

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
367	07-00154-11-TL	WILL	70	1
FED. ROAD DIST. NO.		ILLINOIS	CONTRACT NO. 63597	

FOR INDEX OF SHEETS, SEE SHEET NO. 2

FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

TRAFFIC DATA

DESIGN DESIGNATION:

C.H. 52 (GOUGAR ROAD) = MINOR ARTERIAL (URBAN)
 U.S. ROUTE 30 = OTHER PRINCIPAL ARTERIAL

ADT:

C.H. 52 (GOUGAR ROAD) = 11,048 (2014)
 PV = 91.6% SU = 5.2% MU = 3.2%

U.S. ROUTE 30 = 22,722 (2014)
 PV = 92.5% SU = 4.5% MU = 3.0%

DESIGN SPEED:

C.H. 52 (GOUGAR ROAD) (NORTH LEG) = 50 MPH
 C.H. 52 (GOUGAR ROAD) (SOUTH LEG) = 45 MPH
 U.S. ROUTE 30 (WEST LEG) = 50 MPH
 U.S. ROUTE 30 (EAST LEG) = 45 MPH

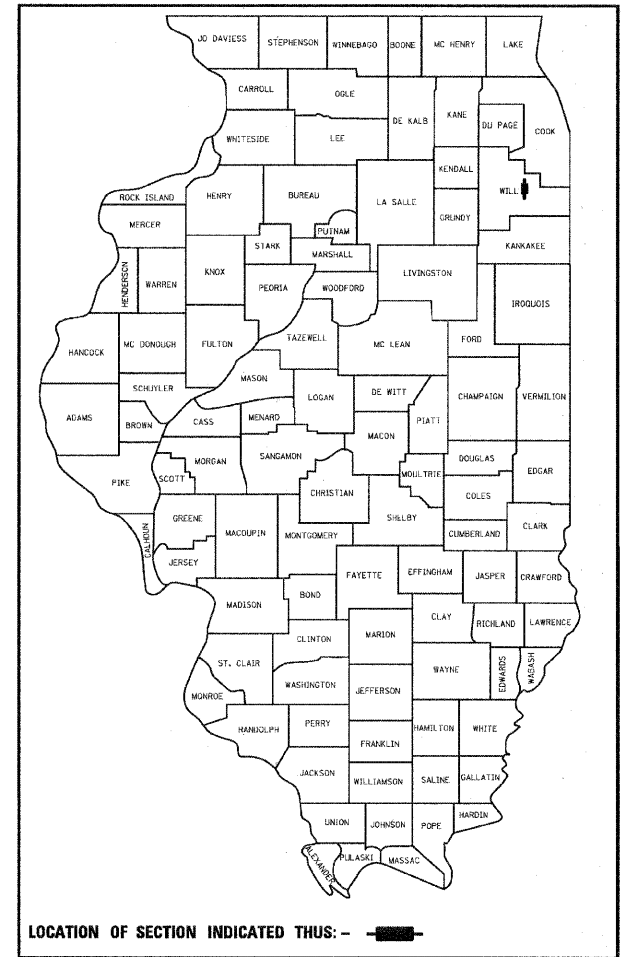
POSTED SPEED:

C.H. 52 (GOUGAR ROAD) (NORTH LEG) = 45 MPH
 C.H. 52 (GOUGAR ROAD) (SOUTH LEG) = 40 MPH
 U.S. ROUTE 30 (WEST LEG) = 45 MPH
 U.S. ROUTE 30 (EAST LEG) = 40 MPH

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS**

**PLANS FOR PROPOSED
 FEDERAL AID HIGHWAY**

**FAU ROUTE 367 / C.H. 52 (GOUGAR ROAD) AT
 U.S. ROUTE 30
 INTERSECTION IMPROVEMENTS
 SECTION NO. 07-00154-11-TL
 PROJECT NO.: CMM-9003(530)
 WILL COUNTY
 JOB NO.: C-91-189-10**

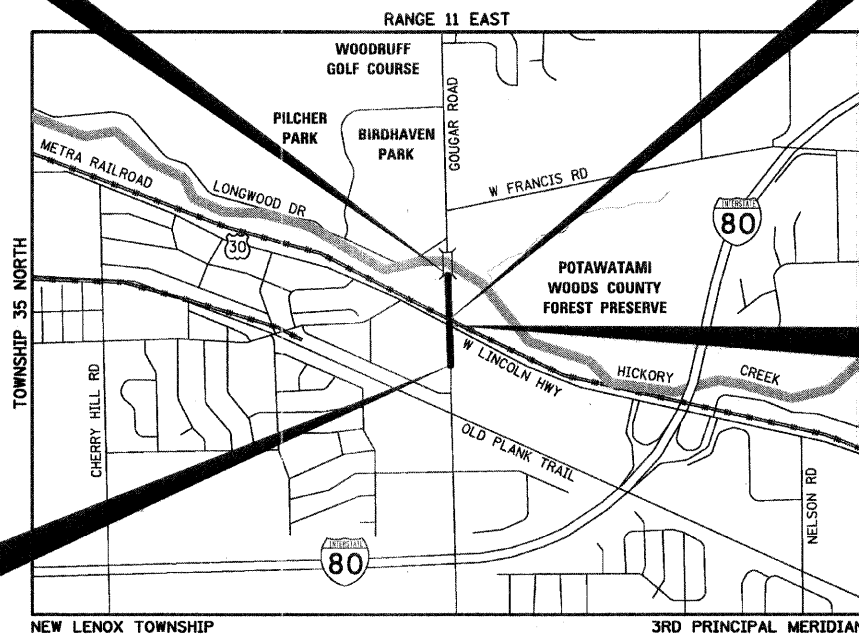


**BEGIN IMPROVEMENTS
 C.H. 52 (GOUGAR ROAD)
 STA. 79 + 49.00**

**RAILROAD OMISSION
 C.H. 52 (GOUGAR ROAD)
 STA. 86 + 34.07 TO
 STA. 86 + 59.78**

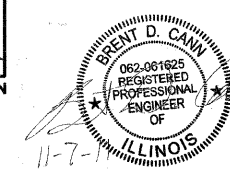
**U.S. ROUTE 30 OMISSION
 C.H. 52 (GOUGAR ROAD)
 STA. 87 + 28.39 TO
 STA. 88 + 00.29**

**END IMPROVEMENTS
 C.H. 52 (GOUGAR ROAD)
 STA. 97 + 00.00**

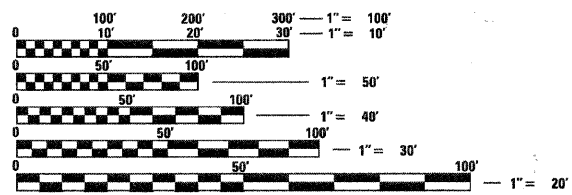


**LOCATION MAP
 SCALE : N.T.S**

PROJECT GROSS AND NET LENGTH:
 GROSS LENGTH = C.H. 52 (GOUGAR ROAD) = 1,751 FEET (0.33 MILES)
 NET LENGTH = C.H. 52 (GOUGAR ROAD) = 1,653 FEET (0.31 MILES)
 RAILROAD OMISSION = 25.71 FEET
 U.S. ROUTE 30 OMISSION = 71.90 FEET



BRENT D. CANN, P.E.
 NO. 062-061625
 EXPIRES: 11/30/11
 HR GREEN



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
 OR 811**

CONTRACT NO. 63597

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS**

APPROVED NOVEMBER 7TH 20 11
[Signature]
 WILL COUNTY ENGINEER

PASSED NOVEMBER 8 20 11
[Signature] CHRISTOPHER HOLT
 DISTRICT 1 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID
 BASED ON LIMITED
 REVIEW NOVEMBER 9, 20 11
[Signature]
 DEPUTY DIRECTOR OF HIGHWAYS, REGION 1 ENGINEER

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

PROGRAM AND OFFICE ENGINEER: CHARLES F. RIDDLE, P.E. (847)705-4406 SCHAMBURG, ILLINOIS

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UTILITY CONTACTS

AT&T	BEVERLY THIBODEAUX	(815) 727-8285
COMED	LUCY ANDERBERG	(630) 437-4855
COMCAST	THOMAS MUNAR	(630) 600-6316
NICOR	CONSTANCE LANE	(630) 388-3830
VILLAGE OF NEW LENOX	WILL NASH	(815) 462-6418

PROJECT CONTACT: BARRY C. CHAM, P.E.
 PROJECT NO.: 07-00154-11-TL
 SHEET NO.: 2 OF 70

	Illinois Professional Design Firm # 184-000188 SEC Group, Inc. An HR Group Company 522 North State New Lenox, Illinois 60451 815-462-8224 F. 815-462-8228 www.secgroup.com *McHenry, IL *Marketa, IL *New Lenox, IL *Chicago, IL	USER NAME = RBext PLOT SCALE = NONE PLOT DATE = 11/10/2011	DESIGNED - BDC DRAWN - RCB CHECKED - APS DATE - 11/10/11	REVISED - REVISED - REVISED - REVISED -	ILLINOIS DEPARTMENT OF TRANSPORTATION PROPOSED ROADWAY IMPROVEMENTS C.H. 52 (GOUGAR ROAD) AT U.S. ROUTE 30	INDEX OF SHEETS, HIGHWAY STANDARDS, AND UTILITY CONTACTS	F.A.U. RTE. 367	SECTION NO. 07-00154-11-TL	COUNTY WILL	TOTAL SHEETS 70	SHEET NO. 2
	SCALE: NONE SHEET NO. OF SHEETS STA. TO STA.							FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT CONTRACT NO. 63597			

GENERAL NOTES

SPECIFICATIONS, STANDARDS, AND SPECIAL PROVISIONS

ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2012"; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS, ADOPTED JANUARY 1, 2012"; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS"; THE "STANDARD SPECIFICATION FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" (LATEST REVISION); THE DETAILS IN THE PLANS; AND THE SPECIAL PROVISIONS INCLUDED IN THE CONTRACT DOCUMENTS.

