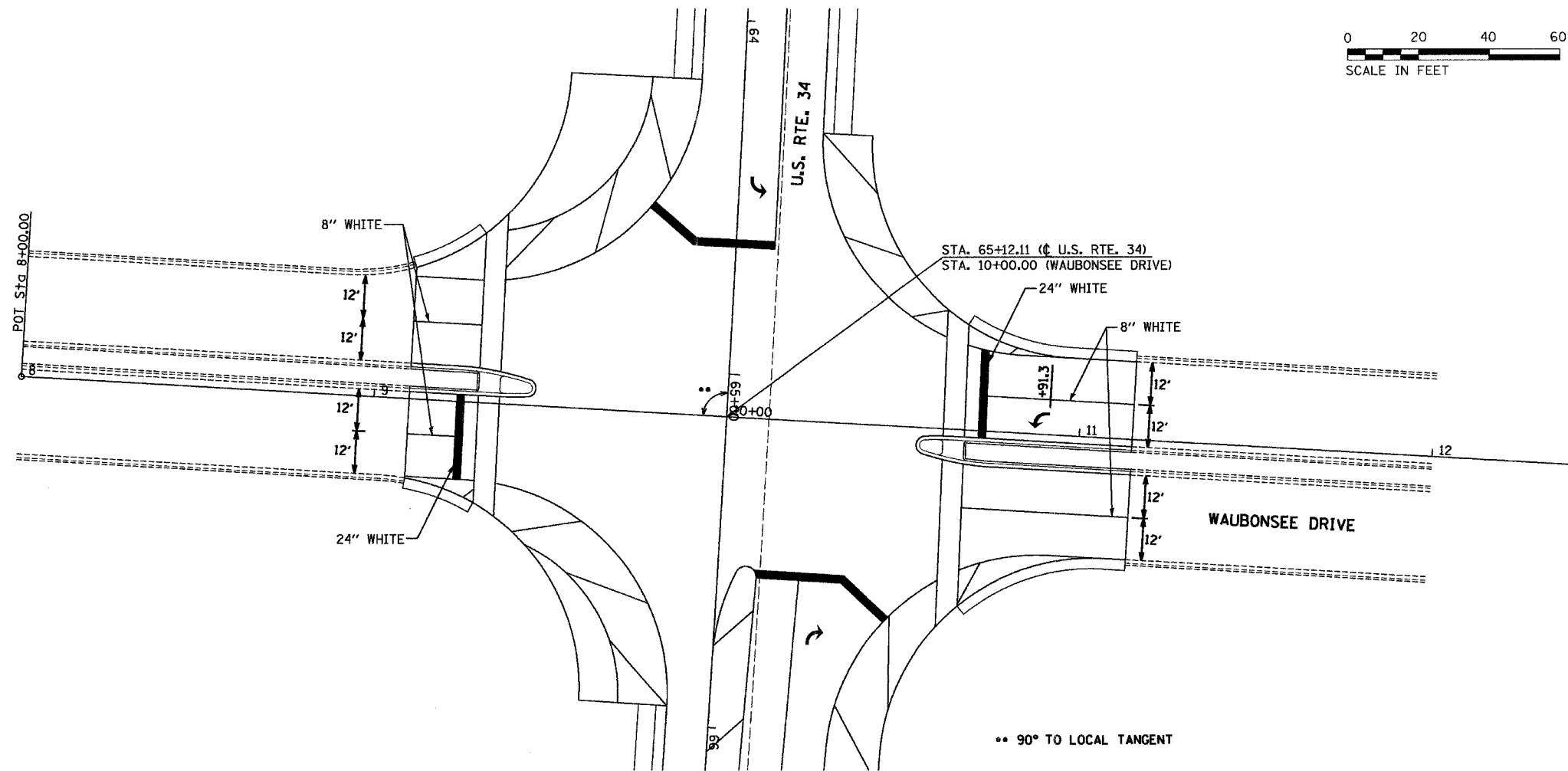
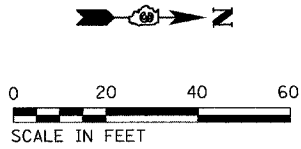
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKING DETAILS
FAP 591 (US 34)
AND WAUBONSEE DRIVE
SECTION 06-00034-00-RP
KENDALL COUNTY

SCALE: VERT.
HORIZ.
DATE: 02/07

DRAWN BY: NOE/NV
CHECKED BY: DJD

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	06-00034-00-RP	KENDALL	37	17
STA. 9+00		TO STA. 11+15		
FED. ROAD DIST. NO. _		ILLINOIS FED. AID PROJECT		



.. 90° TO LOCAL TANGENT

PLOT DATE = #DATE#
FILE NAME = #FILE#
PLOT SCALE = #SCALE#
USER NAME = #USER#

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKING DETAILS
FAP 591 (US 34)
AND WAUBONSEE DRIVE
SECTION 06-00034-00-RP
KENDALL COUNTY

SCALE: VERT.
HORIZ.
DATE: 02/07

DRAWN BY: NOE/NV
CHECKED BY: DJD

GENERAL NOTES

1. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION (J.U.L.I.E. 800/892-0123). CONTACT IDOT FOR HIGHWAY LIGHTING LOCATE.
2. ALL TRAFFIC SIGNAL HEADS SHALL BE 12" POLYCARBONATE, UNLESS OTHERWISE NOTED.
3. ALL SIGNAL BASES SHALL BE LOCATED AT 6 FOOT MINIMUM CLEARANCE FROM CURB UNLESS OTHERWISE DIRECTED BY ENGINEER.
4. ALL CONDUIT IN TRENCH SHALL BE P.V.C. ALL CONDUIT PUSHED MAY BE GALVANIZED STEEL OR P.V.C. CONDUIT ATTACHED TO STRUCTURES SHALL BE GALVANIZED STEEL.
5. A 1/4" DIAMETER CONTINUOUS NYLON ROPE SHALL BE FURNISHED AND LEFT IN PLACE IN ALL CONDUITS BETWEEN HANDHOLES AND FOUNDATIONS OR CONTROLLER AS INCIDENTAL TO THE RESPECTIVE CONDUIT PAY ITEM.
6. THE PROPOSED TRAFFIC SIGNAL CONTROL CABINET SHALL BE FURNISHED WITH A MANUAL CONTROL SWITCH AND MANUAL CONTROL CORD WITHIN THE POLICE DOOR COMPARTMENT AS INCIDENTAL TO THE CONTROL CABINET PAY ITEM.
7. THE CONTRACTOR SHALL ARRANGE FOR A FACTORY OR SUPPLIER REPRESENTATIVE TO BE PRESENT AT THE INTERSECTION WHEN THE SIGNAL IS TURNED ON, INCIDENTAL TO THE CONTROLLER PAY ITEM.
8. THE DEPARTMENT OF TRANSPORTATION (815-434-8505) SHALL BE NOTIFIED AT LEAST 72 HOURS PRIOR TO THE TURNING ON OF THE CONTROLLER UNIT.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ELECTRICAL SERVICE FOR THE TRAFFIC SIGNAL AND STREET LIGHTING. THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANY PRIOR TO BEGINNING WORK TO OBTAIN THE UTILITY COMPANY REQUIREMENTS FOR THE SERVICE INSTALLATION.
10. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN 2 FOOT MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
11. ALL MAST ARM SIGNAL HEADS ON AN INDIVIDUAL MAST ARM SHALL BE MOUNTED SO THAT THE "RED" INDICATIONS ARE LEVEL WITH EACH OTHER.
12. THE ELECTRICAL CONDUCTORS FOR ALL TRAFFIC SIGNAL HEADS SHALL BE SOLID, SOFT COPPER.
13. THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF UNCOVERING OR HAND DIGGING AROUND UTILITIES, AS NECESSARY, INCIDENTAL TO THE CONDUIT PAY ITEM.
14. ALL THREADS OF BOLTS USED IN TRAFFIC COMPONENT ASSEMBLIES SHALL BE COATED WITH A NON-LEAD BASED ANTI-SEIZE COMPOUND, SIMILAR TO LEAD PLATE, PRIOR TO ASSEMBLY.
15. THE CONTROLLER CABINET SHALL BE PLACED SO THAT A TECHNICIAN MAY SEE THE INTERSECTION OVER THE TOP OF THE CABINET WHILE WATCHING THE COMPONENTS IN THE CABINET.
16. BACK PLATES MUST BE POLYCARBONATE WITH A DEEP BACK FLANGE.
17. THE CONTRACTOR SHALL PROVIDE 3 FOOT SLACK CABLE IN EACH TRAFFIC SIGNAL STRUCTURE: MAST ARM, POST, CONTROLLER. THE SLACK, WHICH IS IN ADDITION TO THE VERTICAL LENGTH OF CABLE DEFINED IN THE SPECIFICATIONS, SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR EACH CABLE.
18. ALL GROUNDING MATERIALS FOR TRAFFIC SIGNAL CONCRETE FOUNDATIONS SHALL REFER TO SECTION 806 IN THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 1, 2007
19. THE CONTRACTOR SHALL PROVIDE A SELF-ADHERED PHASE DIAGRAM ON THE INSIDE OF THE CONTROLLER CABINET DOOR.
20. TRAFFIC SIGNAL HEADS SHALL BE PROPERLY COVERED PRIOR TO INTERSECTION TURN-ON OR AS DIRECTED BY THE ENGINEER. THIS COST SHALL BE INCLUDED WITH THE COST OF THE ASSOCIATED SIGNAL PAY ITEMS.
21. ALL HARDWARE SHALL BE TIGHTENED AND WELL SECURED. CABLES SHALL BE NEATLY WOUND IN HANDHOLES. CABLES SHALL BE NEATLY TRAINED IN THE CONTROLLER CABINET.
22. ALL NEW TRAFFIC AND PEDESTRIAN SIGNAL WIRING SHALL EXTEND FROM CONTROLLER TO SIGNAL. SPLICES IN JUNCTION BOXES WILL NOT BE ALLOWED.
23. LIGHT DETECTORS AND CONFIRMATION BEACONS FOR EMERGENCY VEHICLE PREEMPTION SHALL BE MOUNTED ON MAST ARMS 4 FOOT FROM THE END.
24. ALL DETECTOR LOOP AMPLIFIERS SHALL BE CARD RACK MOUNTED AND FURNISHED WITH PLASTIC TAGS LABELED WITH RESPECTIVE PHASES AND DIRECTION AS LISTED IN THE DETECTOR LOOP CHART. MINIMUM TAG SIZE IS 3/8" BY 3/4". TAGS SHALL BE MADE OF MATERIAL THAT DOES NOT ALLOW WRITING TO FADE OVER TIME.
25. THE LENGTH OF DETECTOR LOOP CABLE FROM THE CURB TO THE JUNCTION BOX OR HANDHOLE IS INCIDENTAL TO THE DETECTOR LOOP PAY ITEM.
26. DOUBLE FUSED FUSE HOLDERS AND SURGE ARRESTORS ARE TO BE SUPPLIED AND INSTALLED BY THE CONTRACTOR IN THE BASE OF THE COMBINATION MAST ARM AS INCIDENTAL TO THE LIGHT FIXTURE PAY ITEM.
27. WIRING FOR CONFIRMATION BEACON (NO. 14 3/C) WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCIDENTAL TO THE LIGHT DETECTORS PER ARTICLE 887.04 OF THE STANDARD SPECIFICATIONS.
28. DOUBLE HANDHOLES SHALL BE FURNISHED WITH RECESSED, INTEGRAL HINDED LIDS.
29. THE ELEVATION OF THE TOP OF THE DOUBLE HANDHOLE SHALL BE LESS THAN THE ELEVATION OF THE TOP OF THE CONTROLLER FOUNDATION.

TRAFFIC SIGNAL SUMMARY OF QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	2
72000100	SIGN PANEL - TYPE 1	SQ FT	36.5
72000200	SIGN PANEL - TYPE 2	SQ FT	30
80500200	SERVICE INSTALLATION, TYPE B	EACH	1
81012300	CONDUIT IN TRENCH, 1" DIA., PVC	FOOT	244
81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	986
81012700	CONDUIT IN TRENCH, 2 1/2" DIA., PVC	FOOT	125
81013000	CONDUIT IN TRENCH, 4" DIA., PVC	FOOT	10
81021330	CONDUIT PUSHED, 2" DIA., PVC	FOOT	99
81021350	CONDUIT PUSHED, 3" DIA., PVC	FOOT	144
81021370	CONDUIT PUSHED, 4" DIA., PVC	FOOT	256
81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	8
81400720	DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1
81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	2265
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1245
82102400	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	4
82500510	LIGHTING CONTROLLER TYPE CB-RCS 60 AMP-240 VOLT	EACH	1
85700205	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
86400100	TRANSCEIVER-FIBER OPTIC	EACH	1
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	768
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	796
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1738
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1644
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2275
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	25

ITEM NO.	DESCRIPTION	UNIT	TOTAL QUANTITY
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
87702980	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 50 FT.	EACH	1
87703000	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 55 FT.	EACH	3
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	6
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	3.5
87800415	CONCRETE FOUNDATION, TYPE E, 36 INCH DIAMETER	FOOT	60
87900200	DRILL EXISTING HANDHOLE	EACH	1
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	6
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	3
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	4
88102810	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED	EACH	4
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	13
88500100	INDUCTIVE LOOP DETECTOR	EACH	9
88600100	DETECTOR LOOP, TYPE 1	FOOT	942
88700200	LIGHT DETECTOR	EACH	4
88700300	LIGHT DETECTOR AMPLIFIER	EACH	4
88800100	PEDESTRIAN PUSH-BUTTON	EACH	4
89502200	MODIFY EXISTING CONTROLLER	EACH	3
X0322925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	1538
X8710020	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	1538
X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	599
X8730250	ELECTRIC CABLE IN CONDUIT, NO. 20 3/C, TWISTED, SHIELDED	FOOT	1008
XX002852	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL GENERAL NOTES AND SUMMARY OF QUANTITIES
FAP 591 (US 34)
SECTION 06-00034-00-RP
KENDALL COUNTY

SCALE: VERT.
DATE 02/07

DRAWN BY ARR
CHECKED BY JLS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KENDALL	37	19

