

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2007-003 I	WILL	44	1

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

F.A.I. ROUTE 55 (INTERSTATE 55)
PARK AND RIDE LOTS AT
1) US ROUTE 6
2) US ROUTE 52
3) US ROUTE 30

SECTION: 2007-003 I
PROJECT NO.: CMI-055-6(230) 252

WILL COUNTY
C-91-168-07

FOR INDEX OF SHEETS, SEE SHEET NO. 2

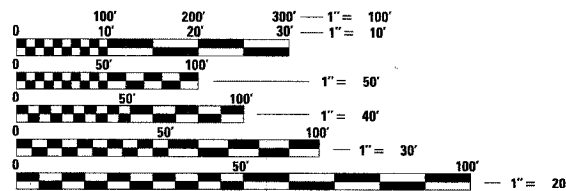
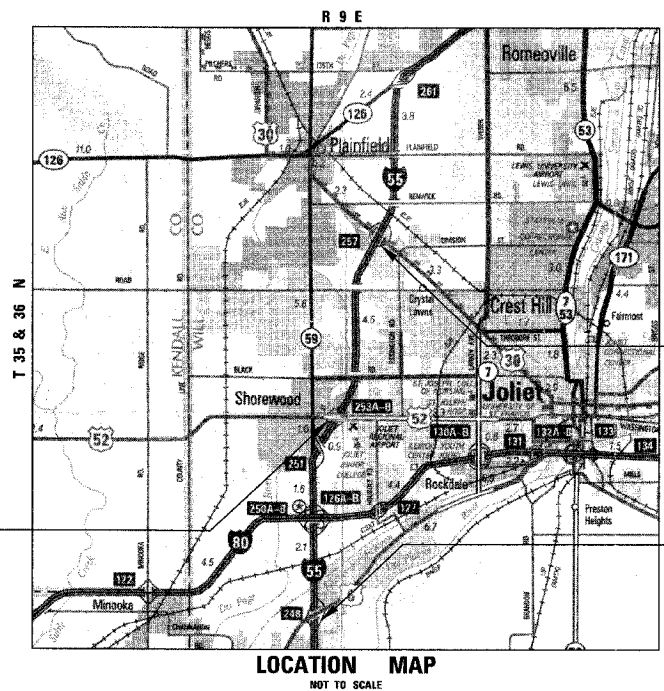
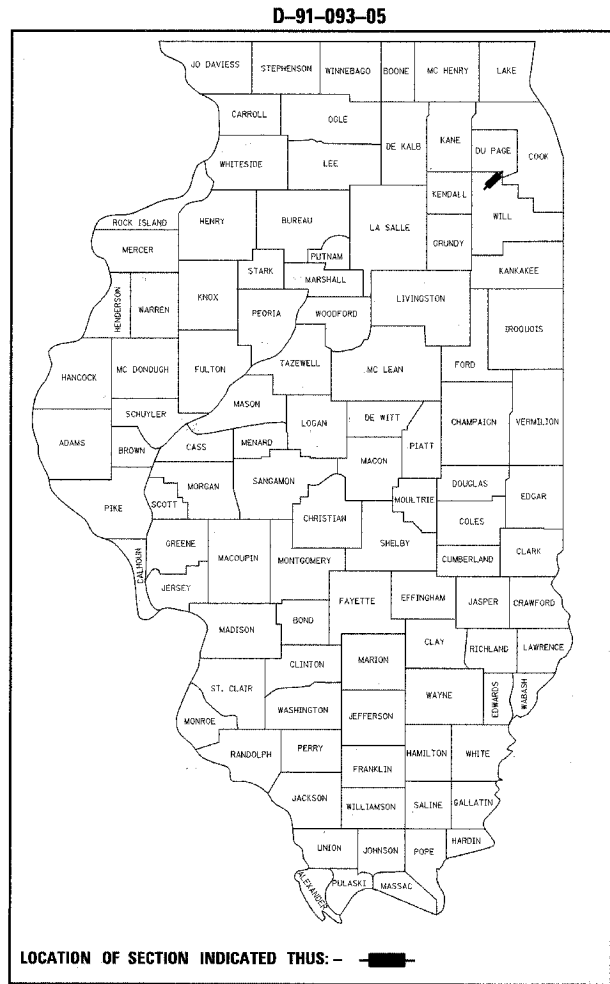
TRAFFIC DATA

ADT (2030) :
US 6 to I-80 = 64,000
I-80 to IL 59 = 83,000
IL 59 to U.S. 52 = 56,000
U.S. 52 to U.S. 30 = 60,000

POSTED SPEED :
I-55 = 65 mph

DESIGN DESIGNATION :
N/A

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

CONTRACT NO. 60C22

DISTRICT 1 - DESIGN /CONSULTANT SERVICES
PROJECT MANAGER: RAJENDRA SHAH 847-705-4555



DOUGLAS D. HANSEN, P.E.
IL. REG. NO. 062-45293
EXPIRES: 11/30/2007
DATE: 5/8/2007

TENG
TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
205 N. MICHIGAN AVE. CHICAGO, IL 60601

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED April 19 2007

Diane O'Keefe /cal
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

June 29, 2007
Eric S. Haran /RD
INTERIM ENGINEER OF DESIGN AND ENVIRONMENT

June 29, 2007
Milton R. Sues P.E. /RD
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2007-003 I	WILL	44	2
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

INDEX OF SHEETS

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1	COVER SHEET
2	INDEX OF SHEETS, STATE STANDARDS & GENERAL NOTES
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5 - 6	SCHEDULE OF QUANTITIES
7 - 10	HORIZONTAL ALIGNMENTS, TIES AND BENCHMARKS
11 - 14	ROADWAY & PAVEMENT MARKING PLANS
15	ROADWAY AND SIGN DETAILS
16 - 17	CONSTRUCTION STAGING
18 - 21	EROSION & SEDIMENT CONTROL PLANS
22	EROSION & SEDIMENT CONTROL DETAILS
23 - 25	DRAINAGE, GRADING & LANDSCAPING PLANS
26 - 27	SIGNING PLANS
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31	ELECTRICAL GENERAL NOTES & SYMBOLS
32 - 37	LIGHTING PLANS
38	ELECTRICAL DETAILS
39 - 44	DISTRICT ONE DETAILS

HIGHWAY STANDARDS

STD. NO.	DESCRIPTION
000001-04	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-03	TEMPORARY EROSION CONTROL SYSTEMS
542401	METAL END SECTION FOR PIPE CULVERTS
606001-03	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
664001-01	CHAIN LINK FENCE
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
701101-01	OFF-ROAD OPERATIONS, MULTILANE, 4.5 m (15') TO 600 mm (24") FROM PAVEMENT EDGE
701106-01	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 4.5 m (15') AWAY
701201-02	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS => 45 MPH
701301-02	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701701-04	URBAN LANE CLOSURE, MULTILANE INTERSECTION
702001-06	TRAFFIC CONTROL DEVICES
720001	SIGN PANEL MOUNTING DETAILS
720006-01	SIGN PANEL ERECTION DETAILS
720011	METAL POSTS (SIGNS, MARKERS AND DELINEATORS)
720021-01	SIGN PANELS, EXTRUDED ALUMINUM TYPE
729001	APPLICATION OF TYPE A AND B METAL POSTS
780001-01	TYPICAL PAVEMENT MARKINGS

GENERAL NOTES

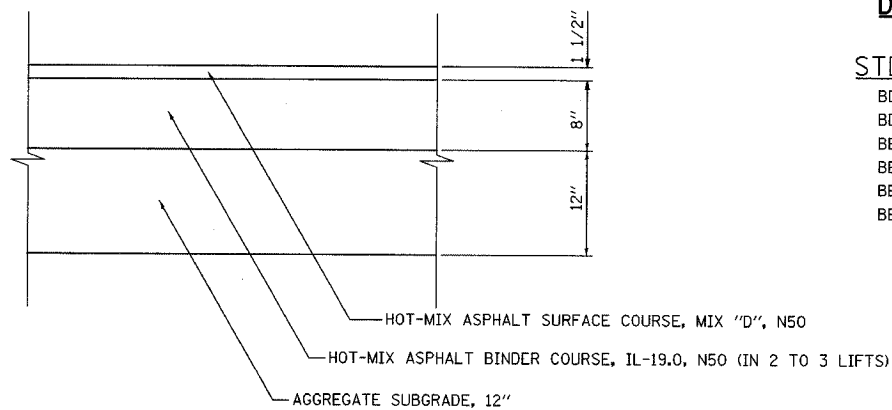
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOURS NOTIFICATION REQUIRED).
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.
- THE CONTRACTOR WILL NOT BE ALLOWED 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.
- WHEN ARTIFICIAL LIGHTING IS USED IN NIGHT OPERATIONS THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.
- POROUS GRANULAR EMBANKMENT, SUBGRADE (PGES) HAS BEEN PROVIDED FOR USE AT THE LOCATIONS INDICATED FOR SOILS THAT TEND TO BE UNSUITABLE OR UNSTABLE. THE ACTUAL NEED FOR THE REMOVAL AND REPLACEMENT WITH PGES WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE GEOTECHNICAL ENGINEER. ALL POTENTIALLY UNSTABLE SOILS SHOULD BE TESTED WITH A STATIC CONE PENETROMETER AND TREATED IN ACCORDANCE WITH ARTICLE 301.04 AND THE IDOT SUBGRADE STABILITY MANUAL. IF UNSTABLE AND/OR UNSUITABLE MATERIAL IS NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.
- THE CONTRACTOR SHALL AVOID ANY DISTURBANCE TO EXISTING WETLANDS.

DISTRICT ONE DETAILS (INCLUDED AS PLAN SHEETS 39-44)

STD. NO.	DESCRIPTION
BD24	CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT
BD51	BENCHING CONSTRUCTION DETAIL
BE301	LIGHT POLE FOUNDATION 40' (12.192M) TO 47'-1/2' (14.478M) M.H. 15" (381) BOLT CIRCLE
BE400	ALUMINUM LIGHT POLE 47'-6" (14.478 m) MOUNTING HEIGHT
BE701	LUMINAIRE SAFETY CABLE ASSEMBLY
BE702	MISCELLANEOUS ELECTRICAL DETAILS SHEET A

SUGGESTED SEQUENCE OF CONSTRUCTION

- PRIOR TO EXCAVATION OR THE REMOVAL OF ANY EXISTING VEGETATION, INSTALL SEDIMENT CONTROL, SILT FENCE; INLET AND PIPE PROTECTION; TEMPORARY DITCH CHECKS; PIPE CULVERTS; AND STABILIZED CONSTRUCTION ENTRANCES.
- PERFORM TREE REMOVAL, FENCE REMOVAL, CLEARING AND TOPSOIL REMOVAL.
- COMPLETE EARTHWORK ITEMS. APPLY TEMPORARY EROSION CONTROL SEEDING AS DESCRIBED IN THE EROSION AND SEDIMENT CONTROL GENERAL NOTES.
- COMPLETE AGGREGATE SUBGRADE AND HMA PAVING ITEMS.
- PLACE TOPSOIL, SEED AND MULCH; INSTALL PAVEMENT MARKINGS, FENCE, SIGNING AND ELECTRICAL ITEMS.
- REMOVE INLET AND PIPE PROTECTION, AND SEDIMENT CONTROL, SILT FENCE ONCE THE PERMANENT STABILIZATION PLAN HAS BEEN IMPLEMENTED.



PARK AND RIDE LOT PAVEMENT DESIGN

MIXTURE TYPE	AC TYPE	AIR VOIDS
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL 9.5 mm); 1 1/2"	PG 64-22	4% @ 50 GYR.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 8"	PG 64-22 *	4% @ 50 GYR.

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

PLOT DATE * * DATE * * FILE * * FILE * * USER * * USER * *
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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 FAI ROUTE 55 (U.S. 6 TO U.S. 30)
 PARK AND RIDE LOTS

**INDEX OF SHEETS
 STATE STANDARDS
 GENERAL NOTES**

SCALE: N.T.S. DRAWN BY AG
 DATE 05/15/07 CHECKED BY DDH

TENG TENG & ASSOCIATES, INC.
 ENGINEERS/ARCHITECTS/PLANNERS
 CHICAGO, ILLINOIS

F.A.T. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2007-003 I	WILL.	44	3
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SPEC. ITEM	CODE NO.	ITEM	UNIT	** TOTAL QUANTITY	ROADWAY	LIGHTING
					Y026-3A	Y030-1E
	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	283	283	
	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	446	446	
	20200100	EARTH EXCAVATION	CU YD	820	820	
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	2975	2975	
	20400800	FURNISHED EXCAVATION	CU YD	290	290	
	20700420	POROUS GRANULAR EMBANKMENT, SUBGRADE	CU YD	161	161	
	21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	1350	1350	
	25000210	SEEDING, CLASS 2A	ACRE	1.97	1.97	
	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	177	177	
	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	177	177	
	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	177	177	
	25100115	MULCH, METHOD 2	ACRE	1.41	1.41	
	25100630	EROSION CONTROL BLANKET	SQ YD	2689	2689	
	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	192	192	
	28000300	TEMPORARY DITCH CHECKS	EACH	5	5	
	40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	3	3	
	40600300	AGGREGATE (PRIME COAT)	TON	16	16	
	40600400	MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	TON	1.1	1.1	
	40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	3601	3601	
	40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	675	675	
	44000100	PAVEMENT REMOVAL	SQ YD	163	163	
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	10	10	
	44001700	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	60	60	
	50105220	PIPE CULVERT REMOVAL	FOOT	40	40	
	50800105	REINFORCEMENT BARS	POUND	624	624	
	54200439	PIPE CULVERTS, TYPE 1 RCCP 24"	FOOT	65	65	
	54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	2	2	
	5421D015	PIPE CULVERTS, CLASS D, TYPE 1 15" (TEMPORARY)	FOOT	40	40	
	60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	137	137	
	66400105	CHAIN LINK FENCE, 4'	FOOT	649	649	
	66410300	CHAIN LINK FENCE REMOVAL	FOOT	671	671	
	70101800	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	*** L SUM	1	1	
	* 72000100	SIGN PANEL - TYPE 1	SQ FT	134	134	
	* 72000300	SIGN PANEL - TYPE 3	SQ FT	396	396	
	* 72700100	STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY	POUND	3051	3051	
	* 72900300	METAL POSTS	FOOT	84	84	
	* 73000100	WOOD SIGN SUPPORT	FOOT	176	176	
	* 73400100	CONCRETE FOUNDATIONS	CU YD	5.6	5.6	
	* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	358	358	
	* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	8228	8228	
	* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	118	118	
	* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	44	44	
	* 78300100	PAVEMENT MARKING REMOVAL	SQ FT	1549	1549	
	* 81018600	CONDUIT PUSHED, 2 1/2" DIA., GALVANIZED STEEL	FOOT	44	44	
	* 81100700	CONDUIT ATTACHED TO STRUCTURE, 2 1/2" DIA., GALVANIZED STEEL	FOOT	20	20	

* SPECIALTY ITEMS
 ** URBAN, 80% FEDERAL, 20% STATE

NOTE:

*** ALL TYPE 3 SIGN PANELS REQUIRE TYPE ZZ SHEETING AND WILL BE 100% PAID FOR BY STATE FUNDS.

PLT DATE * DATE
 FILE NAME * FILE
 PLOT SCALE * SCALE
 USER NAME * USER

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 I-55 (U.S. 6 TO U.S. 30)
 PARK AND RIDE LOTS

SUMMARY OF QUANTITIES
 1

SCALE: N.T.S. DRAWN BY: JFS
 DATE: 05/15/07 CHECKED BY: DDH

TENG TENG & ASSOCIATES, INC.
 ENGINEERS/ARCHITECTS/PLANNERS
 CHICAGO, ILLINOIS

Rev.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2007-003 I	WILL	44	4
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SPEC. ITEM	CODE NO.	ITEM	UNIT	** TOTAL QUANTITY	ROADWAY Y026-3A	LIGHTING Y030-1E
*	81603190	UNIT DUCT, 600V, 2-1C NO.2, 1/C NO.4 GROUND, (EPR-TYPE RHW), 1 1/4" DIA. POLYETHYLENE	FOOT	150		150
*	81603210	UNIT DUCT, 600V, 3-1C NO.4, 1/C NO.6 GROUND, (EPR-TYPE RHW), 1 1/4" DIA. POLYETHYLENE	FOOT	1200		1200
*	81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1482		1482
*	81900300	TRENCH AND BACKFILL WITH SCREENINGS AND/OR SAND	FOOT	534		534
*	82102400	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	13		13
*	83050760	LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 8 FT. MAST ARM	EACH	5		5
*	83050880	LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 2-8 FT. MAST ARMS	EACH	4		4
*	83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	152		152
	X0300019	REMOVE AND REINSTALL PARKING BLOCKS	EACH	71	71	
*	X0323574	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	6		6
	X0323973	SEDIMENT CONTROL, SILT FENCE	FOOT	3163	3163	
	X0323974	SEDIMENT CONTROL, SILT FENCE MAINTENANCE	FOOT	1120	1120	
	X0324045	SEDIMENT CONTROL, STABILIZED CONSTRUCTION ENTRANCE REMOVAL	EACH	3	3	
	X0324774	SEDIMENT CONTROL, STABILIZED CONSTRUCTION ENTRANCE	SQ YD	756	756	
	X0324775	SEDIMENT CONTROL, STABILIZED CONSTRUCTION ENTRANCE MAINTENANCE	SQ YD	756	756	
	X0696100	PARKING BLOCKS	EACH	150	150	
*	X8160395	UNIT DUCT, WITH 3-1/C NO. 2 AND 1/C NO. 4 GROUND, 600V (EPR-TYPE RHW), 1 1/2" DIA., POLYETHYLENE	FOOT	700		700
	XX000362	PAVEMENT REMOVAL AND BITUMINOUS REPLACEMENT, SPECIAL	SQ YD	14	14	
	XX001011	BICYCLE RACKS	EACH	6	6	
	Z0001050	AGGREGATE SUBGRADE 12"	SQ YD	7803	7803	
	Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1	
⊙	Z0076600	TRAINEES	HOUR	1000	1000	
	X0325800	PARKING LOT SEAL COAT	SQ YD	4572	4572	
	XX006937	GROUND ROD, 5/8" DIA. X 10 FT.	EACH	9		9

NOTE:

ALL TYPE 3 SIGN PANELS REQUIRE TYPE ZZ SHEETING AND WILL BE 100% PAID FOR BY STATE FUNDS.

PLOT DATE = 05/15/07
 FILE NAME = 051114801.DGN
 PLOT SCALE = 1/8"=1'-0"
 USER NAME = JFS
 *S0114801.DGN *S0114801.DGN *B0114801.DGN *CIVIL DGN *S0114801.DGN
 5-15-2007 8:26:23 STANKURJ S:\DOCUMENT\02361001\CIVIL DGN\S0114801.DGN

- ⊙ Y080
- * SPECIALTY ITEMS
- ** URBAN, 80% FEDERAL, 20% STATE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 FAI ROUTE 55 (U.S. 6 TO U.S. 30)
 PARK AND RIDE LOTS

**SUMMARY OF QUANTITIES
 II**

SCALE: N.T.S. DRAWN BY JFS
 DATE 05/15/07 CHECKED BY DDH

TENG
 TENG & ASSOCIATES, INC.
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 CHICAGO, ILLINOIS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	

	REMOVAL OF UNSUITABLE MATERIAL	EXCAVATION & PLACEMENT OF TOPSOIL	EARTH EXCAVATION	EARTH EXCAVATION USED AS EMBANKMENT (15% SHRINKAGE)	EMBANKMENT	FURNISHED EXCAVATION	PGES
LOCATION	CY	CY	CY	CY	CY	CY	CY
ROUTE 6	1097.6	396.6	62.6	53.2	1262.5	1209.3	-
ROUTE 52	1345.7	677.8	430.3	365.8	209.8	-156.0	161.3
ROUTE 30	531.3	273.6	324.8	276.1	-530.4	-806.5	-
TOTALS	2975.0	1350.0	820.0	695.0	940.0	245.0	161.0

HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50					TOTAL 3601
LOCATION	AREA MEASURED SQ FT	LBS/IN/SY	THICKNESS	Subtotals	TON
U.S. 6	21964	112	8.00		1093.32
U.S. 52	27876	112	8.00		1387.61
U.S. 30	20388	112	8.00		1014.87
		3% for maximum pay			104.87

THERMOPLASTIC PAVEMENT MARKING - LINE 6"			TOTAL 118
LOCATION			Subtotals FOOT
U.S. 30			
Driveway Island			118.27

TREE REMOVAL (6 TO 15 UNITS DIAMETER)				TOTAL 283
LOCATION	NORTHING	EASTING		Subtotals UNIT
U.S. 6	1022299.5450	1744165.8940		10.0
U.S. 6	1022369.2370	1744312.2637		14.0
U.S. 6	1022374.5050	1744298.6140		8.0
U.S. 6	1022374.5050	1744298.6140		8.0
U.S. 6	1022369.2290	1744312.2420		14.0
U.S. 6	1022299.7790	1744350.8030		6.0
U.S. 6	1022362.8460	1744354.4960		10.0
U.S. 6	1022375.7970	1744358.2130		8.0
U.S. 6	1022343.9630	1744423.7460		6.0
U.S. 6	1022295.5220	1744433.8070		8.0
U.S. 6	1022385.2760	1744439.1440		10.0
U.S. 6	1022386.2880	1744439.8720		8.0
U.S. 6	1022401.0160	1744439.9170		6.0
U.S. 6	1022322.0260	1744457.5550		6.0
U.S. 6	1022334.9070	1744446.0040		12.0
U.S. 6	1022373.8450	1744476.4180		6.0
U.S. 6	1022371.6270	1744478.6780		6.0
U.S. 6	1022297.2400	1744484.5550		6.0
U.S. 6	1022313.9920	1744487.9870		8.0
U.S. 6	1022408.4860	1744518.8780		6.0
U.S. 6	1022397.4660	1744518.8290		12.0
U.S. 6	1022290.0610	1744524.4640		15.0
U.S. 6	1022290.0610	1744524.4640		10.0
U.S. 6	1022290.0610	1744524.4640		6.0
U.S. 6	1022290.0610	1744533.2990		6.0
U.S. 6	1022290.0610	1744524.4640		6.0
U.S. 6	1022338.9320	1744533.2990		6.0
U.S. 6	1022346.2950	1744531.5480		6.0
U.S. 6	1022337.4790	1744549.7720		6.0
U.S. 6	1022345.0010	1744542.1450		6.0
U.S. 6	1022372.3440	1744534.3580		10.0
U.S. 6	1022378.8680	1744545.9490		6.0
U.S. 6	1022373.1880	1744558.6050		6.0
U.S. 6	1022300.3914	1744570.4457		6.0
U.S. 6	1022300.5104	1744574.4637		6.0
U.S. 6	1022348.6379	1744600.5145		10.0

TREE REMOVAL (OVER 15 UNITS DIAMETER)				TOTAL 446
LOCATION	NORTHING	EASTING		Subtotals UNIT
U.S. 6	1022386.5850	1744342.1840		48.0
U.S. 6	1022317.6300	1744434.8090		24.0
U.S. 6	1022344.9350	1744437.3340		24.0
U.S. 6	1022335.4580	1744442.8370		24.0
U.S. 6	1022303.0020	1744445.5220		30.0
U.S. 6	1022333.4640	1744456.7210		18.0
U.S. 6	1022349.6590	1744460.0820		24.0
U.S. 6	1022350.3690	1744465.4030		18.0
U.S. 6	1022343.7800	1744470.4230		18.0
U.S. 6	1022328.4920	1744479.4330		18.0
U.S. 6	1022351.8320	1744478.4270		30.0
U.S. 6	1022339.2780	1744486.1680		33.0
U.S. 6	1022311.6860	1744525.0180		36.0
U.S. 6	1022324.4540	1744547.4080		42.0
U.S. 6	1022288.7890	1744552.9290		42.0
U.S. 52	1023172.5320	1767604.3550		17.2

HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50					TOTAL 675
LOCATION	AREA MEASURED SQ FT	LBS/IN/SY	THICKNESS	Subtotals	TON
U.S. 6	21964	112	1.5		205.00
U.S. 52	27876	112	1.5		260.18
U.S. 30	20388	112	1.5		190.29
		3% for maximum pay			19.66

THERMOPLASTIC PAVEMENT MARKING - LINE 24"			TOTAL 44
LOCATION			Subtotals FOOT
U.S. 30			
Stop Bar @ Driveway			43.91

PAVEMENT REMOVAL					TOTAL 163
LOCATION				Subtotals	SQ YD
U.S. 6					7.86
U.S. 52					134.11
U.S. 30					21.52

SEDIMENT CONTROL, SILT FENCE				TOTAL 3163
LOCATION				Subtotals FOOT
U.S. 6				1406.18
U.S. 52				1119.51
U.S. 30				637.53

SEEDING, CLASS 2A				TOTAL 1.97
LOCATION				Subtotals ACRE
U.S. 6				0.90
U.S. 52				0.78
U.S. 30				0.29

THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS					TOTAL 358
LOCATION	SYMBOL / LETTER	AREA	QUANTITY	Subtotals	SQ FT
U.S. 6	Handicapped Symbol	4.6	3		13.8
U.S. 52	Handicapped Symbol	4.6	3		13.8
U.S. 30	Handicapped Symbol	4.6	6		27.6
U.S. 30	Arrows	11.5	20		230
U.S. 30	Driveway (ARROW)	15.6	2		31.2
U.S. 30	Driveway (ONLY)	20.8	2		41.6

MULCH, METHOD 2				TOTAL 1.41
DISTURBED AREA ID				Subtotals ACRE
U.S. 6				0.414
U.S. 52				0.709
U.S. 30				0.288

THERMOPLASTIC PAVEMENT MARKING - LINE 4"			TOTAL 8228
LOCATION			Subtotals FOOT
U.S. 6			
Centerlines			90
Dividing Lines			777
Islands & Diagonals			437.7
U.S. 52			
Centerlines			99
Dividing Lines			1054.5
Islands & Diagonals			401.27
U.S. 30			
Centerlines			459.48
Dividing Lines			1970.48
Islands & Diagonals			2538.12
Driveway DBL Yellow			180
For Staging			
Islands & Diagonals			103.67
Dividing Lines			116.28

EROSION CONTROL BLANKET				TOTAL 2689
LOCATION				Subtotals SQ YD
U.S. 6				2358.63
U.S. 52				330.23
U.S. 30				

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 FAI ROUTE 55 (U.S. 6 TO U.S. 30)
 PARK AND RIDE LOTS

SCHEDULE OF QUANTITIES
I

SCALE: N.T.S. DRAWN BY JFS
 DATE 05/15/07 CHECKED BY DDH

TENG
 TENG & ASSOCIATES, INC.
 ENGINEERS/ARCHITECTS/PLANNERS
 CHICAGO, ILLINOIS

PLOT DATE = 05/15/07
 FILE NAME = 0511E10
 PLOT SCALE = 1/8"=1'-0"
 USER NAME = JFS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2007-003 I	WILL	44	6
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

SIGN PANEL - TYPE 3							TOTAL	396
Station	Direction	Mile Post Marker (Per Sign Log)	"Sign Description"	"Sign Description"	Width ft	Height ft	"NO. OF SIGNS"	Subtotals SQ FT
60+00	NB	247.47	"PARK & RIDE EXIT 248"	DETAIL	9	11	1	99
148+96	SB	249.15	"PARK & RIDE EXIT 248"	DETAIL	9	11	1	99
300+78	NB	252.09	"PARK & RIDE EXIT 253"	DETAIL	9	11	1	99
375+98	SB	253.61	"PARK & RIDE EXIT 25"	DETAIL	9	11	1	99

METAL POSTS						TOTAL	84
LOCATION	LOCATION	"SIGN DESCRIPTION"	"SUPPORT LENGTH (ESTIMATE)" FT	"# OF SUPPORTS"	"# OF LOCATIONS"	Subtotals FOOT	
U.S. 6	"PARKING LOT"	"RESERVED PARKING" \$250 FINE	9.58	1	3	28.74	
		STOP	13.5	1	1	13.5	
U.S. 52	"PARKING LOT"	"RESERVED PARKING" \$250 FINE	9.58	1	2	19.16	
U.S. 52	"U.S. 52 MEDIAN"	"PARK & RIDE (left or right arrow)"	13.5	1	1	13.5	
U.S. 30	"PARKING LOT"	"RESERVED PARKING" \$250 FINE	9.58	1	1	9.58	