ANY REFERENCE TO A STANDARD THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED TO MEAN THE LATEST EDITION OF THAT STANDARD AS PUBLISHED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION.

ALL TRAFFIC CONTROL AND OTHER ADVISORY SIGNS NEEDED FOR CONSTRUCTION ARE TO BE FURNISHED BY THE CONTRACTOR IN ACCORDANCE WITH ARTICLE 107.14 OF THE STANDARD SPECIFICATIONS.

THE CONTRACTOR SHALL AT ALL TIMES PROVIDE PROTECTION FOR TRAFFIC AS CALLED FOR IN THE APPLICATION OF TRAFFIC CONTROL DEVICES, THE STANDARD SPECIFICATIONS AND THE PLANS.

UTILITIES

THE CONTRACTOR SHALL COOPERATE WITH WILL COUNTY DEPARTMENT OF HIGHWAYS, IDOT, AND THE VILLAGE OF NEW LENOX IF ANY UTILITY IMPROVEMENTS ARE REQUIRED BY THE COUNTY, IDOT, OR VILLAGE WITHIN THE DURATION OF THE CONTRACT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE OWNERS OF ALL UTILITIES PRIOR TO CONSTRUCTION TO DETERMINE THE LOCATION OF ALL UTILITY EQUIPMENT. THE CONTRACTOR SHALL COOPERATE WITH ALL UTILITY OWNERS IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS IF UTILITY RELOCATION, ADJUSTMENT, OR PROTECTION IS NECESSARY.

THE LOCATION OF EXISTING DRAINAGE STRUCTURES, STORM SEWERS, WATER MAINS, SANITARY SEWERS, AND ANY OTHER PUBLIC OR PRIVATE UTILITIES AS SHOWN ON THE PLANS IS APPROXIMATE AND THEIR EXACT LOCATION IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR. THIS WORK SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL UNDERGROUND AND SURFACE UTILITIES EVEN THOUGH THEY MIGHT NOT BE SHOWN ON THE PLANS. ANY UTILITY PROPERTY DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.

STAKING

THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL SECTION OR SUBSECTION MONUMENTS, PROPERTY CORNERS, AND REFERENCE MARKERS UNTIL THE OWNER, HIS AGENT, OR AN AUTHORIZED SURVEYOR HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATIONS.

ALL RADII FOR PROPOSED CURB AND GUTTER ARE TO THE EDGE OF PAVEMENT, UNLESS OTHERWISE NOTED. CURB AND GUTTER ELEVATIONS SHOWN ALONG RETURNS AND AT POINTS OF CURVATURE, ETC. ARE TO THE EDGE OF PAVEMENT UNLESS OTHERWISE NOTED.

OFFSET LOCATIONS GIVEN IN THE PLANS FOR STRUCTURES, EDGE OF PAVEMENT, ETC. ARE FROM THE ROADWAY CENTERLINE.

THE OFFSETS FOR DRAINAGE STRUCTURES WITHIN THE CURB ARE MEASURED TO THE EDGE OF PAVEMENT. THE OFFSETS FOR ALL OTHER DRAINAGE STRUCTURES ARE MEASURED TO THE CENTER OF THE STRUCTURE.

ALL ELEVATIONS ARE ON U.S.G.S. DATUM.

DRAINAGE, SEWER, AND WATER MAINS

ANY LOOSE MATERIAL DEPOSITED IN THE FLOWLINE OF DRAINAGE STRUCTURES, WHICH OBSTRUCTS THE NATURAL FLOW OF WATER SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. PRIOR TO ACCEPTANCE OF THE IMPROVEMENT, ALL DRAINAGE STRUCTURES SHALL BE FREE OF DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.

WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN, IN AN OPERATING CONDITION, TEMPORARY OUTLETS AND CONNECTIONS FOR ALL DRAINS, SEWERS, AND CATCH BASINS. THE CONTRACTOR SHALL PROVIDE FACILITIES WHICH HAVE THE CAPACITY TO RECEIVE AND DISCHARGE THE STORM WATER FLOW RATES NORMALLY ACCEPTED AND RELEASED BY THE EXISTING DRAINAGE FACILITIES. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT.

DRAINAGE, SEWER, AND WATER MAINS (CONT.)

ALL FRAMES, GRATES, LIDS, AND BOXES SCHEDULED TO BE REMOVED FROM EXISTING STRUCTURES SHALL REMAIN THE PROPERTY OF THE COUNTY OR VILLAGE, AS APPLICABLE. ANY ITEMS DAMAGED DURING REMOVAL OPERATIONS SHALL BE REPLACED BY THE CONTRACTOR AT HIS EXPENSE. THE COST OF SALVAGING EXISTING FRAMES, GRATES, LIDS, OR BOXES AND/OR STOCKPILING THEM ON THE JOB SITE FOR PICK-UP BY THE COUNTY OR VILLAGE OR DELIVERY TO THE COUNTY AT 16841 WEST LARAWAY ROAD, NEW LENOX, ILLINOIS 60451 OR VILLAGE MAINTENANCE YARD AT 701 WEST HAVEN AVENUE, NEW LENOX, ILLINOIS 60451 SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

ALL FRAMES WITH CLOSED LIDS TO BE FURNISHED AS PART OF THE CONTRACT SHALL HAVE ONE OF THE FOLLOWING WORDS CAST INTO THE LID: "STORM" (FOR STORM SEWER STRUCTURES), "SANITARY" (FOR SANITARY SEWER STRUCTURES), OR "WATER" (FOR WATER SYSTEM STRUCTURES). ANY ADDITIONAL COST FOR THIS REQUIREMENT WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE FRAMES AND CLOSED LIDS PROVIDED.

FRAME ELEVATIONS GIVEN ON THE PLANS ARE ONLY TO ASSIST THE CONTRACTOR IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. FRAMES ON ALL STRUCTURES WILL BE ADJUSTED TO THE FINAL ELEVATION AND CROSS SLOPE OF THE AREA IN WHICH THEY ARE LOCATED.

BACKFILL

STORM SEWER, WATER MAIN, AND SANITARY SEWER SHALL BE BACKFILLED IN ACCORDANCE WITH ARTICLE 593, OR AS DIRECTED BY THE ENGINEER.

ALL TRENCH BACKFILL QUANTITIES FOR STORM SEWER HAVE BEEN COMPUTED AND SHALL BE PAID FOR IN ACCORDANCE WITH THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS, BUREAU OF CONSTRUCTION TRENCH BACKFILL TABLE.

SEDIMENTATION AND EROSION CONTROL

SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS, AND THE USE OF TEMPORARY AND PERMANENT MEASURES.

SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF HYDROLOGIC DISTURBANCE OF UPLAND AREAS.

CLASS 2A SEEDING, FERTILIZER, AND EROSION CONTROL BLANKET SHALL BE APPLIED ON ALL DISTURBED AREAS IN ACCORDANCE WITH SECTIONS 250 AND 251 OF THE STANDARD SPECIFICATIONS. SEEDING SHALL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDED SHALL BE DETERMINED BY THE ENGINEER.

DISTURBED AREAS SHALL BE STABILIZED WITH TEMPORARY OR PERMANENT MEASURES WITHIN 14 CALENDAR DAYS OF THE END OF THE ACTIVE HYDROLOGIC DISTURBANCE, OR REDISTURBANCE IN ACCORDANCE WITH SECTIONS 250 AND 280 OF THE STANDARD SPECIFICATIONS.

AREAS OR EMBANKMENTS HAVING SLOPES GREATER THAN 3H:1V SHALL BE STABILIZED WITH SOD, MAT, OR BLANKET IN COMBINATION WITH SEEDING.