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

FAP 591 (US 34)
SECTION 06-00034-00-RP

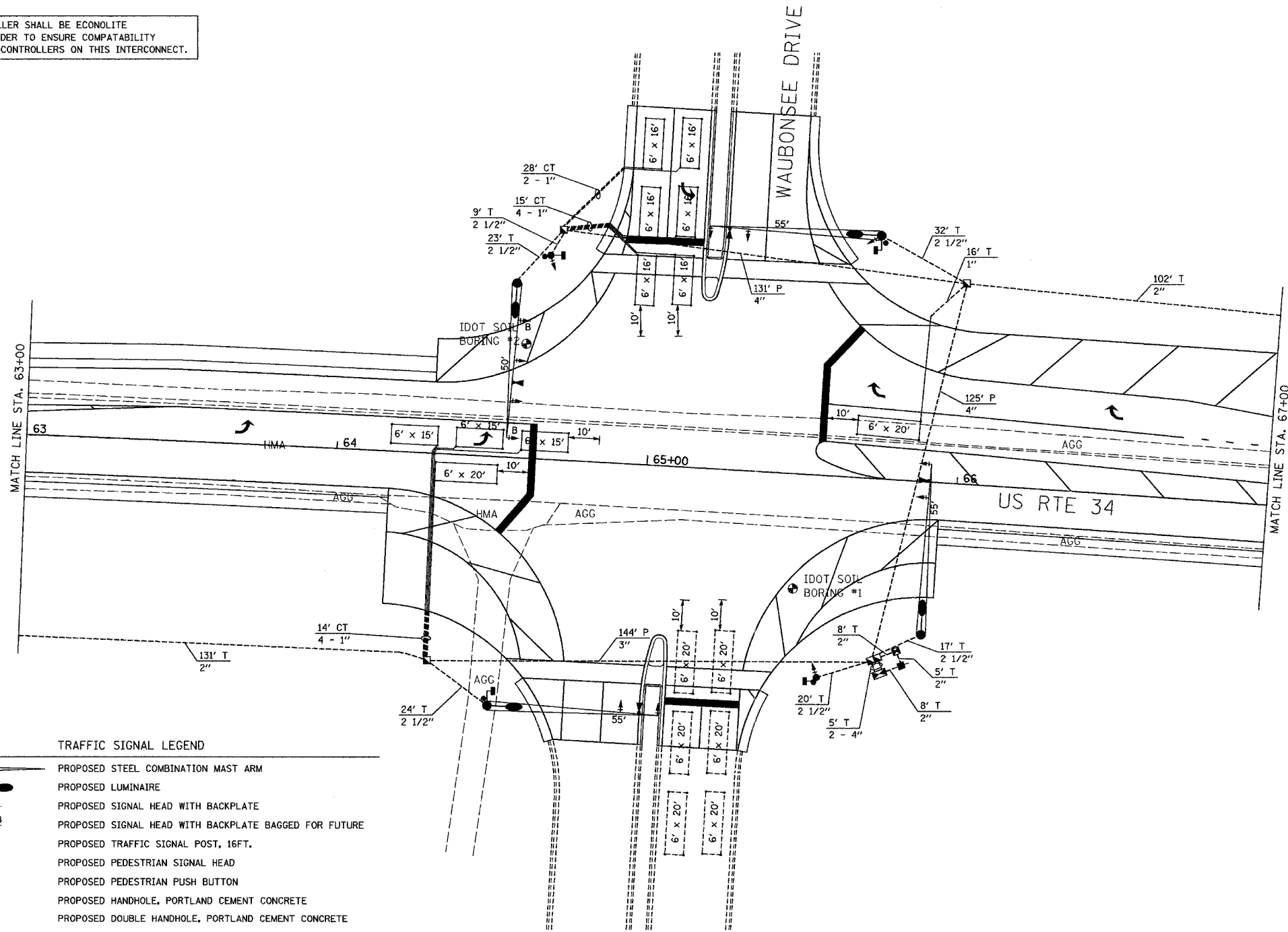
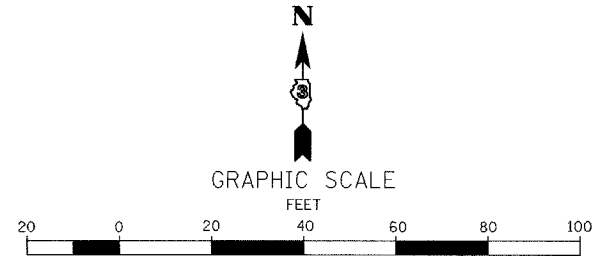
CONSTRUCTION NOTES:

"BAGS" UTILIZED TO COVER SIGNAL HEADS FOR FUTURE USE, SHALL BE MANUFACTURED BY SIGNAL HEAD PRODUCER. THE COST OF THE BAG SHALL BE INCLUDED WITH THE COST OF THE ASSOCIATED SIGNAL HEAD PAY ITEMS.

PEDESTRIAN SIGNAL HEADS SHALL BE INSTALLED TO ALIGN WITH CROSSWALKS IN ORDER TO ENSURE PEDESTRIAN VISIBILITY.

CONTROLLER AND CABINET ASSEMBLY SHALL INCLUDE INDUCTIVE LOOP DETECTORS FOR SOUTH LEG DETECTOR LOOPS WHICH WILL BE CONSTRUCTED BY OTHERS.

THE CONTROLLER SHALL BE ECONOLITE BRAND IN ORDER TO ENSURE COMPATABILITY WITH OTHER CONTROLLERS ON THIS INTERCONNECT.



TRAFFIC SIGNAL LEGEND

	PROPOSED STEEL COMBINATION MAST ARM
	PROPOSED LUMINAIRE
	PROPOSED SIGNAL HEAD WITH BACKPLATE
	PROPOSED SIGNAL HEAD WITH BACKPLATE BAGGED FOR FUTURE
	PROPOSED TRAFFIC SIGNAL POST, 16 FT.
	PROPOSED PEDESTRIAN SIGNAL HEAD
	PROPOSED PEDESTRIAN PUSH BUTTON
	PROPOSED HANDHOLE, PORTLAND CEMENT CONCRETE
	PROPOSED DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE
	PROPOSED CONTROLLER AND TYPE IV CABINET
	PROPOSED LIGHTING CONTROLLER
	PROPOSED SERVICE INSTALLATION TYPE B
	PROPOSED EMERGENCY VEHICLE DETECTOR
	PROPOSED CONDUIT
	PROPOSED DETECTOR LOOP
	PROPOSED DETECTOR LOOP (BY OTHERS)

SCHEDULE OF QUANTITIES

DESCRIPTION	UNIT	TOTAL QUANTITY
CHANGEABLE MESSAGE SIGN	CAL MO	2
SIGN PANEL - TYPE 1	SQ FT	36.5
SIGN PANEL - TYPE 2	SQ FT	30
SERVICE INSTALLATION, TYPE B	EACH	1
CONDUIT IN TRENCH, 1" DIA., PVC	FOOT	188
CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	254
CONDUIT IN TRENCH, 2 1/2" DIA., PVC	FOOT	125
CONDUIT IN TRENCH, 4" DIA., PVC	FOOT	10
CONDUIT PUSHED, 3" DIA., PVC	FOOT	144
CONDUIT PUSHED, 4" DIA., PVC	FOOT	256
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	3
DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1
ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 10	FOOT	2265
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	457
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	4
LIGHTING CONTROLLER TYPE CB-RCS 60 AMP-240 VOLT	EACH	1
FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	768
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	796
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1738
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1644
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1633
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	25
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 50 FT.	EACH	1
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE, 55 FT.	EACH	3
CONCRETE FOUNDATION, TYPE A	FOOT	6
CONCRETE FOUNDATION, TYPE C	FOOT	3.5
CONCRETE FOUNDATION, TYPE E, 36 INCH DIAMETER	FOOT	60
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	6
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	3
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	4
PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, BRACKET MOUNTED	EACH	4
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	13
INDUCTIVE LOOP DETECTOR	EACH	7
DETECTOR LOOP, TYPE 1	FOOT	869
LIGHT DETECTOR	EACH	4
LIGHT DETECTOR AMPLIFIER	EACH	4
PEDESTRIAN PUSH-BUTTON	EACH	4
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	599
ELECTRIC CABLE IN CONDUIT, NO. 20 3/C, TWISTED, SHIELDED	FOOT	1008
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	1

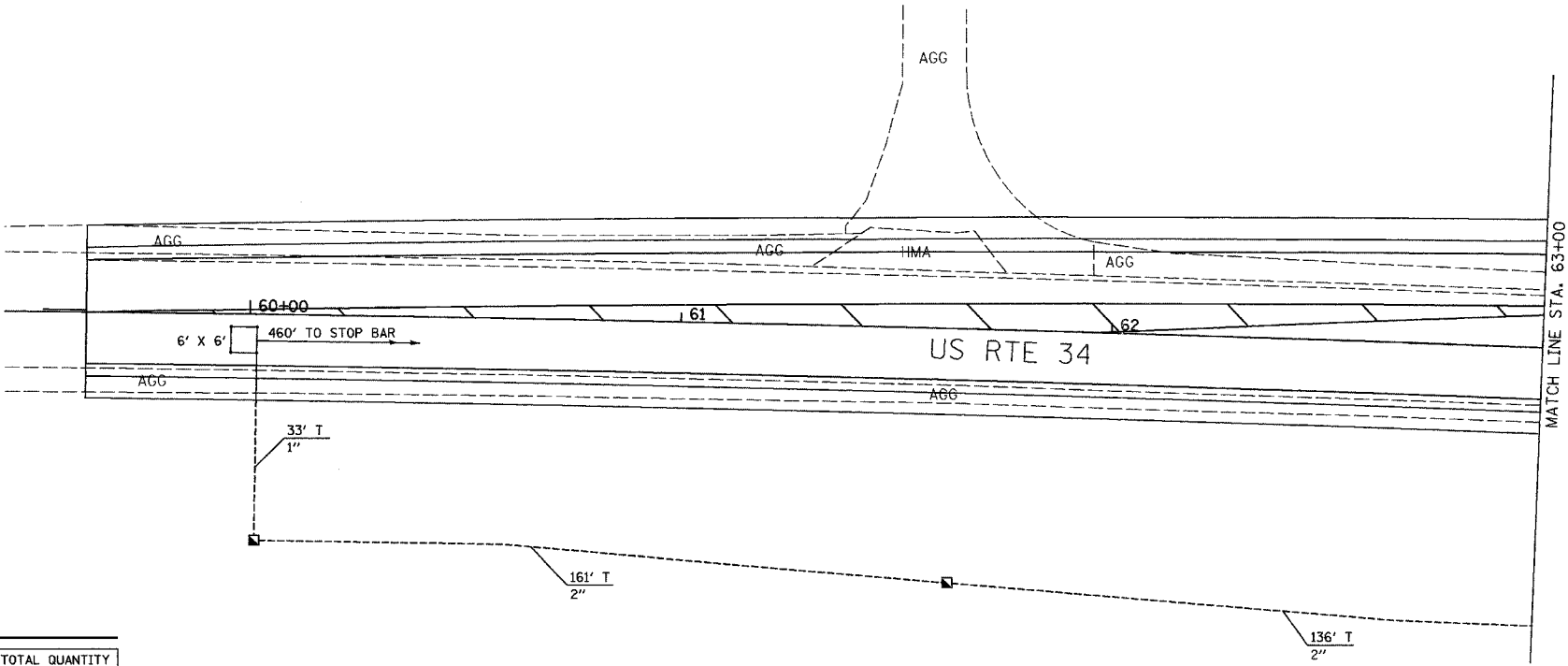
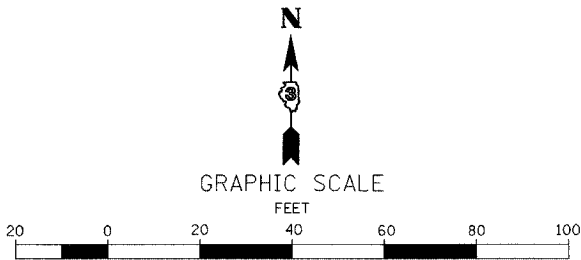
REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL PLANS
FAP 591 (US 34)
AND WAUBONSEE DRIVE
SECTION 06-00034-00-RP
KENDALL COUNTY

SCALE: VERT.
HORIZ.
DATE 02/07

DRAWN BY ARR
CHECKED BY JLS

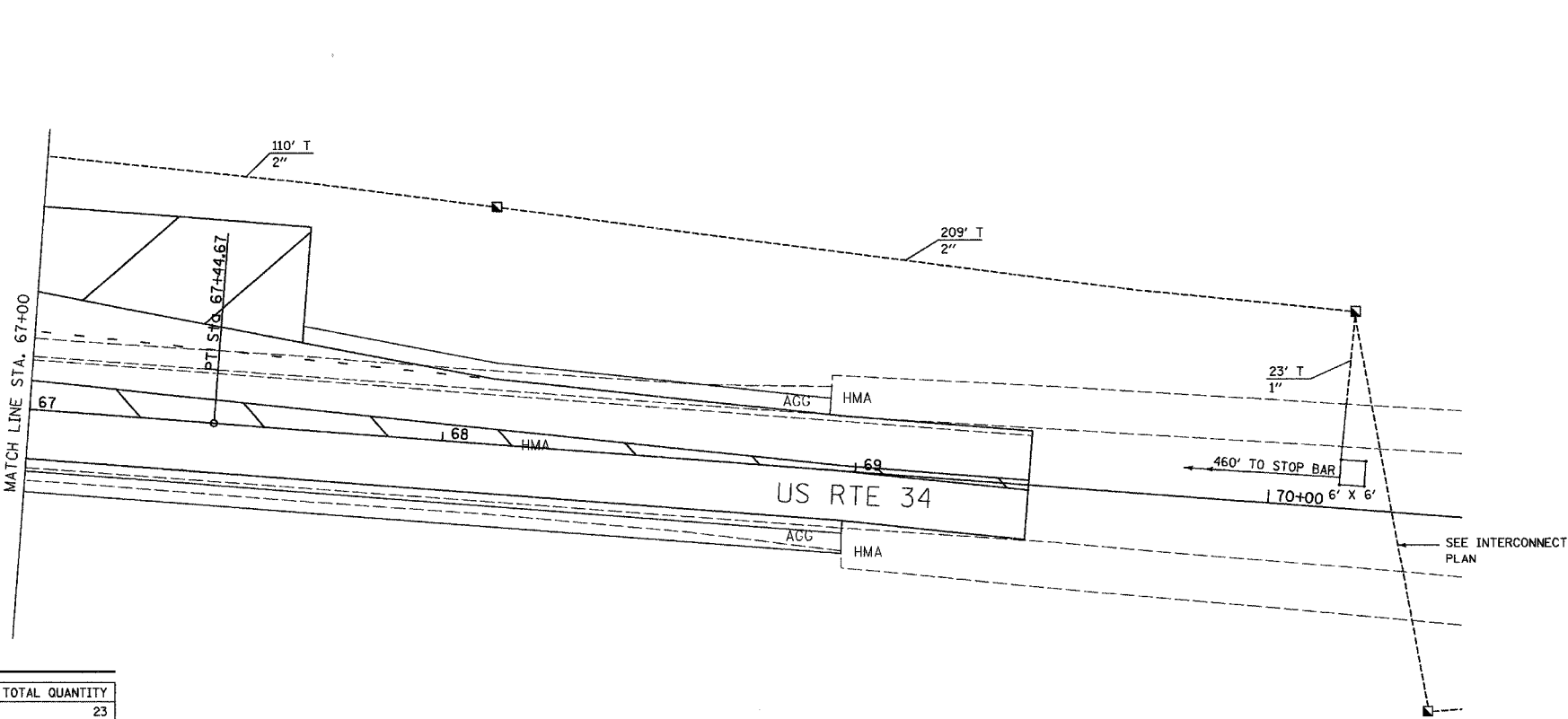
CONTRACT NO. 8733				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KENDALL	37	20
STA.		TO STA.		
FED. ROAD DIST. NO. _		ILLINOIS FED. AID PROJECT		
** FAP 591 (US 34)				
** SECTION 06-00034-00-RP				



SCHEDULE OF QUANTITIES

DESCRIPTION	UNIT	TOTAL QUANTITY
CONDUIT IN TRENCH, 1" DIA., PVC	FOOT	33
CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	297
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	2
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	330
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	310
INDUCTIVE LOOP DETECTOR	EACH	1
DETECTOR LOOP, TYPE 1	FOOT	35