REINFORCEMENT BARS					TOTAL	624
STATION	DIRECTION	SIGN DESCRIPTION	POST SIZE	# OF POSTS	CONVERSION LBS/POST	SUBTOTALS POUNDS
60+00	NB	EXIT 248 PARK & RIDE	W8x18	2	78	156
148+96	SB	EXIT 248 PARK & RIDE	W8x18	2	78	156
300+78	NB	EXIT 253 PARK & RIDE	W8x18	2	78	156
375+98	SB	EXIT 253 PARK & RIDE	W6x15	2	78	156

SIGN PANEL - TYPE 1							TOTAL	134
LOCATION	SIGN DESCRIPTION	"SIGN DESCRIPTION" (Per MUTCD)	WIDTH FT	HEIGHT FT	AREA SQ FT	"NO. OF SIGNS"	Subtotals SQ FT	
U.S. 6	RESERVED PARKING	R7-8	1	1.5	1.5	3	4.5	
U.S. 6	\$250 FINE	R7-1101	1	0.5	0.5	3	1.5	
U.S. 6	"PARK & RIDE (left or right arrow)"	D4-2	2.5	3	7.5	8	60	
U.S. 6	STOP	R1-1	2.5	2.5	5.2	1	5.2	
U.S.52	RESERVED PARKING	R7-8	1	1.5	1.5	3	4.5	
U.S.52	\$250 FINE	R7-1101	1	0.5	0.5	3	1.5	
U.S.52	"PARK & RIDE (left or right arrow)"	D4-2	2.5	3	7.5	7	52.5	
U.S. 30	RESERVED PARKING	R7-8	1	1.5	1.5	2	3	
U.S. 30	\$250 FINE	R7-1101	1	0.5	0.5	2	1	

WOOD SIGN SUPPORT						TOTAL	176
LOCATION	"SIGN DESCRIPTION"	"SUPPORT LENGTH (ESTIMATE)"	"# OF SUPPORTS"	"# OF LOCATIONS"	Subtotals FOOT		
U.S. 6	"PARK & RIDE (left or right arrow)"	16	1	7	112		
U.S. 52	"PARK & RIDE (left or right arrow)"	16	1	4	64		

STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY								TOTAL	3051
Station	Direction	"Sign Description"	"Sign Description"	"Support Size"	"# of Supports"	"Estimated Length" ft	Conversion lbs/ft	Subtotals POUND	
60+00	NB	"EXIT 248 PARK & RIDE"	DETAIL	W8x18	2	44	18	792	
148+96	SB	"EXIT 248 PARK & RIDE"	DETAIL	W8x18	2	44	18	792	
300+78	NB	"EXIT 253 PARK & RIDE"	DETAIL	W8x18	2	46.5	18	837	
375+98	SB	"EXIT 253 PARK & RIDE"	DETAIL	W6x15	2	42	15	630	

CONCRETE FOUNDATIONS						TOTAL	5.6
Station	Direction	"Sign Description"	"Post Size"	"# of Posts"	"Concrete Foundations per Post"	Subtotals CU YD	
60+00	NB	"EXIT 248 PARK & RIDE"	W8x18	2	0.7	1.4	
148+96	SB	"EXIT 248 PARK & RIDE"	W8x18	2	0.7	1.4	
300+78	NB	"EXIT 253 PARK & RIDE"	W8x18	2	0.7	1.4	
375+98	SB	"EXIT 253 PARK & RIDE"	W6x15	2	0.7	1.4	

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

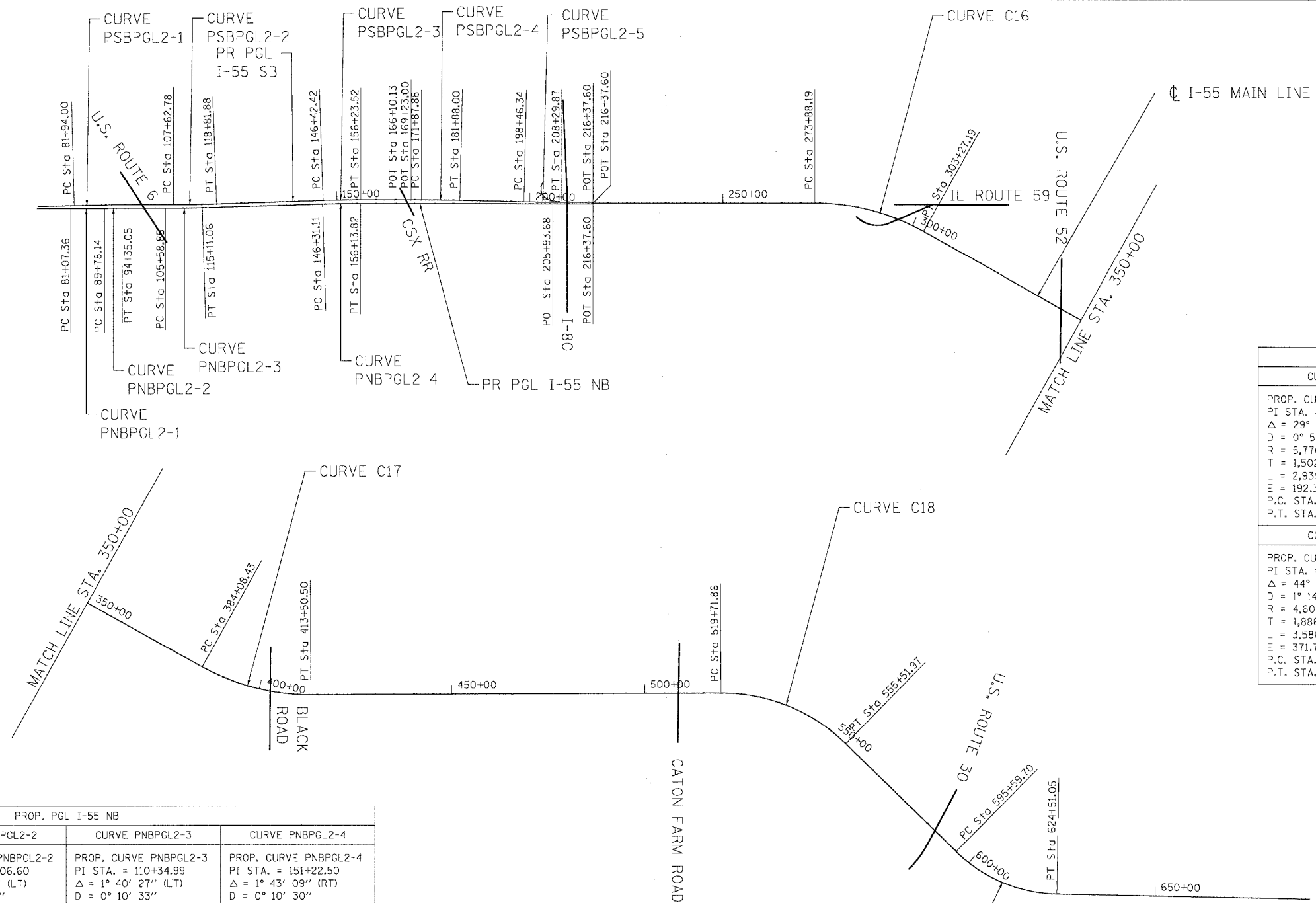
ILLINOIS DEPARTMENT OF TRANSPORTATION
 FAI ROUTE 55 (U.S. 6 TO U.S. 30)
 PARK AND RIDE LOTS

SCHEDULE OF QUANTITIES II

SCALE: N.T.S. DRAWN BY: JFS
 DATE: 05/21/07 CHECKED BY: DDH

TENG TENG & ASSOCIATES, INC.
 ENGINEERS/ARCHITECTS/PLANNERS
 CHICAGO, ILLINOIS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2007-003 I	WILL	44	7
STA. TO STA.		FED. AID PROJECT		
FED. ROAD DIST. NO.		ILLINOIS		



PROP. CL I-55	
CURVE C16	CURVE C17
PROP. CURVE C16 PI STA. = 288+90.31 Δ = 29° 11' 03" (RT) D = 0° 59' 35" R = 5,770.00' T = 1,502.12' L = 2,939.00' E = 192.32' P.C. STA. = 273+88.19 P.T. STA. = 303+27.19	PROP. CURVE C17 PI STA. = 399+12.72 Δ = 29° 26' 39" (LT) D = 1° 00' 03" R = 5,725.00' T = 1,504.28' L = 2,942.06' E = 194.33' P.C. STA. = 384+08.43 P.T. STA. = 413+50.50
CURVE C18	CURVE C19
PROP. CURVE C18 PI STA. = 538+58.11 Δ = 44° 35' 33" (RT) D = 1° 14' 44" R = 4,600.00' T = 1,886.24' L = 3,580.11' E = 371.71' P.C. STA. = 519+71.86 P.T. STA. = 555+51.97	PROP. CURVE C19 PI STA. = 610+78.59 Δ = 43° 22' 01" (LT) D = 1° 30' 00" R = 3,820.00' T = 1,518.89' L = 2,891.35' E = 290.89' P.C. STA. = 595+59.70 P.T. STA. = 624+51.05

PROP. PCL I-55 NB			
CURVE PNBPGL2-1	CURVE PNBPGL2-2	CURVE PNBPGL2-3	CURVE PNBPGL2-4
PROP. CURVE PNBPGL2-1 PI STA. = 85+42.75 Δ = 0° 44' 30" (LT) D = 0° 05' 07" R = 67,264.42' T = 435.40' L = 870.78' E = 1.41' P.C. STA. = 81+07.36 P.T. STA. = 89+78.14	PROP. CURVE PNBPGL2-2 PI STA. = 92+06.60 Δ = 0° 41' 19" (LT) D = 0° 09' 03" R = 38,011.97' T = 228.46' L = 456.91' E = 0.69' P.C. STA. = 89+78.14 P.T. STA. = 94+35.05	PROP. CURVE PNBPGL2-3 PI STA. = 110+34.99 Δ = 1° 40' 27" (LT) D = 0° 10' 33" R = 32,588.00' T = 476.14' L = 952.21' E = 3.48' P.C. STA. = 105+58.85 P.T. STA. = 115+11.06	PROP. CURVE PNBPGL2-4 PI STA. = 151+22.50 Δ = 1° 43' 09" (RT) D = 0° 10' 30" R = 32,752.45' T = 491.39' L = 982.71' E = 3.69' P.C. STA. = 146+31.11 P.T. STA. = 156+13.82

PROP. PGL I-55 SB				
CURVE PSBPGL2-1	CURVE PSBPGL2-2	CURVE PSBPGL2-3	CURVE PSBPGL2-4	CURVE PSBPGL2-5
PROP. CURVE PSBPGL2-1 PI STA. = 94+78.49 Δ = 1° 43' 55" (RT) D = 0° 04' 03" R = 84,981.50' T = 1,284.49' L = 2,568.78' E = 9.71' P.C. STA. = 81+94.00 P.T. STA. = 107+62.78	PROP. CURVE PSBPGL2-2 PI STA. = 113+22.40 Δ = 2° 16' 06" (LT) D = 0° 12' 10" R = 28,268.14' T = 559.62' L = 1,119.03' E = 5.54' P.C. STA. = 107+62.78 P.T. STA. = 118+81.88	PROP. CURVE PSBPGL2-3 PI STA. = 151+33.02 Δ = 1° 57' 47" (RT) D = 0° 12' 00" R = 28,635.89' T = 490.60' L = 981.10' E = 4.20' P.C. STA. = 146+42.42 P.T. STA. = 156+23.52	PROP. CURVE PSBPGL2-4 PI STA. = 176+87.96 Δ = 1° 18' 02" (RT) D = 0° 07' 48" R = 44,060.28' T = 500.08' L = 1,000.13' E = 2.84' P.C. STA. = 171+87.88 P.T. STA. = 181+88.00	PROP. CURVE PSBPGL2-5 PI STA. = 203+38.12 Δ = 1° 16' 39" (LT) D = 0° 07' 48" R = 44,113.27' T = 491.78' L = 983.53' E = 2.74' P.C. STA. = 198+46.34 P.T. STA. = 208+29.87

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
FAI ROUTE 55 (U.S. 6 TO U.S. 30)
PARK AND RIDE LOTS

ALIGNMENT, TIES AND BENCHMARKS
I

SCALE: 1"=1500'
DATE 05/10/07

DRAWN BY RJS
CHECKED BY DDH

TENG
TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
CHICAGO, ILLINOIS

PLOT DATE = 05/10/07
 FILE NAME = I-55-07-01.dwg
 PLOT SCALE = 1"=1500'
 USER NAME = BUSBYR

F.A.I. SECTION COUNTY TOTAL SHEETS SHEET NO.	55 2007-003 I WILL 44 8
STA. TO STA.	
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

COORDINATES

DESCRIPTION	NORTHING	EASTING	STATION	OFFSET
PGL I-55 NB				
P.O.T. PNB201	1,741,729.102	1,022,054.270	72+38.86	0.00 FT
P.C. PNBPL2-1	1,742,597.196	1,022,027.808	81+07.36	0.00 FT
P.I. PNBPL2-1	1,743,032.391	1,022,014.542	85+42.75	1.41 FT
P.T. PNBPL2-1	1,743,467.378	1,021,995.644	89+78.14	0.00 FT
P.C. PNBPL2-2	1,743,467.378	1,021,995.644	89+78.14	0.00 FT
P.I. PNBPL2-2	1,743,695.620	1,021,985.727	92+06.60	0.69 FT
P.T. PNBPL2-2	1,743,923.964	1,021,978.555	94+35.05	0.00 FT
P.C. PNBPL2-3	1,745,047.215	1,021,943.275	105+58.85	0.00 FT
P.I. PNBPL2-3	1,745,523.119	1,021,928.328	110+34.99	3.48 FT
P.T. PNBPL2-3	1,745,998.384	1,021,899.482	115+11.06	0.00 FT
P.C. PNBPL2-4	1,749,112.700	1,021,710.466	146+31.11	0.00 FT
P.I. PNBPL2-4	1,749,603.190	1,021,680.697	151+22.50	3.69 FT
P.T. PNBPL2-4	1,750,094.351	1,021,665.656	156+13.82	0.00 FT
P.O.T. PNB202	1,755,071.879	1,021,513.226	205+93.68	0.00 FT
P.O.T. PNB203	1,756,115.332	1,021,481.944	216+37.60	0.00 FT
PGL I-55 SB				
P.O.T. PSB201	1,741,742.440	1,021,997.725	72+52.51	0.00 FT
P.C. PSBPGL2-1	1,742,682.468	1,021,945.322	81+94.00	0.00 FT
P.I. PSBPGL2-1	1,743,964.965	1,021,873.827	94+78.49	9.71 FT
P.T. PSBPGL2-1	1,745,249.037	1,021,841.125	107+62.78	0.00 FT
P.C. PSBPGL2-2	1,745,249.037	1,021,841.125	107+62.78	0.00 FT
P.I. PSBPGL2-2	1,745,808.479	1,021,826.878	113+22.40	5.54 FT
P.T. PSBPGL2-2	1,746,366.920	1,021,790.499	118+81.88	0.00 FT
P.C. PSBPGL2-3	1,749,121.616	1,021,611.052	146+42.42	0.00 FT
P.I. PSBPGL2-3	1,749,611.179	1,021,579.161	151+33.02	4.20 FT
P.T. PSBPGL2-3	1,750,101.547	1,021,564.058	156+23.52	0.00 FT
P.O.T. PSB202	1,751,087.688	1,021,533.686	166+10.13	0.00 FT
P.O.T. PSB203	1,751,400.424	1,021,524.474	169+23.00	0.00 FT
P.C. PSBPGL2-4	1,751,665.177	1,021,516.430	171+87.88	0.00 FT
P.I. PSBPGL2-4	1,752,165.030	1,021,501.243	176+87.96	2.84 FT
P.T. PSBPGL2-4	1,752,665.100	1,021,497.405	181+88.00	0.00 FT
P.C. PSBPGL2-5	1,754,323.389	1,021,484.678	198+46.34	0.00 FT
P.I. PSBPGL2-5	1,754,815.159	1,021,480.904	203+38.12	2.74 FT
P.T. PSBPGL2-5	1,755,306.723	1,021,466.167	208+29.87	0.00 FT
P.O.T. PSB204	1,756,114.096	1,021,441.963	216+37.60	0.00 FT
CL I-55				
P.O.T. I-5501	1,756,114.714	1,021,461.954	216+37.60	0.00 FT
P.C. C16	1,761,862.568	1,021,284.330	273+88.19	0.00 FT
P.I. C16	1,763,363.968	1,021,237.933	288+90.31	192.32 FT
P.T. C16	1,764,697.401	1,021,929.534	303+27.19	0.00 FT
P.C. C17	1,771,871.139	1,025,650.280	384+08.43	0.00 FT
P.I. C17	1,773,206.496	1,026,342.879	399+12.72	194.33 FT
P.T. C17	1,774,709.836	1,026,289.590	413+50.50	0.00 FT
P.C. C18	1,785,324.534	1,025,913.333	519+71.86	0.00 FT
P.T. C18	1,787,209.594	1,025,846.513	538+58.11	371.71 FT
P.T. C18	1,788,598.891	1,027,122.354	555+51.97	0.00 FT
P.C. C19	1,791,550.750	1,029,833.150	595+59.70	0.00 FT
P.I. C19	1,792,669.477	1,030,860.516	610+78.59	290.89 FT
P.T. C19	1,794,188.218	1,030,839.184	624+51.05	0.00 FT

BENCHMARKS

- B.M. 3069 SQUARE CUT AT N END OF E PIER AND E EDGE OF I-80 WB PIER AND UNDER LIGHT BOX *PA8, EL. 590.48 (N 1755516.67, E 1021480.72)
- B.M. 3070 PK NAIL IN E EDGE BIT. SHOULDER 100' N OF CORE OF I-55 NB TO WB I-80, EL. 589.80 (N 1755959.92, E 1021521.02)
- B.M. 3071 SQUARE CUT ON SW CORNER OF 2' x 2' CONC LP BASE, LP *PC4 IN THE NE QUADRANT OF I-55 NB AND I-80 WB, EL. 589.44 (N 1756078.95, E 1021524.49)
- B.M. 3072 FND PK NAIL #9 IN E EDGE BIT SHOULDER 10' W OF CORE OF I-80 BW TO I-55 NB, EL.589.82 (N 1756320.54, E 1021510.64)
- B.M. 3073 PK NAIL SET IN E EP OF E FRONTAGE RD NEAR N P OF #21607, EL. 589.57
- B.M. 3074 PK NAIL SET E EP OF E FRONTAGE RD 10' N OF MAILBOX FOR #21525, EL. 589.40
- B.M. 3075 FND REBAR #8 2' E OF E EP OF E FRONTAGE RD AND ABOUT 200' S OF GRAVEL DR TO #, OPPOSITE PP W/TRANSFORMER, EL. 589.89
- B.M. 3076 PK NAIL IN E EP OF E FRONTAGE RD AND 7' N OF MAIL BOX #21363, EL. 590.80
- B.M. 3077 PK NAIL SET IN E EP OF E FRONTAGE RD OPPOSITE PP, 1ST PP S OF LARGE SIGN W/3 SUPPORT POST, EL. 591.38
- B.M. 3078 PK NAIL IN E EP OF E FRONTAGE RD OPPOSITE GREEN MAIL BOX AND 10' N OF LAST GRAVEL DR BEFORE RTE 59, EL. 590.64
- B.M. 3079 SQUARE CUT ON W SIDE S OF 2' DIA. CONC BASE FOR SIGN EXIT 251 (IL 59 SHOREWOOD-PLAINFIELD 1/2 MILE), EL. 587.76
- B.M. 3080 FND REBAR 2' E OF E EP OF E FRONTAGE RD AND 100' N OF ABOVE SIGN, EL. 588.13
- B.M. 3081 SQUARE CUT ON HEADWALL OF 24" CMP ON E SIDE OF E FRONTAGE RD IN LOW WET AREA. 24" CMP RUNS UNDER FRONTAGE RD BUT NOT I-55, EL. 584.90
- B.M. 3082 FND PK NAIL W EP OF E FRONTAGE RD "TENG #410" AND ABOUT 100' S OF "NATURAL GAS LINE CROSSING", EL. 587.96
- B.M. 3083 FND PK NAIL "TENG #412" W EP OF E FRONTAGE RD AND ABOUT 150' N OF "NATURAL GAS LINE CROSSING", EL. 591.43
- B.M. 3084 FND PK NAIL "TENG #414" IN W EP OF E FRONTAGE RD AND IN MIDDLE OF 4" GAS LINE CROSSING AND ABOUT 500' S OF RTE 54 RTE 59 OVERHEAD SIGN, EL. 594.57
- B.M. 3085 SQUARE CUT ON W SIDE 4' DIA LP CONC BASE ABOUT 200' S OF OVERHEAD SIGN "RT 30" 1 MILE RTE 59, EL. 594.95 (N 1761950.005, E 1021365.626)
- B.M. 3086 SQUARE CUT TOP AND CENTER OF S EDGE OF 2' x 10' CONC FD OF OVERHEAD SIGN "EXIT 253 RTE 52 1 MILE / EXIT 251 RTE 59" AT RTE 59 EXIT RAMP, EL. 597.03 (N 1762196.801, E 1021370.072)
- B.M. 3087 FND REBAR "CP #2" ON W. ROW I-55 AND ABOUT 50' S OF OVERHEAD SIGN W AND ABOUT 150' N OF MP 97.9 SIGN OF NATURAL GAS LINE, EL. 593.68
- B.M. 3088 PK NAIL E EP OF W FRONTAGE RD OPPOSITE 33087, EL. 596.13
- B.M. 3089 PK NAIL W EP OF W FRONTAGE RD I-55 AND ABOUT 100' N OF LP #3-0CD1 ABOUT 400' S OF WILL 621, EL. 594.86
- B.M. 3090 SQUARE CUT ON S EDGE 4' DIA. CONC LP BASE #4-0CD2 BETWEEN RTE 59 ENTRANCE RAMP AND SB I-55 AND 1ST LP S OF RTE 59, EL. 593.72 (N 1763233.649, E 1021321.982)
- B.M. 3091 PK NAIL W BIT SHOULDER OF I-55 SB AND ABOUT 400' S OF RTE 59 BRIDGE, EL. 597.11
- B.M. 3092 SQUARE CUT ON TOP AND MIDDLE AND N EDGE OF S 1/2 OF CENTER PIER OF RTE 59 FLYOVER BRIDGE AND AT "TENG STA. 1140+00", EL. 599.15 (N 1764024.646, E 1021631.306)
- B.M. 3093 PK NAIL E EP SHOULDER OF I-55 NB, 300 N OF RTE 59 BRIDGE AND AT MP 252 SIGN, EL. 597.52 (N 1764353.512, E 1021824.719)
- B.M. 3094 SQUARE CUT TOP HEADWALL OF 18" P CULVERT ON E SIDE OF E FRONTAGE RD ABOUT 600' N RTE 59 FLYOVER BRIDGE, EL. 596.09 (N 1764429.128, E 1021942.974)
- B.M. 3095 SQUARE CUT S EDGE OF E 2' DIA CONC BASE SIGN FOR "EXIT 253 SHORE WOOD-JOLIET 1/2 MILE", EL. 598.47 (N 1764879.556, E 1022121.727)
- B.M. 3096 PK NAIL E EP OF E FRONTAGE RD OPPOSITE OLD GRAVEL DR TO E AND I-55 NB SIGN "OFF-TRACK WAGERING FACILITY EXIT 253", EL. 599.84
- B.M. 3097 SQUARE CUT E EDGE OF 2' DIA CONC BASE SIGN "GAS-EXIT 253 PHILLIPS 66- SHELL- AMOCO", EL. 601.00 (N 1765612.170, E 1022501.210)
- B.M. 3098 PK NAIL E EP OF E FRONTAGE RD AND ABOUT 200' S OF OLD BIT DR WITH CURBS AND W OF 2 TALL CELL PHONE TOWERS, EL.601.49
- B.M. 3099 PK NAIL E EP OF FRONTAGE RD AT RISE IN HILL AND WITH 2 TALL CELL TOWERS TO EAST, EL. 601.30
- B.M. 3100 FND SQUARE CUT TOP AND E END OF S HEADWALL 15" CMP UNDER BIT DR TO ELKS MOTOR INN LODGE ON E FRONTAGE RD, EL. 599.28
- B.M. 3101 PK NAIL E EP OF E FRONTAGE RD 150' N OF ELKS DR., EL. 593.76
- B.M. 3102 PK NAIL E EP OF E FRONTAGE RD 400' OF ELKS DR, EL. 586.62
- B.M. 3103 PK NAIL E EP OF BIT SHOULDER OF I-55, 300' S OF RTE 52 EXIT RAMP AT S END OF GR AND 50' N OF LP *N08 AND MP 252.58, EL. 583.24 (N 1767096.33, E 1023252.907)

D247 1960 USGS (NAVD 88) EL. 543.27
BRASS DISC ON TOP OF W END OF CONC ABUT., AT THE N END OF NB LANES, I-55 BRIDGE OVER DES PLAINES RIVER

MC11 USGS, 1952 RESET 1990, EL. 584.503
BRASS CAP ON TOP AT N END OF SOUTHERLY PARAPHET WALL ON THE W SIDE OF US RTE 52 BRIDGE OVER DUPAGE RIVER

THE LOCATION AND DESCRIPTION OF ADDITIONAL BENCHMARKS ARE PRESENTED AS CONTROL POINTS (TP1 - TP2) ON ATTACHED SHEET 10.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
FAI ROUTE 55 (U.S. 6 TO U.S. 30)
PARK AND RIDE LOTS

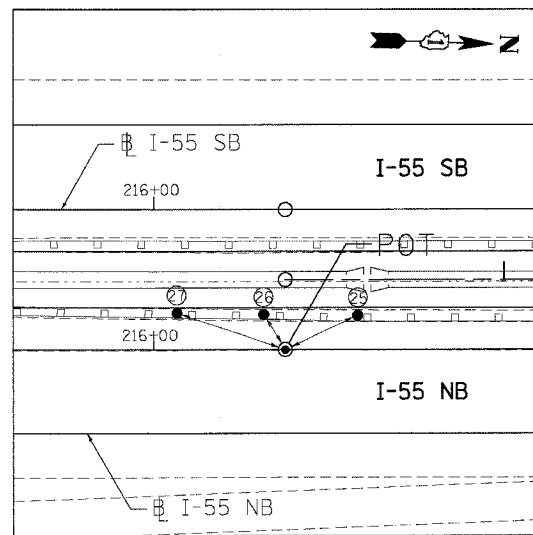
ALIGNMENT, TIES AND BENCHMARKS II

SCALE: N.T.S. DRAWN BY: RJS
DATE 05/15/07 CHECKED BY: DDH

TENG
TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
CHICAGO, ILLINOIS

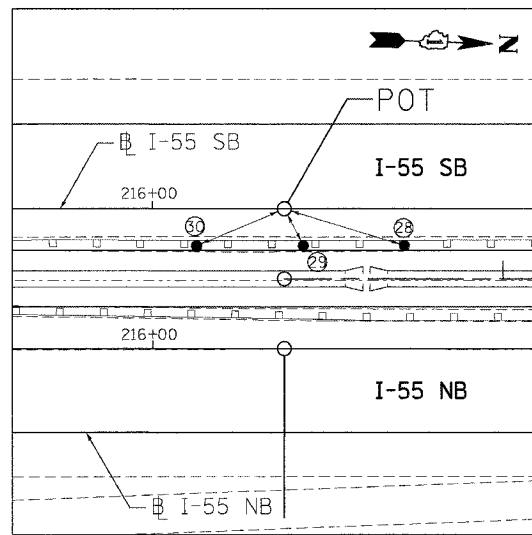
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2007-003 I	WILL	44	10
STA. TO STA.				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