EROSION CONTROL SYSTEMS SHALL BE INSPECTED WEEKLY AND IMMEDIATELY FOLLOWING ANY STORM HAVING A RAINFALL EQUAL TO ONE-HALF INCH OR GREATER. ANY REQUIRED REPAIRS TO THE EROSION CONTROL SYSTEMS SHALL BE MADE IMMEDIATELY. ANY SILTATION OF CULVERTS, STRUCTURES, OR DITCHES SHALL BE CLEANED AND MAINTAINED BY THE CONTRACTOR UNTIL SEEDING HAS TAKEN HOLD. ALL WASHOUTS, GULLIES, ETC. WILL BE REGRADED AND RESEDED BY THE CONTRACTOR. THIS WORK SHALL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED AS DIRECTED BY THE ENGINEER.

ANY SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY, OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT OR AS DIRECTED BY THE ENGINEER AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA.

SOIL STOCKPILES SHALL NOT BE LOCATED IN A FLOOD-PRONE AREA OR A DESIGNATED BUFFER PROTECTING WATERS OF THE UNITED STATES.

IF DE-WATERING SERVICES ARE USED, ADJOINING PROPERTIES AND DISCHARGE LOCATIONS SHALL BE PROTECTED FROM EROSION. DISCHARGES SHALL BE ROUTED THROUGH AN EFFECTIVE SEDIMENT CONTROL MEASURE (SEDIMENT TRAP, SEDIMENT BASIN, OR OTHER APPROPRIATE MEASURE).

MISCELLANEOUS

IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THE CONTRACT.

WHERE NEW WORK MEETS EXISTING FEATURES TO REMAIN, THE CONTRACTOR SHALL FIELD CHECK ALL DIMENSIONS AND ELEVATIONS PRIOR TO PROCEEDING WITH CONSTRUCTION AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES.

THE CONTRACTOR WILL BE REQUIRED TO COMPLY WITH ALL STATE REGULATIONS REGARDING AIR, WATER, AND NOISE POLLUTION. THE CONTRACTOR IS PROHIBITED FROM BURNING ANY MATERIAL WITHIN OR ADJACENT TO THE IMPROVEMENT.

THE CONTRACTOR SHALL PREPARE THE SUBGRADE IN ACCORDANCE WITH ARTICLE 301.03 OF THE STANDARD SPECIFICATIONS PRIOR TO THE REMOVAL OF ANY UNSUITABLE MATERIALS.

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE, COUNTY OR VILLAGE PROPERTY WITHOUT WRITTEN CONSENT FROM THE ILLINOIS DEPARTMENT OF TRANSPORTATION, WILL COUNTY DEPARTMENT OF HIGHWAYS OR THE VILLAGE OF NEW LENOX, RESPECTIVELY.

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

THE REMOVAL OF AGGREGATE SHOULDERS AND ENTRANCES WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT BID PRICE FOR "EARTH EXCAVATION."

SAW CUTTING WILL BE REQUIRED FOR ALL REMOVAL ITEMS LISTED IN SECTION 440 OF THE STANDARD SPECIFICATIONS, SHOWN IN THE PLANS, AND AS DIRECTED BY THE ENGINEER. THE COST OF SAW CUTTING WILL BE INCLUDED IN CONTRACT UNIT BID PRICES FOR THE ITEMS BEING REMOVED.

ADDITIONAL PAVEMENT REMOVAL WILL BE REQUIRED IN AREAS WHERE THE PROPOSED PAVEMENT WIDENING IS LESS THAN 2' IN ORDER TO OBTAIN THE REQUIRED COMPACTION WITHIN THE PROPOSED WIDENING AREA. ADEQUATE QUANTITIES HAVE BEEN PROVIDED.

ALL EXISTING RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE REMOVED AND ADEQUATELY BACKFILLED (NO COLD PATCH) PRIOR TO PLACING THE ASPHALT LEVELING BINDER AND SURFACE COURSE. THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR RAISED REFLECTIVE PAVEMENT MARKER REMOVAL.

ALL POTHOLES AND OTHER AREAS NEEDING PATCHING IN THE EXISTING PAVEMENT MUST BE COMPLETED BY THE CONTRACTOR PRIOR TO PLACEMENT OF THE LEVELING BINDER.

EXCAVATION AND PAVEMENT WIDENING ON BOTH SIDES OF THE PAVEMENT AT ANY ONE LOCATION AT THE SAME TIME WILL NOT BE PERMITTED PER ARTICLE 701.08 OF THE STANDARD SPECIFICATIONS.

RECORD DRAWINGS SHALL BE AS DIRECTED BY THE ENGINEER.

VERTICAL HEADWALLS, DECORATIVE SIGNING, PLANTINGS, SHRUBBERY, AND TREES ARE PROHIBITED INSIDE THE COUNTY R.O.W.

THE RESIDENT ENGINEER SHALL CONTACT LAWRENCE HILL, AREA TRAFFIC ENGINEER AT (815)485-6475 A MINIMUM OF 2 WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKING.

BEFORE BEGINNING ANY WORK, THE CONTRACTOR SHALL RETAIN AND RECORD FOR FUTURE REFERENCE, ALL EXISTING PAVEMENT MARKING LINES AND RAISED REFLECTIVE MARKING(S) IN ORDER THAT THESE LOCATIONS CAN BE RE-ESTABLISHED FOR STRIPING. EXACT LOCATIONS OF ALL PAVEMENT MARKINGS SHALL BE AS DIRECTED BY THE ENGINEER.

ALL EXISTING RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE REMOVED AND ADEQUATELY BACKFILLED (NO COLD PATCH) PRIOR TO PLACING THE ASPHALT LEVELING BINDER AND SURFACE COURSE. THIS WORK SHALL BE INCLUDED IN CONTRACT UNIT BID PRICES FOR PAVEMENT MARKING REMOVAL.

ITEM INCIDENTAL TO THE CONTRACT

**ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED ROADWAY IMPROVEMENTS
C.H. 52 (GOUGAR ROAD) AT U.S. ROUTE 30**

GENERAL NOTES

SCALE: NONE SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
367	07-00154-11-TL	WILL	70	3
CONTRACT NO. 63597				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

ILLINOIS PROFESSIONAL DESIGN FIRM # 154-000108
 SEC Group, Inc.
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 Matthew J. Markowski, New Lenox, IL, Chicago, IL

USER NAME = RDR	DESIGNED - BDC	REVISED -
PLOT SCALE = NONE	DRAWN - RCB	REVISED -
PLOT DATE = 11/8/2011	CHECKED - APS	REVISED -
	DATE - 11/8/11	REVISED -

CODE NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY	0004	0021	0042
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	42	42		
20200100	EARTH EXCAVATION	CU YD	2690	2690		
* 20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	142	142		
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	12771	12771		
* 25000210	SEEDING, CLASS 2A	ACRE	3	3		
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	239	239		
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	239	239		
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	239	239		
25100630	EROSION CONTROL BLANKET	SQ YD	12771	12771		
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	265	265		
28000305	TEMPORARY DITCH CHECKS	FOOT	112	112		
28000400	PERIMETER EROSION BARRIER	FOOT	2703	2703		
28000500	INLET AND PIPE PROTECTION	EACH	7	7		
28000510	INLET FILTERS	EACH	20	20		
28100107	STONE RIPRAP, CLASS A4	SQ YD	28	28		
28200200	FILTER FABRIC	SQ YD	28	28		
31101200	SUB-BASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	701	701		
35501330	HOT-MIX ASPHALT BASE COURSE, 11 1/2"	SQ YD	2024	2024		
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	2766	2766		
40600300	AGGREGATE (PRIME COAT)	TON	41	41		
40600827	POLYMERIZED LEVEL BINDER (MACHINE METHOD), IL-4.75, N50	TON	521	521		
* 40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	309	309		
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	109	109		
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	868	868		
44000100	PAVEMENT REMOVAL	SQ YD	554	554		
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	776	776		
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	3135	3135		
44004250	PAVED SHOULDER REMOVAL	SQ YD	32	32		
44201789	CLASS D PATCHES, TYPE II, 12 INCH	SQ YD	32	32		
44201794	CLASS D PATCHES, TYPE III, 12 INCH	SQ YD	37	37		
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	2167	2167		
48101600	AGGREGATE SHOULDERS, TYPE B 8"	SQ YD	300	300		
48203021	HOT-MIX ASPHALT SHOULDERS, 6"	SQ YD	40	40		
50104400	CONCRETE HEADWALL REMOVAL	EACH	2	2		
50105220	PIPE CULVERT REMOVAL	FOOT	280	280		
542A0229	PIPE CULVERTS, CLASS A, TYPE 1 24"	FOOT	116	116		
542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	40	40		
542D0229	PIPE CULVERTS, CLASS D, TYPE 1 24"	FOOT	311	311		
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	10	10		
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	1	1		
54213873	STEEL END SECTIONS 18"	EACH	2	2		
54213879	STEEL END SECTIONS 24"	EACH	8	8		