TRAFFIC SIGNAL LEGEND	
	PROPOSED STEEL COMBINATION MAST ARM
	PROPOSED SIGNAL HEAD WITH BACKPLATE
	PROPOSED TRAFFIC SIGNAL POST, 16FT.
	PROPOSED PEDESTRIAN SIGNAL HEAD
	PROPOSED PEDESTRIAN PUSH BUTTON
	PROPOSED HANDHOLE, PORTLAND CEMENT CONCRETE
	PROPOSED DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE
	PROPOSED CONTROLLER AND TYPE IV CABINET
	PROPOSED SERVICE INSTALLATION TYPE B
	PROPOSED EMERGENCY VEHICLE DETECTOR
	PROPOSED CONDUIT
	PROPOSED DETECTOR LOOP



SCHEDULE OF QUANTITIES

DESCRIPTION	UNIT	TOTAL QUANTITY
CONDUIT IN TRENCH, 1" DIA., PVC	FOOT	23
CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	319
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	2
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	342
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	332
INDUCTIVE LOOP DETECTOR	EACH	1
DETECTOR LOOP, TYPE 1	FOOT	38

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL PLANS
FAP 591 (US 34)
AND WAUBONSEE DRIVE
SECTION 06-00034-00-RP
KENDALL COUNTY

SCALE: VERT.
DATE 02/07
DRAWN BY ARR
CHECKED BY JLS

PLOT DATE = 02/07
FILE NAME = Z81807TSP1AN2.DGN
PLOT SCALE = 1" = 20'
USER NAME = ARR

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KENDALL	37	21

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

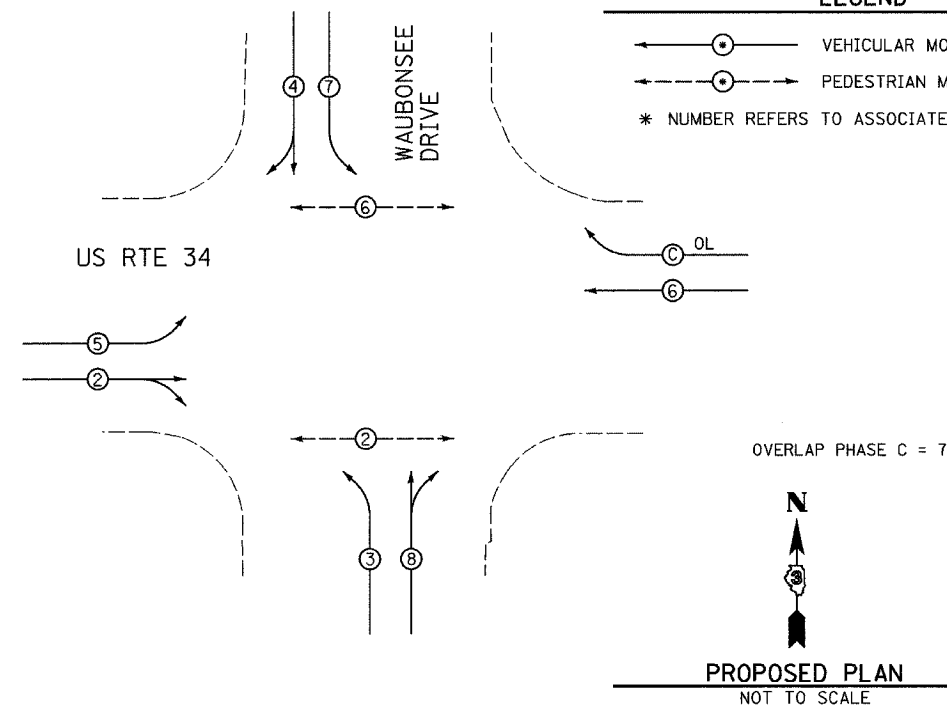
* FAP 591 (US 34)
 ** SECTION 06-00034-00-RP

CONTROLLER SEQUENCE

NAME OF INTERSECTION: US 34 WITH WAUBONSEE DRIVE
 CONTROLLER SPECIFIED: FULL-ACTUATED CONTROLLER, STANDARD SEQUENCE II, 8 PHASE, IN TYPE IV CABINET
 REFERRING TO STANDARD 857001, THE VEHICULAR AND PEDESTRIAN PHASES USED ARE DESIGNATED.

LEGEND

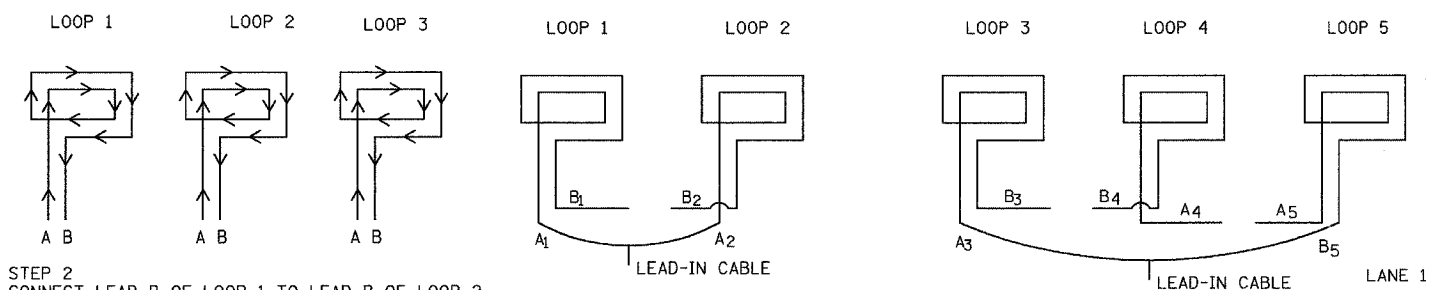
- ← ○ → VEHICULAR MOVEMENT
 ← ○ → PEDESTRIAN MOVEMENT
 * NUMBER REFERS TO ASSOCIATED PHASE



TRAFFIC SIGNALS LEGEND

OP	OPTICALLY PROGRAMMED SIGNAL HEAD	⊙	PEDESTRIAN PUSH BUTTON
⊙	DETNOTES NUMBER OF CONDUCTORS (NEW) ALL CABLE NO. 14 EXCEPT AS INDICATED	⊙	PEDESTRIAN SIGNAL HEAD
⊙P	DETNOTES NUMBER OF PAIR OF WIRE (NEW) ALL LOOP DETECTOR CABLE TO BE TWISTED, SHIELDED ALL CABLE NO. 14 EXCEPT AS INDICATED	⊙	EMERGENCY VEHICLE CONFIRMATION BEACON
**	PROPOSED INTERCONNECT CABLE	⊙	EMERGENCY VEHICLE LIGHT DETECTOR
⊙	DENOTES DETECTOR LOOP SYSTEM	⊙	VEHICLE DETECTOR, INDUCTION LOOP
⊙	PROPOSED CONTROLLER CABINET	⊙	VEHICLE DETECTOR, INDUCTION LOOP (BY OTHERS)
⊙	LEFT TURN RED	⊙	TRAFFIC SIGNAL BACKPLATE
⊙	LEFT TURN YELLOW	⊙	GROUND ROD AT POST (P) OR MAST ARM (MA) OR CONTROLLER (C) OR SERVICE INSTALLATION (S) OR HANDHOLE (H)
⊙	LEFT TURN GREEN	⊙	250 WATT HPS LUMINAIRE
⊙	SIGNAL SECTION 12"		
⊙	PROPOSED LIGHTING CONTROLLER CABINET		

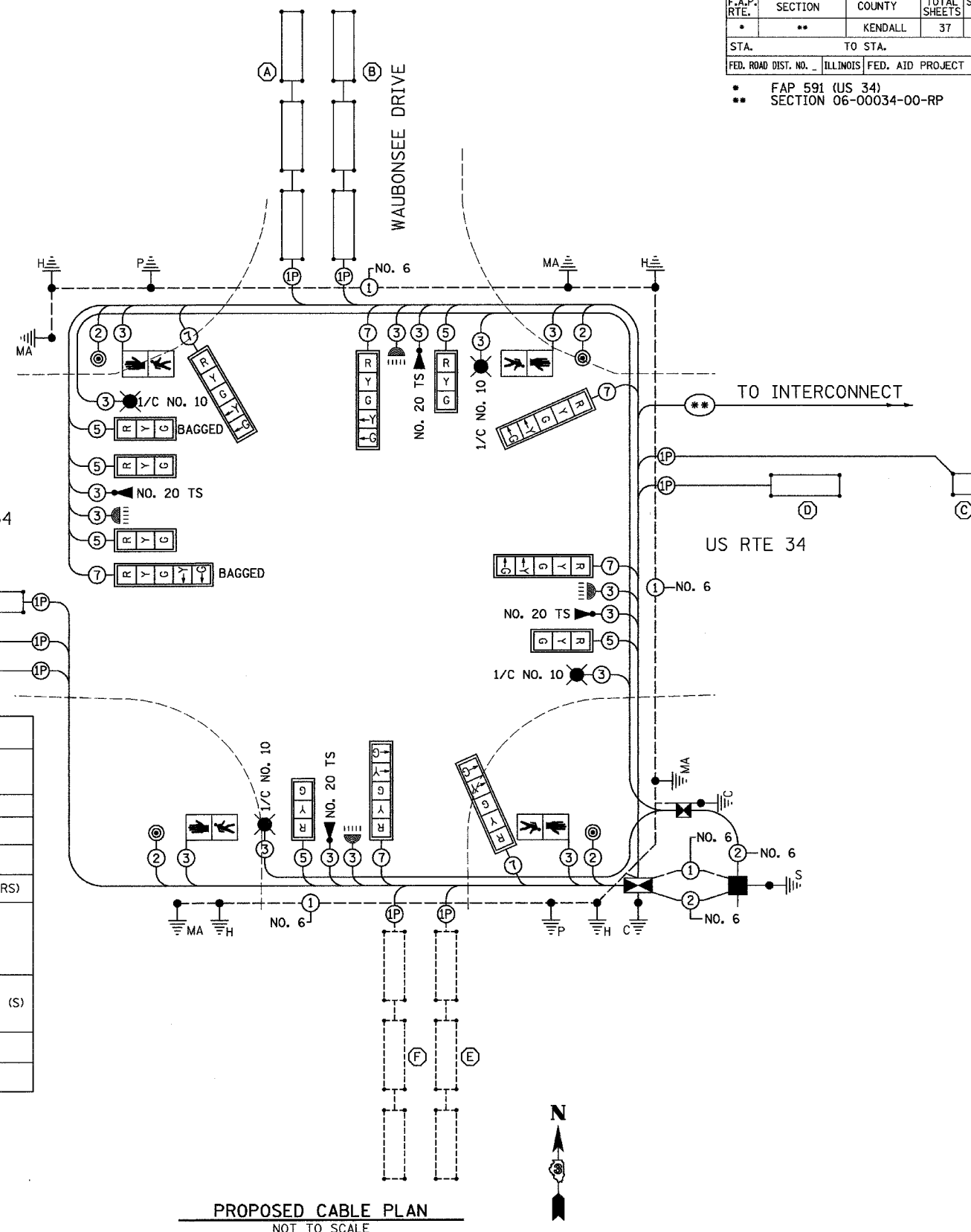
STEP 1
 WIND ALL LOOPS CLOCKWISE. LABEL BEGINNING END OF CABLE A. LABEL ENDING END OF CABLE B. FOLLOW DETECTOR LOOP CABLE MANUFACTURER'S INSTRUCTIONS ON NUMBER OF TURNS FOR LOOP.



DETECTOR LOOP WINDING AND SERIES SPLICING DETAIL

(SEE DETECTOR LOOP INDUCTANCE CHART FOR NUMBER OF TURNS)

US RTE 34



REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 TRAFFIC SIGNAL CABLE PLAN
 FAP 591 (US 34)
 AND WAUBONSEE DRIVE
 SECTION 06-00034-00-RP
 KENDALL COUNTY

SCALE: VERT.
 DATE 02/07
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 CHECKED BY JLS

DETECTOR LOOP INDUCTANCE CHART						
DETECTOR LOOP SYSTEM	Ø	LOCATION	TURNS PER LOOP	INDUCTANCE READING (MICROHENRIES)	FREQUENCY (HERTZ)	J PIN STATUS
A	4	SB STBR	4	724	22689	ON
B	7	SB LT	4	726	22648	ON
C	6	WB FAR	6	380	31298	ON
D	6	WB STBR	4	299	35300	OFF
E	8	NB STBR	4	793	21671	ON
F	3	NB LT	4	795	21653	ON
G	2	EB FAR	6	388	30986	ON
H	2	EB STBR	4	305	34967	OFF
I	5	EB LT	4	829	21200	ON

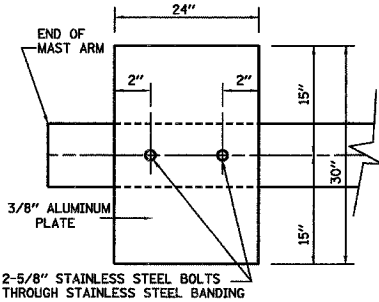
J PIN STATUS: "ON" MEANS STANDARD DETECTOR SETUP. "OFF" MEANS J WIRE HAS BEEN DISCONNECTED. BUT INTACT, AT THE HARNESS PANEL WITH THE NECESSARY

ELECTRICAL LOAD FOR INTERSECTION				
STREET NAME	COMPONENT	NUMBER	WATTAGE EACH	BURNTIME %
US RTE 34	RED	5	10	54
	YELLOW	5	19	4
	GREEN	5	14	42
	YELLOW ARROW LT.	2	9	5
	GREEN ARROW LT.	2	3.4	21
WAUBONSEE DRIVE	RED	6	10	70
	YELLOW	6	19	4
	GREEN	6	14	26
	YELLOW ARROW LT.	4	9	4
	GREEN ARROW LT.	4	3.4	16
TRAFFIC SIGNAL CABINET	CONTROLLER	1	6	100
	VEHICLE DETECTORS	9	4	100
	UPS	1	50	100
HIGHWAY LIGHTING	LUMINAIRE HPS	4	400	50

AGENCY RESPONSIBLE FOR TRAFFIC SIGNAL ENERGY CHARGES:
UNITED CITY OF PLANO
(NOTE: SEPERATE ENERGY BILLS FOR HIGHWAY LIGHTING AND TRAFFIC SIGNALS SHALL BE SUBMITTED TO THE UNITED CITY OF PLANO.)
7 NORTH JAMES STREET
PLANO, ILLINOIS 60545
708-552-8275

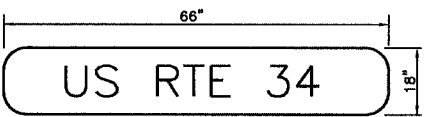
NOTE:

DAMPENING DEVICE SHALL CONSIST OF A 24" X 30" TYPE 1, UNPAINTED ALUMINUM SIGN STOCK MOUNTED HORIZONTALLY ON TOP OF MAST ARM WITH THE 30" LENGTH PERPENDICULAR TO THE ARM. COST OF THE DAMPENING DEVICE IS INCLUDED IN THE MAST ARM PAY ITEM.



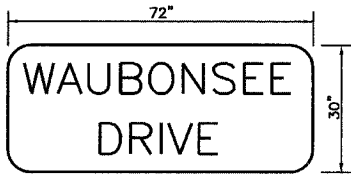
NOTE: MOUNT DAMPENING PLATE TO END OF EACH TRAFFIC SIGNAL MAST ARM.