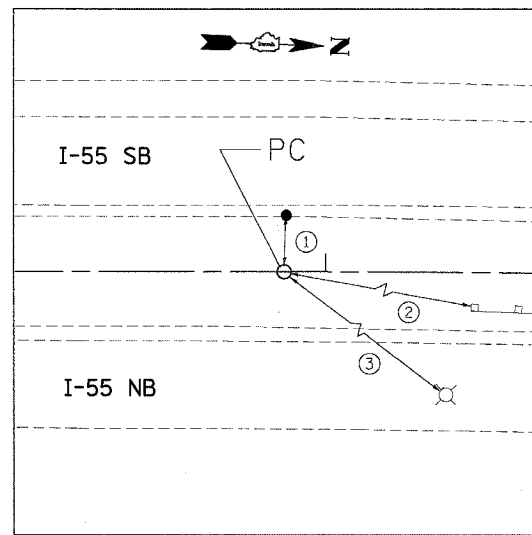
POT STA. 216+37.60 (SET PK NAIL)

- 25 SET PK NAIL, 22.84'
- 26 SET PK NAIL, 11.78'
- 27 SET PK NAIL, 32.62'



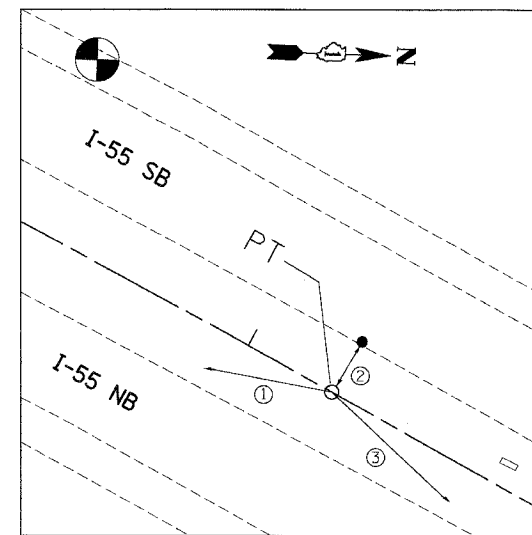
POT STA. 216+37.60 (SET PK NAIL)

- 28 SET PK NAIL, 35.82'
- 29 SET PK NAIL, 11.90'
- 30 SET PK NAIL, 27.24'



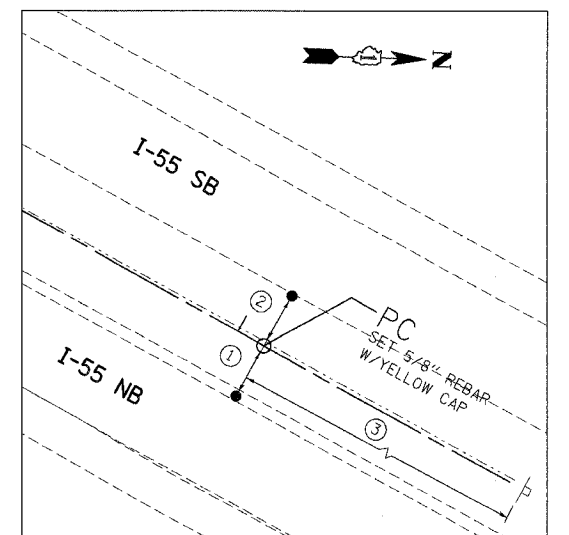
PC STA. 273+88.19

- 1 PK NAIL, EDGE OF E. SHLDR OF I-55 SB, 15.97'
- 2 PK NAIL, GR POST ALONG W. SHLDR. OF NB I-55, 139.33'
- 3 'X' CUT ON W. SIDE OF CONC. BASE OF LP, 119.43'



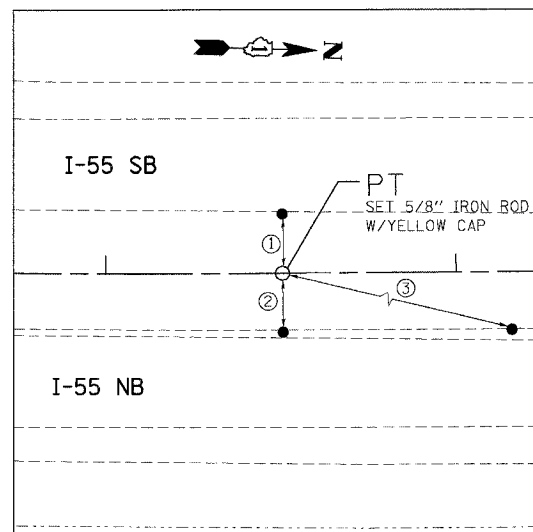
PT STA. 303+27.19

- 1 PK NAIL, TOP OF WD. SPACER TO GR, 36.22'
- 2 PK NAIL, E. EDGE OF SB I-55 SHLDR, 16.26'
- 3 PK NAIL, TOP OF WD. SPACER S. OF TIE #1, 45.48'



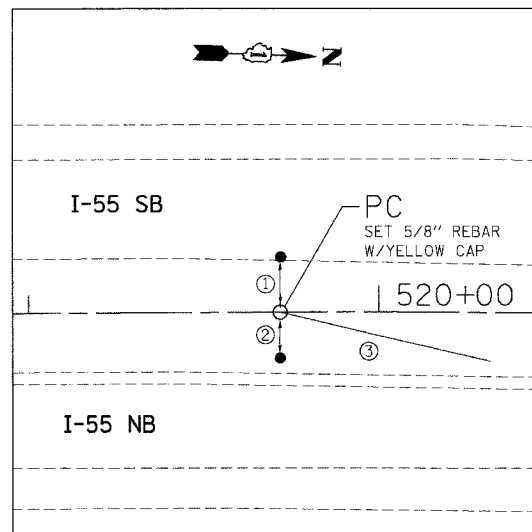
PC STA. 384+08.43

- 1 PK NAIL, W. E.P. SHLDR ON NB, 16.39'
- 2 PK NAIL, E. E.P. SHLDR ON SB, 16.44'
- 3 PK NAIL, E. FACE OF WD POST, 160.77'



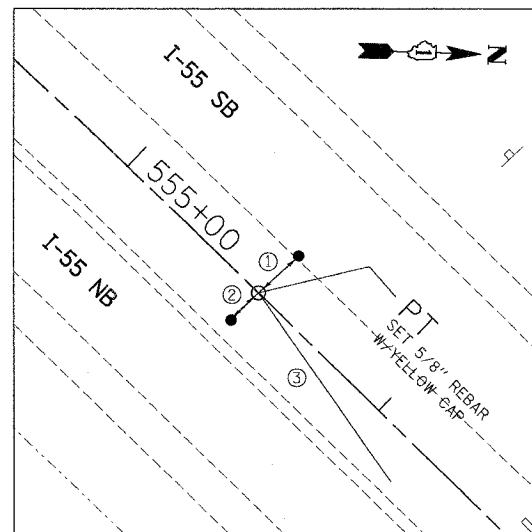
PT STA. 413+50.50

- 1 PK NAIL, E. E.P. OF SHLDR ON SB I-55 OPPOSITE P.T., 17.305'
- 2 PK NAIL, W. E.P. OF SHLDR ON NB I-55 OPPOSITE P.T., 16.747'
- 3 PK NAIL, W. E.P. OF SHLDR ON NB I-55 OPPOSITE SURFACE DRAIN TO CENTER MEDIAN, 130.54'



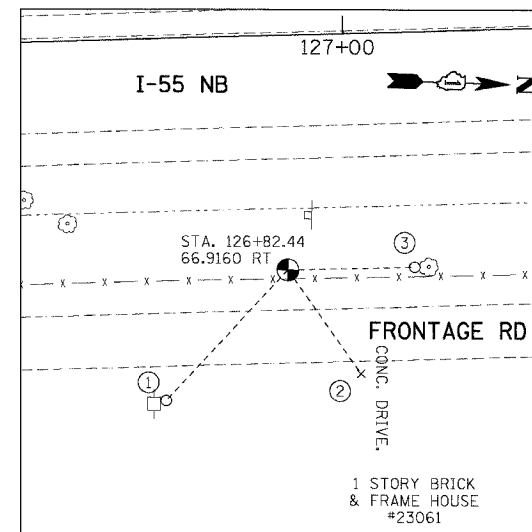
PC STA. 519+71.86

- 1 PK NAIL, SHLDR E.P. OF SB I-55, 15.964'
- 2 PK NAIL, ON TOP OF POST SPACER TO GR W, 12.796'
- 3 PK NAIL, ON 10TH I-BEAM N. OF TIE # 2, 61.467'



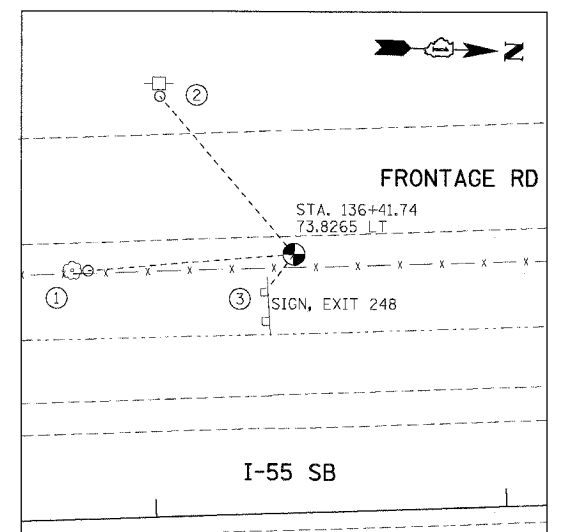
PT STA. 555+51.97

- 1 PK NAIL, E. E.P. SB I-55 OPP. P.T., 15.601'
- 2 PK NAIL, TOP OF WD. POST SPACER ON GR., 11.095'
- 3 PK NAIL, ON 10TH WD. POST SPACER ON GR NE'LY OF TIE # 2, 65.809'



TP1

- (N 1747171.665, E 1021895.312, ELEV. 537.694)
- 1 PK NAIL ON WEST FACE OF POWER POLE, 70.70'
- 2 CUT CROSS IN CONC. DRIVEWAY, 52.12'
- 3 PK NAIL ON SOUTH FACE OF 12" TREE, 36.18'



TP2

- (N 1748118.259, E 1021602.430, ELEV. 527.049)
- 1 PK NAIL ON EAST FACE OF 10" TREE, 44.45'
- 2 PK NAIL ON WEST FACE OF POWER POLE, 59.00'
- 3 NEAREST CORNER OF SIGN POST, 12.30'

DATE: 05/10/07
 FILE NAME: I:\PROJECTS\60C22\DRAWINGS\ALIGNMENT\ALIGNMENT\ALIGNMENT.DWG
 PLOT SCALE: 1"=40'
 USER: JRS

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 FAI ROUTE 55 (U.S. 6 TO U.S. 30)
 PARK AND RIDE LOTS

ALIGNMENT, TIES AND BENCHMARKS IV

SCALE: N.T.S. DRAWN BY: RJS
 DATE: 05/10/07 CHECKED BY: DDH

TENG
 TENG & ASSOCIATES, INC.
 ENGINEERS/ARCHITECTS/PLANNERS
 CHICAGO, ILLINOIS

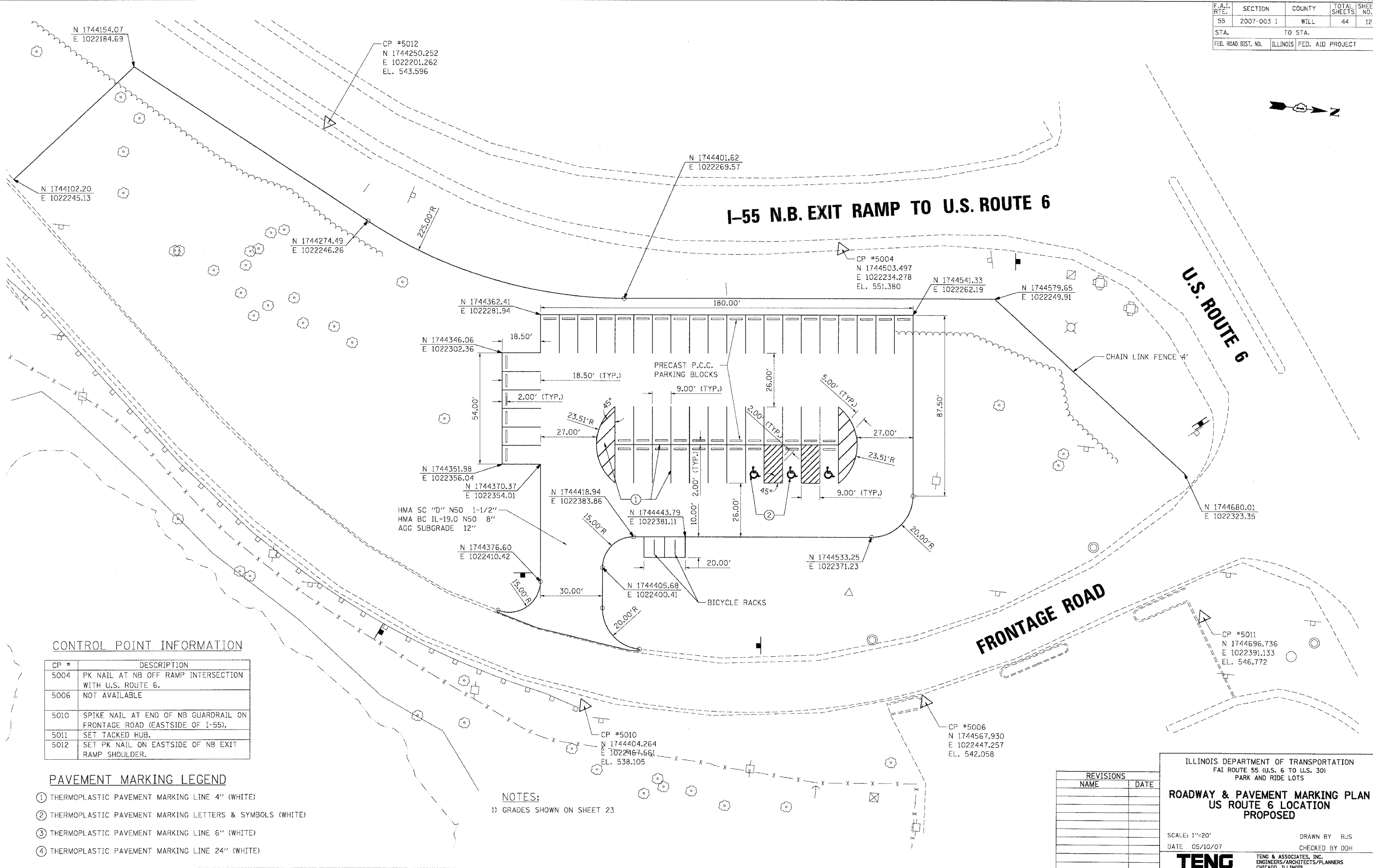
F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2007-003 I	WILL.	44	12
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



I-55 N.B. EXIT RAMP TO U.S. ROUTE 6

U.S. ROUTE 6

FRONTAGE ROAD



CONTROL POINT INFORMATION

CP #	DESCRIPTION
5004	PK NAIL AT NB OFF RAMP INTERSECTION WITH U.S. ROUTE 6.
5006	NOT AVAILABLE
5010	SPIKE NAIL AT END OF NB GUARDRAIL ON FRONTAGE ROAD (EASTSIDE OF I-55).
5011	SET TACKED HUB.
5012	SET PK NAIL ON EASTSIDE OF NB EXIT RAMP SHOULDER.

PAVEMENT MARKING LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING LINE 4" (WHITE)
- ② THERMOPLASTIC PAVEMENT MARKING LETTERS & SYMBOLS (WHITE)
- ③ THERMOPLASTIC PAVEMENT MARKING LINE 6" (WHITE)
- ④ THERMOPLASTIC PAVEMENT MARKING LINE 24" (WHITE)

NOTES:
1) GRADES SHOWN ON SHEET 23

PLOT DATE = 04/07/07
 FILE NAME = 04LE12
 PLOT SCALE = 1/4"=1'-0"
 USER NAME = RUBEN

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 FAI ROUTE 55 (U.S. 6 TO U.S. 30)
 PARK AND RIDE LOTS

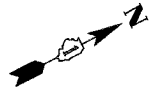
**ROADWAY & PAVEMENT MARKING PLAN
 US ROUTE 6 LOCATION
 PROPOSED**

SCALE: 1"=20'
 DATE 05/10/07

DRAWN BY RJS
 CHECKED BY DDH

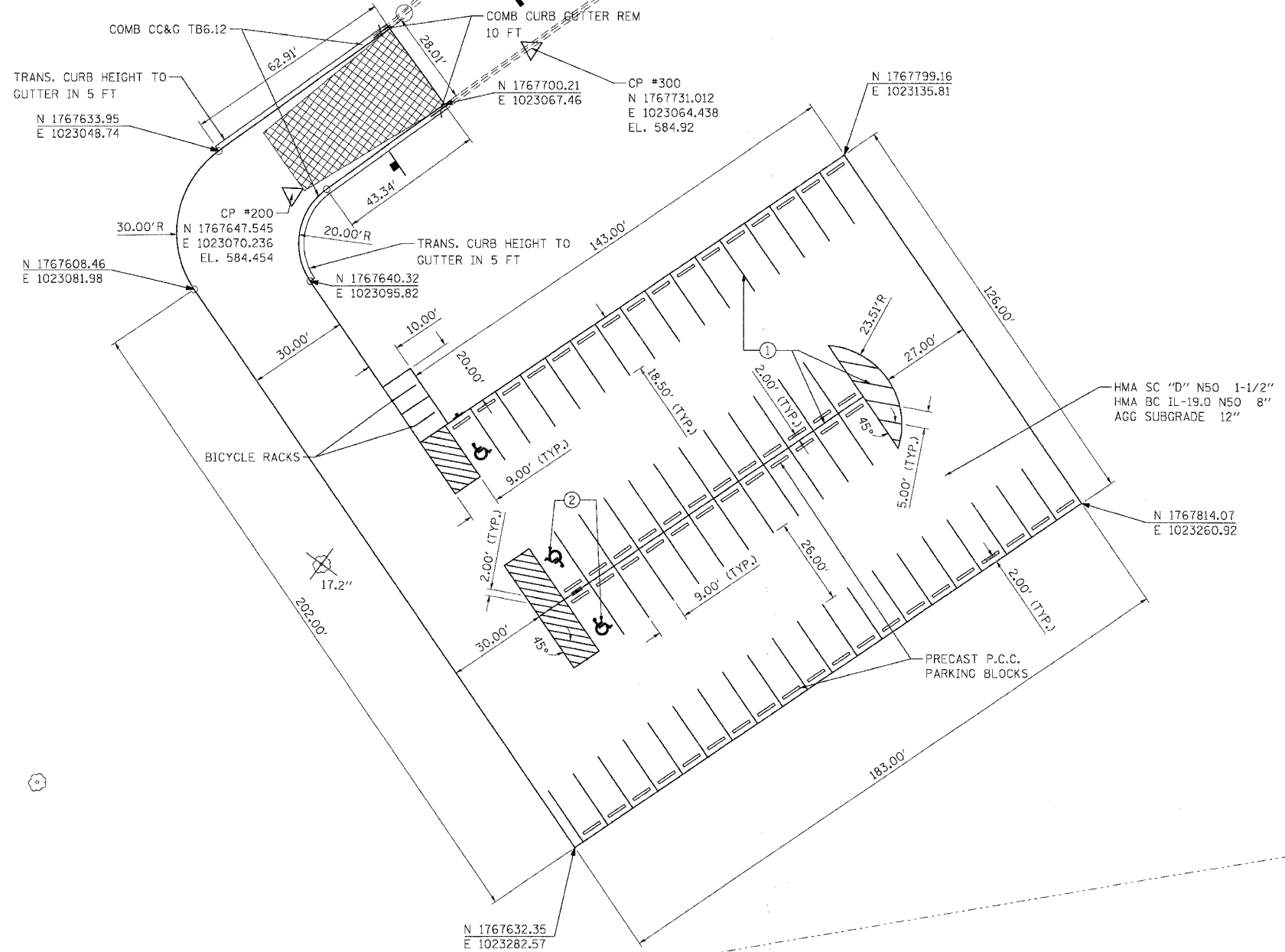
TENG
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 CHICAGO, ILLINOIS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2007-003 I	WILL	44	13
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



FRONTAGE ROAD

CP #301
N 1768052.045
E 1023017.786
EL. 586.56
(OFF SHEET)



CONTROL POINT INFORMATION

CP #	DESCRIPTION
200	SET PK NAIL AT SE'LY CORNER AT THE END OF BITUMINOUS ROADWAY FOR CHRYSLER CAR DEALERSHIP ±500' OFF ROUTE 52 ON THE WEST SIDE OF I-55.
300	SET CUT CROSS ON TOP OF CONCRETE CURB, ± 36.5' OFF END OF CURB AND GUTTER.
301	SET CUT CROSS ON TOP OF CONCRETE CURB, ± 38.5' NW CORNER OF INLET RIM.

NOTES:

1) GRADES ARE SHOWN ON SHEET 24

HMA SC "D" N50 1-1/2"
HMA BC IL-19.0 N50 8"
AGG SUBGRADE 12"

N 1767814.07
E 1023260.92

N 1767632.35
E 1023282.57

REMOVAL LEGEND



PAVEMENT MARKING LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING LINE 4" (WHITE)
- ② THERMOPLASTIC PAVEMENT MARKING LETTERS & SYMBOLS (WHITE)
- ③ THERMOPLASTIC PAVEMENT MARKING LINE 6" (WHITE)
- ④ THERMOPLASTIC PAVEMENT MARKING LINE 24" (WHITE)

I-55 SB ENTRANCE RAMP FROM U.S. ROUTE 52

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
FAI ROUTE 55 (U.S. 6 TO U.S. 30)
PARK AND RIDE LOTS

**ROADWAY & PAVEMENT MARKING PLAN
US ROUTE 52 LOCATION**

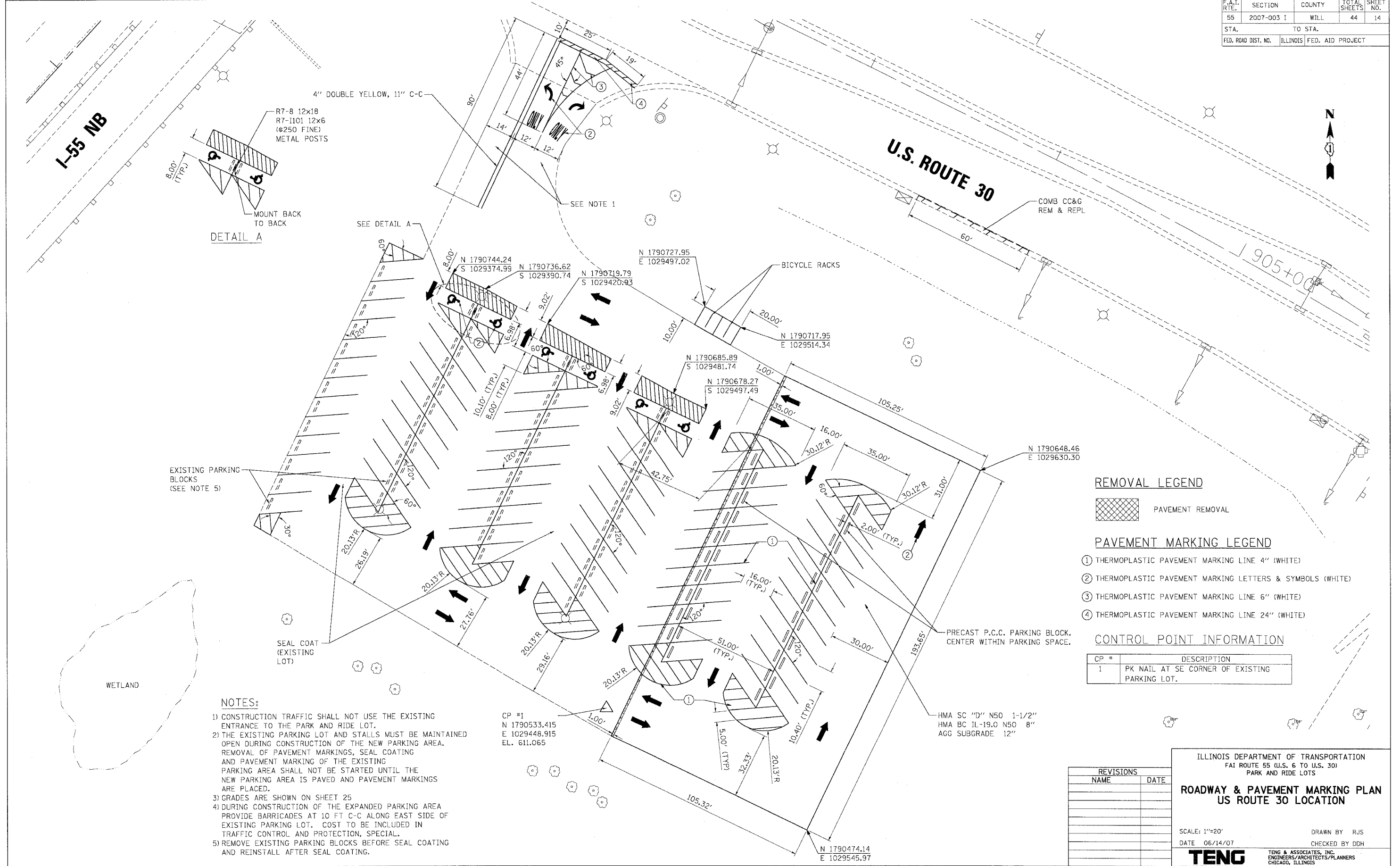
SCALE: 1"=20'
DATE 05/10/07

DRAWN BY RJS
CHECKED BY DDH

TENG
TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
CHICAGO, ILLINOIS

PLOT DATE = 05/10/07
 FILE NAME = 051007.DWG
 PLOT SCALE = 1"=20'
 USER NAME = RJS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2007-003 I	WILL	44	14
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



R7-8 12x18
R7-1101 12x6
(\$250 FINE)
METAL POSTS

MOUNT BACK TO BACK

DETAIL A

REMOVAL LEGEND

PAVEMENT REMOVAL

PAVEMENT MARKING LEGEND

- ① THERMOPLASTIC PAVEMENT MARKING LINE 4" (WHITE)
- ② THERMOPLASTIC PAVEMENT MARKING LETTERS & SYMBOLS (WHITE)
- ③ THERMOPLASTIC PAVEMENT MARKING LINE 6" (WHITE)
- ④ THERMOPLASTIC PAVEMENT MARKING LINE 24" (WHITE)

CONTROL POINT INFORMATION

CP #	DESCRIPTION
1	PK NAIL AT SE CORNER OF EXISTING PARKING LOT.