* SEE SPECIAL PROVISIONS
** DENOTES SPECIALTY ITEMS, SEE SPECIAL PROVISIONS

PROJECT: CONTRACT: 07-00154-11-TL, CHAN, R.E.
DATE PLOTTED: 11/18/2011 10:52:00 AM


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An IRT Group Company
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USER NAME = RBest
PLOT SCALE = NONE
PLOT DATE = 11/8/2011

DESIGNED - BDC	REVISED -
DRAWN - RCB	REVISED -
CHECKED - APS	REVISED -
DATE - 11/8/11	REVISED -

ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED ROADWAY IMPROVEMENTS
C.H. 52 (GOUGAR ROAD) AT U.S. ROUTE 30

SUMMARY OF QUANTITIES
SCALE: NONE SHEET NO. 1 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
367	07-00154-11-TL	WILL	70	4
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 63597	

CODE NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY	0004	0021	0042
54247130	GRATING FOR CONCRETE FLARED END SECTION 24"	EACH	1	1		
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	381	381		
55100500	STORM SEWER REMOVAL 12"	FOOT	158	158		
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	496	496		
60201340	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 24 FRAME AND GRATE	EACH	6	6		
60237470	INLETS, TYPE A, TYPE 24 FRAME AND GRATE	EACH	9	9		
60260100	INLETS TO BE ADJUSTED	EACH	2	2		
60500050	REMOVING CATCH BASINS	EACH	2	2		
60500060	REMOVING INLETS	EACH	4	4		
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	450	450		
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	2049	2049		
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	2248	2248		
60619600	CONCRETE MEDIAN, TYPE SB-6.12	SQ FT	1597	1597		
* 60625900	P.C.C. RAMPED MEDIAN TERMINAL	EACH	4	4		
** 63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	62.5		62.5	
** 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	1		1	
** * 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	1		1	
63200310	GUARDRAIL REMOVAL	FOOT	95		95	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	4	4		
67100100	MOBILIZATION	LSUM	1	1		
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	120		120	
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	4		4	
70300100	SHORT TERM PAVEMENT MARKING	FOOT	844		844	
70300510	PAVEMENT MARKING TAPE, TYPE III - LETTERS AND SYMBOLS	SQ FT	594		594	
70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	10644		10644	
70300540	PAVEMENT MARKING TAPE, TYPE III 6"	FOOT	1022		1022	
70300550	PAVEMENT MARKING TAPE, TYPE III 8"	FOOT	1226		1226	
70300570	PAVEMENT MARKING TAPE, TYPE III 24"	FOOT	192		192	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	5854		5854	
*** 72000100	SIGN PANEL - TYPE 1	SQ FT	220		220	
72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	7		7	
72400600	RELOCATE SIGN PANEL ASSEMBLY - TYPE B	EACH	2		2	
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	569		569	
73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	42		42	
** 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	454		454	
** 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	7327		7327	
** 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	2916		2916	
** 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	591		591	
** 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1026		1026	
** 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	230		230	
** 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	1058		1058	
** 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	116		116	

* SEE SPECIAL PROVISIONS
** DENOTES SPECIALTY ITEMS, SEE SPECIAL PROVISIONS
*** INCLUDES SIGNAL QUANTITIES

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USER NAME = RBest	DESIGNED - BDC	REVISED -
PLOT SCALE = NONE	DRAWN - RCB	REVISED -
PLOT DATE = 11/8/2011	CHECKED - APS	REVISED -
	DATE - 11/8/11	REVISED -

**ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED ROADWAY IMPROVEMENTS
C.H. 52 (GOUGAR ROAD) AT U.S. ROUTE 30**

SUMMARY OF QUANTITIES			
SCALE: NONE	SHEET NO. 2 OF 4 SHEETS	STA.	TO STA.

F.A.U. RTE. 367	SECTION NO. 07-00154-11-TL	COUNTY WILL	TOTAL SHEETS 70	SHEET NO. 5
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

CONTRACT NO. 63597

CODE NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY	0004	0021	0042
** 78200410	GUARDRAIL MARKERS, TYPE A	EACH	4		4	
** 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	1		1	
78300100	PAVEMENT MARKING REMOVAL	SQ FT	3063		3063	
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	130		130	
** 80500020	SERVICE INSTALLATION - POLE MOUNTED	EACH	1		1	
** 81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	205		205	
** 81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	143		143	
** 81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	100		100	
** 81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	638		638	
** 81400100	HANDHOLE	EACH	5		5	
** 81400200	HEAVY-DUTY HANDHOLE	EACH	1		1	
** 81400300	DOUBLE HANDHOLE	EACH	2		2	
** 85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2		2	
** 85700215	RAILROAD, FULLACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1		1	
** 86400100	TRANSCEIVER - FIBER OPTIC	EACH	1		1	
** 87100020	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	803		803	
** 87300010	GROUND EXISTING HANDHOLE FRAME AND COVER	EACH	3		3	
** 87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	777		777	
** 87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1592		1592	
** 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3348		3348	
** 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2405		2405	
** 87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2432		2432	
** 87301750	ELECTRIC CABLE IN CONDUIT, RAILROAD, NO. 14 3C	FOOT	262		262	
** 87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	101		101	
** 87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	956		956	
** 87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	1		1	
** 87502480	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	2		2	
** 87502520	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1		1	
** 87700240	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	2		2	
** 87700250	STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1		1	
** 87700280	STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1		1	
** 87700290	STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.	EACH	1		1	
** 87800100	CONCRETE FOUNDATION, TYPE A	FOOT	16		16	
** 87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4		4	
** 87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	67		67	
** 87900200	DRILL EXISTING HANDHOLE	EACH	1		1	
** 88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	9		9	
** 88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2		2	
** 88030070	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	1		1	
** 88030080	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST-ARM MOUNTED	EACH	3		3	
** 88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1		1	
** 88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	3		3	

** SEE SPECIAL PROVISIONS
 ** DENOTES SPECIALTY ITEMS, SEE SPECIAL PROVISIONS

PROJECT: ILLINOIS DEPARTMENT OF TRANSPORTATION
 DRAWING: ROADWAY IMPROVEMENTS
 SHEET: 3 OF 6
 DATE: 11/8/2011

SEC Group, Inc.
 An IFC Group Company
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USER NAME = RBest
 PLOT SCALE = NONE
 PLOT DATE = 11/8/2011

DESIGNED - BDC
 DRAWN - RCB
 CHECKED - APS
 DATE - 11/8/11

REVISED -
 REVISED -
 REVISED -
 REVISED -

**ILLINOIS DEPARTMENT OF TRANSPORTATION
 PROPOSED ROADWAY IMPROVEMENTS
 C.H. 52 (GOUGAR ROAD) AT U.S. ROUTE 30**

SUMMARY OF QUANTITIES			
SCALE:	NONE	SHEET NO. 3 OF 4 SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
367	07-00154-11-TL	WILL	70	6
FED. ROAD DIST. NO.				ILLINOIS FED. AID PROJECT
CONTRACT NO. 63597				

CODE NUMBER	PAY ITEM	UNIT	TOTAL QUANTITY	0004	0021	0042
** 88030210	SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1		1	
** 88030240	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	1		1	
** 88200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	15		15	
** 88500100	INDUCTIVE LOOP DETECTOR	EACH	12		12	
** 88600100	DETECTOR LOOP, TYPE I	FOOT	1118		1118	
** 88700200	LIGHT DETECTOR	EACH	4		4	
** 88700300	LIGHT DETECTOR AMPLIFIER	EACH	1		1	
** 89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1		1	
** 89100400	ILLUMINATED SIGN, LED	EACH	2		2	
** 89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	8763		8763	
** 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1		1	
** 89502380	REMOVE EXISTING HANDHOLE	EACH	7		7	
** 89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	11		11	
** X0322341	PULL & REINSTALL FIBER OPTIC CABLE	L SUM	1		1	
* X2800510	INLET FILTER CLEANING	EACH	20	20		
* X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	1	1		
* X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	5	5		
* X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	8504	8504		
* X4402020	CONCRETE MEDIAN SURFACE REMOVAL	SQ FT	4969	4969		
* X6060500	CORRUGATED MEDIAN REMOVAL	SQ FT	1327	1327		
* X6063401	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12	FOOT	153	153		
* X6063600	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24	FOOT	99	99		
* X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1		1	
** X8730320	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 20 3/C, TWISTED, SHIELDED	FOOT	1077		1077	
* Z0001050	AGGREGATE SUBGRADE 12"	SQ YD	3429	3429		
* Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1		
* Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	125		125	
** Z0033046	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1		1	
* Z0042002	POROUS GRANULAR EMBANKMENT, SUBGRADE	CU YD	142	142		
* Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1		
** Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1		1	
Z0076600	TRAINEES	HOUR	500			500
** X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1		1	