DAMPENING PLATE DETAIL - TOP VIEW



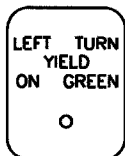
TYPE A SHEETING REQUIRED
8" D SERIES LETTERS
2 SIGN REQUIRED = 8.25 SQ. FT. EACH
= 16.50 SQ. FT. TOTAL

THIS STREET NAME SIGN SHALL BE PLACED ON THE MAST ARMS PARALLEL WITH US ROUTE 34



TYPE A SHEETING REQUIRED
8" D SERIES LETTERS
2 SIGNS REQUIRED = 15.0 SQ. FT. EACH
= 30.0 SQ. FT. TOTAL

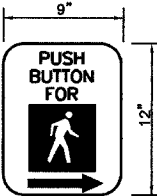
THIS STREET NAME SIGN SHALL BE PLACED ON THE MAST ARMS PARALLEL WITH WAUBONSEE DRIVE



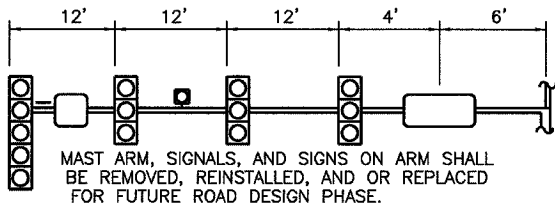
R10 - 12
24" X 30"

TYPE A SHEETING REQUIRED
4 SIGNS REQUIRED = 5 SQ.FT. EACH
= 20 SQ.FT. TOTAL

THIS SIGN SHALL BE LOCATED 6" TO 12" TO THE RIGHT OF EACH 5 SECTION MAST ARM MOUNTED LEFT TURN SIGNAL AND DIRECTLY BELOW AND PARALLEL TO THE BACKPLATE OF EACH POST BRACKETED 5 SECTION LEFT TURN SIGNAL FOR THE NORTHBOUND AND SOUTHBOUND APPROACHES.

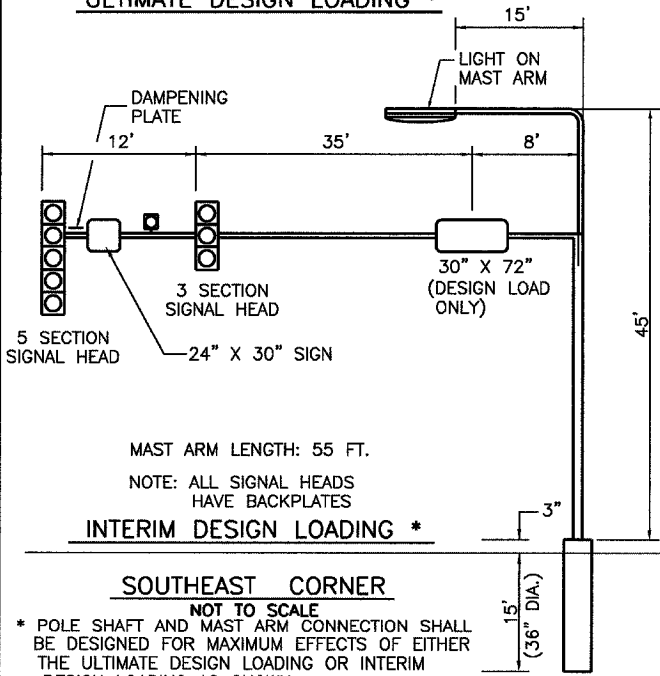


THE CONTRACTOR SHALL SUPPLY AND MOUNT ONE SIGN WITH EACH PEDESTRIAN PUSH-BUTTON AND THIS SHALL BE INCLUDED IN THE COST OF PEDESTRIAN PUSH-BUTTON PAY ITEM.



MAST ARM LENGTH: 46 FT.

ULTIMATE DESIGN LOADING *

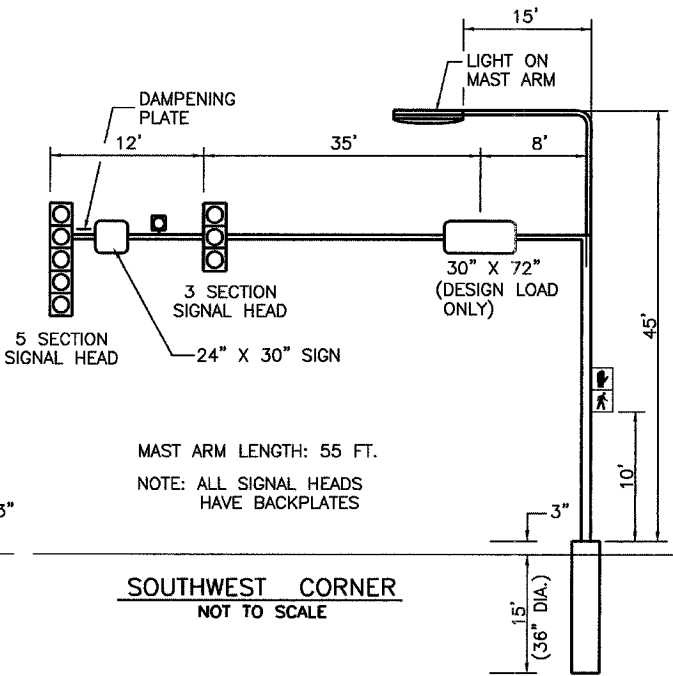


INTERIM DESIGN LOADING *

SOUTHEAST CORNER

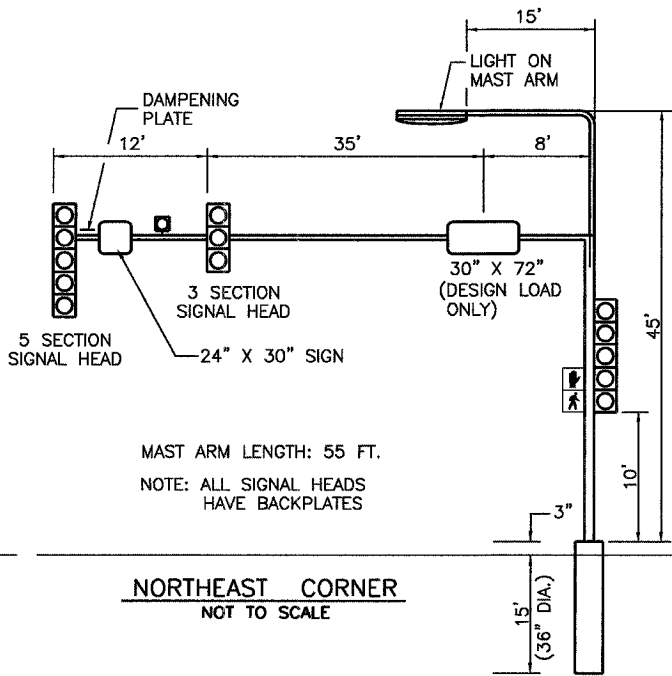
NOT TO SCALE

* POLE SHAFT AND MAST ARM CONNECTION SHALL BE DESIGNED FOR MAXIMUM EFFECTS OF EITHER THE ULTIMATE DESIGN LOADING OR INTERIM DESIGN LOADING AS SHOWN.



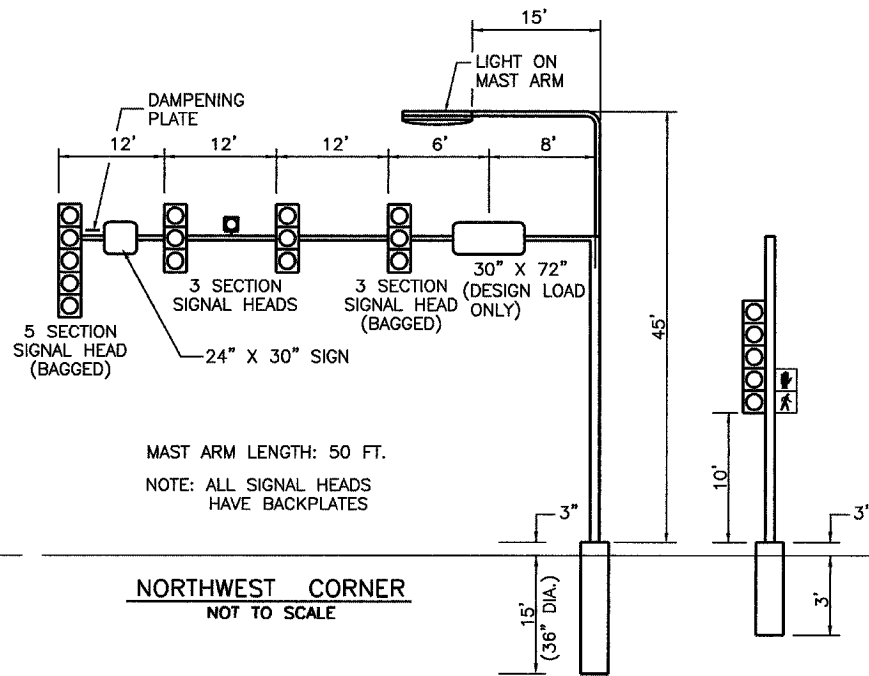
SOUTHWEST CORNER

NOT TO SCALE



NORTHEAST CORNER

NOT TO SCALE



NORTHWEST CORNER

NOT TO SCALE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL DETAILS
FAP 591 (US 34)
AND WAUBONSEE DRIVE
SECTION 06-00034-00-RP
KENDALL COUNTY

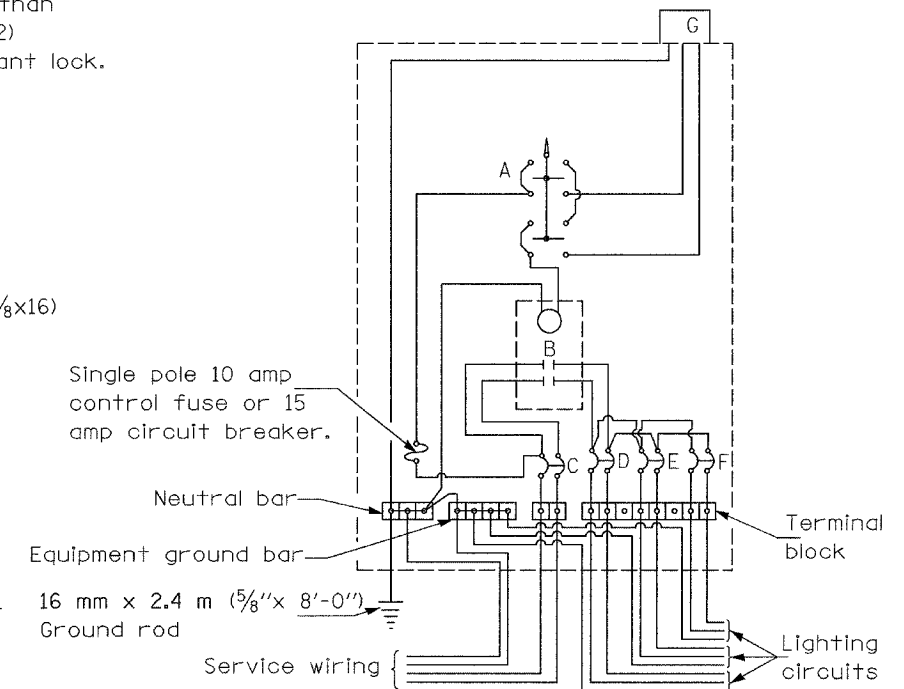
SCALE: VERT.
DATE 02/07

DRAWN BY ARR
CHECKED BY JLS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KENDALL	37	23
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FAP 591 (US 34)
SECTION 06-00034-00-RP

- A Selector switch
B 2 Pole 60 amp contactor
C 2 Pole 60 amp service disconnect
D,E,F 2 Pole 30 amp breakers
G Photocell w/integral surge arrester



WIRING DIAGRAM

GENERAL NOTES

Locate service pole and control installation adjacent to R.O.W. line with a minimum distance of 9 m (30') from the edge of pavement. Exact location shall be established by the Engineer.

The underground service entrance wiring shall not exceed 46 m (150'). Total aerial and underground service between the control installation and primary transformer shall not exceed 76 m (250').

For 480 V. systems, a 480/120 V. control transformer will be required.

Where soil conditions permit, and where approved by the Engineer, a 150 mm dia. x 1.5 m (6" dia. x 5'-0") long metal screw in foundation may be used in lieu of a concrete foundation.

All dimensions are in millimeters unless otherwise shown.

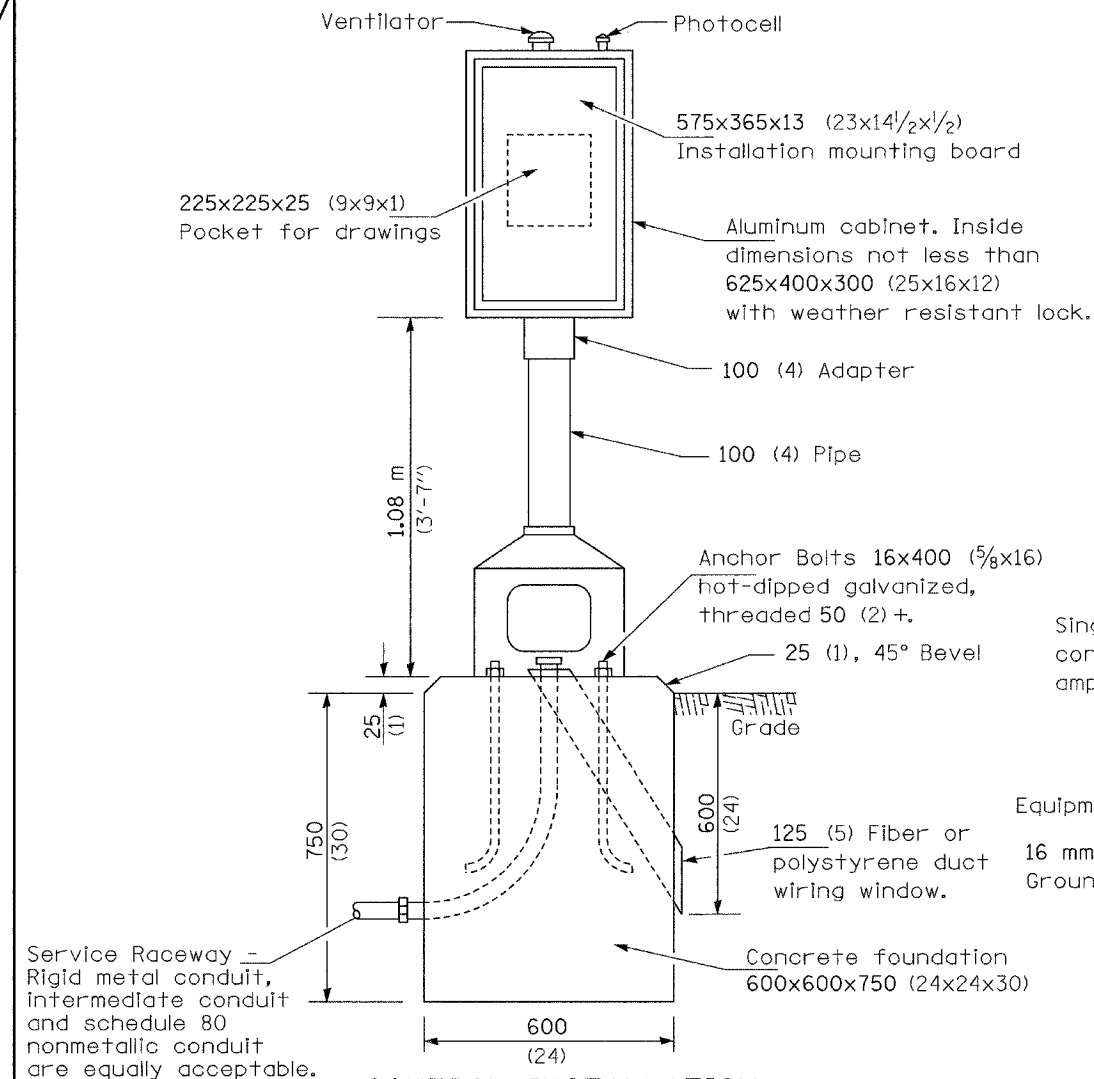
CONTROL INSTALLATION TYPE CB-RCS-60

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL DETAILS
FAP 591 (US 34)
AND WAUBONSEE DRIVE
SECTION 06-00034-00-RP
KENDALL COUNTY