- NOTES:**
- CONSTRUCTION TRAFFIC SHALL NOT USE THE EXISTING ENTRANCE TO THE PARK AND RIDE LOT.
 - THE EXISTING PARKING LOT AND STALLS MUST BE MAINTAINED OPEN DURING CONSTRUCTION OF THE NEW PARKING AREA. REMOVAL OF PAVEMENT MARKINGS, SEAL COATING AND PAVEMENT MARKING OF THE EXISTING PARKING AREA SHALL NOT BE STARTED UNTIL THE NEW PARKING AREA IS PAVED AND PAVEMENT MARKINGS ARE PLACED.
 - GRADES ARE SHOWN ON SHEET 25
 - DURING CONSTRUCTION OF THE EXPANDED PARKING AREA PROVIDE BARRICADES AT 10 FT C-C ALONG EAST SIDE OF EXISTING PARKING LOT. COST TO BE INCLUDED IN TRAFFIC CONTROL AND PROTECTION, SPECIAL.
 - REMOVE EXISTING PARKING BLOCKS BEFORE SEAL COATING AND REINSTALL AFTER SEAL COATING.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
FAI ROUTE 55 (U.S. 6 TO U.S. 30)
PARK AND RIDE LOTS

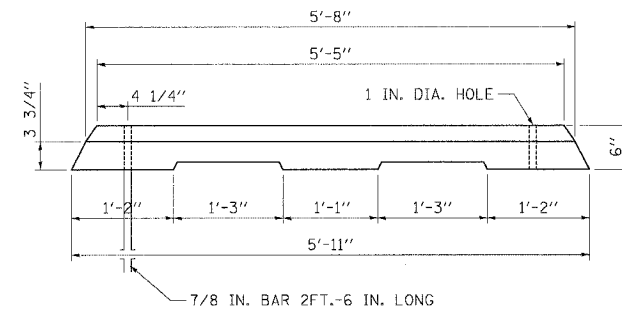
**ROADWAY & PAVEMENT MARKING PLAN
US ROUTE 30 LOCATION**

SCALE: 1"=20'
DATE 06/14/07
DRAWN BY RJS
CHECKED BY DDH

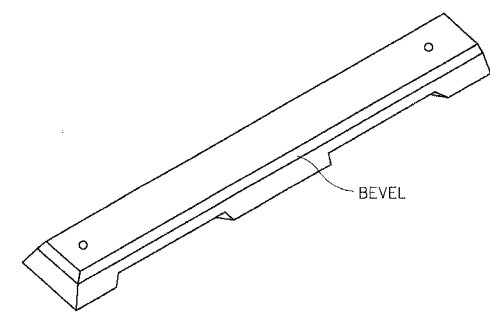
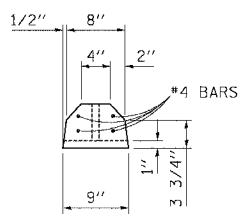
TENG
TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
CHICAGO, ILLINOIS

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

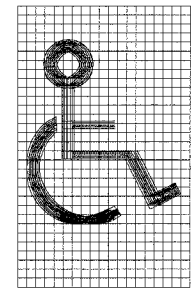
F.A.I. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2007-003 I	WILL	44	15
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



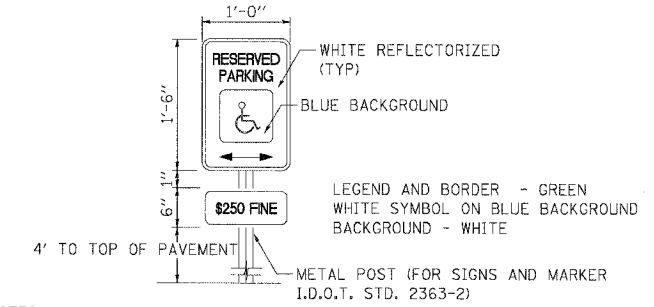
WEIGHT: 275 LBS.
CONCRETE SPEC.: 3500 PSI @ 28 DAYS



PARKING BLOCK DETAIL
N.T.S.

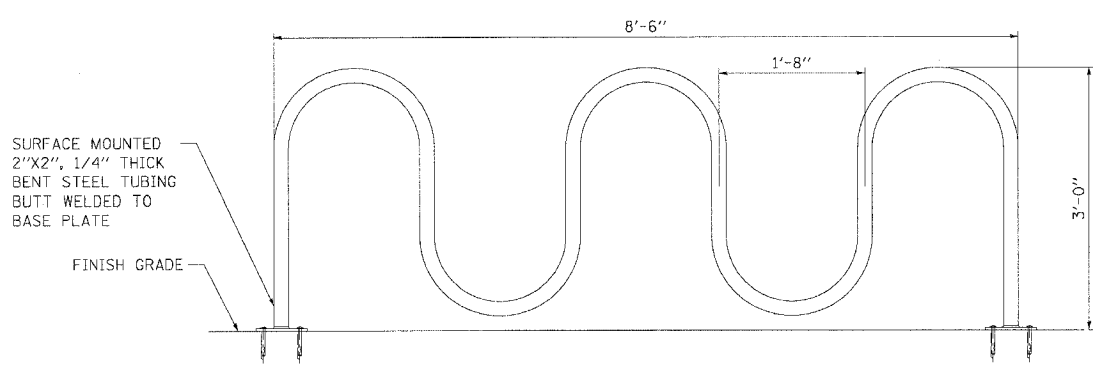


BACKGROUND - BLUE
SYMBOL - WHITE

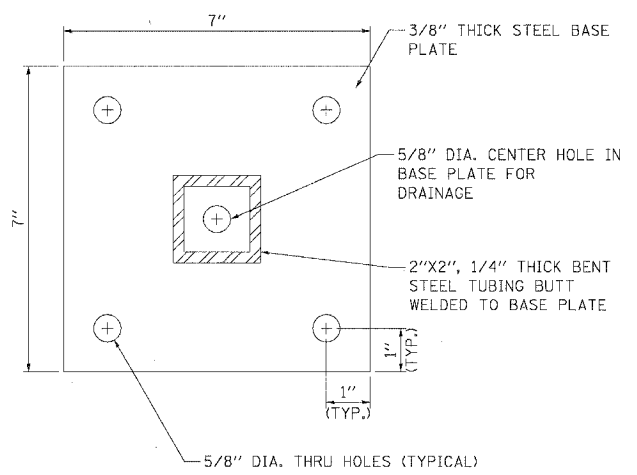


NOTES:
"RESERVED PARKING" SIGN SHALL CONFORM TO RT-8 U.S. DEPARTMENT OF TRANSPORTATION STANDARD AS SHOWN AND DESCRIBED IN THE ILLINOIS ACCESSIBILITY CODE.
"\$250 FINE" SIGN SHALL CONFORM TO THE DESIGN SHOWN IN THE ILLINOIS ACCESSIBILITY CODE.

HANDICAP SIGN DETAIL
N.T.S.

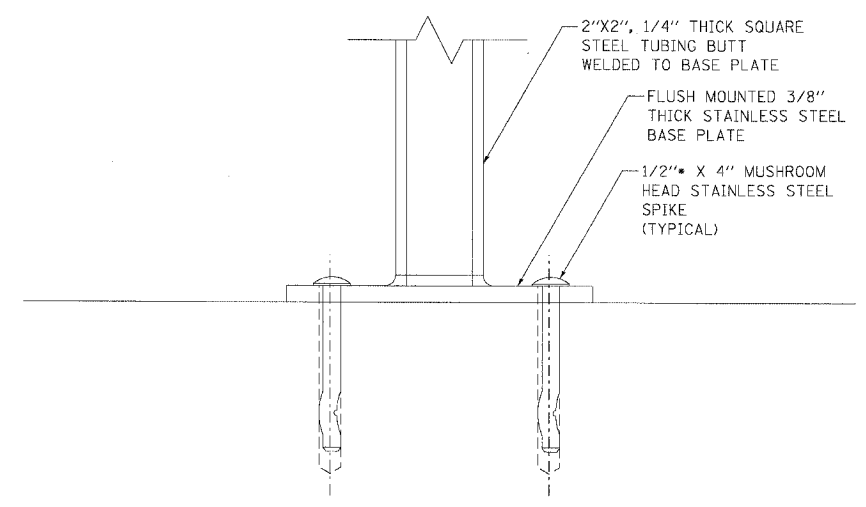


BICYCLE RACK
N.T.S.



BASE ENLARGEMENT SECTION
N.T.S.

NOTE:
SQUARE STEEL TUBING SHALL BE ACCORDING TO ASTM A 500.



BASE PLATE DETAIL
N.T.S.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
FAI ROUTE 55 (U.S. 6 TO U.S. 30)
PARK AND RIDE LOTS

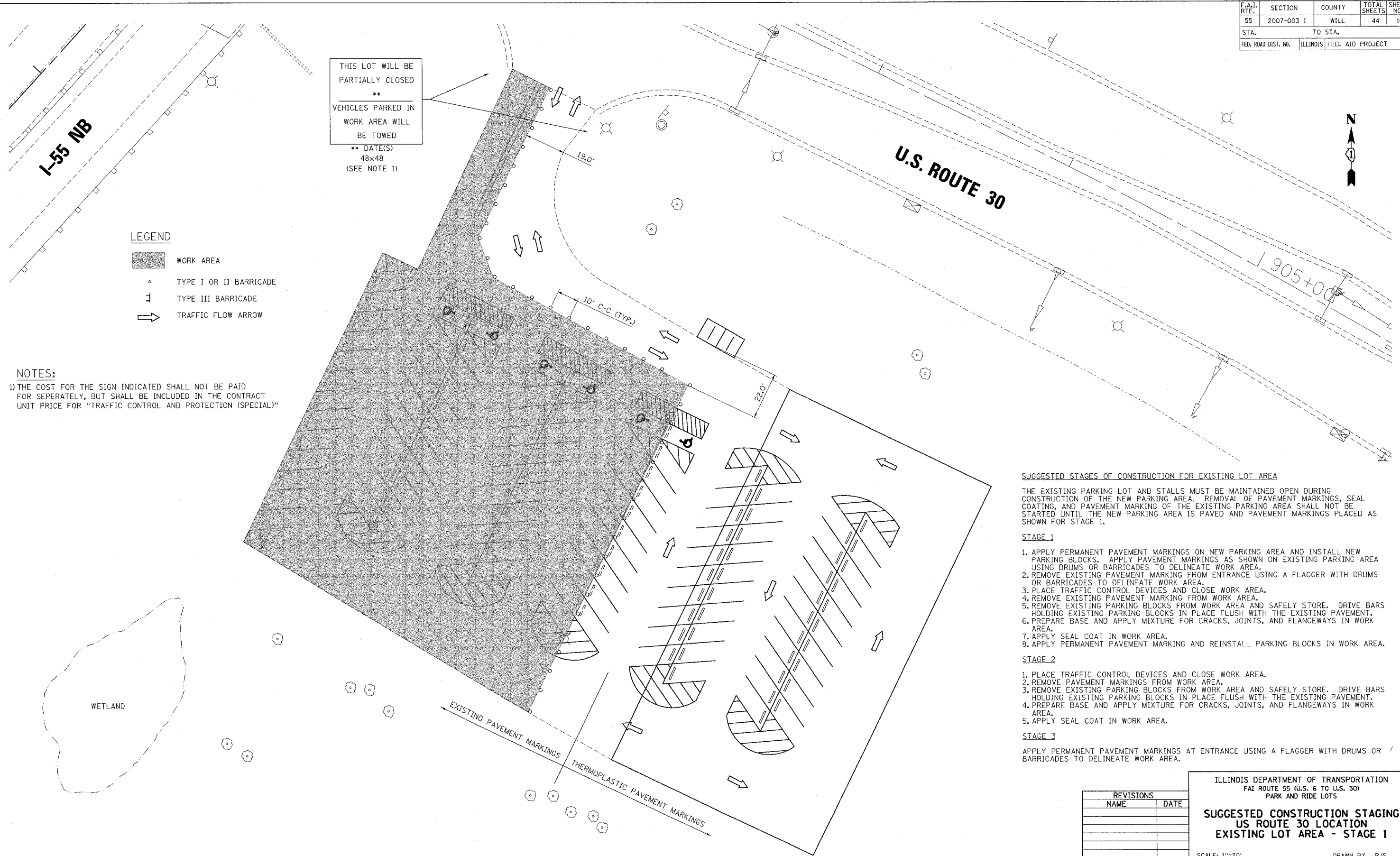
ROADWAY AND SIGN DETAILS

SCALE: N.T.S. DRAWN BY JFS
DATE 05/15/07 CHECKED BY DDH

TENG
TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
CHICAGO, ILLINOIS

PLOT DATE = 05/15/07
 FILE NAME = 051507.DWG
 PLOT SCALE = 1/8"=1'-0"
 USER NAME = JFS
 B:\PROJECTS\2007\051507\051507.DWG
 STANKITZ

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2007-003 I	WILL	44	16
STA. TO STA.		ILLINOIS FED. AID PROJECT		



LEGEND

	WORK AREA
	TYPE I OR II BARRICADE
	TYPE III BARRICADE
	TRAFFIC FLOW ARROW

NOTES:
 1) THE COST FOR THE SIGN INDICATED SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR "TRAFFIC CONTROL AND PROTECTION (SPECIAL)"

SUGGESTED STAGES OF CONSTRUCTION FOR EXISTING LOT AREA
 THE EXISTING PARKING LOT AND STALLS MUST BE MAINTAINED OPEN DURING CONSTRUCTION OF THE NEW PARKING AREA. REMOVAL OF PAVEMENT MARKINGS, SEAL COATING, AND PAVEMENT MARKING OF THE EXISTING PARKING AREA SHALL NOT BE STARTED UNTIL THE NEW PARKING AREA IS PAVED AND PAVEMENT MARKINGS PLACED AS SHOWN FOR STAGE 1.

- STAGE 1**
1. APPLY PERMANENT PAVEMENT MARKINGS ON NEW PARKING AREA AND INSTALL NEW PARKING BLOCKS. APPLY PAVEMENT MARKINGS AS SHOWN ON EXISTING PARKING AREA USING DRUMS OR BARRICADES TO DELINEATE WORK AREA.
 2. REMOVE EXISTING PAVEMENT MARKING FROM ENTRANCE USING A FLAGGER WITH DRUMS OR BARRICADES TO DELINEATE WORK AREA.
 3. PLACE TRAFFIC CONTROL DEVICES AND CLOSE WORK AREA.
 4. REMOVE EXISTING PAVEMENT MARKING FROM WORK AREA.
 5. REMOVE EXISTING PARKING BLOCKS FROM WORK AREA AND SAFELY STORE. DRIVE BARS HOLDING EXISTING PARKING BLOCKS IN PLACE FLUSH WITH THE EXISTING PAVEMENT.
 6. PREPARE BASE AND APPLY MIXTURE FOR CRACKS, JOINTS, AND FLANGWAYS IN WORK AREA.
 7. APPLY SEAL COAT IN WORK AREA.
 8. APPLY PERMANENT PAVEMENT MARKING AND REINSTALL PARKING BLOCKS IN WORK AREA.

- STAGE 2**
1. PLACE TRAFFIC CONTROL DEVICES AND CLOSE WORK AREA.
 2. REMOVE PAVEMENT MARKINGS FROM WORK AREA.
 3. REMOVE EXISTING PARKING BLOCKS FROM WORK AREA AND SAFELY STORE. DRIVE BARS HOLDING EXISTING PARKING BLOCKS IN PLACE FLUSH WITH THE EXISTING PAVEMENT.
 4. PREPARE BASE AND APPLY MIXTURE FOR CRACKS, JOINTS, AND FLANGWAYS IN WORK AREA.
 5. APPLY SEAL COAT IN WORK AREA.

- STAGE 3**
1. APPLY PERMANENT PAVEMENT MARKINGS AT ENTRANCE USING A FLAGGER WITH DRUMS OR BARRICADES TO DELINEATE WORK AREA.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 FAI ROUTE 55 (U.S. 6 TO U.S. 30)
 PARK AND RIDE LOTS

**SUGGESTED CONSTRUCTION STAGING
 US ROUTE 30 LOCATION
 EXISTING LOT AREA - STAGE 1**

SCALE: 1"=20'
 DATE: 05/24/07

DRAWN BY: RJS
 CHECKED BY: DDH

TENG
 TENG & ASSOCIATES, INC.
 ENGINEERS/ARCHITECTS/PLANNERS
 CHICAGO, ILLINOIS

PLOT DATE = #DATE#
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2007-003 I	WILL	44	18
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

EROSION AND SEDIMENT CONTROL GENERAL NOTES

1. THE WORK DESCRIBED ON THESE DRAWINGS ARE AN INTEGRAL PART OF THE STORM WATER POLLUTION PREVENTION PLAN USED TO OBTAIN A NPDES PERMIT FROM IEPA FOR THE CONSTRUCTION OF THIS PROJECT.
2. THE PURPOSE OF THE EROSION AND SEDIMENT CONTROL MEASURES INCLUDED FOR THIS PROJECT IS TO LIMIT THE SEDIMENT POLLUTION IMPACT, OF ANY STORM WATER DISCHARGES THAT ORIGINATE ON THIS SITE OR OFF-SITE FLOWS THAT FLOW OVER THE DISTURBED AREAS, ON DOWNSTREAM AREAS.
3. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSURE THAT SEDIMENT TRANSPORT OFF THE SITE IS REDUCED BY A COMBINATION OF MINIMIZATION OF EROSION AT THE SOURCE AND INSTALLATION OF SPECIFIC MEASURES TO CONTROL OR REDUCE THE TRANSPORT OF SEDIMENT. A COPY OF THE EROSION AND SEDIMENT CONTROL SCHEDULE BEING IMPLEMENTED BY THE CONTRACTOR WILL BE ON THE CONSTRUCTION SITE AT ALL TIMES.
4. TO THE MAXIMUM EXTENT POSSIBLE, ALL FLOWS ORIGINATING OFF THE CONSTRUCTION SITE WILL BE DIVERTED AROUND DISTURBED AREAS OR WILL BE CONVEYED THROUGH THE SITE IN A MANNER THAT UNTREATED ON-SITE RUNOFF DOES NOT MIX WITH THE OFF-SITE RUNOFF.
5. ALL RUNOFF ORIGINATING ON DISTURBED AREAS ASSOCIATED WITH THIS PROJECT WILL PASS THROUGH ONE OR MORE MEASURES THAT WILL MINIMIZE THE OFF-SITE SEDIMENT IMPACTS OF THE CONSTRUCTION ACTIVITY.
6. ALL PERMANENT SEDIMENT BASINS, PERMANENT STORM WATER CONTROL MEASURES, AND RUNOFF CONTROL MEASURES REQUIRED TO KEEP OFF-SITE RUNOFF FROM FLOWING OVER THE CONSTRUCTION AREA WILL BE INSTALLED BEFORE CLEARING AND STRIPPING OF THE SITE PROCEEDS. PRIOR TO PROCEEDING WITH GENERAL EARTHWORK ON A PROJECT THE CONTRACTOR WILL OBTAIN APPROVAL OF HIS PROPOSED EARTHWORK AND STABILIZATION SCHEDULE.
7. A MAXIMUM OF 10 ACRES MAY BE IN SOME STAGE OF GRADING AT A SINGLE TIME. ADDITIONAL AREAS (UP TO 10 ACRES) MAY BE CLEARED BUT WILL NOT BE STRIPPED OF VEGETATION UNTIL THE GRADED AREAS HAVE BEEN PROTECTED FROM EROSION THROUGH INSTALLATION OF EITHER TEMPORARY OR PERMANENT MEASURES. WHENEVER POSSIBLE, THE GRADING WILL BE COMPLETED TO THE DESIGN GRADE AND THE PERMANENT VEGETATION PLAN IMPLEMENTED PRIOR TO STARTING GRADING ACTIVITIES ON THE NEXT SITE.
 - (A) WHEN BALANCING EARTHWORK (BORROW FROM A CUT USED AS FILL AT A LOCATION DISTANT FROM THE CUT) THE ENGINEER WILL CONSIDER ALLOWING MORE THAN 10 ACRES OF GRADING AT A TIME. THE 10 ACRES LIMITATION DOES NOT INCLUDE HAUL ROADS, BRIDGE CONSTRUCTION WORK AREAS AND STORAGE AREAS.
 - (B) VARIATIONS TO THE ABOVE MAY BE CONSIDERED BY THE ENGINEER UNDER ALL THE FOLLOWING CONDITIONS:
 - * IF THE CONTRACTOR FALLS BEHIND SCHEDULE THROUGH NO FAULT OF HIS OWN.
 - * THE CONTRACTOR MUST PRESENT A SCHEDULE DEMONSTRATING THE NEED FOR SUCH VARIATION IN ORDER TO COMPLETE THE WORK ON TIME.
 - * THE CONTRACTOR MUST COMPLY WITH ALL OTHER CONTRACT REQUIREMENTS.
8. DISTURBED AREAS ARE TO BE PROTECTED FROM EROSION IN A TIMELY MANNER. UPON COMPLETION OF GRADING OR CONSTRUCTION, THE AREA WILL BE STABILIZED (USING PERMANENT MEASURES WHEN POSSIBLE) WITHIN 7 CALENDAR DAYS. TEMPORARY STABILIZATION THROUGH USE OF GROUND COVER, MULCHING, OR OTHER APPROVED MEASURES WILL BE INSTALLED WHENEVER SITE DEVELOPMENT WORK, GRADING OR OTHER EARTH DISTURBING ACTIVITIES CEASE TO BE CONTINUOUS FOR A PERIOD EXCEEDING 14 CALENDAR DAYS. THE 7/14 DAY REQUIREMENT IS TAKEN TO MEAN THAT THE STABILIZATION OPERATION IS COMPLETE OR NEARING COMPLETION IN THE DEFINED TIME.
9. STABILIZATION OF CUT OR FILL SLOPES WITH TEMPORARY OR PERMANENT EROSION CONTROL MEASURES IS REQUIRED WHENEVER THE CUT OR FILL ACTIVITY REACHES 10 FEET VERTICALLY OR THE FINISHED SLOPE EQUALS 30 FEET, WHICHEVER IS MORE RESTRICTIVE. ONCE THE STABILIZATION MEASURES ARE INSTALLED, THE PLACEMENT OF FILL EXCAVATION ACTIVITIES ARE ALLOWED TO PROCEED.
10. THE CONTRACTOR SHALL DESIGNATE ONE OF HIS EMPLOYEES AS RESPONSIBLE FOR IMPLEMENTATION OF THE EROSION AND SEDIMENT CONTROL PLAN ON ALL DISTURBED AREAS. THIS PERSON IS TO BE KNOWLEDGEABLE ABOUT INSTALLATION AND MAINTENANCE OF THE REQUIRED MEASURES. THIS EMPLOYEE IS TO HAVE THE AUTHORITY TO CARRY OUT THE IMPLEMENTATION OF ANY INSTRUCTIONS CONCERNING THE EROSION AND SEDIMENT CONTROL PLAN GIVEN BY THE ENGINEER. ALL MEASURES WILL BE INSPECTED BY THIS INDIVIDUAL AND THE ENGINEER ON A REGULAR BASIS (AT LEAST ONCE EVERY 7 DAYS) AND AFTER RAINFALL EVENTS GREATER THAN 1/2 INCH.
11. SEDIMENT TRAPS, SEDIMENT BASINS, DITCHES, SEDIMENT CONTROL, SILT FENCE, STONE OUTLET STRUCTURES, EARTH BERMS, ETC. SHALL BE MAINTAINED DURING THE CONSTRUCTION SEASON AS WELL AS THE WINTER MONTHS AND OTHER TIMES WHEN THE PROJECT IS CLOSED DOWN. TRAPS WILL BE CLEANED WHEN THEY ARE 50% FILLED, SILT FENCE STONE OUTLET STRUCTURES SHALL HAVE SEDIMENT REMOVED WHEN IT REACHES 50% THE HEIGHT OF THE CONTROL DEVICE. THESE SPOILS WILL BE REMOVED TO AN APPROVED SITE.
12. SALVAGED TOPSOIL SHALL BE PLACED ON WELL DRAINED LAND AWAY FROM INTERMITTENT AND LIVE STREAMS OR WETLANDS WITH THE APPROPRIATE RUNOFF CONTROL AND SEDIMENT CONTROL MEASURES INSTALLED AROUND THE STORAGE SITE AND STABILIZED IMMEDIATELY AFTER FINAL SHAPING OF THE PILE IN ACCORDANCE WITH MULCH, METHOD 2. THE CONTRACTOR WILL PROVIDE AN ADEQUATE QUANTITY OF SILT FENCE TO CONTROL THE PERIMETER OF THE STOCKPILE.
13. MATERIALS EXCAVATED FOR THE CONSTRUCTION OR CLEANOUT OF SEDIMENT TRAPS OR SEDIMENT BASINS SHALL NOT BE STOCKPILED IN THE (VICINITY) OF THE TRAP OR BASIN. IT WILL EITHER BE PLACED IN AN EMBANKMENT OR WASTED AS DIRECTED BY THE ENGINEER.
14. EXCAVATION TO BE USED FOR EMBANKMENTS SHALL NOT BE STOCKPILED UNLESS PERIMETER CONTROLS ARE UTILIZED. WHEN THIS MATERIAL IS STOCKPILED FOR THE CONVENIENCE OF THE CONTRACTOR THE COST OF THE CONTROLS ARE BORNE BY THE CONTRACTOR. IF THE MATERIAL IS STOCKPILED AT THE DIRECTION OF THE ENGINEER THE DEPARTMENT WILL ASSUME THE COSTS OF THE CONTROLS.
15. SEDIMENT LADEN DEWATERING DISCHARGE MUST BE DIRECTED TO AN APPROVED SEDIMENT TRAPPING MEASURE PRIOR TO RELEASE FROM THE SITE.
16. WHEN THE CONTRACTOR REQUESTS A CHANGE TO POSTPONE COMPLETION OF THE EXCAVATION OF A SPECIFIC AREA AS A CONTINUOUS OPERATION AND PLACING THE TOPSOIL AS DEFINED IN THE STANDARD SPECIFICATIONS, THE ENGINEER MAY ALLOW THE CONTRACTOR TO STABILIZE THE AREA USING TEMPORARY STABILIZATION WITH STRAW MULCH PROVIDING THE FOLLOWING CONDITIONS ARE MET:
 - (A) ALL AREAS BEING STABILIZED ARE 3:1 SLOPES OR FLATTER.
 - (B) THE CONTRACTOR BEARS THE COST OF PREPARING THE SEED BED AND STABILIZING THE AREA WITH TEMPORARY STABILIZATION WITH STRAW MULCH.
 - (C) ALL REQUIRED SEDIMENT CONTROL MEASURES FOR THE SECTION OF ROAD IN QUESTION HAVE BEEN INSTALLED ARE BEING MAINTAINED.
17. SEEDING USAGE
 - TEMPORARY EROSION CONTROL SEEDING - USED ON SHORT TERM TEMPORARY SEEDING.
 - CLASS 2A - SALT TOLERANT ROADSIDE MIX USED FOR NEW CONSTRUCTION OF LIMITED ACCESS ROUTES INTENDED TO BE MOWED BY IDOT.
 - CLASS 4 - USED IN PERMANENT 1:2 SLOPES AND 1:3 SLOPES HIGHER THAN 10 FEET.
18. TOP SOIL PLACEMENT
 - TOPSOIL WILL BE PLACED ON FINAL SLOPES WHICH WILL NOT BE DISTURBED BY FUTURE CONSTRUCTION. TOPSOIL WILL NOT BE PLACED ON SURFACES WHICH WILL BE PAVED IN THE FUTURE, NOR ON TEMPORARILY STEEP SLOPES.
19. THE CONSTRUCTION LIMITS WILL BE STAKED BY THE ENGINEER PRIOR TO COMMENCING CONSTRUCTION. THE CONSTRUCTION LIMITS MAY BE ADJUSTED BY THE ENGINEER TO PRESERVE TREES AND NO ADDITIONAL COMPENSATION WILL BE PAID TO THE CONTRACTOR FOR CHANGED CONSTRUCTION LIMITS.
20. THE RESIDENT ENGINEER SHALL HAVE FINAL DETERMINATION OF THE PLACEMENT AND LOCATION OF THE SEDIMENT CONTROL, SILT FENCE.
21. SEE EROSION AND SEDIMENT CONTROL PLANS FOR PLACEMENT OF ALL EROSION AND SEDIMENT CONTROL PAY ITEMS.
22. SEE PROPOSED DRAINAGE PLANS FOR FINAL DRAINAGE STRUCTURE, STORM SEWER AND PIPE CULVERT INFORMATION.
23. SEE GRADING AND LANDSCAPING PLANS FOR INFORMATION CONCERNING THE REMOVAL, ADJUSTMENT, RECONSTRUCTION, ETC. OF EXISTING STRUCTURE AND PIPES.
24. THE ACTUAL NEED FOR TEMPORARY DRAINAGE FACILITIES, AS WELL AS THE STAGING OF THE PERMANENT DRAINAGE SYSTEM CONSTRUCTION, MAY BE MODIFIED BY THE RESIDENT ENGINEER, WHO SHALL BE CONSULTED BEFORE THE INSTALLATION. WHERE APPLICABLE, TEMPORARY STRUCTURE AND PIPE TABLES FOR THIS WORK ARE SHOWN ON THE EROSION CONTROL PLANS.
25. EROSION CONTROL MEASURES SHALL BE REMOVED ONLY WHERE INDICATED ON THE PLANS. COST OF REMOVAL SHALL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE TYPE OF MEASURE INDICATED ON THE PLANS.