* SEE SPECIAL PROVISIONS
** DENOTES SPECIALTY ITEMS, SEE SPECIAL PROVISIONS

PROJECT: COUNTY ROAD 10, CHAMPAIGN, ILLINOIS
DRAWING: ROADWAY IMPROVEMENTS
DATE: 11/8/2011 11:58:04 AM

SEC Group, Inc.
Illinois Professional Design Firm # 184-02108
An HDR Group Company
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USER NAME = RBest
PLOT SCALE = NONE
PLOT DATE = 11/8/2011

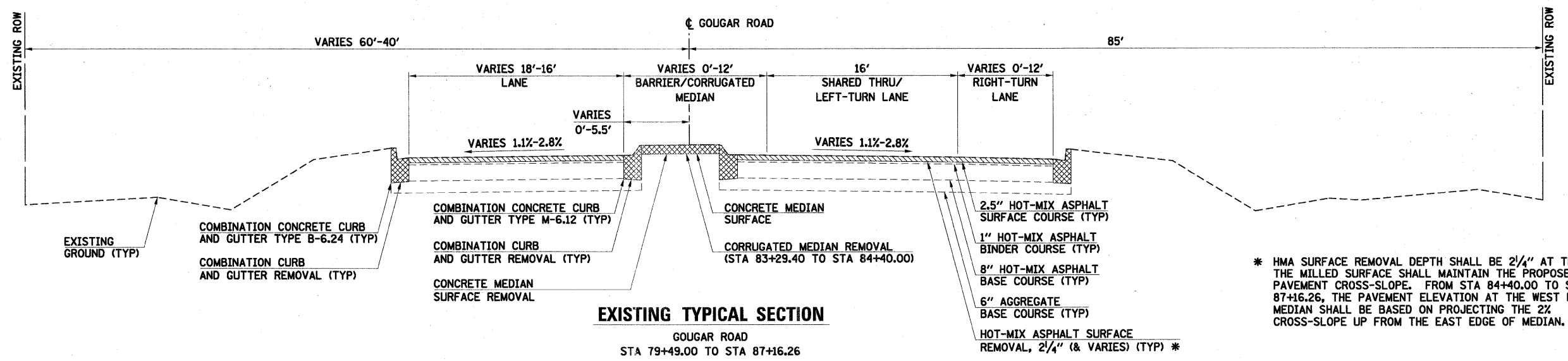
DESIGNED -	BDC	REVISED -	
DRAWN -	RCB	REVISED -	
CHECKED -	APS	REVISED -	
DATE -	11/8/11	REVISED -	

**ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED ROADWAY IMPROVEMENTS
C.H. 52 (GOUGAR ROAD) AT U.S. ROUTE 30**

SUMMARY OF QUANTITIES

SCALE: NONE SHEET NO. 4 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
367	07-00154-11-TL	WILL	70	7
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63597	

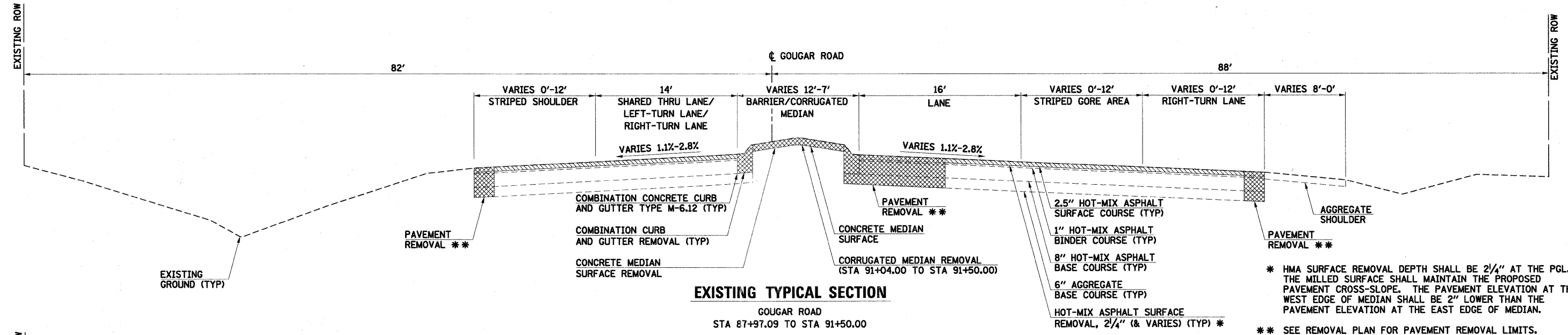


EXISTING TYPICAL SECTION

GOUGAR ROAD
STA 79+49.00 TO STA 87+16.26

* HMA SURFACE REMOVAL DEPTH SHALL BE 2 1/4" AT THE PGL. THE MILLED SURFACE SHALL MAINTAIN THE PROPOSED PAVEMENT CROSS-SLOPE. FROM STA 84+40.00 TO STA 87+16.26, THE PAVEMENT ELEVATION AT THE WEST EDGE OF MEDIAN SHALL BE BASED ON PROJECTING THE 2% CROSS-SLOPE UP FROM THE EAST EDGE OF MEDIAN.

2.5" HOT-MIX ASPHALT SURFACE COURSE (TYP)
1" HOT-MIX ASPHALT BINDER COURSE (TYP)
8" HOT-MIX ASPHALT BASE COURSE (TYP)
6" AGGREGATE BASE COURSE (TYP)
HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4" (& VARIES) (TYP) *

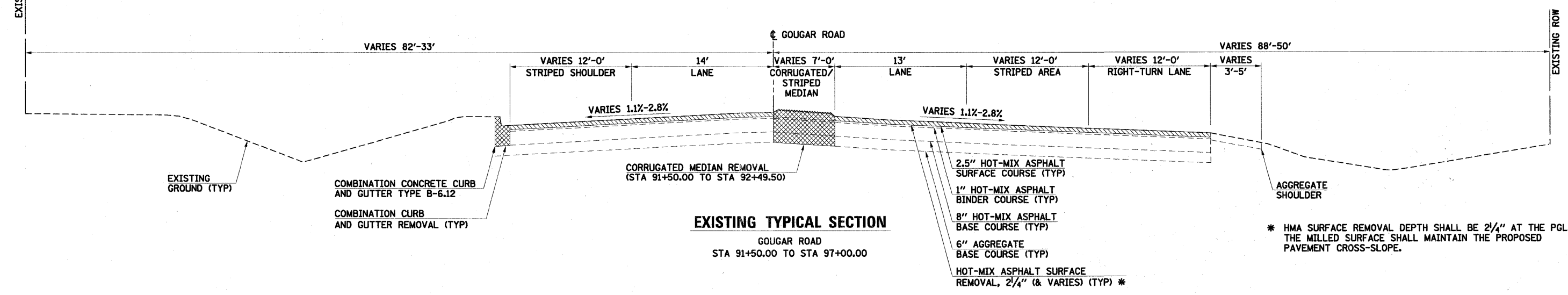


EXISTING TYPICAL SECTION

GOUGAR ROAD
STA 87+97.09 TO STA 91+50.00

* HMA SURFACE REMOVAL DEPTH SHALL BE 2 1/4" AT THE PGL. THE MILLED SURFACE SHALL MAINTAIN THE PROPOSED PAVEMENT CROSS-SLOPE. THE PAVEMENT ELEVATION AT THE WEST EDGE OF MEDIAN SHALL BE 2" LOWER THAN THE PAVEMENT ELEVATION AT THE EAST EDGE OF MEDIAN.
** SEE REMOVAL PLAN FOR PAVEMENT REMOVAL LIMITS.

2.5" HOT-MIX ASPHALT SURFACE COURSE (TYP)
1" HOT-MIX ASPHALT BINDER COURSE (TYP)
8" HOT-MIX ASPHALT BASE COURSE (TYP)
6" AGGREGATE BASE COURSE (TYP)
HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4" (& VARIES) (TYP) *



EXISTING TYPICAL SECTION

GOUGAR ROAD
STA 91+50.00 TO STA 97+00.00

* HMA SURFACE REMOVAL DEPTH SHALL BE 2 1/4" AT THE PGL. THE MILLED SURFACE SHALL MAINTAIN THE PROPOSED PAVEMENT CROSS-SLOPE.