SCALE: VERT.
DATE 02/07

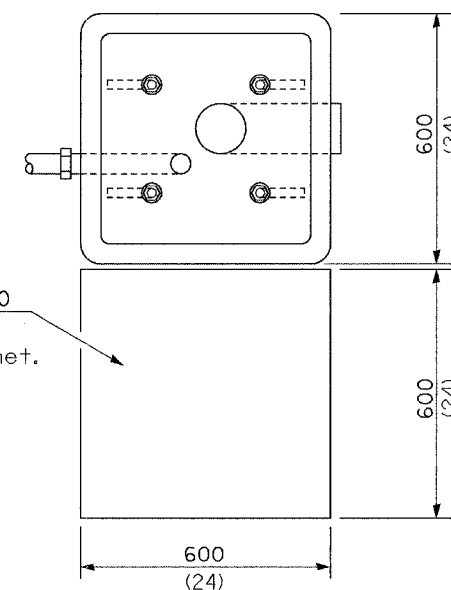
DRAWN BY ARR
CHECKED BY JLS



CONTROL INSTALLATION

Front View

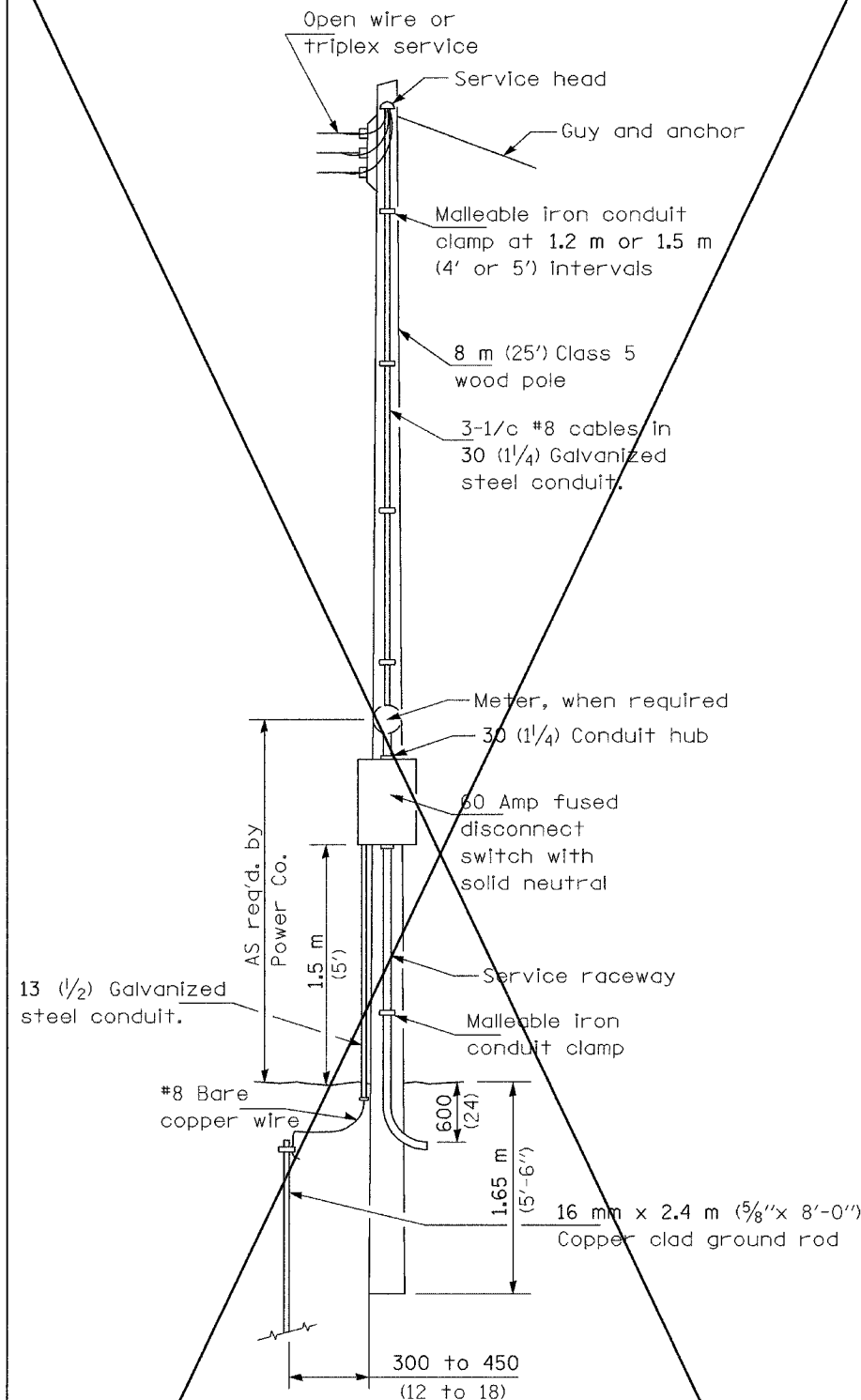
Concrete pad 600x600x200 (24x24x8) to be placed in front of control cabinet.



FOUNDATION

Top View

- ☒ 240 V. SERVICE
☐ 480 V. SERVICE



SERVICE POLE

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KENDALL	37	24

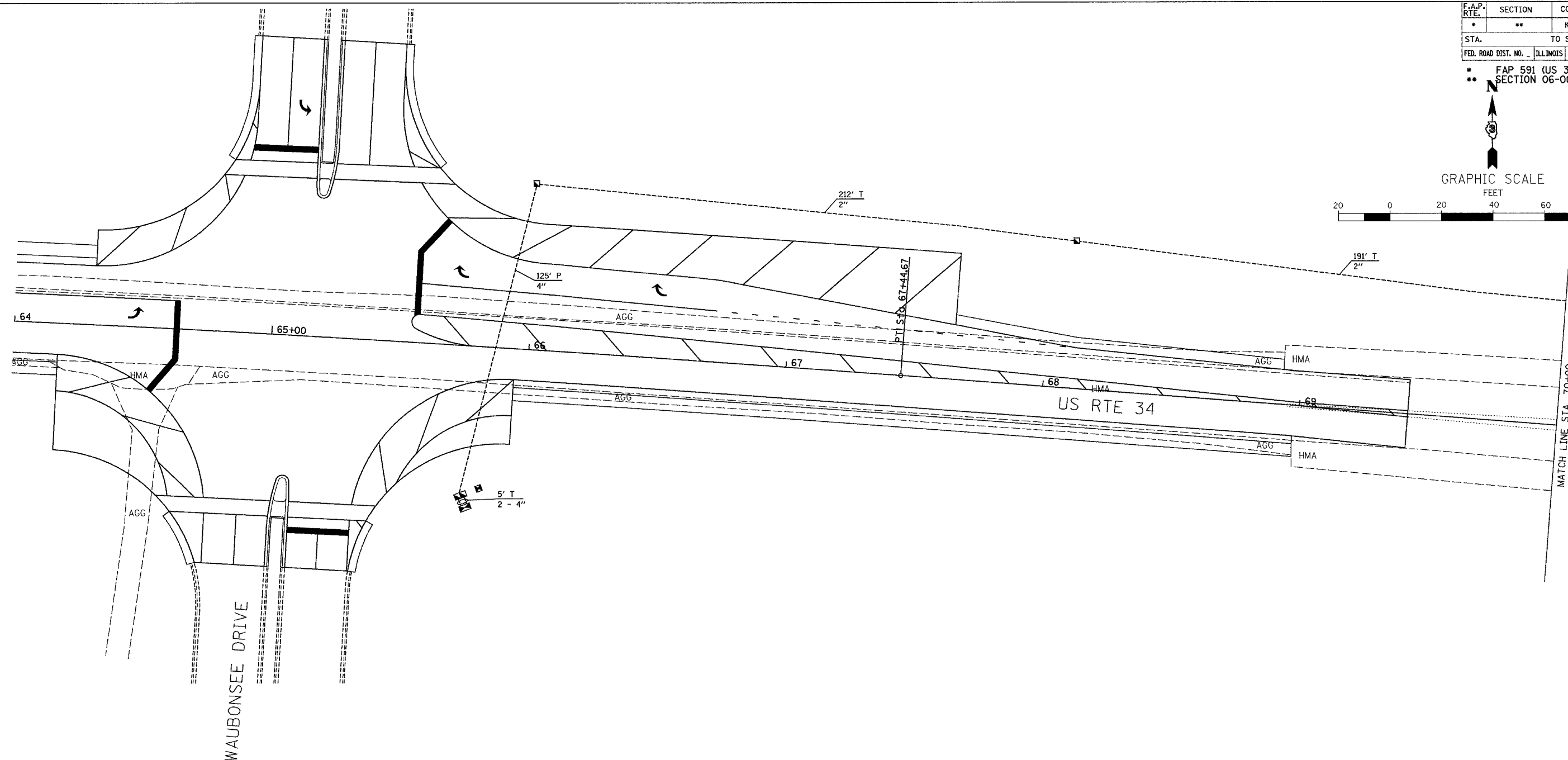
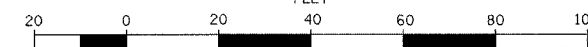
STA.	TO STA.
------	---------

FED. ROAD DIST. NO. _	ILLINOIS	FED. AID PROJECT
-----------------------	----------	------------------

* FAP 591 (US 34)
** SECTION 06-00034-00-RP







GRAPHIC SCALE



SCHEDULE OF QUANTITIES

DESCRIPTION	UNIT	TOTAL QUANTITY
TRANSCEIVER-FIBER OPTIC	EACH	
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	562
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	562

TRAFFIC SIGNAL LEGEND

	PROPOSED HANDHOLE, PORTLAND CEMENT CONCRETE
	PROPOSED DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE
	PROPOSED CONTROLLER AND TYPE IV CABINET
	EXISTING HANDHOLE
-----	PROPOSED CONDUIT
-----	EXISTING CONDUIT

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		TRAFFIC SIGNAL INTERCONNECT PLANS
		FAP 591 (US 34)
		AND WAUBONSEE DRIVE
		SECTION 06-00034-00-RP
		KENDALL COUNTY
		SCALE: <u>VERT.</u>
		DATE 02/07
		DRAWN BY ARR
		CHECKED BY JLS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	KENDALL	37	25
STA.		TO STA.		
FED. ROAD DIST. NO. _		ILLINOIS	FED. AID PROJECT	

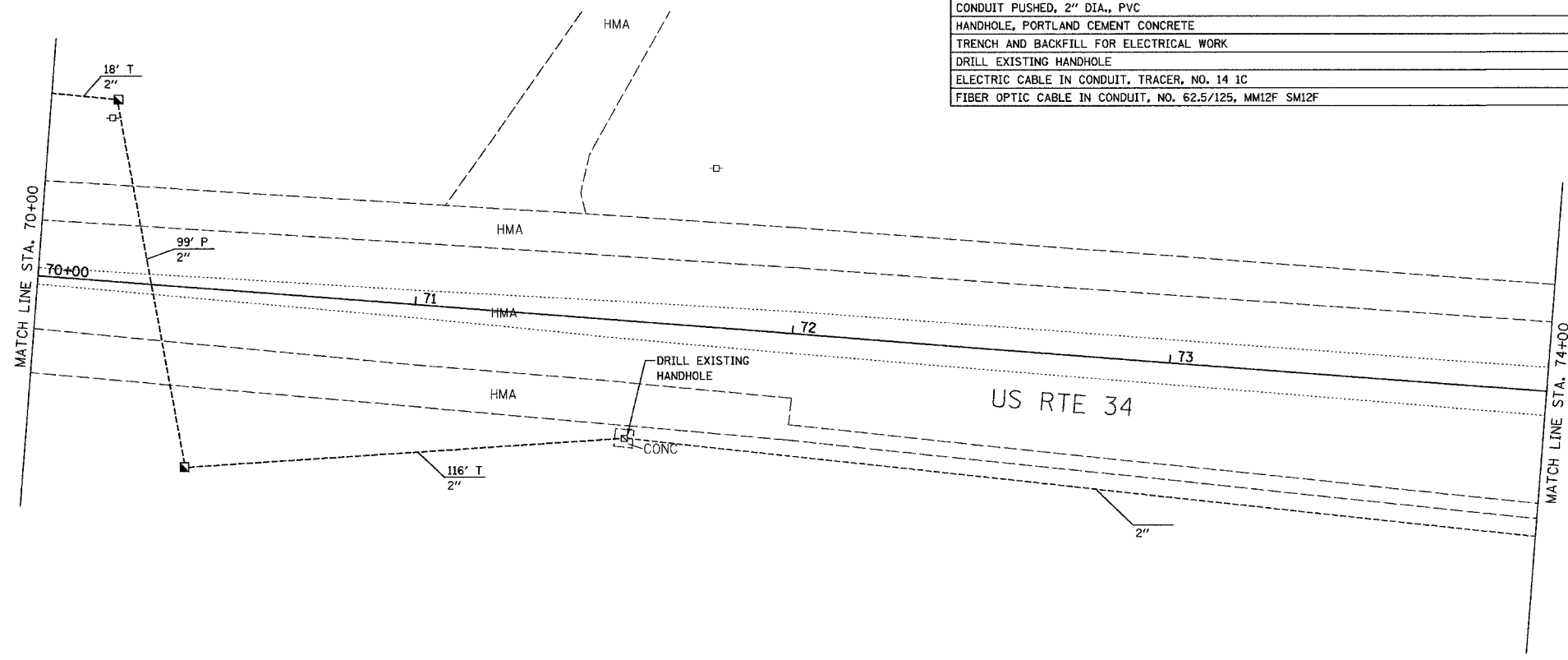
FAP 591 (US 34)
SECTION 06-00034-00-RP

GRAPHIC SCALE



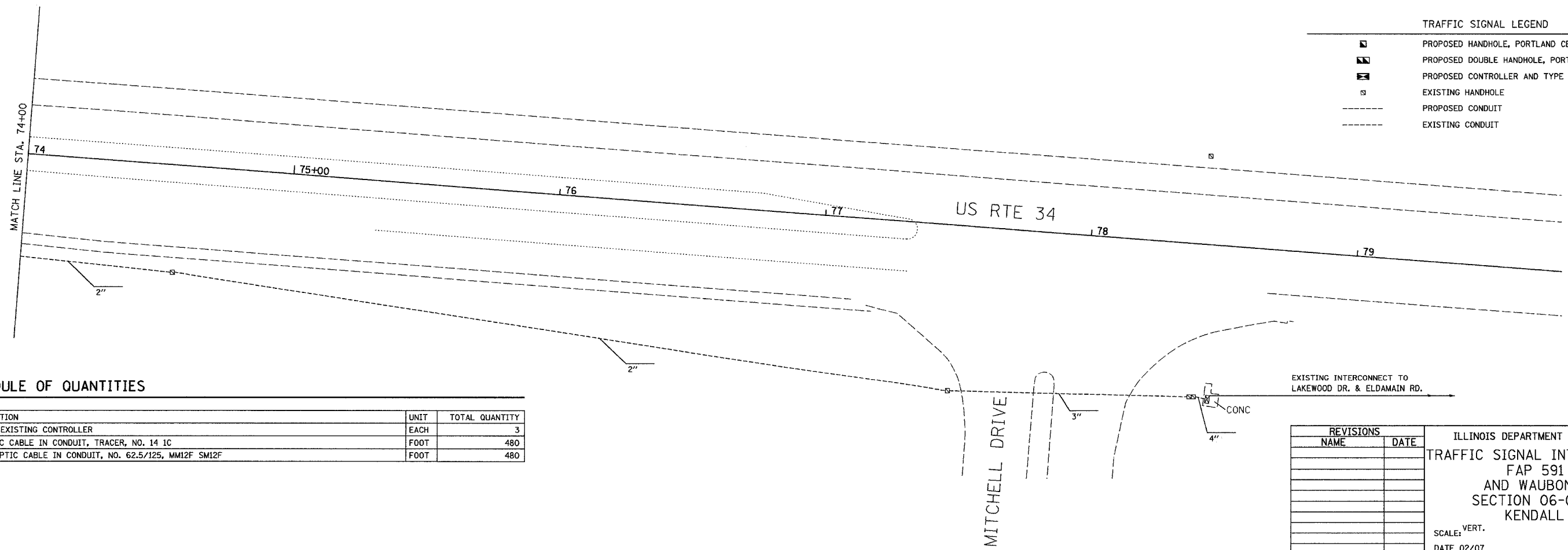
SCHEDULE OF QUANTITIES

DESCRIPTION	UNIT	TOTAL QUANTITY
CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	116
CONDUIT PUSHED, 2" DIA., PVC	FOOT	99
HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	116
DRILL EXISTING HANDHOLE	EACH	1
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	496
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	496