WILL/SOUTH COOK SOIL AND WATER CONSERVATION DISTRICT
GENERAL NOTES

- A. THE SOIL AND WATER CONSERVATION DISTRICT IS RESPONSIBLE FOR CONDUCTING SITE VISITS AND VERIFYING THAT THE PRACTICES ARE WORKING PROPERLY AND DETERMINE IF ADDITIONAL PRACTICES ARE NEEDED FOR BETTER SOIL EROSION AND SEDIMENT CONTROL. IF ADDITIONAL PRACTICES ARE DEEMED NECESSARY BY THE SWCD THE CONTRACTOR WILL IMPLEMENT THE PRACTICES IN A TIMELY MANNER.
- B. THE WILL/SOUTH COOK SOIL AND WATER CONSERVATION DISTRICT MUST BE NOTIFIED ONE WEEK PRIOR TO THE PRE-CONSTRUCTION CONFERENCE, ONE WEEK PRIOR TO THE COMMENCEMENT OF LAND DISTURBING ACTIVITIES, AND ONE WEEK PRIOR TO FINAL INSPECTION.
- C. EROSION CONTROL BLANKET SHALL BE INSTALLED TO ALL DISTURBED AREAS WITH SLOPES EQUAL TO OR GREATER THAN 5H:1V AND IN CRITICAL AREAS (i.e. DETENTION BASIN PERIMETERS, STREAMBANKS, BERMS, etc.) IMMEDIATELY UPON FINAL GRADING.
- D. SILT FENCE SHALL BE INSTALLED FOLLOWING THE COMPLETION AND STABILIZATION OF THE STORMWATER FACILITIES WILL REMAIN IN PLACE UNTIL THE CONTRIBUTING AREA IS STABILIZED.
- E. STOCKPILES OF SOIL AND OTHER BUILDING MATERIALS TO REMAIN IN PLACE MORE THAN THREE (3) DAYS SHALL BE FURNISHED WITH EROSION AND SEDIMENT CONTROL MEASURES (i.e. PERIMETER SILT FENCE). STOCKPILES TO REMAIN IN PLACE FOR 30 DAYS OR MORE SHALL RECEIVE TEMPORARY SEEDING.
- F. ALL ADJACENT STREETS MUST BE KEPT CLEAR OF DEBRIS, INSPECTED DAILY AND CLEANED WHEN NECESSARY.
- G. ALL SOIL EROSION AND SEDIMENT CONTROL PRACTICES ARE REFERENCED FROM THE ILLINOIS URBAN MANUAL.
- H. A STAMPED AND SIGNED COPY OF THE APPROVED SOIL EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON THE SITE AT ALL TIMES AND BE PRESENTED WHEN REQUESTED BY WILL/SOUTH COOK SWCD, U.S. ARMY CORPS OF ENGINEERS OR ANY OTHER AUTHORIZED AGENCY.

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REVISIONS	
NAME	DATE

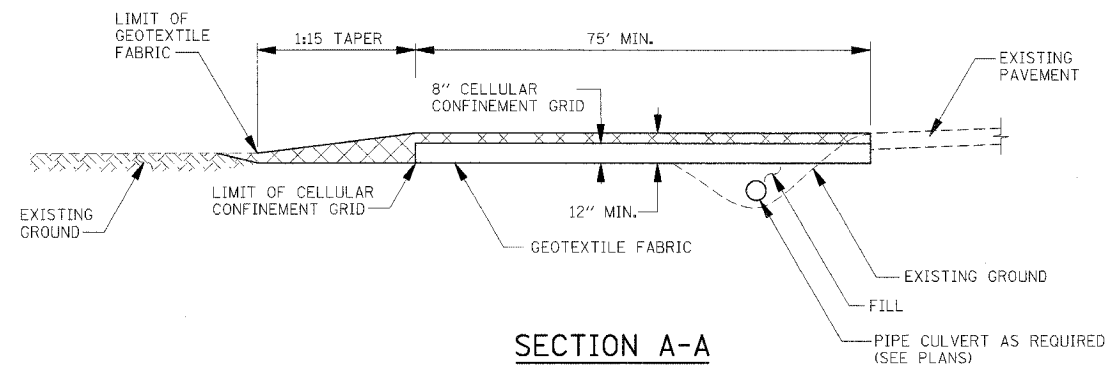
ILLINOIS DEPARTMENT OF TRANSPORTATION
 FAI ROUTE 55 (U.S. 6 TO U.S. 30)
 PARK AND RIDE LOTS

EROSION & SEDIMENT CONTROL
FAI 55 - PARK AND RIDE
GENERAL NOTES

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 DATE 05/10/07 CHECKED BY DDH

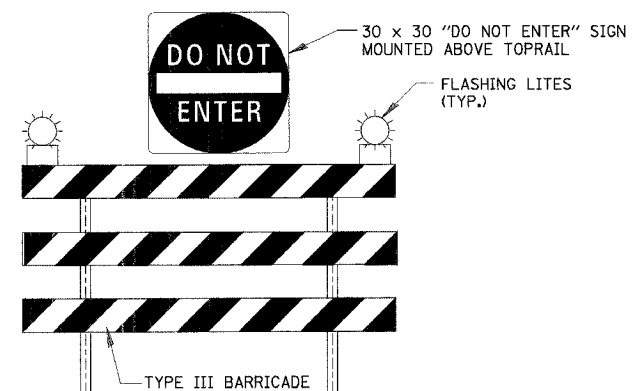
TENG
 TENG & ASSOCIATES, INC.
 ENGINEERS/ARCHITECTS/PLANNERS
 CHICAGO, ILLINOIS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2007-003 I	WILL	44	22
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



CONSTRUCTION SPECIFICATIONS AND NOTES

- STABILIZED CONSTRUCTION ENTRANCE
 - LENGTH - AS REQUIRED, BUT NOT LESS THAN 75'.
 - THICKNESS - NOT LESS THAN 4", ABOVE TOP OF CELLULAR CONFINEMENT GRID.
- TEMPORARY PAVEMENT THICKNESS SHALL BE 8".
- ALL DIMENSIONS ARE IN FEET UNLESS OTHERWISE NOTED.
- EXISTING DITCH DRAINAGE TO BE MAINTAINED.
- INSTALL A MINIMUM OF 2 TYPE III BARRICADES WITH FLASHING LIGHTS AND 1 DO NOT ENTER SIGN AT ALL TIMES WHEN NO WORK IS PERFORMED AT THE SITE. THE COST OF INSTALLING, MAINTAINING AND REMOVING ALL BARRICADES AND SIGNS SHOWN ON THIS SHEET SHALL BE INCLUDED IN THE UNIT PRICE FOR "TRAFFIC CONTROL AND PROTECTION (SPECIAL)".



TYPE III BARRICADE DETAIL

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 FAI ROUTE 55 (U.S. 6 TO U.S. 30)
 PARK AND RIDE LOTS

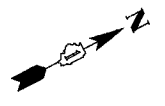
**EROSION & SEDIMENT CONTROL
 STABILIZED CONSTRUCTION
 ENTRANCE**

SCALE: DATE 05/15/07

DRAWN BY JFS
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TENG
 TENG & ASSOCIATES, INC.
 ENGINEERS/ARCHITECTS/PLANNERS
 CHICAGO, ILLINOIS

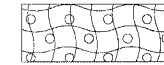
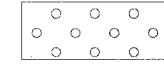
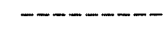
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2007-003 I	WILL	44	24
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



FRONTAGE ROAD

I-55 SB ENTRANCE RAMP FROM U.S. ROUTE 52

LANDSCAPING LEGEND

-  SEEDING, CLASS 2A WITH TOPSOIL EXCAVATION AND PLACEMENT AND EROSION CONTROL BLANKET
-  SEEDING, CLASS 2A WITH TOPSOIL EXCAVATION AND PLACEMENT AND MULCH, METHOD 2
-  PROPOSED UNDERCUT AND PGES PLACEMENT (SEE GENERAL NOTES, SHEET 2)

PLOT DATE = 05/15/07
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ILLINOIS DEPARTMENT OF TRANSPORTATION
 FAI ROUTE 55 (U.S. 6 TO U.S. 30)
 PARK AND RIDE LOTS

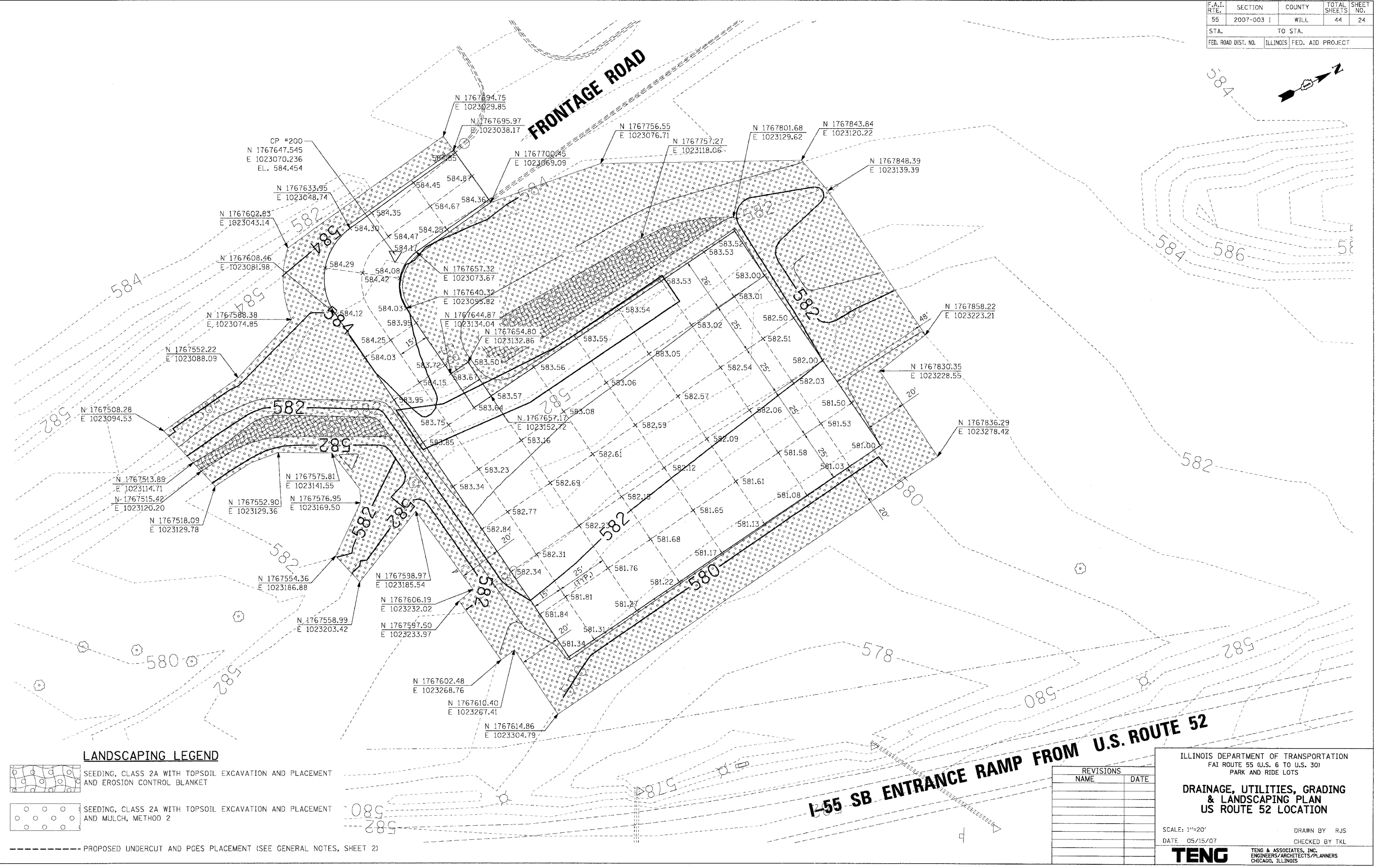
**DRAINAGE, UTILITIES, GRADING
 & LANDSCAPING PLAN
 US ROUTE 52 LOCATION**

SCALE: 1"=20'
 DATE: 05/15/07

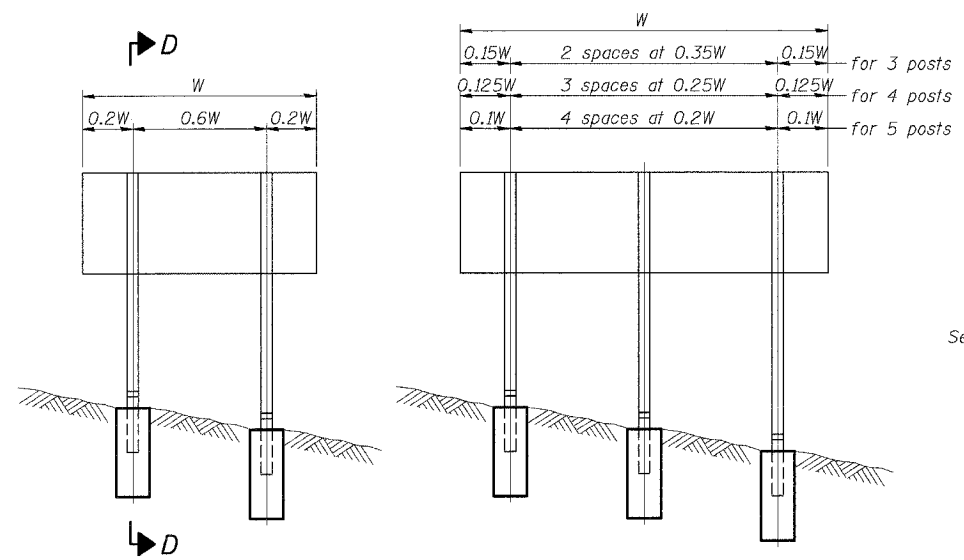
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TENG
 TENG & ASSOCIATES, INC.
 ENGINEERS/ARCHITECTS/PLANNERS
 CHICAGO, ILLINOIS

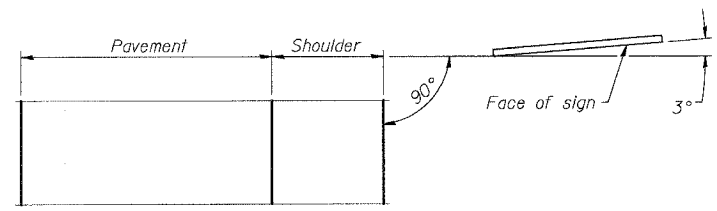
REVISIONS	
NAME	DATE



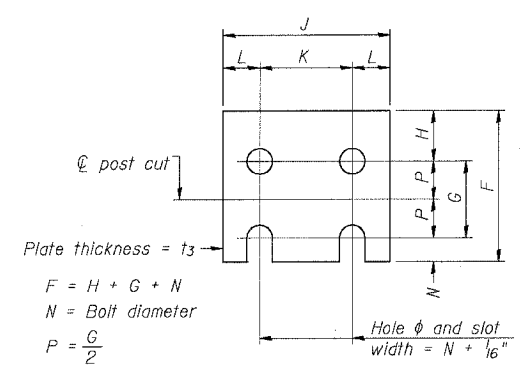
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55	2007-003 I	WILL	44	29
STA. TO STA.		ILLINOIS FED. AID PROJECT		



ELEVATION

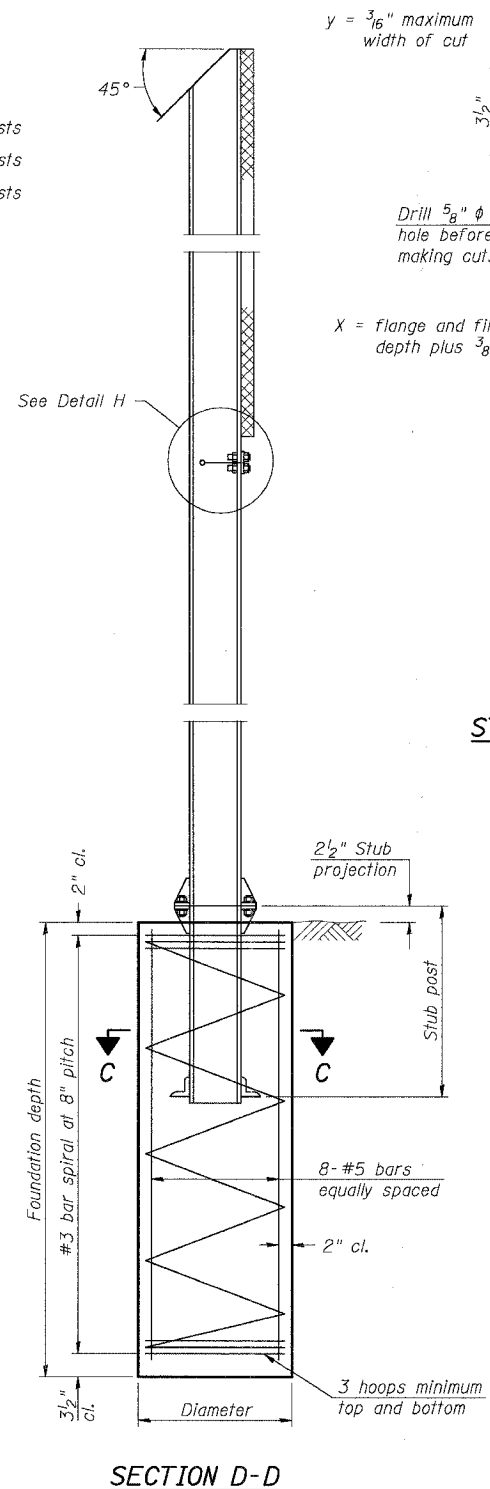


LOCATION SKETCH

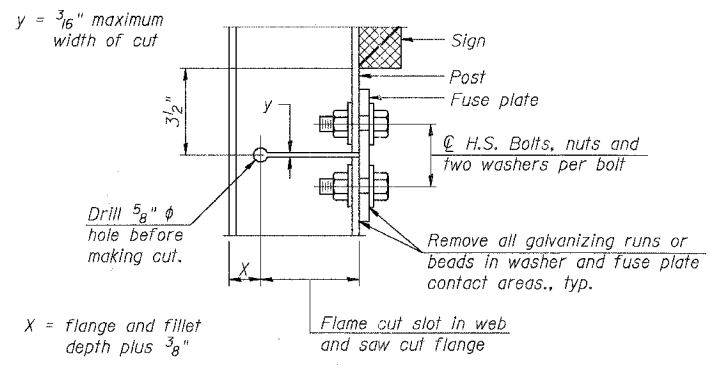


FUSE PLATE DETAIL
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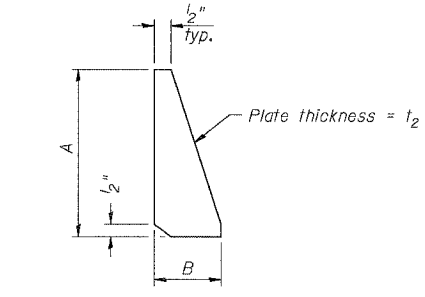
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5/8"	2 1/4"	1 1/4"
3/4"	2 1/2"	1 3/8"
7/8"	2 3/4"	1 1/2"
1"	3"	1 5/8"
1 1/8"	3 1/4"	1 3/4"



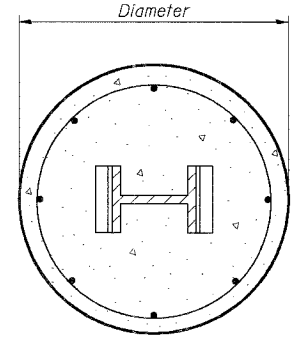
SECTION D-D



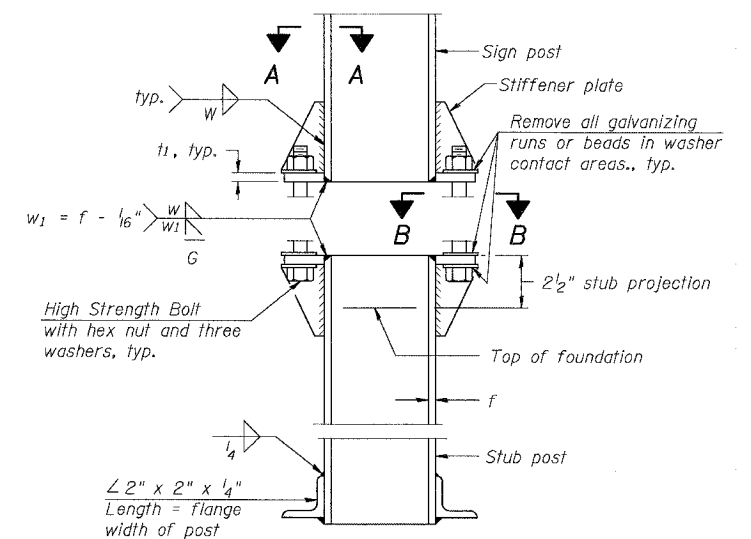
DETAIL H



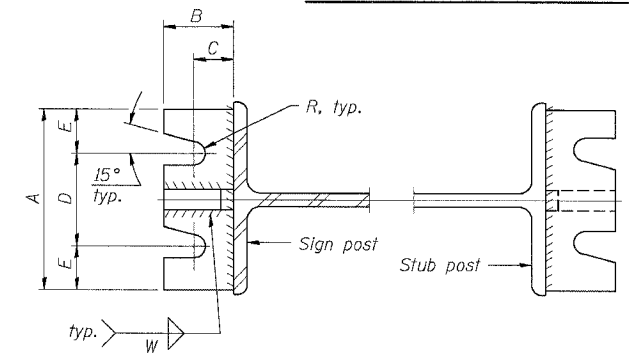
STIFFENER PLATE DETAIL
(See table for dimensions.)



SECTION C-C

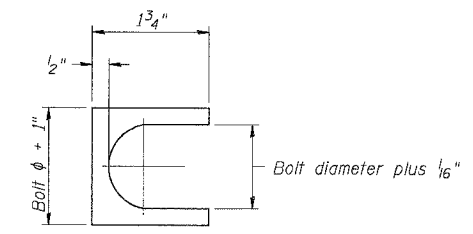


ELEVATION
SIGN POST & STUB POST



SECTION A-A

SECTION B-B



SHIM DETAIL

GENERAL NOTES

Posts shall be plumbed by using shims with post-to-stub post connection bolts snug tight only. Final tightening of all High Strength Bolts shall be in accordance with Article 727.05 and threads at the junction of the bolt and nut shall be burred or center punched to prevent the nut from loosening.

LOADING: 80 m.p.h. wind with 30% gust factor, normal to sign.

DESIGN STRESSES:
Structural steel - 20,000 p.s.i.
Reinforcing steel - 20,000 p.s.i.
Concrete - 1,400 p.s.i.
Footing soil pressure - 2,000 p.s.f.

After fabrication, the post, fuse plate and upper 6", min. of the stub post shall be hot-dip galvanized in accordance with AASHTO M111. All bolts, nuts and washers shall be hot-dip galvanized in accordance with AASHTO M232.

Work this sheet with Base Sheet BAW-A-2.

NUMBER	REVISION	DATE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
FAI ROUTE 55 (U.S. 6 TO U.S. 30)
PARK AND RIDE LOTS

**BREAK-AWAY WIDE FLANGE
STEEL SIGN POST DETAILS**

SCALE: N.T.S. DRAWN BY RJS
DATE 05/10/07 CHECKED BY DDH

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ENGINEERS/ARCHITECTS/PLANNERS
CHICAGO, ILLINOIS

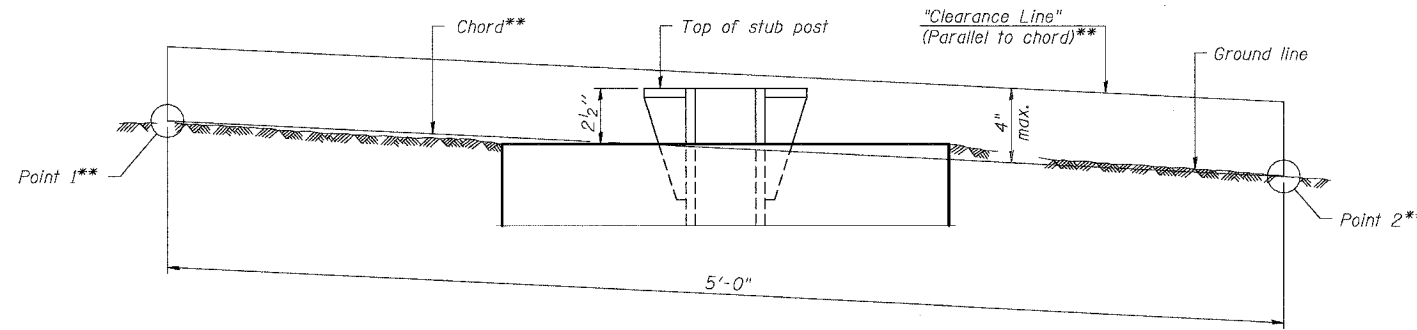
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2007-003 I	WILL	44	30
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

POST	CONCRETE FOUNDATION TABLE							POST TO STUB POST CONNECTION DATA								FUSE PLATE DATA						
	Foundation			Reinforcement			Stub Post Length	Bolt Size	A	B	C	D	E	t ₁	t ₂	R	W	J	K	L	t ₃	
	Diameter	* Minimum Depth	Concrete (1) cu. yds.	Vertical Bars Length	Bar Spirals Diameter	Bar Spirals Length																lbs. (2)
W6x9	2'-0"	6'-0"	0.70	5'-9"	1'-8 1/2"	79'-0"	78	2'-3"	5/8" x 3/4"	6"	2 1/4"	1 1/4"	3 1/2"	1 1/4"	3/4"	1/2"	11/32"	1 1/4"	4"	2 1/4"	7/8"	1/4"
W6x15	2'-0"	6'-0"	0.70	5'-9"	1'-8 1/2"	79'-0"	78	2'-6"	5/8" x 3/4"	6"	2 1/4"	1 1/4"	3 1/2"	1 1/4"	3/4"	1/2"	11/32"	1 1/4"	6"	3 1/2"	1 1/4"	3/8"
W8x18	2'-0"	6'-0"	0.70	5'-9"	1'-8 1/2"	79'-0"	78	2'-6"	3/4" x 3/4"	6"	2 1/2"	1 3/8"	3 1/4"	1 3/8"	1"	1/2"	13/32"	5/16"	5 1/4"	2 3/4"	1 1/4"	3/8"
W10x22	2'-6"	6'-6"	1.18	6'-3"	2'-2 1/2"	105'-0"	92	3'-0"	3/4" x 3/4"	6"	2 1/2"	1 3/8"	3 1/4"	1 3/8"	1"	1/2"	13/32"	5/16"	5 3/4"	2 3/4"	1 1/2"	1/2"
W10x26	2'-6"	7'-0"	1.27	6'-9"	2'-2 1/2"	112'-0"	98	3'-0"	7/8" x 4"	7"	2 3/4"	1 1/2"	4"	1 1/2"	1"	3/4"	15/32"	3/8"	5 3/4"	2 3/4"	1 1/2"	5/8"
W12x26	2'-6"	7'-9"	1.41	7'-6"	2'-2 1/2"	119'-0"	107	3'-0"	7/8" x 4"	7"	2 3/4"	1 1/2"	4"	1 1/2"	1"	3/4"	15/32"	3/8"	6 1/2"	3 1/2"	1 1/2"	5/8"
W14x30	3'-0"	7'-3"	1.90	7'-0"	2'-8 1/2"	145'-0"	113	3'-0"	7/8" x 4"	7"	2 3/4"	1 1/2"	4"	1 1/2"	1"	3/4"	15/32"	3/8"	6 3/4"	3 1/2"	1 5/8"	1/2"
W14x38	3'-0"	8'-0"	2.09	7'-9"	2'-8 1/2"	153'-0"	122	3'-6"	1" x 4 1/2"	7 1/2"	3"	1 3/4"	4"	1 3/4"	1 1/4"	3/4"	17/32"	3/8"	6 3/4"	3 1/2"	1 5/8"	1/2"
W16x45	3'-0"	8'-6"	2.23	8'-3"	2'-8 1/2"	162'-0"	130	3'-6"	1" x 4 1/2"	7 1/2"	3"	1 3/4"	4"	1 3/4"	1 1/4"	3/4"	17/32"	3/8"	7"	3 1/2"	1 3/4"	1/2"

*Dimensional changes required for varying site conditions shall be approved by the Engineer.