2.5" HOT-MIX ASPHALT SURFACE COURSE (TYP)
1" HOT-MIX ASPHALT BINDER COURSE (TYP)
8" HOT-MIX ASPHALT BASE COURSE (TYP)
6" AGGREGATE BASE COURSE (TYP)
HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4" (& VARIES) (TYP) *

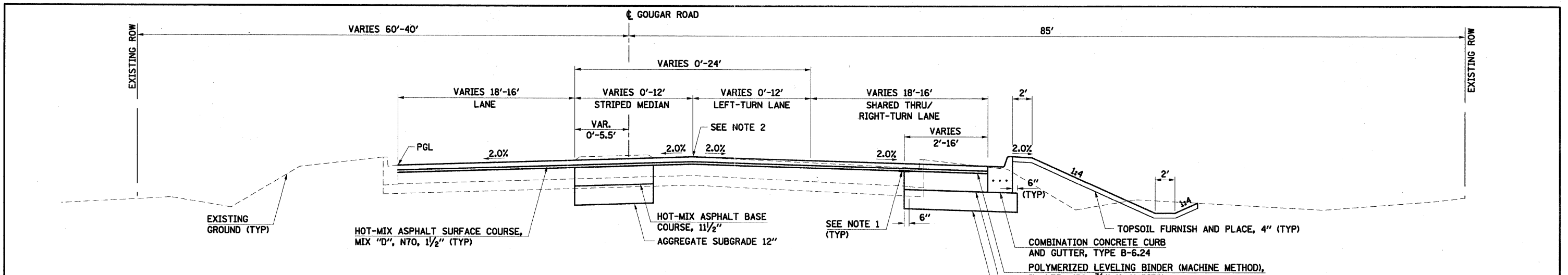
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USER NAME = RBawt	DESIGNED - BDC	REVISED -
PLOT SCALE = NONE	DRAWN - JAR	REVISED -
PLOT DATE = 11/8/2011	CHECKED - APS	REVISED -
	DATE - 11/8/11	REVISED -

**ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED ROADWAY IMPROVEMENTS
C.H. 52 (GOUGAR ROAD) AT U.S. ROUTE 30**

EXISTING TYPICAL SECTIONS	
SCALE: NONE	SHEET NO. 1 OF 4 SHEETS
STA.	TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
367	07-00154-11-TL	WILL	70	8
CONTRACT NO. 63597				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



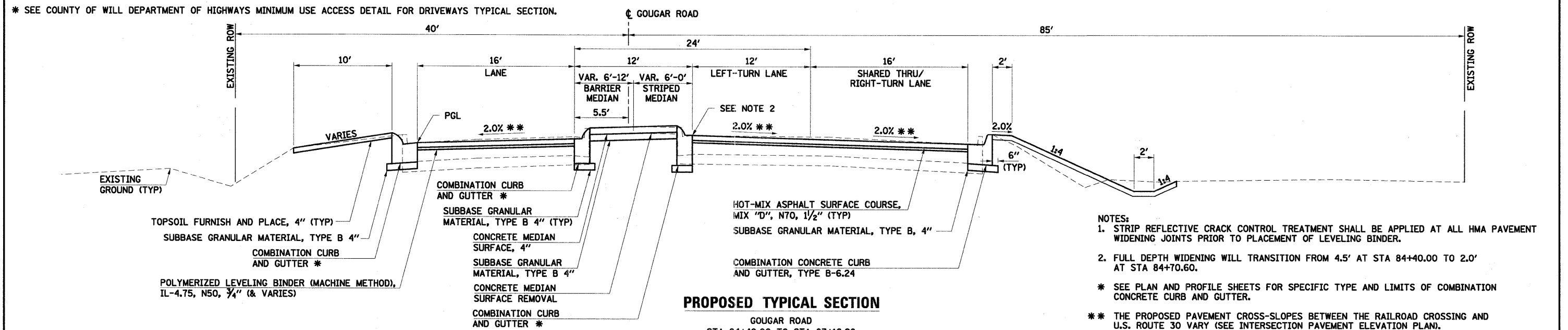
PROPOSED TYPICAL SECTION
 GOUGAR ROAD
 STA 79+49.00 TO STA 84+40.000

COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
 POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4" (& VARIES)
 HOT-MIX ASPHALT BASE COURSE, 1 1/2"
 AGGREGATE SUBGRADE 12"

- NOTES:**
1. STRIP REFLECTIVE CRACK CONTROL TREATMENT SHALL BE APPLIED AT ALL HMA PAVEMENT WIDENING JOINTS PRIOR TO PLACEMENT OF LEVELING BINDER.
 2. MAINTAIN EXISTING CROWN LOCATION FROM STA 79+49 TO STA 83+00. CROWN TRANSITIONS FROM STA 83+00 TO 2 1/2" AT STA 84+37 (CENTER OF PROPOSED CONCRETE MEDIAN).

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS
PAVEMENT RESURFACING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5 mm), 1 1/2"	4% @ 70 GYR.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4"	4% @ 50 GYR.
FULL DEPTH PAVEMENT	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5 mm), 1 1/2"	4% @ 70 GYR.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4" (& VARIES)	4% @ 50 GYR.
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19 mm), 1 1/2" (IN 4 LIFTS)	4% @ 70 GYR. (IN 4 LIFTS)
TEMPORARY RAMP (HMA BINDER IL-19 mm)	4% @ 70 GYR.
PAVEMENT WIDENING	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5 mm), 1 1/2"	4% @ 70 GYR.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50, 3/4" (& VARIES)	4% @ 50 GYR.
HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19 mm), 1 1/2" (IN 4 LIFTS)	4% @ 70 GYR. (IN 4 LIFTS)
TEMPORARY RAMP (HMA BINDER IL-19 mm)	4% @ 70 GYR.
HOT-MIX ASPHALT SHOULDERS (HMA BINDER IL-19 mm), 6" (IN 2 LIFTS)	2% @ 30 GYR. (IN 2 LIFTS)
DRIVEWAYS *	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL-9.5 mm), 2 1/2"	4% @ 50 GYR.
PATCHING	
CLASS D PATCHES, TYPE II, 12 INCH AND CLASS D PATCHES, TYPE III, 12 INCH (HMA BINDER IL-19 mm) (IN 4 LIFTS)	4% @ 70 GYR. (IN 4 LIFTS)

- NOTES:**
1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LB/SY/IN.
 2. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 70-22" AND FOR NON-POLYMERIZED HMA, THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP", SEE DISTRICT ONE SPECIAL PROVISIONS.
- * SEE COUNTY OF WILL DEPARTMENT OF HIGHWAYS MINIMUM USE ACCESS DETAIL FOR DRIVEWAYS TYPICAL SECTION.



PROPOSED TYPICAL SECTION
 GOUGAR ROAD
 STA 84+40.00 TO STA 87+16.26
 RAILROAD OMISSION: STA 86+34.07 TO STA 86+59.78
 U.S. ROUTE 30 OMISSION: STA 87+28.39 TO STA 88+00.29

- NOTES:**
1. STRIP REFLECTIVE CRACK CONTROL TREATMENT SHALL BE APPLIED AT ALL HMA PAVEMENT WIDENING JOINTS PRIOR TO PLACEMENT OF LEVELING BINDER.
 2. FULL DEPTH WIDENING WILL TRANSITION FROM 4.5' AT STA 84+40.00 TO 2.0' AT STA 84+70.60.
- * SEE PLAN AND PROFILE SHEETS FOR SPECIFIC TYPE AND LIMITS OF COMBINATION CONCRETE CURB AND GUTTER.
- ** THE PROPOSED PAVEMENT CROSS-SLOPES BETWEEN THE RAILROAD CROSSING AND U.S. ROUTE 30 VARY (SEE INTERSECTION PAVEMENT ELEVATION PLAN).

PROJECT CONTROL: BARRY D. DAVIS, P.E.
 DESIGNER: MICHAEL J. HANCOCK, P.E.
 CHECKER: JAMES R. HANCOCK, P.E.
 DATE: 11/8/2011

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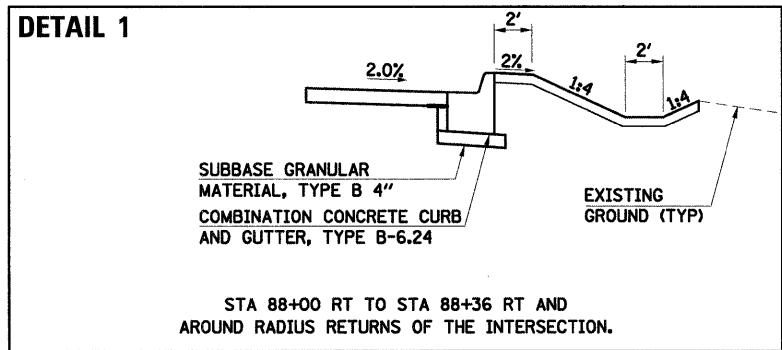
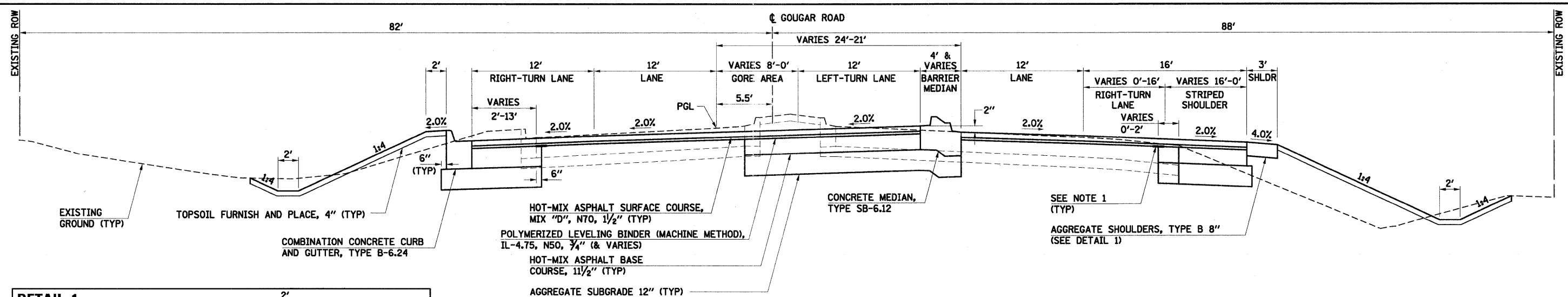
USER NAME = RBest	DESIGNED - BDC	REVISED -
PLOT SCALE = NONE	DRAWN - JAR	REVISED -
PLOT DATE = 11/8/2011	CHECKED - APS	REVISED -
	DATE - 11/8/11	REVISED -

ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED ROADWAY IMPROVEMENTS
C.H. 52 (GOUGAR ROAD) AT U.S. ROUTE 30

PROPOSED TYPICAL SECTIONS

SCALE: NONE SHEET NO. 2 OF 4 SHEETS STA. TO STA.

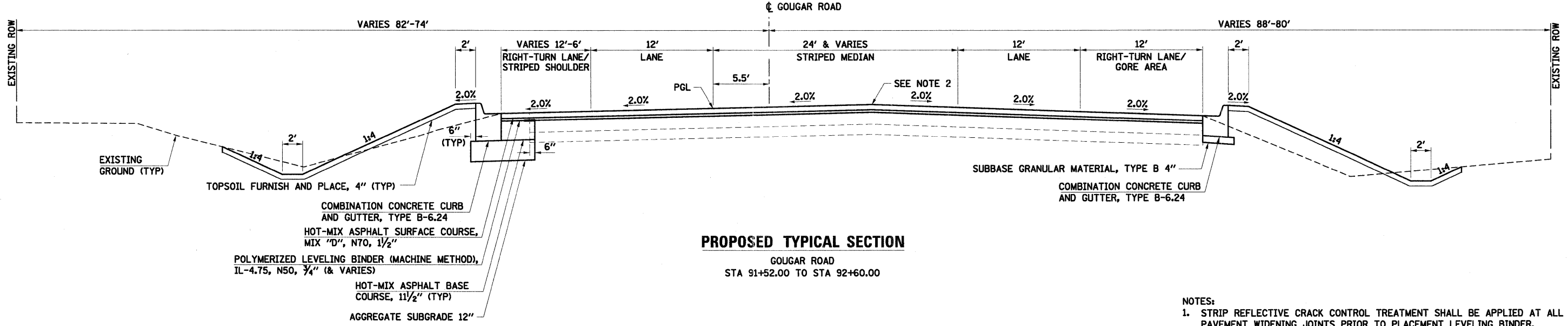
F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
367	07-00154-11-TL	WILL	70	9
CONTRACT NO. 63597				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



PROPOSED TYPICAL SECTION

GOUGAR ROAD
 STA 87+97.09 TO STA 91+52.00
 U.S. ROUTE 30 OMISSION: STA 87+28.39 TO STA 88+00.29

NOTES:
 1. STRIP REFLECTIVE CRACK CONTROL TREATMENT SHALL BE APPLIED AT ALL HMA PAVEMENT WIDENING JOINTS PRIOR TO PLACEMENT OF LEVELING BINDER.



PROPOSED TYPICAL SECTION

GOUGAR ROAD
 STA 91+52.00 TO STA 92+60.00

NOTES:
 1. STRIP REFLECTIVE CRACK CONTROL TREATMENT SHALL BE APPLIED AT ALL HMA PAVEMENT WIDENING JOINTS PRIOR TO PLACEMENT LEVELING BINDER.
 2. CROWN LOCATION FROM STA 91+52 TO STA 92+60 IS 10' RIGHT OF PROPOSED CENTERLINE.

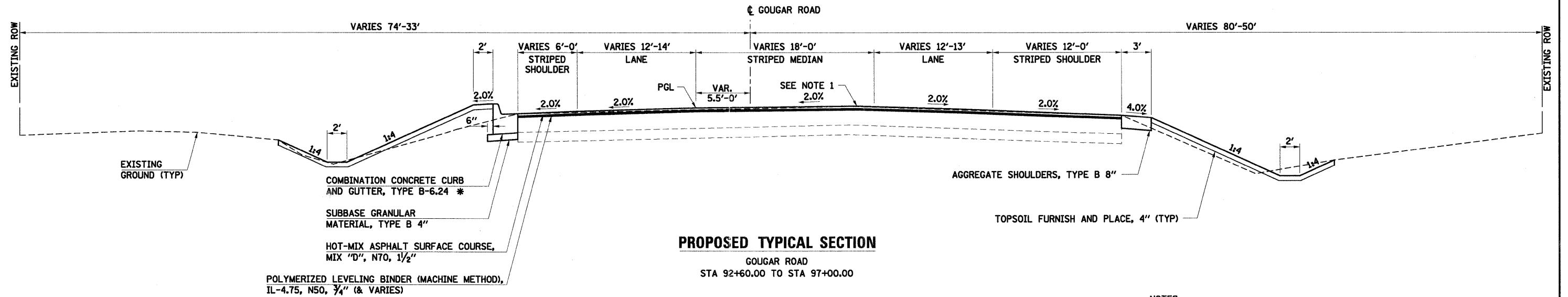
SEC Group, Inc.
 An IRI Group Company
 229 Alton Drive
 Skokie, Illinois 60076
 T 815.482.2024 F 815.482.2028
 WWW.SECGROUP.COM
 *McHenry, IL *Rockville, IL *New Lenox, IL *Chicago, IL

USER NAME = RBes-t	DESIGNED - BOC	REVISED -
PLOT SCALE = NONE	DRAWN - JAR	REVISED -
PLOT DATE = 11/8/2011	CHECKED - APS	REVISED -
	DATE - 11/8/11	REVISED -

ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED ROADWAY IMPROVEMENTS
C.H. 52 (GOUGAR ROAD) AT U.S. ROUTE 30

PROPOSED TYPICAL SECTIONS	
SCALE: NONE	SHEET NO. 3 OF 4 SHEETS
STA.	TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
367	07-00154-11-TL	WILL	70	10
CONTRACT NO. 63597				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



PROPOSED TYPICAL SECTION
 GOUGAR ROAD
 STA 92+60.00 TO STA 97+00.00

- NOTES:
 1. CROWN LOCATION IS 10' RIGHT OF PROPOSED CENTERLINE FROM STA 92+60 TO STA 93+51.52. CROWN LOCATION FOLLOWS THE SOUTHBOUND (WEST) EDGE OF STRIPED MEDIAN FROM STA 93+51.52 TO STA 97+00.
 * FROM STA 95+68.50 TO STA 97+00.00 LT, CONSTRUCT 3' AGGREGATE SHOULDERS, TYPE B 8".

PROJECT: COUNTY ROAD 10, JOLIET, ILL. DATE: 11/8/2011
 DRAWN: JAR, CHECKED: APS, DESIGNED: BDC
 PLOT DATE: 11/8/2011

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USER NAME = RDesr	DESIGNED - BDC	REVISED -
PLOT SCALE = NONE	DRAWN - JAR	REVISED -
PLOT DATE = 11/8/2011	CHECKED - APS	REVISED -
	DATE - 11/8/11	REVISED -

ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED ROADWAY IMPROVEMENTS
C.H. 52 (GOUGAR ROAD) AT U.S. ROUTE 30

PROPOSED TYPICAL SECTIONS	
SCALE: NONE	SHEET NO. 4 OF 4 SHEETS
STA.	TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
367	07-00154-11-TL	WILL	70	11
CONTRACT NO. 63597				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

LOCATION	PAVEMENT MARKING TAPE, TYPE III				WORK ZONE PAVEMENT MARKING REMOVAL (SQ FT)	SHORT-TERM PAVEMENT MARKING (FOOT)
	LETTERS AND SYMBOLS (SQ FT)	4" (FOOT)	6" (FOOT)	8" (FOOT)		
GOUGAR ROAD						
STAGE I						
STA 79+49.00 TO STA 86+21.84	134.6	3,135	138		48	1,344
STA 86+47.71 TO STA 87+16.26		114		176		155
STA 87+97.09 TO STA 97+00.00	97.5	3,597		678	36	1,821
SUBTOTAL STAGE I						
STAGE II						
STA 79+49.00 TO STA 86+21.84	195.0	1,272	236		48	833
STA 86+47.71 TO STA 87+16.26		138	68	132	12	192
STA 87+97.09 TO STA 97+00.00	166.8	2,388	580	240	48	1,509
SUBTOTAL STAGE II						
STAGE III						
STA 79+49.00 TO STA 86+21.84						288
STA 86+47.71 TO STA 87+16.26						80
STA 87+97.09 TO STA 97+00.00						476
STAGE III						
TOTAL	594	10,644	1,022	1,226	192	5,854

LOCATION	EARTH EXCAVATION (CU YD)	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (15%) (CU YD)	EMBANKMENT (CU YD)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU YD)	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL (CU YD)	POROUS GRANULAR EMBANKMENT SUBGRADE (CU YD)
GOUGAR ROAD						
STA 79+49.00 TO STA 86+21.61	1146	974	621	352	66	66
STA 86+26.00 TO STA 87+16.26	74	63	43	20	4	4
STA 87+58.14 TO STA 97+00.00	1470	1250	273	977	72	72
TOTAL	2690	2286	937	1349	142	142

SHRINKAGE FACTORS

EARTH EXCAVATION 15%

NOTE:

CUTS AND FILLS HAVE BEEN ADJUSTED FOR TOPSOIL PLACEMENT.