TRAFFIC SIGNAL LEGEND

- PROPOSED HANDHOLE, PORTLAND CEMENT CONCRETE
- PROPOSED DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE
- PROPOSED CONTROLLER AND TYPE IV CABINET
- EXISTING HANDHOLE
- PROPOSED CONDUIT
- EXISTING CONDUIT



SCHEDULE OF QUANTITIES

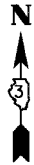
DESCRIPTION	UNIT	TOTAL QUANTITY
MODIFY EXISTING CONTROLLER	EACH	3
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	480
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	480

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
TRAFFIC SIGNAL INTERCONNECT PLAN
FAP 591 (US 34)
AND WAUBONSEE DRIVE
SECTION 06-00034-00-RP
KENDALL COUNTY
SCALE: VERT.
DATE 02/07
DRAWN BY ARR
CHECKED BY JLS

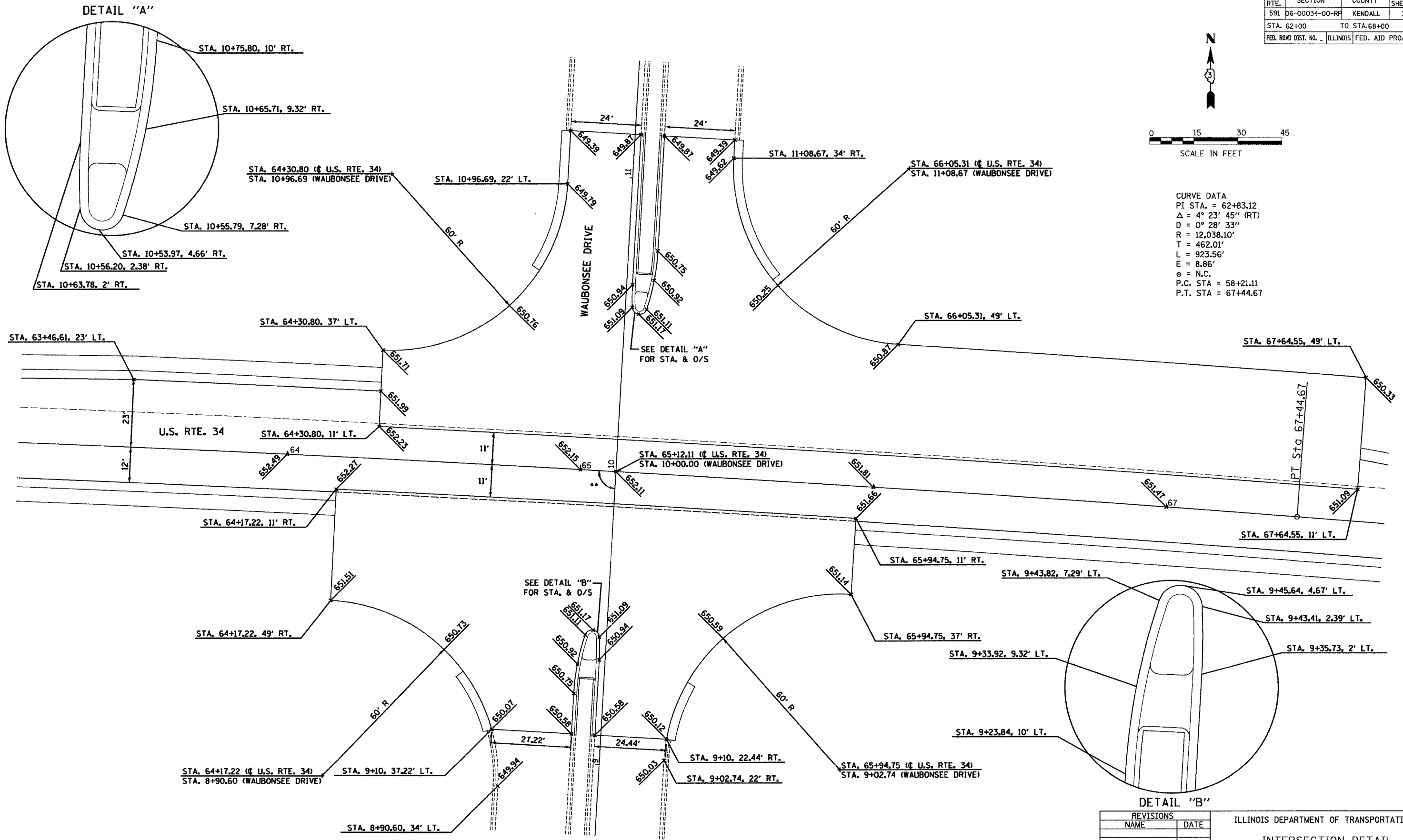
PLOT DATE = 02/07
PLOT NAME = 252507TSINTERC.DGN
PLOT SCALE = 1" = 20'
USER NAME = ARR

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	06-00034-00-RP	KENDALL	37	27
STA. 62+00		TO STA. 68+00		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		



0 15 30 45
SCALE IN FEET

CURVE DATA
PI STA. = 62+83.12
 Δ = 4° 23' 45" (RT)
D = 0° 28' 33"
R = 12,038.10'
T = 462.01'
L = 923.56'
E = 8.86'
e = N.C.
P.C. STA = 58+21.11
P.T. STA = 67+44.67



.. 90° TO LOCAL TANGENT

PLOT DATE = 04/07/07
FILE NAME = 06-00034-00-RP
PLOT SCALE = 1/8" = 1'-0"
USER NAME = J.D.J.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

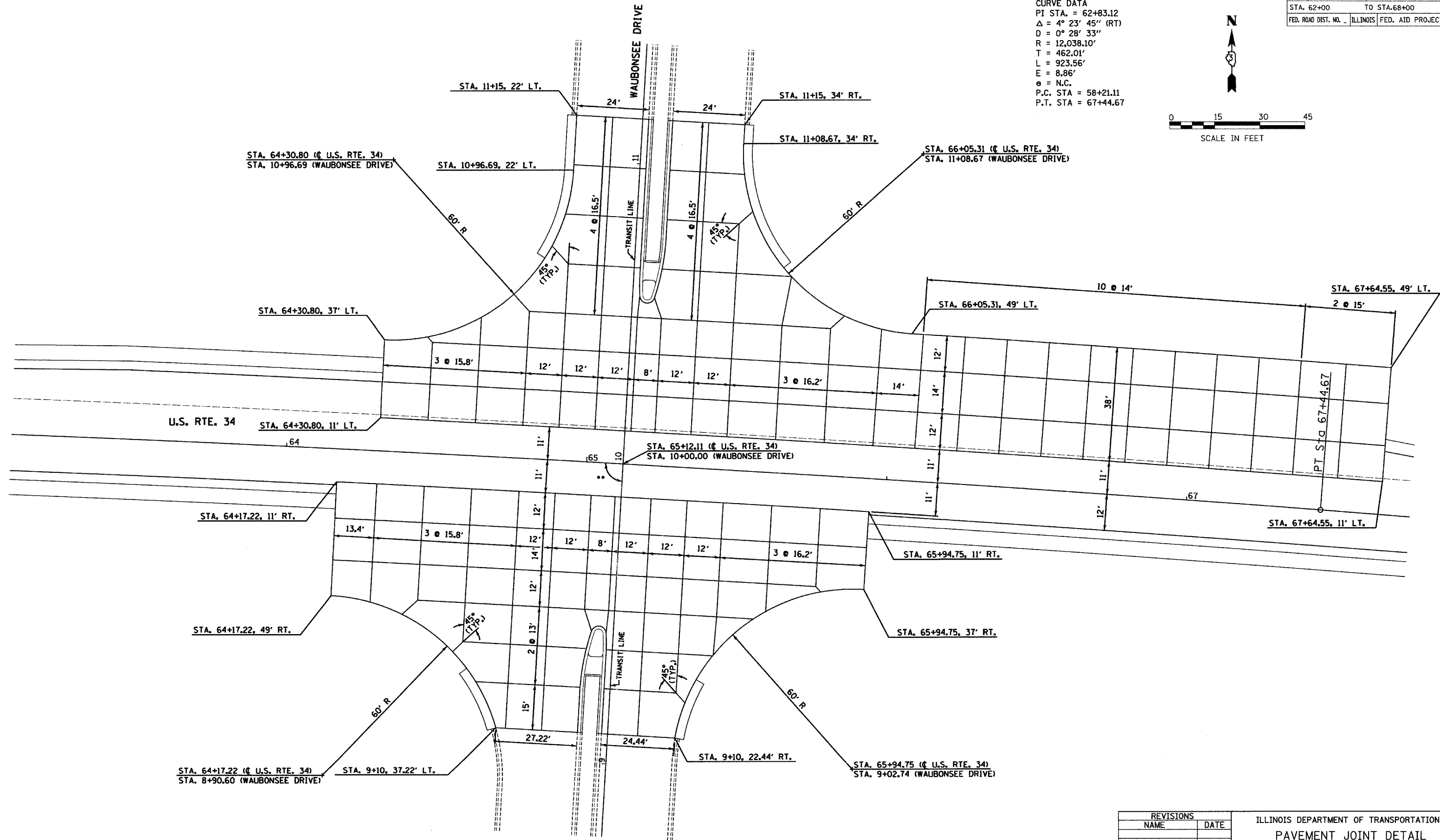
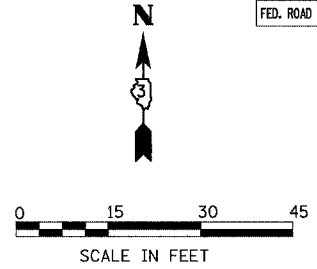
INTERSECTION DETAIL
FAP 591 (US 34)
AND WAUBONSEE DRIVE
SECTION 06-00034-00-RP
KENDALL COUNTY

SCALE: VERT.
HORIZ.
DATE: 02/07

DRAWN BY: NOE/NV
CHECKED BY: D.J.D.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	06-00034-00-RP	KENDALL	37	28
STA. 62+00		TO STA. 68+00		
FED. ROAD DIST. NO. - ILLINOIS		FED. AID PROJECT		

CURVE DATA
 PI STA. = 62+83.12
 $\Delta = 4^\circ 23' 45''$ (RT)
 $D = 0^\circ 28' 33''$
 $R = 12,038.10'$
 $T = 462.01'$
 $L = 923.56'$
 $E = 8.86'$
 $e = N.C.$
 P.C. STA = 58+21.11
 P.T. STA = 67+44.67



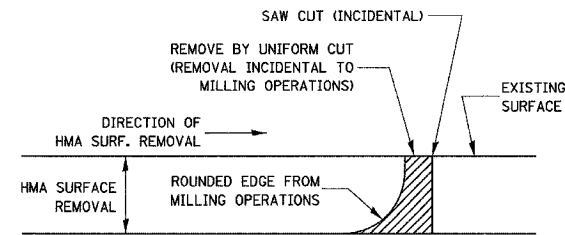
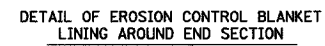
.. 90° TO LOCAL TANGENT

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 PAVEMENT JOINT DETAIL
 FAP 591 (US 34)
 AND WAUBONSEE DRIVE
 SECTION 06-00034-00-RP
 KENDALL COUNTY

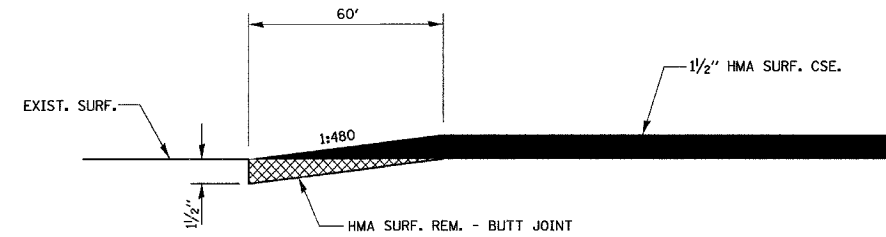
SCALE: VERT.
 HORIZ.
 DATE: 02/07

DRAWN BY: NOE/NV
 CHECKED BY: DJD

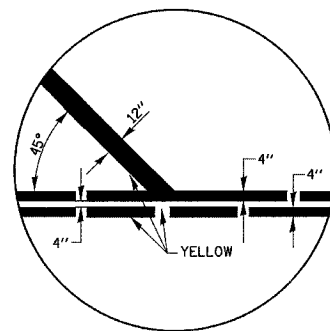


NOTE:
WHEN MILLING OPERATIONS PRODUCE A ROUNDED EDGE,
THEN A SAW CUT SHALL BE USED TO MANUFACTURE
A PERPENDICULAR EDGE AS SHOWN IN THE DETAIL.
THE ENGINEER SHALL BE THE SOLE JUDGE
CONCERNING THE USE OF THIS DETAIL