POST	FUSE PLATE BOLT SIZE												
	Sign Depth												
	4'-0"	5'-0"	6'-0"	7'-0"	8'-0"	9'-0"	10'-0"	11'-0"	12'-0"	13'-0"	14'-0"	15'-0"	16'-0"
W6x9	1/2" x 1 1/2"	1/2" x 1 1/2"	1/2" x 1 1/2"	5/8" x 1 3/4"	5/8" x 1 3/4"	5/8" x 1 3/4"	---	---	---	---	---	---	---
W6x15	1/2" x 1 3/4"	1/2" x 1 3/4"	5/8" x 2"	5/8" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	3/4" x 2"	7/8" x 2"	7/8" x 2"	---	---	---
W8x18	1/2" x 1 3/4"	1/2" x 1 3/4"	1/2" x 1 3/4"	5/8" x 2"	5/8" x 2"	3/4" x 2"	3/4" x 2"	7/8" x 2 1/2"	7/8" x 2 1/2"	7/8" x 2 1/2"	7/8" x 2 1/2"	7/8" x 2 1/2"	7/8" x 2 1/2"
W10x22	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2"	5/8" x 2"	3/4" x 2 1/4"	3/4" x 2 1/4"	7/8" x 2 1/4"	7/8" x 2 1/4"	7/8" x 2 1/2"	1" x 2 1/2"	1" x 2 3/4"	1" x 2 3/4"
W10x26	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/2"	3/4" x 2 1/2"	7/8" x 2 1/2"	7/8" x 2 1/2"	1" x 2 3/4"	1" x 2 3/4"	1" x 2 3/4"	1 1/8" x 3"
W12x26	---	---	---	---	---	5/8" x 2 1/4"	---	---	7/8" x 2 1/2"	7/8" x 2 1/2"	1" x 2 1/2"	1" x 2 3/4"	1" x 2 3/4"
W14x30	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/4"	7/8" x 2 1/2"	1" x 2 1/2"	1" x 2 3/4"	1" x 2 3/4"
W14x38	---	1/2" x 2"	1/2" x 2"	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/2"	3/4" x 2 1/2"	7/8" x 2 1/2"	7/8" x 2 1/2"	1" x 2 1/2"	1" x 2 3/4"
W16x45	---	---	---	1/2" x 2"	1/2" x 2"	5/8" x 2 1/4"	5/8" x 2 1/4"	3/4" x 2 1/4"	3/4" x 2 1/2"	3/4" x 2 1/2"	7/8" x 2 1/2"	7/8" x 2 1/2"	1" x 2 3/4"



ELEVATION
GROUND LINE & STUB POST

** For all "Point 1" and "Point 2" locations, "Clearance Line" must be at or above top of stub post.

- (1) Quantity includes all concrete necessary for one foundation.
- (2) Includes reinforcement bars and spiral hooping for one foundation.

NUMBER	REVISION	DATE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
FAI ROUTE 55 (U.S. 6 TO U.S. 30)
PARK AND RIDE LOTS

**BREAK-AWAY WIDE FLANGE
STEEL SIGN POST TABLES**

SCALE: N.T.S. DRAWN BY RJS
DATE 05/10/07 CHECKED BY DDH

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CHICAGO, ILLINOIS

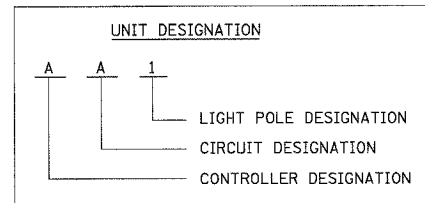
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2007-003 I	WILL	44	31
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

ROADWAY ELECTRICAL SYMBOL	
SYMBOL	DESCRIPTION
	EXISTING HIGH MAST TOWER TO REMAIN
	EXISTING LIGHTING UNIT TO REMAIN
	PROPOSED LIGHTING UNIT, 47'-6" MH, 8 FT. MA, 400W HPS LUMINAIRE
	PROPOSED LIGHTING UNIT, 47'-6" MH, 2-8 FT. MA, 400W HPS LUMINAIRE
	PROPOSED UNIT DUCT (SIZES SHOWN ON PLANS)
	2 1/2" RIGID GALVANIZED STEEL CONDUIT (RGC) PUSHED (P) OR TRENCHED (T), AS SHOWN ON PLANS
	EXISTING UNIT DUCT
	EXISTING LIGHTING CONTROLLER, DUPLEX
	ELECTRIC GROUND ROD

ABBREVIATIONS	
SYMBOL	DESCRIPTION
AC	ALTERNATING CURRENT
A/C	AERIAL CABLE
AFG	ABOVE FINISHED GRADE
CB	CIRCUIT BREAKER
CKT	CIRCUIT
CM	CENTIMETER
CNC	COILABLE NONMETALLIC CONDUIT
CT	CURRENT TRANSFORMER
CP	CONTROL PANEL
DA	DAVIT ARM
DC	DIRECT CURRENT
DIA	DIAMETER
DP	DISTRIBUTION PANEL
E	EXISTING UNIT TO REMAIN
ECA	ELECTRIC CABLE ASSEMBLY
EM	EXISTING UNIT TO BE MODIFIED (e.g. NEW LUMINAIRE, BALLAST OR MAST ARM)
ER	EXISTING RELOCATED UNIT
ET	EXISTING TEMPORARY UNIT TO REMAIN
ETR	EXISTING TEMPORARY RELOCATED UNIT
FT	FEET OR FOOT
FND BW	FOUNDATION BARRIER WALL
FND BW OS	FOUNDATION BARRIER WALL OFFSET
FND CON	FOUNDATION CONCRETE
FND CON OS	FOUNDATION CONCRETE OFFSET
FND MET	FOUNDATION METAL
FND PW	FOUNDATION PARAPET WALL
FU	FUSE
GND	GROUND
HID	HIGH INTENSITY DISCHARGE
JB	JUNCTION BOX
KVA	KILOVOLT-AMPERE
KW	KILOWATTS
M	METER
MA	MAST ARM
MM	MILLIMETER
MH	MOUNTING HEIGHT
NO. #	NUMBER
P	PROPOSED
PB	PUSH BUTTON
PNL	PANEL
PVCC RGS	PVC COATED RIGID GALVANIZED CONDUIT
PT	POTENTIAL TRANSFORMER
R	EXISTING UNIT TO BE REMOVED (OWNER SALVAGED U.N.O.)
RR	EXISTING UNIT TO BE REMOVED AND REINSTALLED
RECP	RECEPTACLE
RGS	RIGID GALVANIZED STEEL
SEL SW	SELECTOR SWITCH
SPARE	SPARE
SPACE	SPACE
SS	STAINLESS STEEL
STA	STATION
T	TEMPORARY LIGHTING UNIT
TMP	TEMPORARY
TR	TEMPORARY UNIT TO BE REMOVED. SALVAGE EQUIPMENT AS SPECIFIED
TRR	TEMPORARY UNIT TO BE REMOVED AND RELOCATED
TUR	TEMPORARY UNIT ON UTILITY POLE TO BE REMOVED
UD	UNIT DUCT
U.N.O.	UNLESS NOTED OTHERWISE
WP	WOOD POLE
XFMR	TRANSFORMER

GENERAL NOTES:

1. THE CONTRACTOR SHALL VERIFY ALL OF THE INFORMATION SHOWN ON THE CONTRACT DRAWINGS, WHICH WOULD AFFECT THE WORK UNDER THIS CONTRACT.
2. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THIS PROJECT, SPECIFICALLY AS THEY RELATE TO LUMP SUM ITEMS AND UNIT PRICE ITEMS.
3. ALL NEW CONDUIT, JUNCTION BOXES AND APPURTENANCES ARE INDICATED DIAGRAMMATICALLY ON THE DRAWINGS. THE ACTUAL LOCATIONS IN THE FIELD SHALL MEET WITH APPROVAL OF THE ENGINEER.
4. THE ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE IDOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND ASSOCIATED SPECIAL PROVISIONS.
5. CONTRACTOR SHALL FIELD VERIFY THE LOCATIONS OF ALL UNDERGROUND UTILITIES AND POSSIBLE CONFLICTS BEFORE TRENCHING AND AUGURING.
6. THE SCALE SHOWN ON PLAN DRAWINGS APPLIES ONLY TO THE FULL SIZE PLANS AND NOT TO REDUCED SIZE PLANS.
7. ALL LUMINAIRES SHALL BE ORIENTED WITH THE OPTICS PERPENDICULAR TO THE ROADWAY UNLESS OTHERWISE INDICATED OR DIRECTED BY THE ENGINEER. THE LUMINAIRES MAY REQUIRE NIGHT-TIME OPTICAL ADJUSTMENT UPON INSPECTION BY THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE APPLICABLE LUMINAIRE PAY ITEMS. SEPARATE PAYMENT WILL NOT BE MADE.
8. EXISTING UNDERGROUND WIRING SHOWN ON PLANS IS DIAGRAMATIC. CONTRACTOR SHALL MAINTAIN CONTINUITY OF ALL EXISTING WIRING TO REMAIN. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF THE PAY ITEM FOR MAINTENANCE OF EXISTING LIGHTING SYSTEM. NO SEPARATE PAYMENT WILL BE MADE.
9. CONDUITS AND UNIT DUCTS SHALL BE INSTALLED AT A MINIMUM 30-INCH DEPTH BELOW GRADE AND POSITIONED IN THE FIELD TO AVOID CONFLICT WITH ROADWAY UNDERDRAINS AND OTHER EXISTING AND PROPOSED UTILITIES. THE CONTRACTOR SHALL INCREASE DEPTH OF UNIT DUCT AND CONDUIT AS REQUIRED AT NO ADDITIONAL COST TO THE STATE. THE CONTRACTOR SHALL COORDINATE RACEWAY DEPTH WITH THE ELECTRICAL DETAILS AND THE ENGINEER.
10. WHERE MULTIPLE CONDUITS ADJACENT TO EACH OTHER ARE INSTALLED IN A COMMON TRENCH, TRENCH AND BACKFILL WILL NOT BE PAID FOR EACH CONDUIT, BUT WILL BE PAID FOR THE LENGTH OF THE COMMON TRENCH ONLY.
11. WHERE THE CONTRACTOR'S EXCAVATION MEETS AN OBSTRUCTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER FOR DIRECTION IN WRITING PRIOR TO EXCAVATION. THE CONTRACTOR SHALL RESTORE ANY DAMAGE TO EXISTING SYSTEMS OR UTILITIES AND REMOVE EXISTING OBSTRUCTIONS AND FOUNDATIONS TO THE SATISFACTION OF THE ENGINEER. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE APPROPRIATE PAY ITEM.



ITEM DESCRIPTION	UNIT	QUANTITY
UNIT DUCT, 600V, 3-1C NO. 4, 1/2" DIA. POLYETHYLENE (EPR-TYPE RHW)	FOOT	1300
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1429
TRENCH AND BACKFILL WITH SCREENINGS OR SAND	FOOT	587
LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	13
LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 8 FT. MAST ARM	EACH	5
LIGHT POLE, ALUMINUM, 47.5 FT. M.H., 2-8 FT. MAST ARMS	EACH	4
LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	152
MAINTENANCE OF LIGHTING SYSTEM	CAL MO	6
UNIT DUCT, WITH 3-1/2" NO. 2 AND 1/2" NO. 4 GROUND, 600V (EPR-TYPE RHW), 1 1/2" DIA. POLYETHYLENE	FOOT	760
GROUND ROD, 5/8" X 10 FT	EACH	9

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REVISIONS	
NAME	DATE

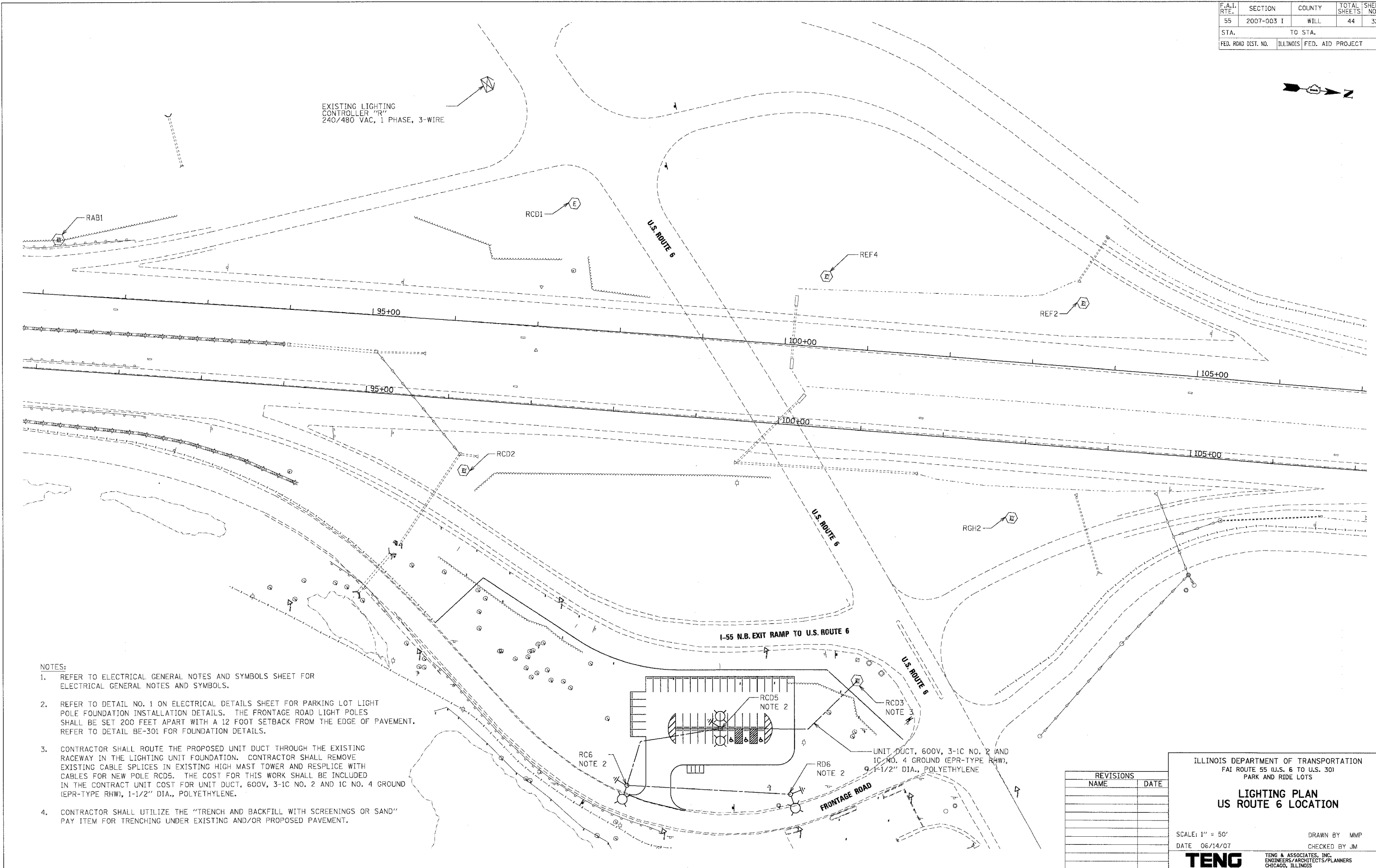
ILLINOIS DEPARTMENT OF TRANSPORTATION
 FAI ROUTE 55 (U.S. 6 TO U.S. 30)
 PARK AND RIDE LOTS

**ELECTRICAL GENERAL
 NOTES AND SYMBOLS**

SCALE: N.T.S. DRAWN BY MMP
 DATE 06/14/07 CHECKED BY JM

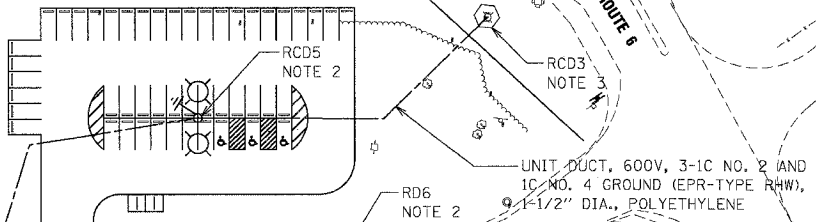
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2007-003 I	WILL	44	32
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



NOTES:

- REFER TO ELECTRICAL GENERAL NOTES AND SYMBOLS SHEET FOR ELECTRICAL GENERAL NOTES AND SYMBOLS.
- REFER TO DETAIL NO. 1 ON ELECTRICAL DETAILS SHEET FOR PARKING LOT LIGHT POLE FOUNDATION INSTALLATION DETAILS. THE FRONTAGE ROAD LIGHT POLES SHALL BE SET 200 FEET APART WITH A 12 FOOT SETBACK FROM THE EDGE OF PAVEMENT. REFER TO DETAIL BE-301 FOR FOUNDATION DETAILS.
- CONTRACTOR SHALL ROUTE THE PROPOSED UNIT DUCT THROUGH THE EXISTING RACEWAY IN THE LIGHTING UNIT FOUNDATION. CONTRACTOR SHALL REMOVE EXISTING CABLE SPLICES IN EXISTING HIGH MAST TOWER AND RESPLICE WITH CABLES FOR NEW POLE RCD5. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT COST FOR UNIT DUCT, 600V, 3-1C NO. 2 AND 1C NO. 4 GROUND (EPR-TYPE RHW), 1-1/2" DIA., POLYETHYLENE.
- CONTRACTOR SHALL UTILIZE THE "TRENCH AND BACKFILL WITH SCREENINGS OR SAND" PAY ITEM FOR TRENCHING UNDER EXISTING AND/OR PROPOSED PAVEMENT.



UNIT DUCT, 600V, 3-1C NO. 2 AND 1C NO. 4 GROUND (EPR-TYPE RHW), 1-1/2" DIA., POLYETHYLENE

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 FAI ROUTE 55 (U.S. 6 TO U.S. 30)
 PARK AND RIDE LOTS

**LIGHTING PLAN
 US ROUTE 6 LOCATION**

SCALE: 1" = 50'
 DATE 06/14/07

DRAWN BY MMP
 CHECKED BY JM

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 CHICAGO, ILLINOIS

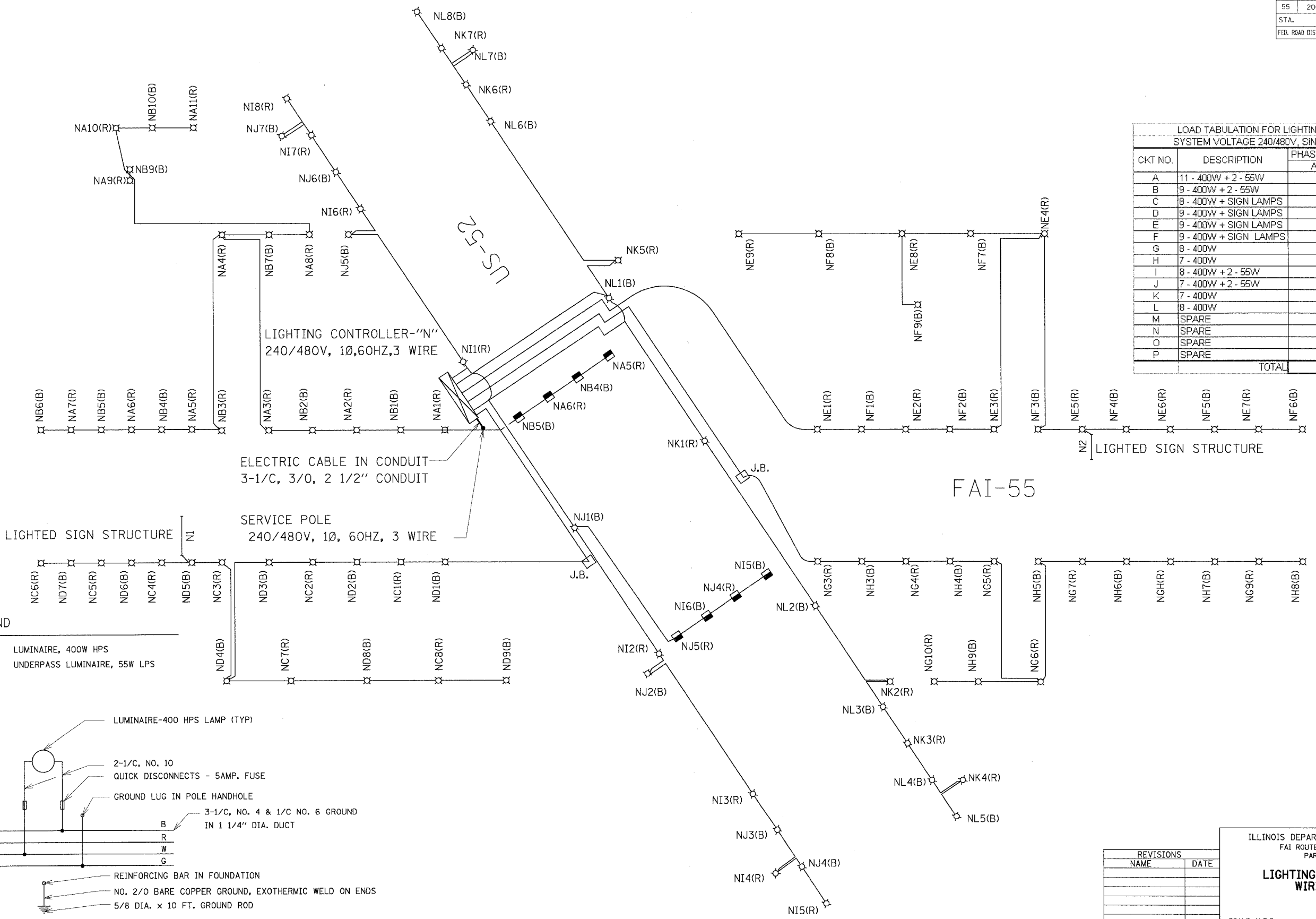
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

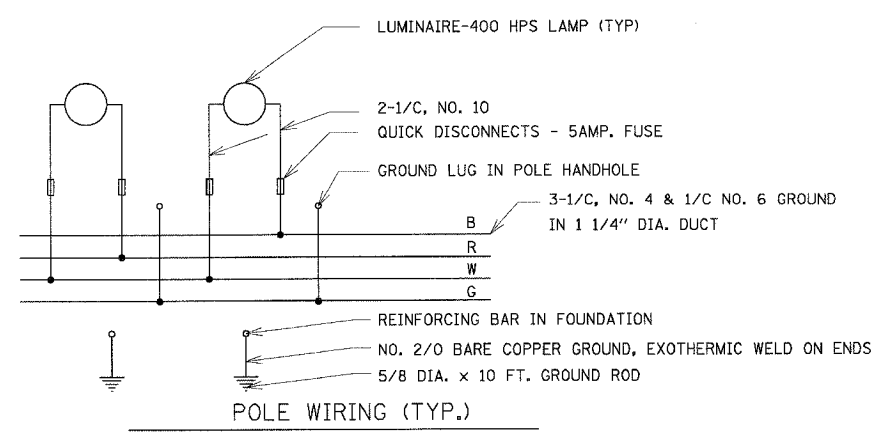


LOAD TABULATION FOR LIGHTING CONTROLLER "N"
SYSTEM VOLTAGE 240/480V, SINGLE PHASE, 3-WIRE

CKT NO.	DESCRIPTION	PHASE A (RED)	PHASE B (BLACK)
		AMPS	AMPS
A	11 - 400W + 2 - 55W	17.2	
B	9 - 400W + 2 - 55W		15.6
C	8 - 400W + SIGN LAMPS	16	
D	9 - 400W + SIGN LAMPS		18
E	9 - 400W + SIGN LAMPS	18	
F	9 - 400W + SIGN LAMPS		18
G	8 - 400W	16	
H	7 - 400W		14
I	8 - 400W + 2 - 55W	13.9	
J	7 - 400W + 2 - 55W		12.2
K	7 - 400W	14	
L	8 - 400W		16
M	SPARE	0	
N	SPARE		0
O	SPARE	0	
P	SPARE		0
TOTAL		95.1	93.8



- LEGEND**
- ⊗ LUMINAIRE, 400W HPS
 - UNDERPASS LUMINAIRE, 55W LPS



REVISIONS

NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
FAI ROUTE 55 (U.S. 6 TO U.S. 30)
PARK AND RIDE LOTS

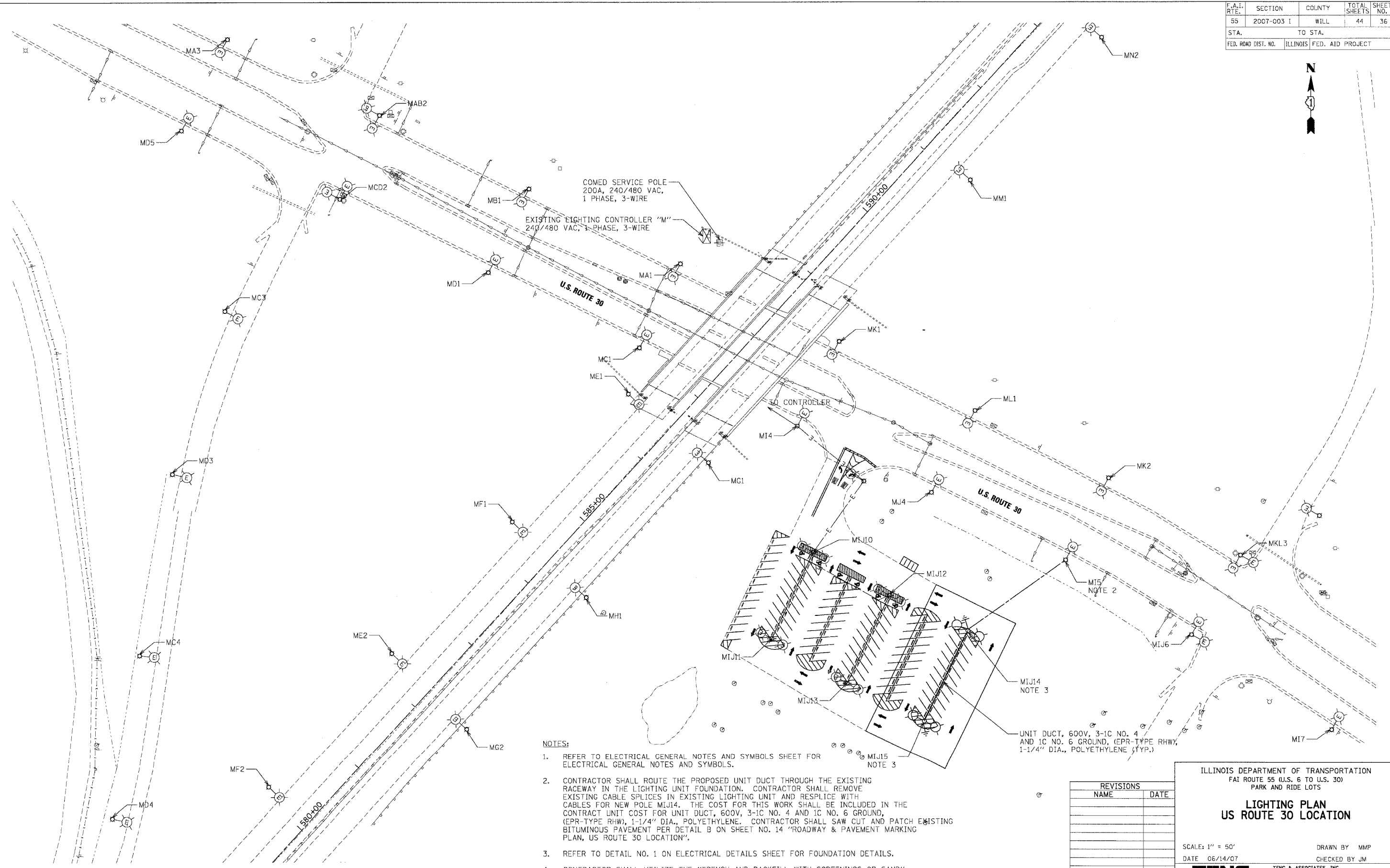
**LIGHTING CONTROLLER "N"
WIRING DIAGRAM**

SCALE: N.T.S. DRAWN BY: MMP
DATE: 06/14/07 CHECKED BY: JM

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CHICAGO, ILLINOIS

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2007-003 I	WILL	44	36
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



NOTES:

1. REFER TO ELECTRICAL GENERAL NOTES AND SYMBOLS SHEET FOR ELECTRICAL GENERAL NOTES AND SYMBOLS.
2. CONTRACTOR SHALL ROUTE THE PROPOSED UNIT DUCT THROUGH THE EXISTING RACEWAY IN THE LIGHTING UNIT FOUNDATION. CONTRACTOR SHALL REMOVE EXISTING CABLE SPLICES IN EXISTING LIGHTING UNIT AND RESPLICE WITH CABLES FOR NEW POLE MIJ14. THE COST FOR THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT COST FOR UNIT DUCT, 600V, 3-1C NO. 4 AND 1C NO. 6 GROUND, (EPR-TYPE RHW), 1-1/4" DIA., POLYETHYLENE. CONTRACTOR SHALL SAW CUT AND PATCH EXISTING BITUMINOUS PAVEMENT PER DETAIL 'B' ON SHEET NO. 14 "ROADWAY & PAVEMENT MARKING PLAN, US ROUTE 30 LOCATION".
3. REFER TO DETAIL NO. 1 ON ELECTRICAL DETAILS SHEET FOR FOUNDATION DETAILS.
4. CONTRACTOR SHALL UTILIZE THE "TRENCH AND BACKFILL WITH SCREENINGS OR SAND" PAY ITEM FOR TRENCHING UNDER EXISTING AND/OR PROPOSED PAVEMENT.