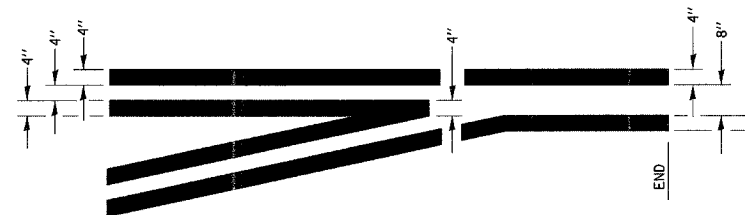
HMA DETAIL AT BUTT JOINTS



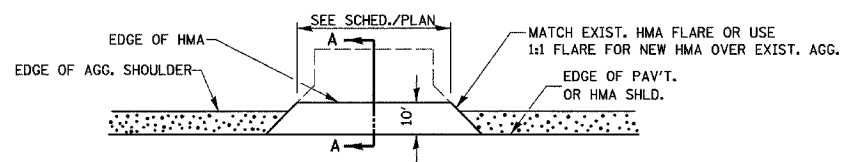
BUTT JOINT DETAIL



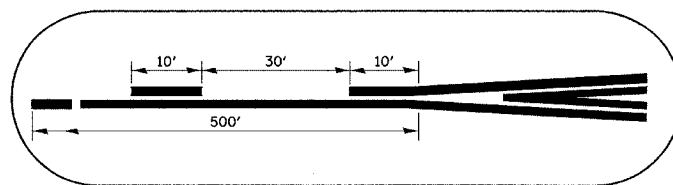
STRIPPING DETAIL



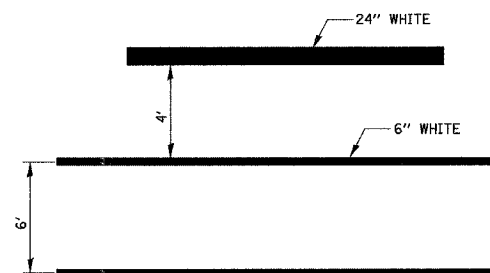
TYPICAL APPLICATION
@ LEFT TURN LANES



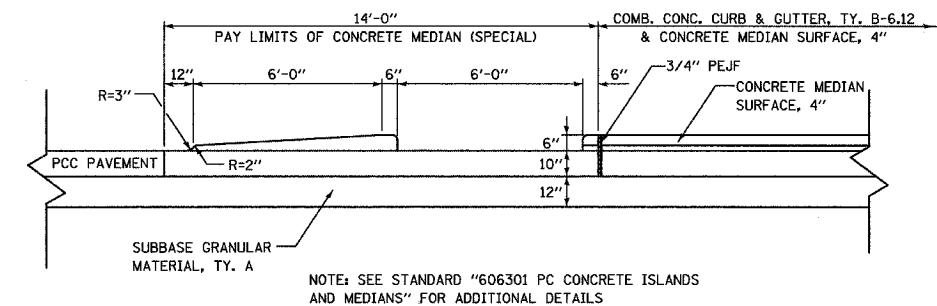
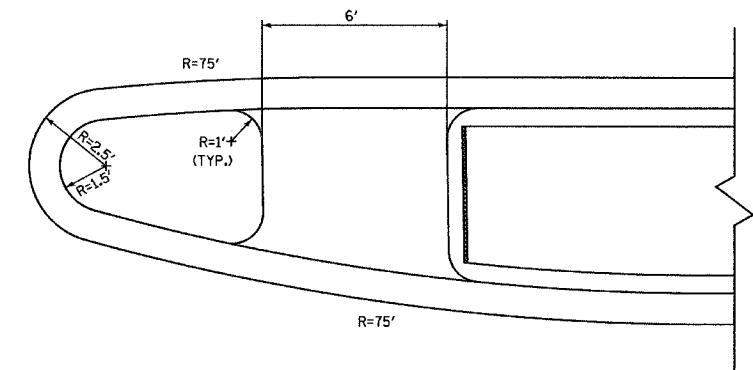
PLAN AT PRIVATE & COMMERCIAL ENTRANCES
(DO NOT RESURFACE FIELD ENTRANCES)



TYPICAL END OF PAINTED MEDIAN



**TYPICAL SPACING DETAIL FOR
CROSSWALKS AND STOP BARS**



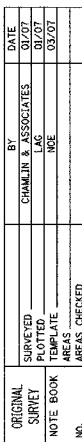
CONCRETE MEDIAN (SPECIAL) DETAIL

[illegible]

ILLINOIS DEPARTMENT OF TRANSPORTATION
MISC. DETAILS
FAP 591 (US 34)
AND WAUBONSEE DRIVE
SECTION 06-00034-00-RP
KENDALL COUNTY

SCALE: VERT. DRAWN BY: NOE/NV
HORIZ. DATE: 02/07 CHECKED BY: DJD

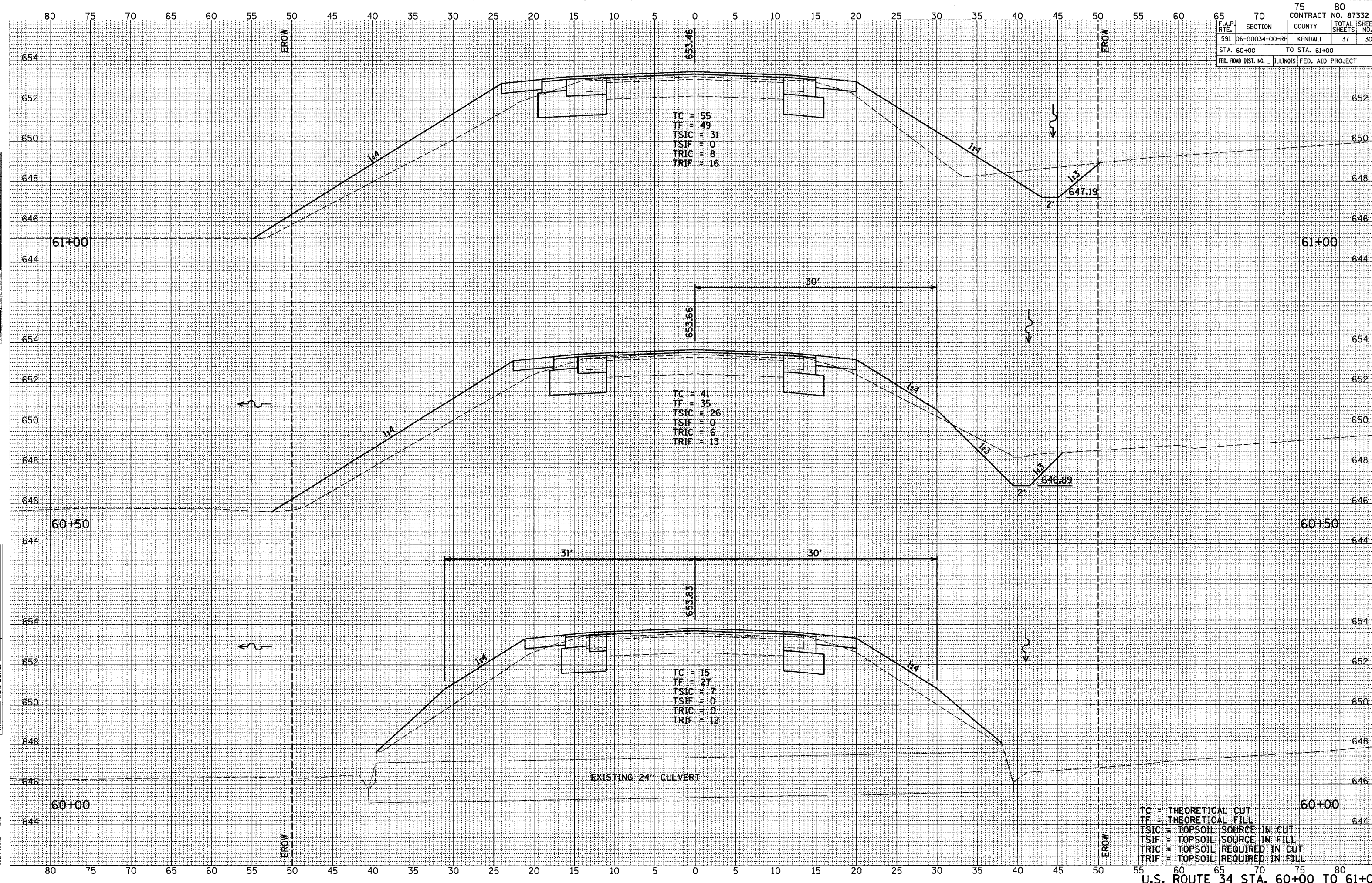
65		70		75		80	
				CONTRACT NO.		87332	
F.A.P. R.T.E.	SECTION		COUNTY		TOTAL SHEETS		SHEET NO.
591	06-00034-00-RP		KENDALL		37		30
STA. 60+00				TO STA. 61+00			
FED. ROAD DIST. NO. _		ILLINOIS		FED. AID PROJECT			



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PLOT DATE = 01/07
FILE NAME = Z01807XS34-SHTS
PLOT SCALE = AS SHOWN
USER NAME = LAG

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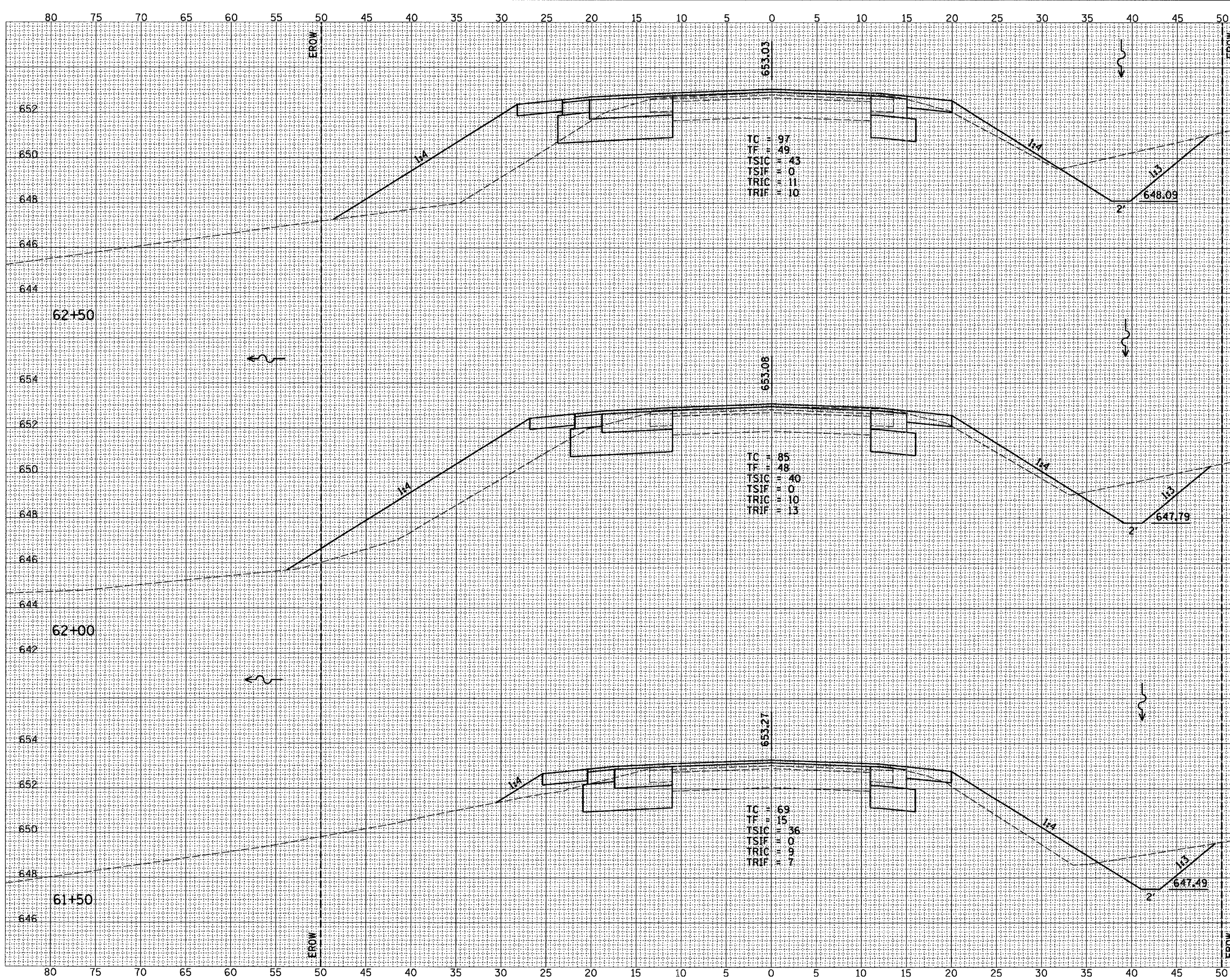


FINAL SURVEY	DATE	
	BY	
	SURVEYED	
	NOTE BOOK	
	NO.	

ORIGINAL SURVEY	DATE	
	BY	
	SURVEYED	
	NOTE BOOK	
	NO.	

PLOT DATE = 01/07
FILE NAME = Z08074334-SHTS
PLOT SCALE = AS SHOWN
USER NAME = LAG

F.A.P. RTE.	SECTION	COUNTY	CONTRACT NO. 8733	TOTAL SHEETS	SH N
591	06-00034-00-RF	KENDALL		37	
STA. 61+50		TO STA. 62+50		FED. AID PROJECT	
FED. ROAD DIST. NO.		ILLINOIS			



TC = THEORETICAL CUT
TF = THEORETICAL FILL
TSIC = TOPSOIL SOURCE IN CUT
TSIF = TOPSOIL SOURCE IN FILL
TRIC = TOPSOIL REQUIRED IN CUT
TRIF = TOPSOIL REQUIRED IN FILL

U.S. ROUTE 34 STA. 61+50 TO 62+

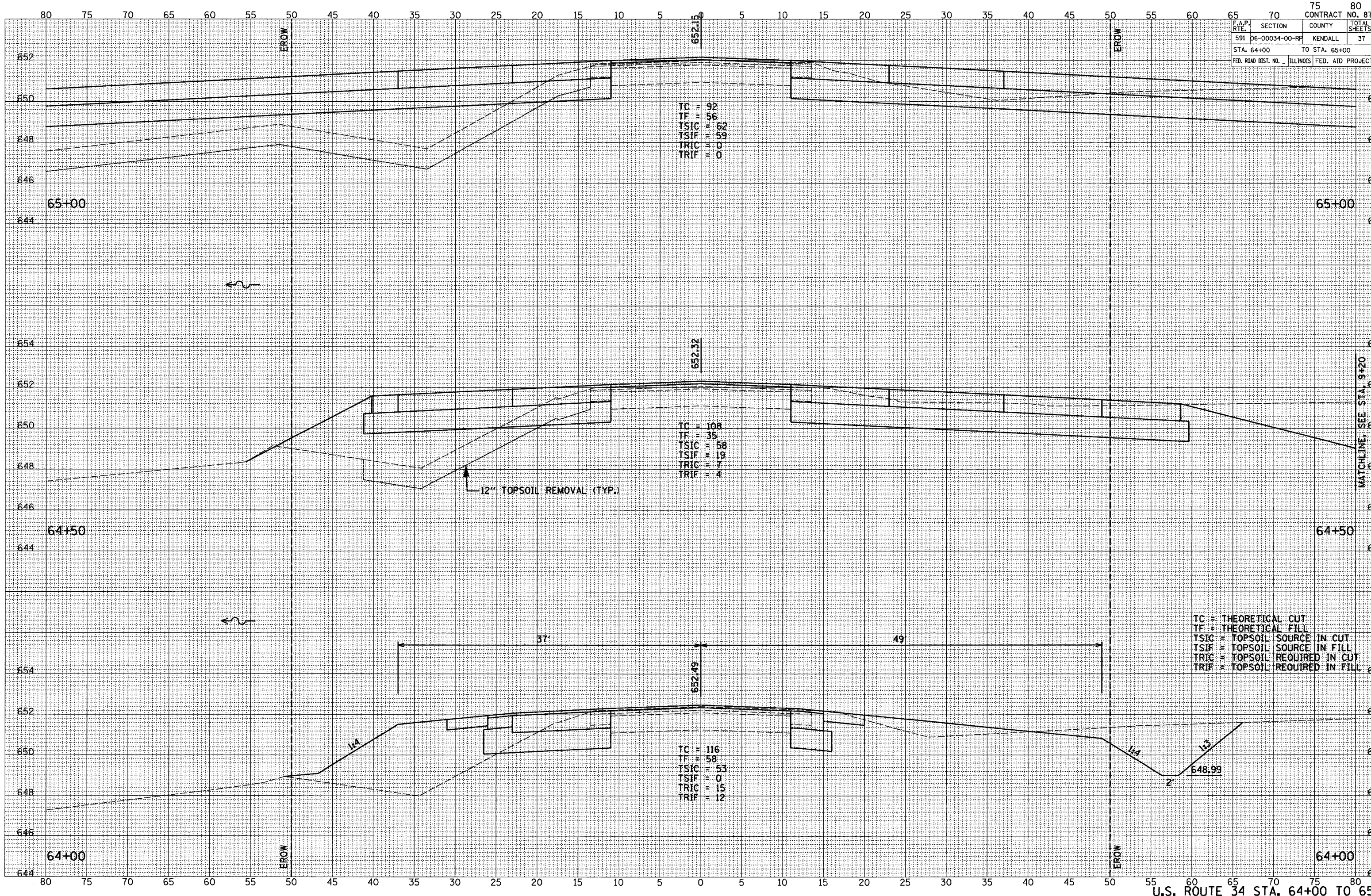
FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED	CHAMLIN & ASSOCIATES	01/07
NO.	TEMPLATE	LAG	01/07
	AREAS CHECKED	WSE	03/07

PLOT DATE = 01/07
FILE NAME = 22807634-SHTS
DRAWN BY = LAG
USER NAME = LAG

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	D6-00034-00-RP	KENDALL	37	3
STA. 64+00		TO STA. 65+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

CONTRACT NO. 87332

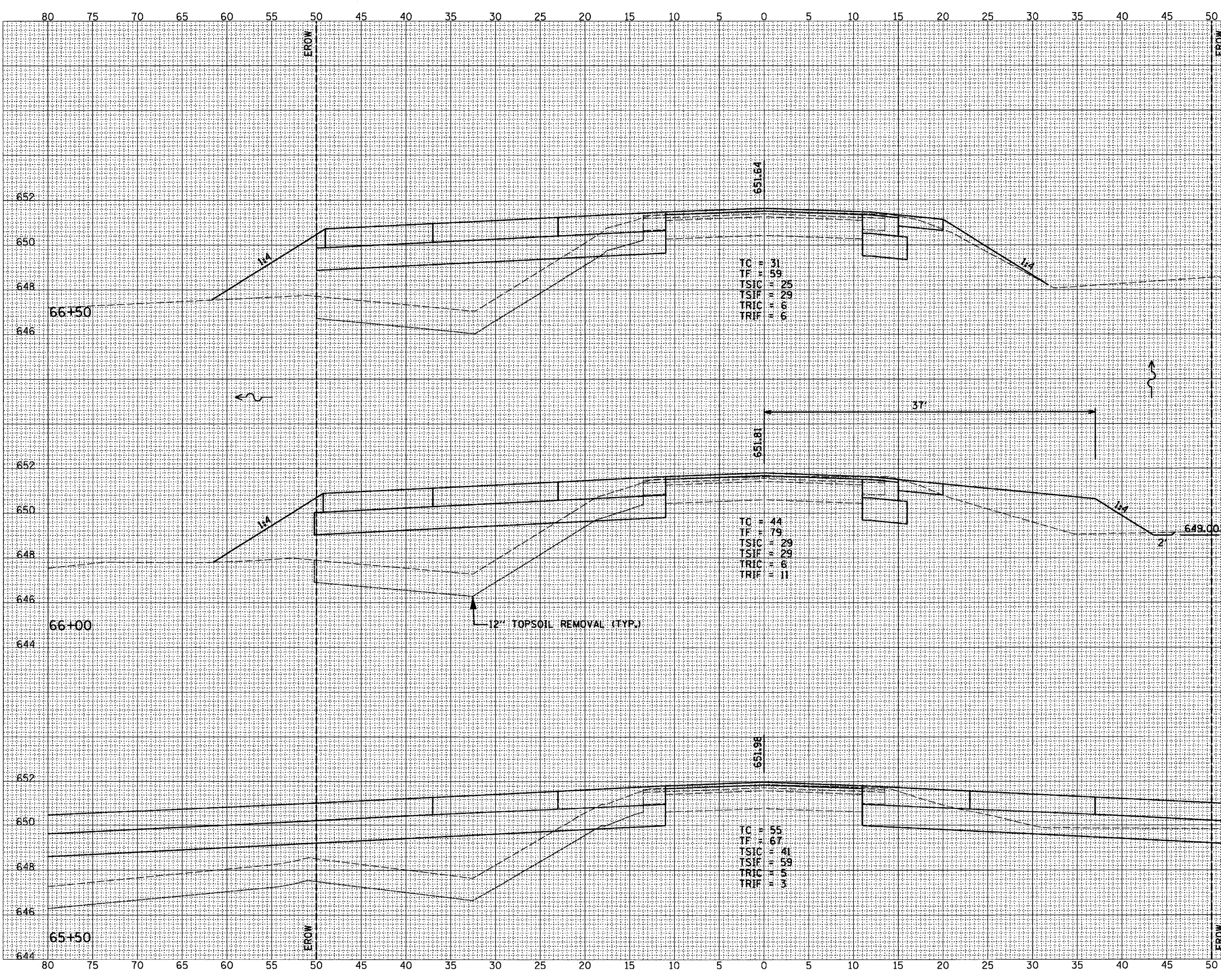


DATE	
BY	
FINAL SURVEY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

DATE	02/07
BY	CHAMLIN & ASSOCIATES
LAG	
INR	
FINAL SURVEY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

PLOT DATE = 02/07
FILE NAME = 220107XS34-SHTS
SCALE = AS SHOWN
USER NAME = LAG

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
591	06-00034-00-RF	KENDALL	37	34
STA. 65+50	TO STA. 66+50			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



TC = THEORETICAL CUT
TF = THEORETICAL FILL
TSIC = TOPSOIL SOURCE IN CUT
TSIF = TOPSOIL SOURCE IN FILL
TRIC = TOPSOIL REQUIRED IN CUT
TRIF = TOPSOIL REQUIRED IN FILL

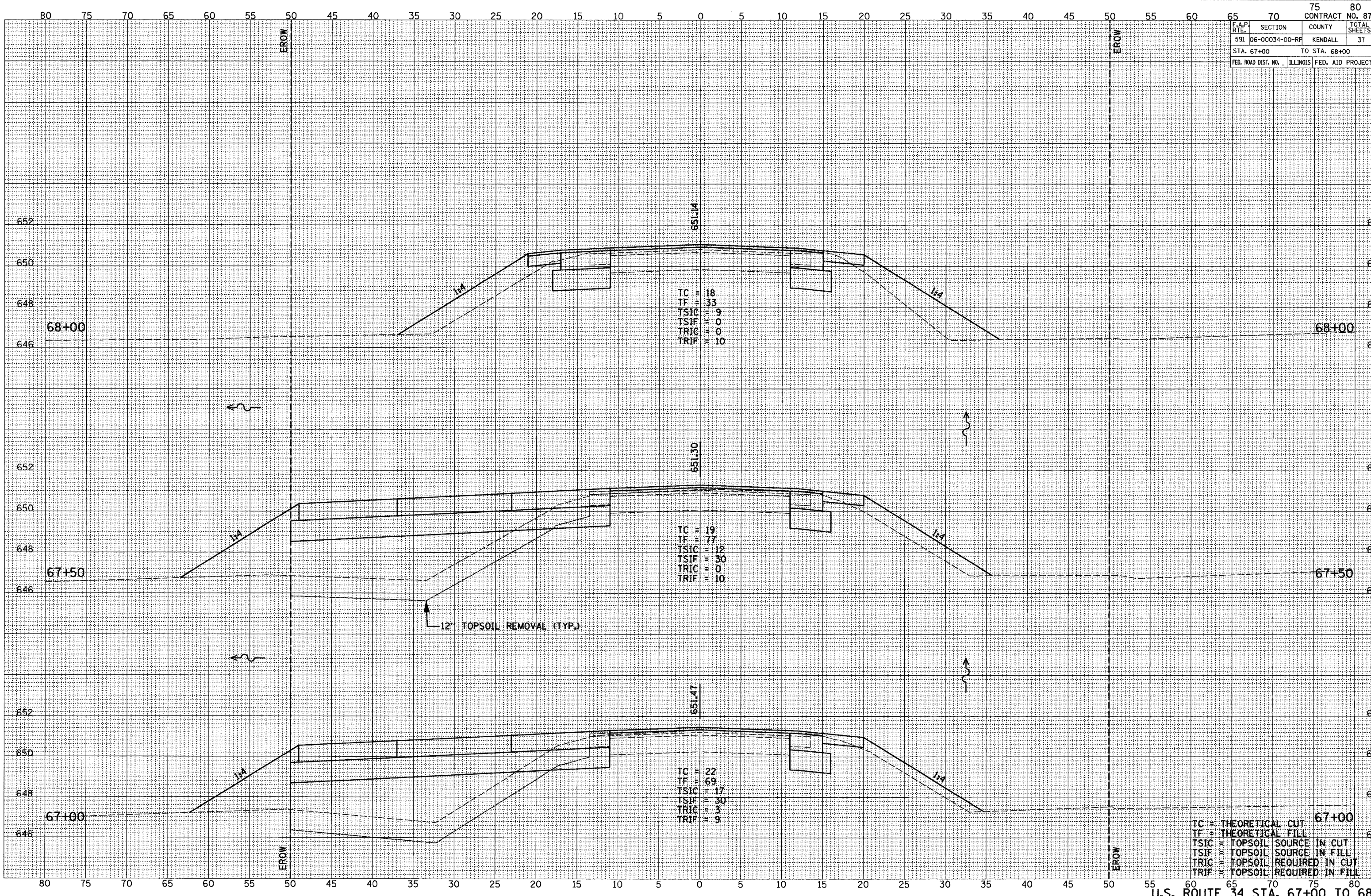
MATCHLINE, SEE STA. 9+20

FINAL SURVEY	SURVEYED _____	BY _____	DATE _____
NOTE BOOK	PLOTTED _____		
	TEMPLATE _____		
	AREAS _____		
NO. _____	AREAS CHECKED _____		

ORIGINAL SURVEY		BY	DATE
	SURVEYED	CHAMLIN & ASSOCIATES	01/07
	PLOTTED	LAG	01/07
	TEMPLATE	NWE	03/07
	AREAS		
NO. _____	AREAS CHECKED		

PLOT DATE = 01/07
PLOT SCALE = AS SHOWN
USER NAME = LAG

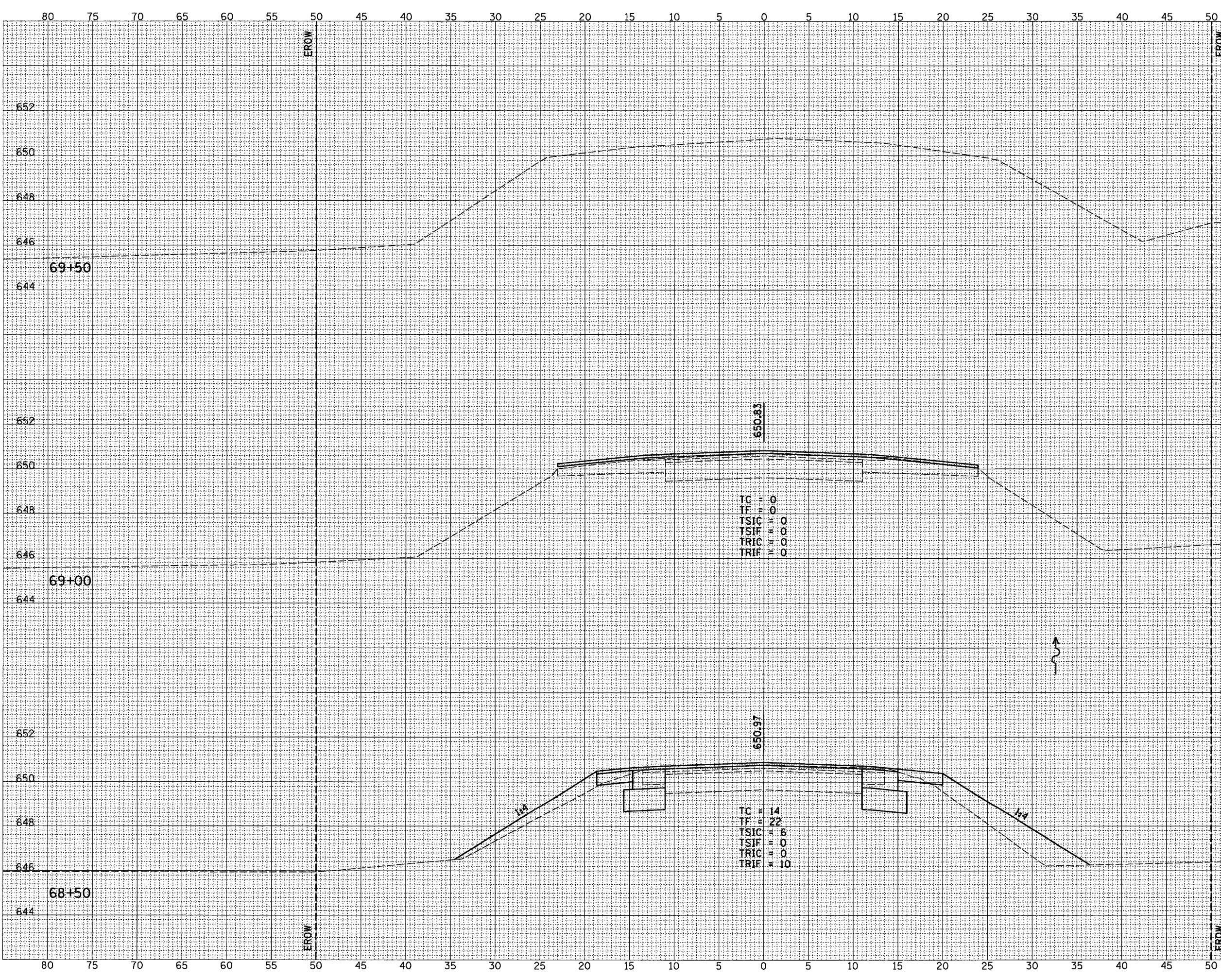
591	06-00034-00-RP	KENDALL	37	3
STA. 67+00	TO STA. 68+00	ILLINOIS	FED. AID PROJECT	



FINAL	DATE
SURVEY	BY
NOTE BOOK	
NO.	

ORIGINAL	DATE
SURVEY	BY
NOTE BOOK	CHAMLIN & ASSOCIATES
NO.	LAS
	NE
	09/07

PLOT DATE = 09/07
FILE NAME = 281897XS34-SHTS
USER NAME = LAS



F.A.P.	SECTION	COUNTY	TOTAL	SHEET
RTE.			SHEETS	NO.
591	06-00034-00-RF	KENDALL	37	36
STA. 68+50		TO STA. 69+50		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TC = THEORETICAL CUT
TF = THEORETICAL FILL
TSIC = TOPSOIL SOURCE IN CUT
TSIF = TOPSOIL SOURCE IN FILL
TRIC = TOPSOIL REQUIRED IN CUT
TRIF = TOPSOIL REQUIRED IN FILL