UNIT DUCT, 600V, 3-1C NO. 4 AND 1C NO. 6 GROUND, (EPR-TYPE RHW), 1-1/4" DIA., POLYETHYLENE (TYP.)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
 FAI ROUTE 55 (U.S. 6 TO U.S. 30)
 PARK AND RIDE LOTS

**LIGHTING PLAN
 US ROUTE 30 LOCATION**

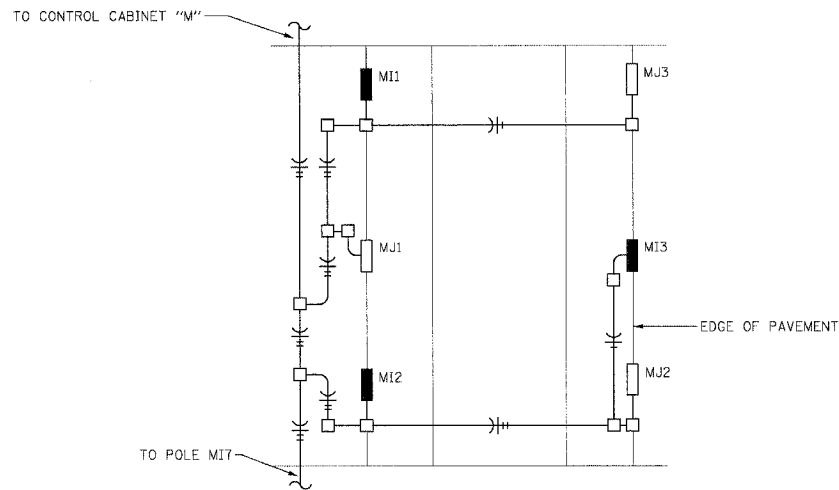
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 DATE 06/14/07

DRAWN BY MMP
 CHECKED BY JM

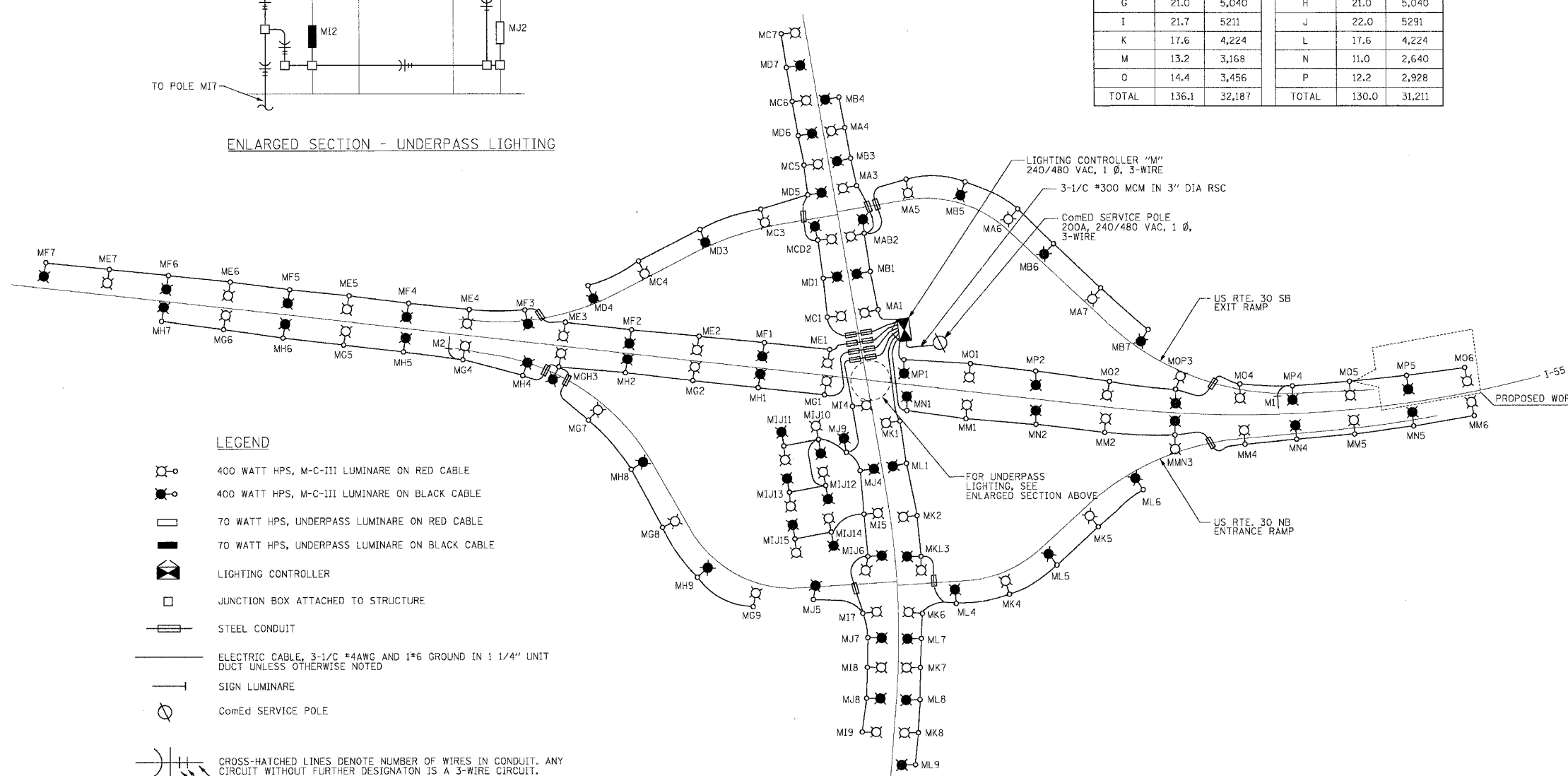
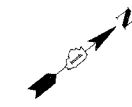
TENG
 TENG & ASSOCIATES, INC.
 ENGINEERS/ARCHITECTS/PLANNERS
 CHICAGO, ILLINOIS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2007-003 I	WILL	44	37
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



CIRCUIT	RED PHASE		BLACK PHASE		
	AMPS	WATTS	AMPS	WATTS	
A	15.4	3,696	B	15.4	3,696
C	15.4	3,696	D	15.4	3,696
E	15.4	3,696	F	15.4	3,696
G	21.0	5,040	H	21.0	5,040
I	21.7	5211	J	22.0	5291
K	17.6	4,224	L	17.6	4,224
M	13.2	3,168	N	11.0	2,640
O	14.4	3,456	P	12.2	2,928
TOTAL	136.1	32,187	TOTAL	130.0	31,211



LEGEND

- 400 WATT HPS, M-C-III LUMINAIRE ON RED CABLE
 - 400 WATT HPS, M-C-III LUMINAIRE ON BLACK CABLE
 - 70 WATT HPS, UNDERPASS LUMINAIRE ON RED CABLE
 - 70 WATT HPS, UNDERPASS LUMINAIRE ON BLACK CABLE
 - LIGHTING CONTROLLER
 - JUNCTION BOX ATTACHED TO STRUCTURE
 - STEEL CONDUIT
 - ELECTRIC CABLE, 3-1/8 #4AWG AND 1#6 GROUND IN 1 1/4" UNIT DUCT UNLESS OTHERWISE NOTED
 - SIGN LUMINAIRE
 - ComEd SERVICE POLE
- CROSS-HATCHED LINES DENOTE NUMBER OF WIRES IN CONDUIT. ANY CIRCUIT WITHOUT FURTHER DESIGNATION IS A 3-WIRE CIRCUIT.
- 3/4" RIGID STEEL CONDUIT ATTACHED TO STRUCTURE
- PHASE(S)
(AS NEEDED)
(BLACK / RED)
- GROUND (GREEN)
NEUTRAL (WHITE)

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
FAI ROUTE 55 (U.S. 6 TO U.S. 30)
PARK AND RIDE LOTS

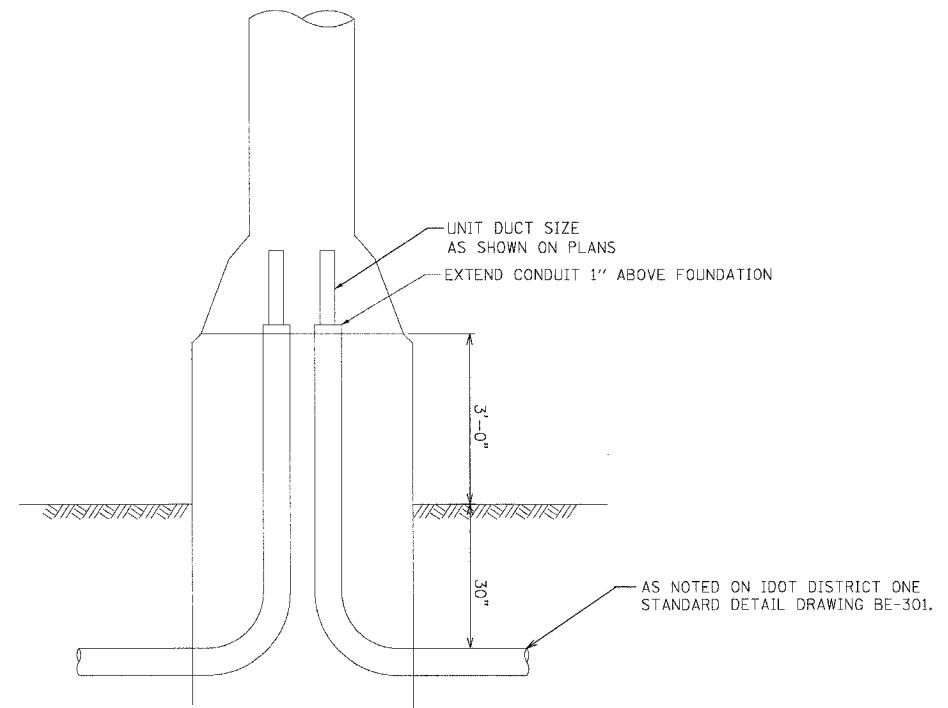
**LIGHTING CONTROLLER "M"
WIRING DIAGRAM**

SCALE: N.T.S. DRAWN BY MMP
DATE 06/14/07 CHECKED BY JM

TENG
TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
CHICAGO, ILLINOIS

PLOT DATE = 06/14/07
 FILE NAME = 60C22.L
 PLOT SCALE = 1/8"=1'-0"
 USER NAME = JMM

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2007-003 I	WILL	44	38
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



ASSUME THAT REINFORCING STEEL IS ALL INTERCONNECTED VIA TIE WRAPPING OR OTHER SUITABLE MEANS AND CONNECTED TO THE ANCHOR BOLTS.
REFER TO STANDARD DISTRICT ONE DETAIL BE-702 FOR POLE WIRING DETAILS.

① NEW POLE BASE DETAIL
NO SCALE

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

..:\DPP\1801.DDN, ..\1801\APP\1801.DWG
R14-2807.141434 GARCIBAZ

S:\DOCUMENT\2236568\1\FILES\CON\1011806.SHT

REVISIONS	
NAME	DATE

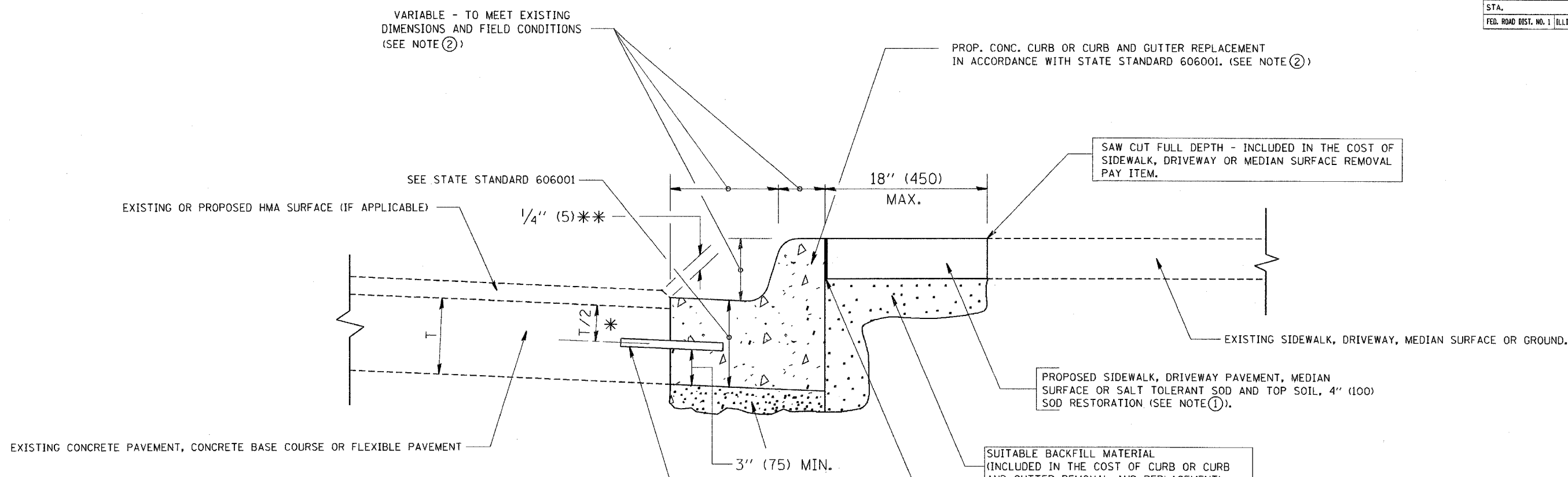
ILLINOIS DEPARTMENT OF TRANSPORTATION
FAI ROUTE 55 (U.S. 6 TO U.S. 30)
PARK AND RIDE LOTS

ELECTRICAL DETAILS

SCALE: N.T.S. DRAWN BY: MMP
DATE: 06/14/07 CHECKED BY: JM

TENG
TENG & ASSOCIATES, INC.
ENGINEERS/ARCHITECTS/PLANNERS
CHICAGO, ILLINOIS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2007-003I	WILL	44	39
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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

- NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY.
- SALT TOLERANT SOD AND TOP SOIL, 4" (100) RESTORATION WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.
- ② CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.
- ③ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.
- ④ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.
- ⑤ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.
- ⑥ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.
- ⑦ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.

REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USUABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

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

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

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

REVISIONS	
NAME	DATE
A. HOUSEH	03/11/94
R. SHAH	02/24/95
R. SHAH	03/02/95
R. SHAH	08/19/96
R. SHAH	09/12/96
R. SHAH	09/19/96
R. SHAH	10/03/96
A. ABBAS	03/21/97
M. GOMEZ	01/22/01
R. BORO	01/01/07

ILLINOIS DEPARTMENT OF TRANSPORTATION

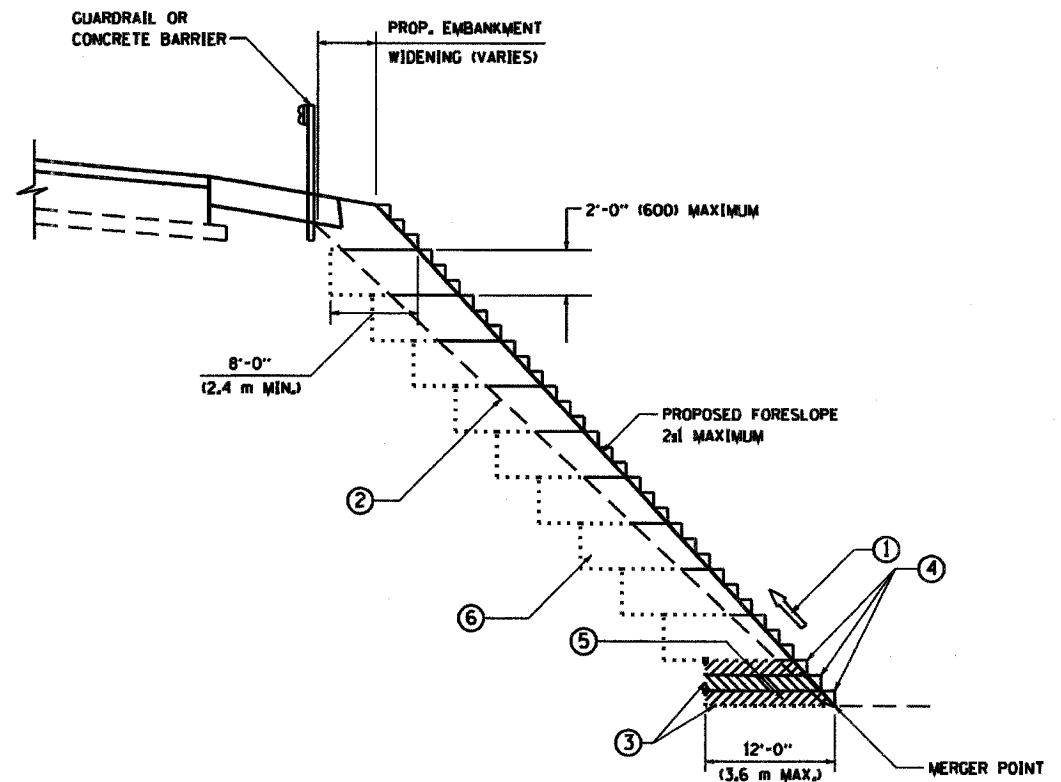
CURB OR
CURB AND GUTTER
REMOVAL AND REPLACEMENT

SCALE: VERT. NONE
 HORIZ. 1" = 10'
 PLOT DATE: 1/18/2007

DRAWN BY
 CHECKED BY

PLOT DATE = 1/18/2007
 FILE NAME = c:\projects\bd600-06\bd600-06.dgn
 PLOT SCALE = 1/8" = 1'-0"
 USER NAME = drwlsngn

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2007-003I	WILL	44	40
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



**TYPICAL BENCHING DETAIL
FOR EMBANKMENT**

NOTES:

- ① CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
- ② EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
- ③ BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
- ④ TRIM TO FINAL SLOPE.
- ⑤ EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.
- ⑥ EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ⑦ SLOPES SHALL BE BENCHED ACCORDING TO THIS DETAIL WHEN THE SLOPE IS STEEPER THAN 4:1 AND THE HEIGHT IS GREATER THAN 5' (1.5 m)

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

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**BENCHING DETAIL
FOR EMBANKMENT
WIDENING**

SCALE: VERT.
HORIZ.
DATE: 1/18/2007

DRAWN BY: CADD
CHECKED BY: S.E.B.
BD-51

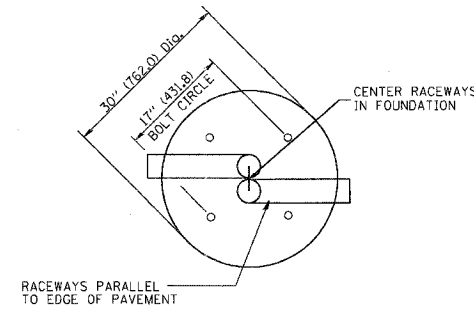
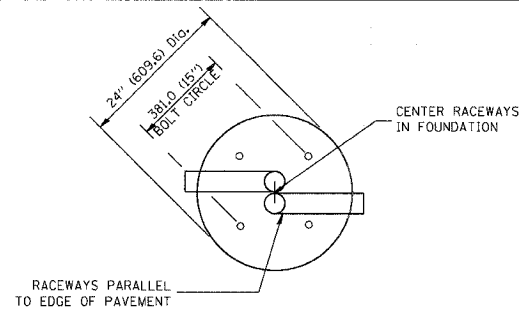
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PLOT DATE: 1/18/2007
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USER: [unclear]

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
85	2007-0031	WILL	44	41
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

LIGHT POLE FOUNDATION DEPTH TABLE
40 FT. (12.192M) TO 47.5 FT. (14.478M) MOUNTING HEIGHT

SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY Qu = 0.375 TON/SQ. FT.	13'-0" (3.96M)	15'-0" (4.57M)
MEDIUM CLAY Qu = 0.75 TON/SQ.FT	9'-6" (2.93M)	10'-9" (3.23M)
STIFF CLAY Qu = 1.50 TON/SQ. FT.	7'-0" (2.13M)	8'-0" (2.44M)
LOOSE SAND φ = 34°	9'-0" (2.74M)	10'-0" (3.05M)
MEDIUM SAND φ = 37.5°	8'-3" (2.52M)	9'-0" (2.74M)
DENSE SAND φ = 40°	7'-9" (2.36M)	9'-0" (2.74M)

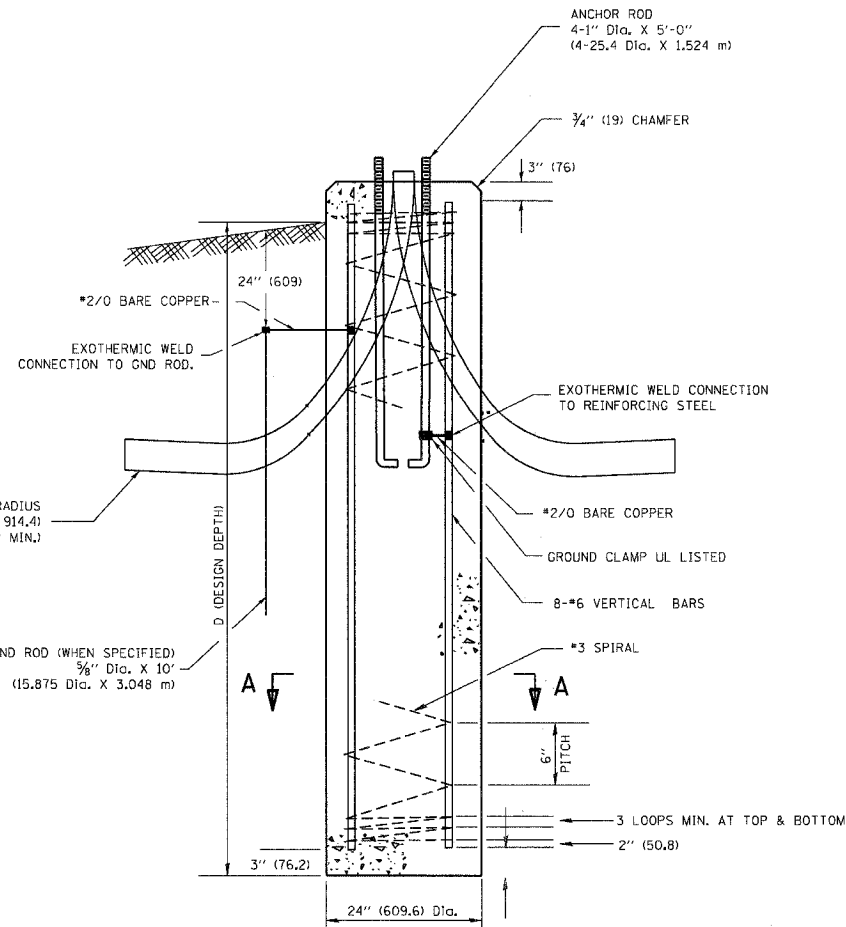


TOP VIEW

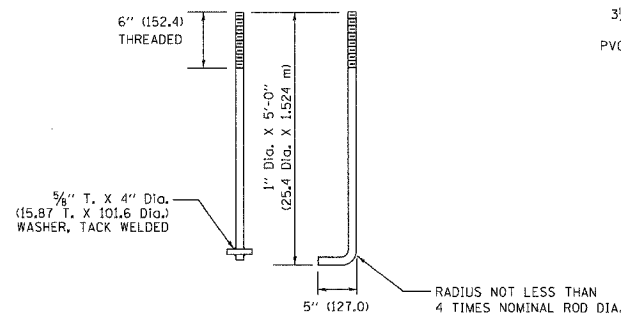
TOP VIEW

NOTES

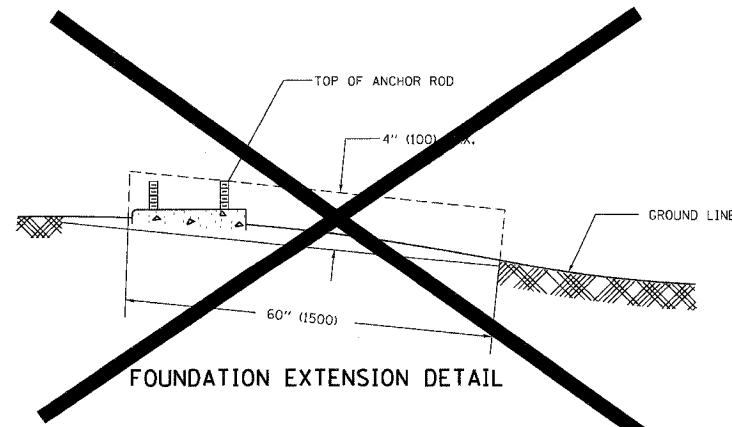
- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ANCHOR RODS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED.
- THE FOUNDATION SHALL NOT PROTRUDE MORE THAN 100MM (4 IN.) ABOVE THE FINISHED GRADE WITHIN A 60 IN. (1.5M) CHORD ACROSS THE FOUNDATION, WITH ANCHOR RODS INCLUDED, IN ACCORDANCE WITH AASHTO GUIDELINES. IF THE FOUNDATION HEIGHT, INCLUDING ANCHOR RODS, EXTENDS BEYOND THESE SPECIFIED LIMITS, THE FOUNDATION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE. SEE FOUNDATION EXTENSION DETAIL.
- THE HOLE FOR THE FOUNDATION SHALL BE MADE BY DRILLING WITH AN AUGER, OF THE SAME DIAMETER AS THE FOUNDATION. IF SOIL CONDITIONS REQUIRE THE USE OF A LINER TO FORM THE HOLE, THE LINER SHALL BE WITHDRAWN AS THE CONCRETE IS DEPOSITED.
- THE TOP OF THE FOUNDATION SHALL BE CONSTRUCTED LEVEL. A LINER OR FORM SHALL BE USED TO PRODUCE A UNIFORM SMOOTH SIDE TO THE TOP OF THE FOUNDATION. FOUNDATION TOP SHALL BE CHAMFERED 1/4-IN. (20MM).
- THE CONCRETE SHALL BE CLASS S1. CONCRETE SHALL CURE ACCORDING TO ARTICLE 1020.13 BEFORE LIGHT POLES ARE INSTALLED.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
- ANCHOR RODS, NUTS AND WASHERS SHALL BE COMPLETELY GALVANIZED BY EITHER THE HOT-DIPPED PROCESS CONFORMING WITH AASHTO M 232, THE MECHANICAL PLATING METHOD CONFORMING TO AASHTO M 298, CLASS 50 WITH A MAXIMUM COATING THICKNESS OF 150 UMG (MILS) OR THE ELECTROLYTIC PROCESS ACCORDING TO ASTM F 1136.
- THE ANCHOR RODS SHALL BE THREADED A MINIMUM OF 6 INCHES (150 MM) WITH A MINIMUM OF 3 INCHES (75 MM) OF THREADED ANCHOR ROD EMBEDDED IN THE FOUNDATION.
- ANCHOR RODS SHALL PROJECT 2 3/4" (69.9MM) ABOVE THE TOP OF THE FOUNDATION. IF BREAKAWAY COUPLINGS ARE SPECIFIED, THE CONTRACTOR SHALL CAREFULLY COORDINATE THE ANCHOR ROD PROJECTION WITH THE INSTALLATION REQUIREMENTS OF THE BREAKAWAY COUPLINGS.
- THE CONTRACTOR SHALL USE A #3 SPIRAL AT 6" (152.4MM) PITCH OR MAY SUBSTITUTE #3 TIES AT 12" (304.8MM) O.C. WITH THE APPROVAL OF THE ENGINEER.
- THE CABLE TRENCHES AND FOUNDATION SHALL BE BACK FILLED AND COMPACTED AS SPECIFIED BEFORE THE LIGHT POLE IS ERECTED.
- THE RACEWAYS SHALL PROJECT 1" (25.4MM) ABOVE THE TOP OF THE FOUNDATION.



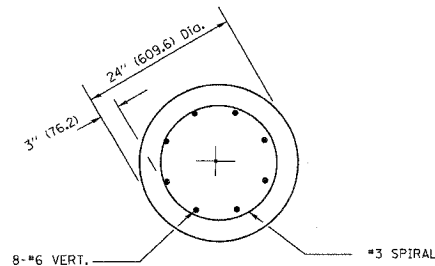
FOUNDATION DETAIL



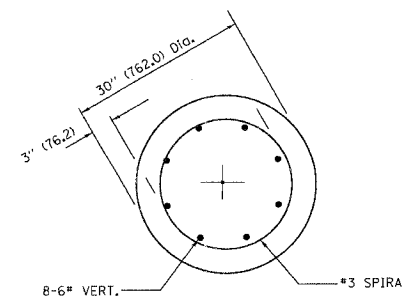
ANCHOR ROD DETAIL



FOUNDATION EXTENSION DETAIL



SECTION A-A



SECTION A-A

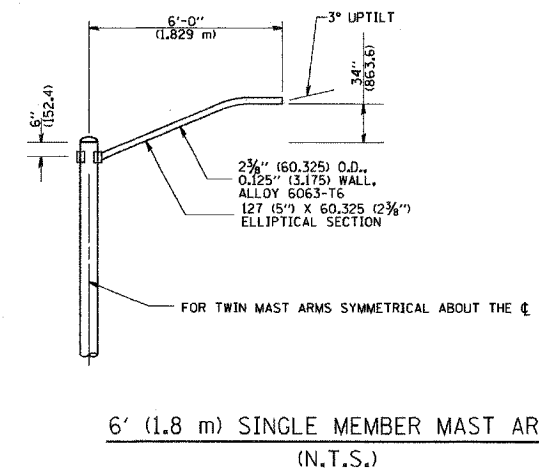
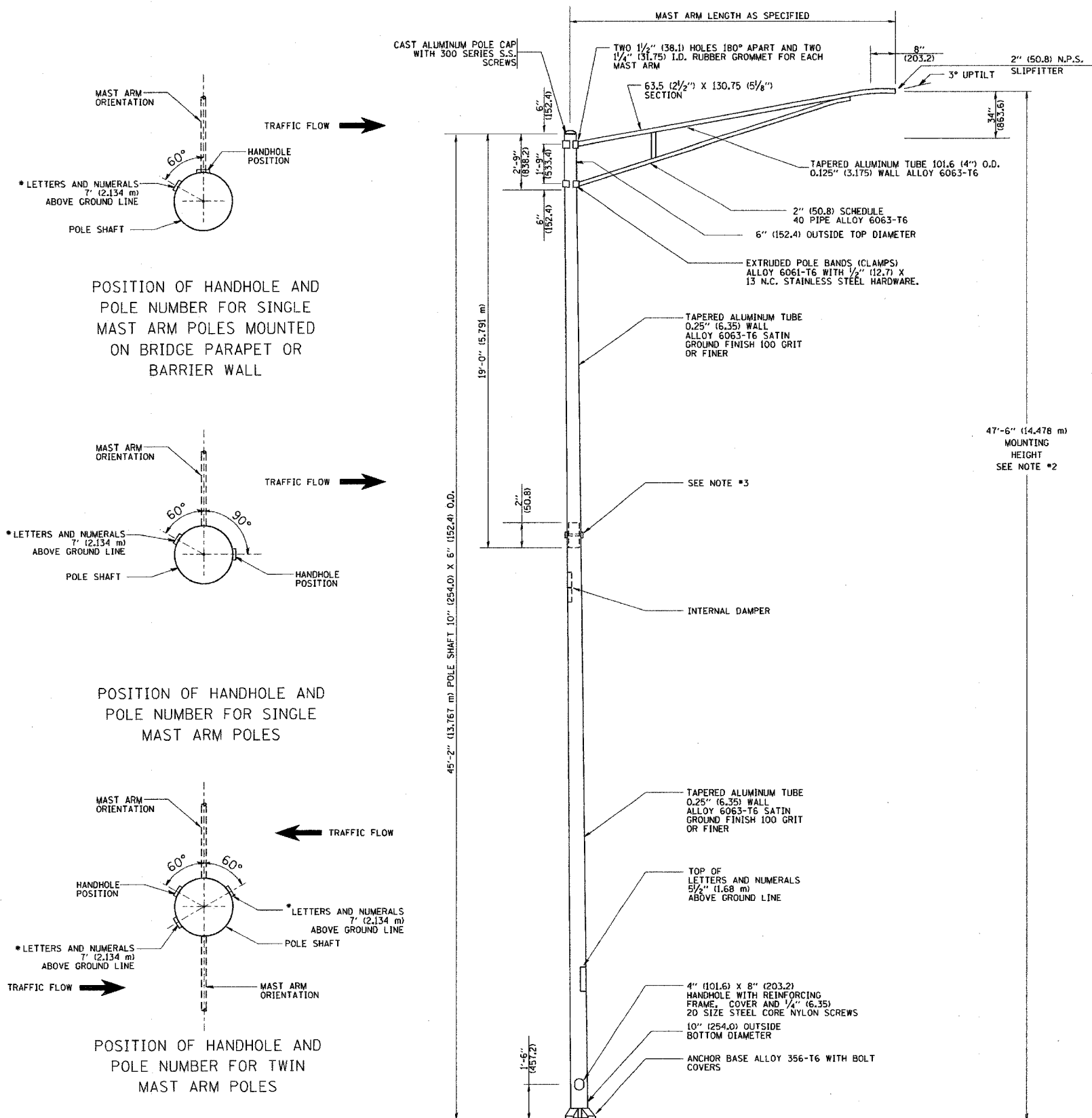
REVISIONS	
NAME	DATE

E-301
ILLINOIS DEPARTMENT OF TRANSPORTATION
LIGHT POLE FOUNDATION
40' (12.192M) TO 47 1/2' (14.478M) M.H.
15" (381) BOLT CIRCLE

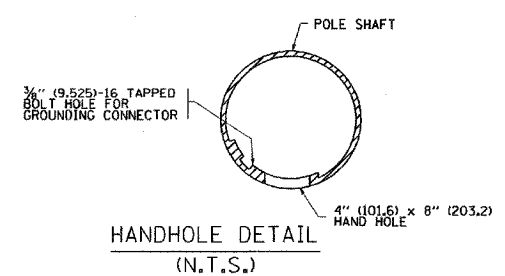
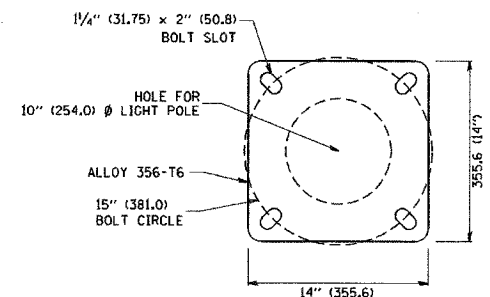
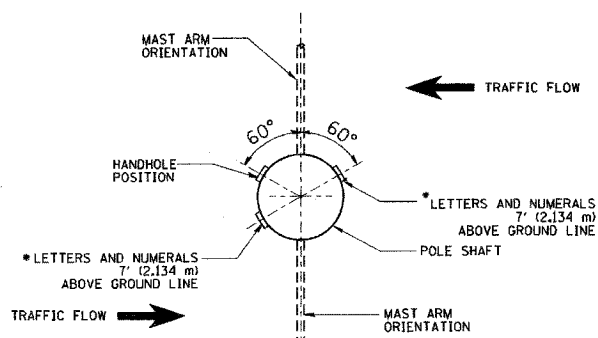
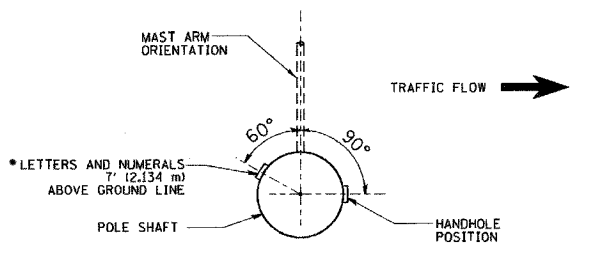
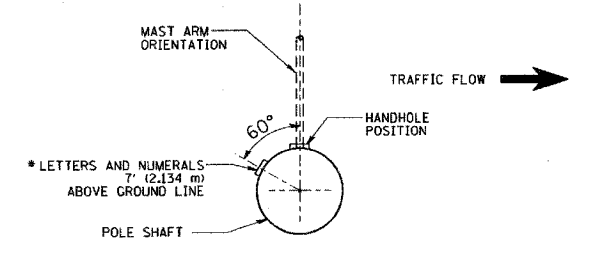
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DATE: 1/9/2007

DRAWN BY
CHECKED BY
BE301
REVISION DATE: 01/01/07

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2007-0081	WILL	44	42
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



- NOTES:
1. ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
 2. MOUNTING HEIGHT IS DEFINED AS THE DISTANCE FROM THE CENTERLINE OF THE TENON TO THE BOTTOM OF THE ANCHOR BASE.
 3. TWO PIECE SHAFT WILL BE MATCHED MARKED AND INTERCHANGEABLE BETWEEN DIFFERENT UNITS. FIELD DRILLING OF THE HOLES WILL NOT BE ALLOWED.
 4. THE LIGHT POLE WILL MEET AASHTO DESIGN CRITERIA AS SPECIFIED.
 5. THE INSTALLING CONTRACTOR WILL PROVIDE A UL LISTED GROUNDING CONNECTOR, BURNDY K2C23, T&B SP4DL OR APPROVED EQUAL.
 6. LIGHT POLES WILL NOT BE INSTALLED WITHOUT MAST ARMS AND LUMINAIRES.
 7. LIGHT POLES WILL BE SET PLUMB ON THE FOUNDATION WITHOUT THE USE OF LEVELING NUTS, WASHERS OR SHIMS.
 8. LIGHTING UNIT IDENTIFICATION NUMBERS SHALL BE INSTALLED BEFORE THE LIGHTING UNIT IS ENERGIZED.



REVISIONS	
NAME	DATE
R. TOMSONS	9-6-00
R. TOMSONS	8-12-03

ILLINOIS DEPARTMENT OF TRANSPORTATION

ALUMINUM LIGHT POLE

47'-6" (14.478 m)

MOUNTING HEIGHT

SCALE: NONE

DATE: 1/10/2007

DRAWN BY

CHECKED BY

BE-400

REVISION DATE: 09/02/03

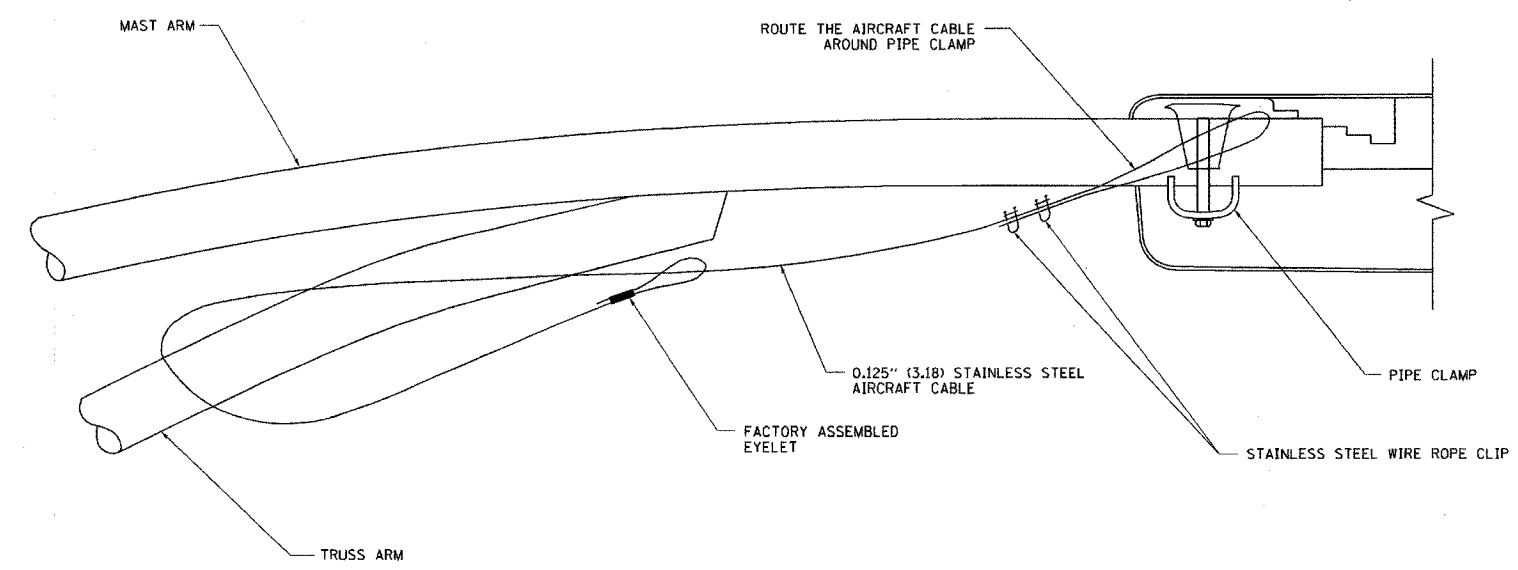
PLOT DATE = 1/10/2007

FILE NAME = c:\projects\transportation\aluminum\aluminum.dgn

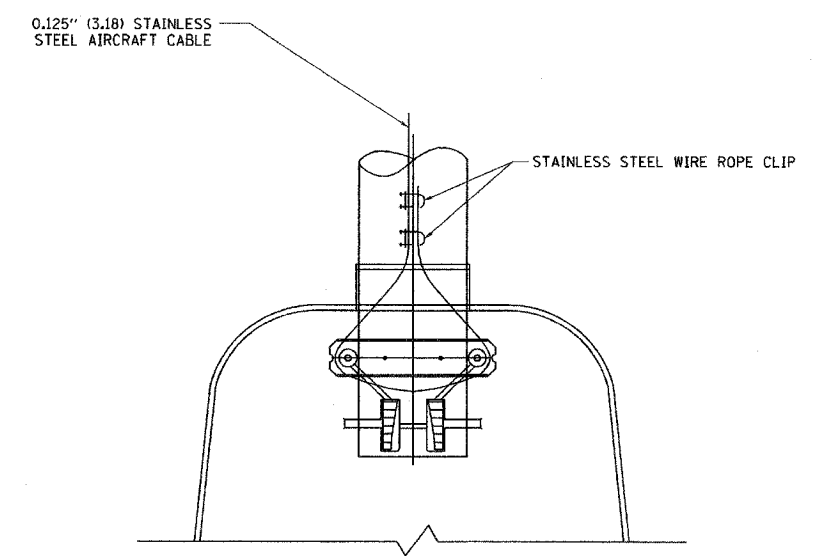
PLOT SCALE = 1/8" = 1'-0"

USER NAME = jfrick

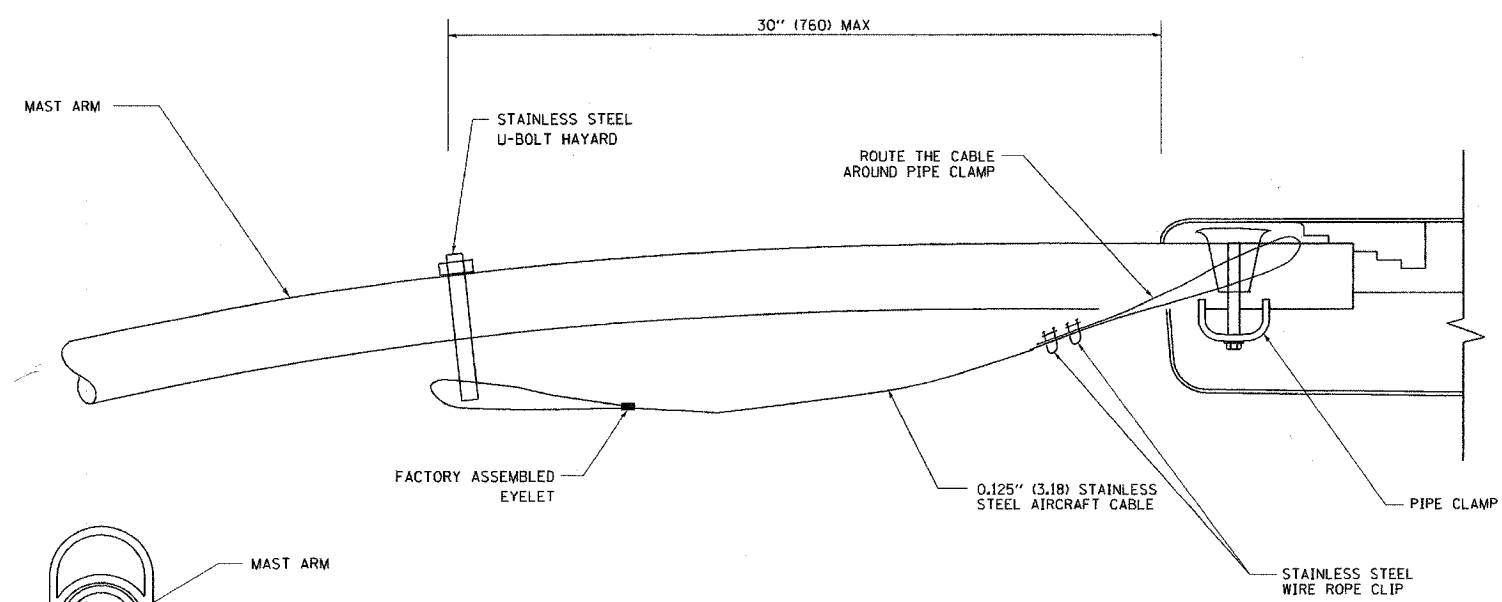
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2007-003T	WILL	44	43
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



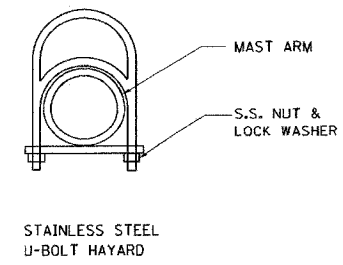
SIDE VIEW (TRUSS ARM)
N.T.S.



BOTTOM VIEW
N.T.S.



SIDE VIEW (SINGLE MEMBER OR DAVIT ARM)
N.T.S.



STAINLESS STEEL U-BOLT HAYARD

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN
2. CONTRACTOR SHALL ADJUST THE WIRE CLIP TO ELIMINATE ANY SLACK FROM THE WIRE ROPE.
3. THE 0.125" (3.18) STAINLESS STEEL AIRCRAFT CABLE SHALL REMAIN VISIBLE FROM THE GROUND LEVEL
4. THE BREAKING STRENGTH OF THE CABLE SHALL BE 1700 LBS. MIN

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

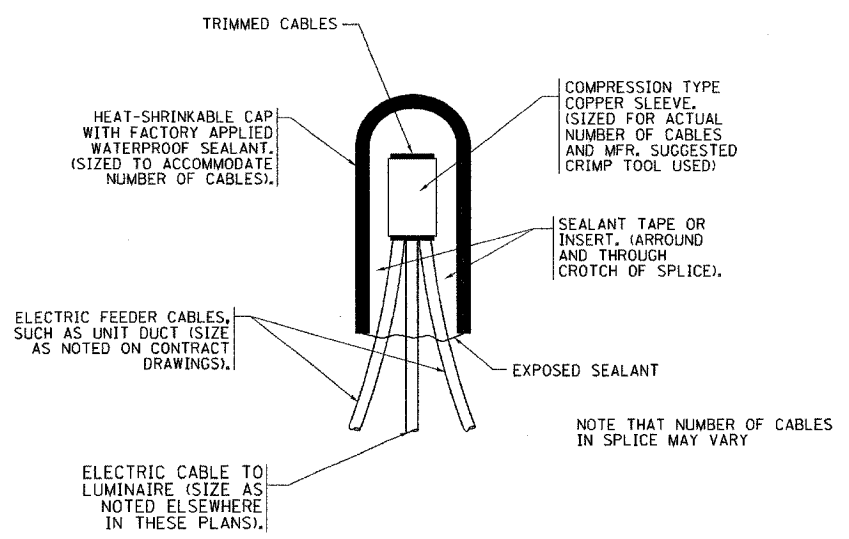
LUMINAIRE SAFETY CABLE ASSEMBLY

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 HORIZ. CHECKED BY
DATE: 1/17/2007

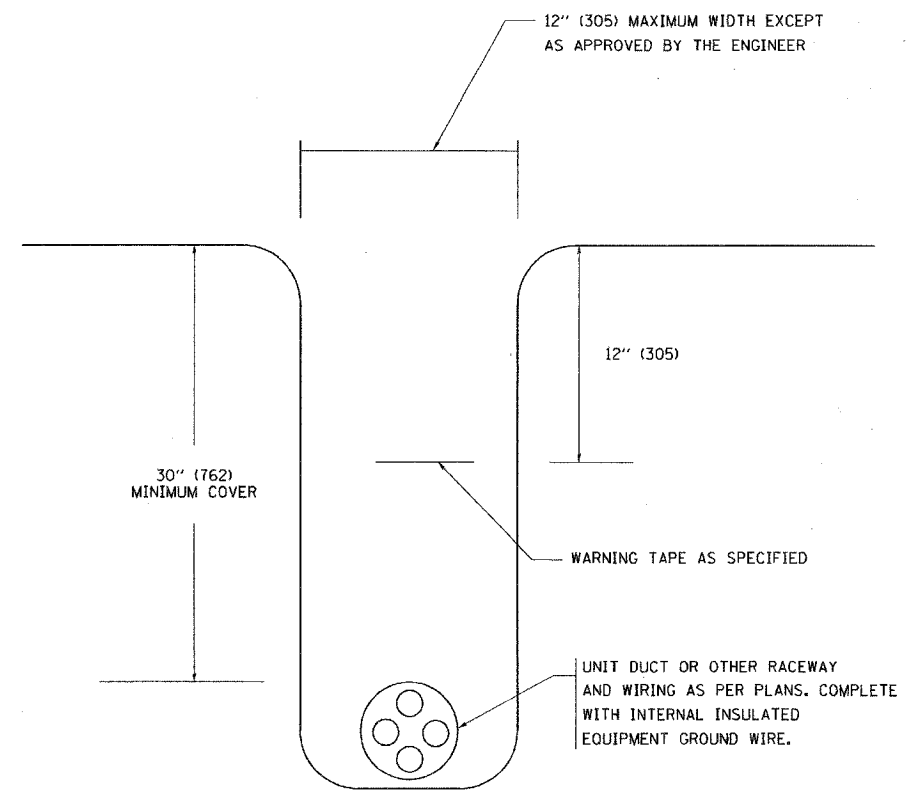
BE-701
REVISION DATE: 01/01/07

PLOT DATE = 1/17/2007
PLOT SCALE = 80.0000 / IN.
USER NAME = alrnehad

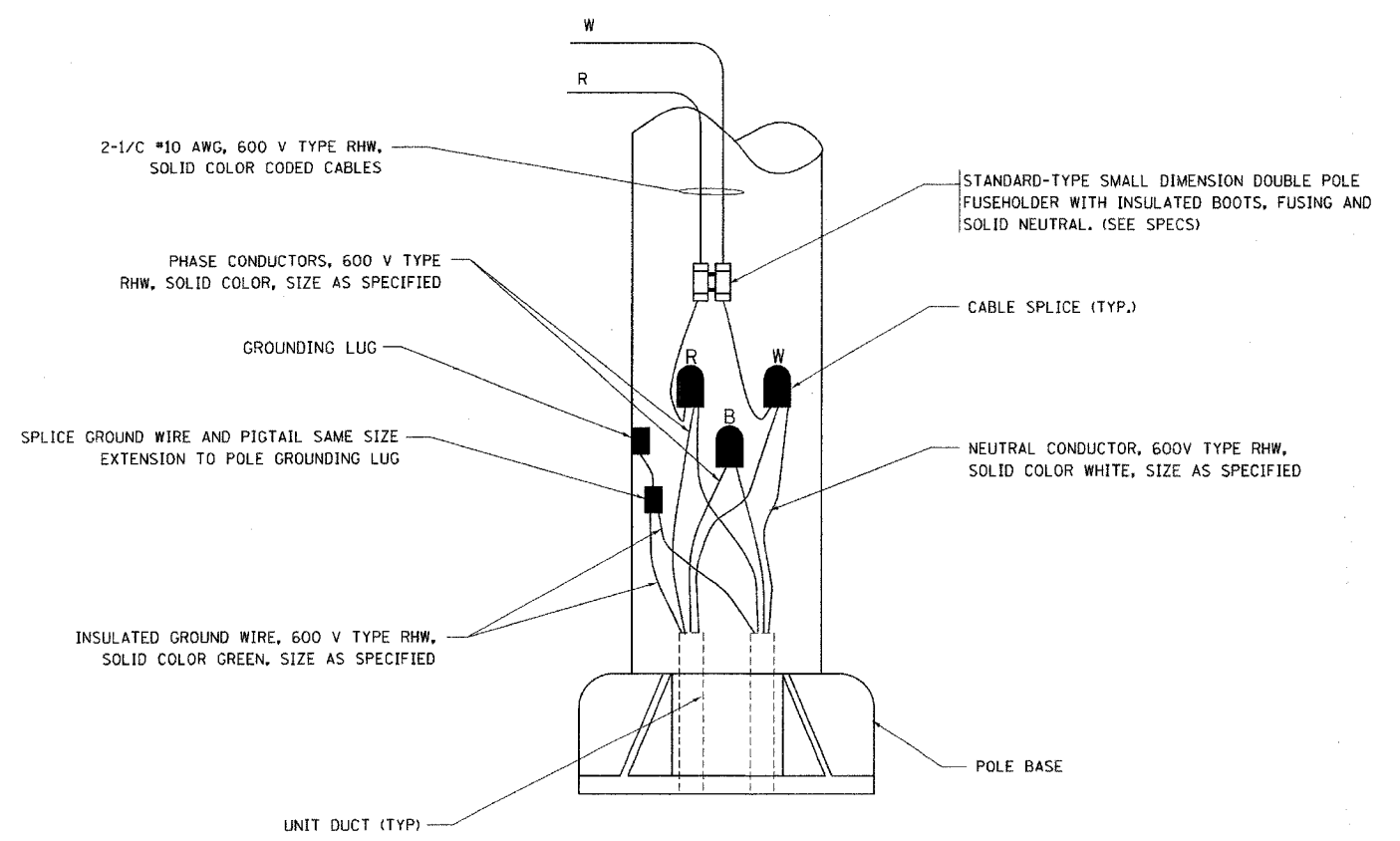
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55	2007-0031	WILL	44	44
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



TYPICAL SPLICE DETAIL
N.T.S.



TYPICAL WIRING IN TRENCH DETAIL
N.T.S.



POLE WIRING DETAIL
N.T.S.

PLOT DATE = 1/18/2007
 FILE NAME = c:\projects\adstsd\be7e2.dgn
 USER NAME = gregjames

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

MISC. ELECTRICAL DETAILS
SHEET A

SCALE: VERT. DATE: 1/18/2007
 HORIZ.
 DRAWN BY
 CHECKED BY
 BE-702
 REVISION DATE: 01/01/07