*QUANTITY INCLUDES STRIPING OF MAINLINE TO PT OF SIDE ROAD.

**REMOVAL OF WORK ZONE PAVEMENT MARKINGS FROM STAGE 3 (INCLUDES REMOVAL OF SHORT-TERM MARKINGS PRIOR TO PLACEMENT OF PERMANENT STRIPING).

***AT THE CONCLUSION OF STAGE 2, THE PERMANENT PAVEMENT MARKING SHALL BE INSTALLED ON U.S. ROUTE 34 (SEE PAVEMENT MARKING AND SIGNAGE PLAN).

**ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED ROADWAY IMPROVEMENTS
C.H. 52 (GOUGAR ROAD) AT U.S. ROUTE 30**

SCHEDULE OF QUANTITIES

SCALE: NONE SHEET NO. 1 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
367	07-00154-11-TL	WILL	70	12
FED. ROAD DIST. NO.				ILLINOIS FED. AID PROJECT
CONTRACT NO. 63597				

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USER NAME = RBest	DESIGNED - BDC	REVISED -
PLOT SCALE = NONE	DRAWN - RCB	REVISED -
PLOT DATE = 11/8/2011	CHECKED - APS	REVISED -
	DATE - 11/8/11	REVISED -

PROJECT: C.H. 52, IRI, C. 2011, P.L.
 DRAWING: ROADWAY IMPROVEMENTS
 SHEET: 12 OF 12
 DATE: 11/8/2011

LOCATION	SUBBASE GRANULAR MATERIAL TYPE B 4" (SQ YD)	STRIP REFLECTIVE CRACK CONTROL TREATMENT (FOOT)	HMA SURFACE COURSE MIX "D" N70 (TON)	POLYMERIZED LEVELING BINDER MACHINE METHOD, N50 (TON)	BITUMINOUS MATERIALS PRIME COAT (GAL)	AGGREGATE PRIME COAT (TON)	HMA BASE COURSE 11-1/2" (SQ YD)	AGGREGATE SUBGRADE 12" (SQ YD)	AGGREGATE SHOULDERS TYPE B 8" (SQ YD)	HOT-MIX ASPHALT SHOULDERS 6" (SQ YD)	HMA SURFACE REMOVAL VARIABLE DEPTH (SQ YD)	PAVEMENT REMOVAL (SQ YD)	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT (SQ YD)	PAVED SHOULDER REMOVAL (SQ YD)	CLASS D PATCHES TYPE II 12 INCH (SQ YD)	CLASS D PATCHES TYPE III 12 INCH (SQ YD)	DRIVEWAY PAVEMENT REMOVAL (SQ YD)
GOUGAR ROAD																	
STA 79+49.00 TO STA 86+21.84	330	751	293	176	853	14	620	785		40	2,976	51	54	32	13	37	
STA 86+47.71 TO STA 87+16.26	94	115	68	41	184	3	87	87			731	6	141				
STA 87+97.09 TO STA 97+00.00	277	1,301	507	304	1,535	24	1,317	1,670	300		4,797	497	114		19		
DRIVEWAYS*			109		194			887									776
TOTAL	701	2,167	977	521	2,766	41	2,024	3,429	300	40	8,504	554	309	32	32	37	776

*SEE DRIVEWAY SCHEDULE FOR INDIVIDUAL DRIVEWAY QUANTITIES.
HMA Calculation: (SYD)*(112 lb/SYD*IN)*(IN thickness)*(1 Ton/2000 lb) = Tons
BIT MATERIALS (PRIME COAT) Calculation: (SY)*.1 Gal/SY FOR HMA AND .25 Gal/SY for Agg. Base
AGG (PRIME COAT) Calculation: (SY)*4 LB/SY/2000LB/TON

LOCATION	TEMPORARY ACCESS (PRIVATE ENTRANCE) (EACH)	TEMPORARY ACCESS (COMMERCIAL ENTRANCE) (EACH)	COMBINATION CURB AND GUTTER REMOVAL (FOOT)			COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.12 (FOOT)			COMBINATION CONCRETE CURB AND GUTTER TYPE B-6.24 (FOOT)			COMBINATION CONCRETE CURB AND GUTTER TYPE M-4.12 (FOOT)			COMBINATION CONCRETE CURB AND GUTTER TYPE M-4.24 (FOOT)			CONCRETE MEDIAN SURFACE REMOVAL (SQ FT)	CORRUGATED MEDIAN REMOVAL (SQ FT)	CONCRETE MEDIAN SURFACE 4 INCH (SQ FT)	CONCRETE MEDIAN TYPE SB-6.12 (SQ FT)	P.C.C. RAMPED MEDIAN TERMINAL (EACH)		
			LEFT	CENTER	RIGHT	LEFT	CENTER	RIGHT	LEFT	CENTER	RIGHT	LEFT	CENTER	RIGHT	LEFT	CENTER	RIGHT							
GOUGAR ROAD																								
STA 79+49.00 TO STA 86+21.84				164	372	559	279		73		653		92		99		1173	703	1227				1	
STA 86+47.71 TO STA 87+16.26					115	188	53			79		61				939	371	371				1		
STA 87+97.09 TO STA 97+00.00				704	674	359			118	799	140					2857	624	650	1597			2		
DRIVEWAYS*	1	5									305													
TOTAL	1	5		3,135		450		2,049		153		99			4,969	1,327	2,248	1,597				4		

*SEE DRIVEWAY SCHEDULE FOR INDIVIDUAL DRIVEWAY QUANTITIES.
HMA Calculation: (SYD)*(112 lb/SYD*IN)*(IN thickness)*(1 Ton/2000 lb) = Tons
BIT MATERIALS (PRIME COAT) Calculation: (SY)*.1 Gal/SY FOR HMA AND .25 Gal/SY for Agg. Base
AGG (PRIME COAT) Calculation: (SY)*4 LB/SY/2000LB/TON

DRIVEWAY LOCATION	HMA SURFACE COURSE MIX "D" N50 (TON)	AGGREGATE SUBGRADE 12" (SQ YD)	BITUMINOUS MATERIALS PRIME COAT (GAL)	DRIVEWAY PAVEMENT REMOVAL (SQ YD)	TEMPORARY ACCESS PRIVATE ENTRANCE (EACH)	TEMPORARY ACCESS COMMERCIAL ENTRANCE (EACH)
GOUGAR ROAD						
82+31 RT - PE	16	114	29	113	1	
85+32 RT - CE	11	75	19	46		1
92+25 LT - CE	33	278	60	251		1
92+30 RT - CE**						
93+50 LT - CE	22	198	40	175		1
95+30 LT - CE	18	161	32	147		1
96+31 RT - CE	9	61	15	44		1
SUBTOTAL - DRIVEWAYS	109	887	194	776	1	5

** RIGHT IN/RIGHT OUT TO BE MILLED AND OVERLAYED ONLY, QUANTITY INCLUDED IN OVERALL PAVEMENT QUANTITY

ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED ROADWAY IMPROVEMENTS
C.H. 52 (GOUGAR ROAD) AT U.S. ROUTE 30

SCHEDULE OF QUANTITIES

SCALE: NONE SHEET NO. 2 OF 4 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
367	07-00154-11-TL	WILL	70	13
CONTRACT NO. 63597				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

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USER NAME = RBCsl
DESIGNED - BOC
DRAWN - RCB
CHECKED - APS
DATE - 11/8/11

PROJECT: C.H. 52, ILLINOIS DEPT. OF TRANSPORTATION
FILE NUMBER: 07-00154-11-TL
DATE: 11/8/11

LOCATION	CATCH BASINS TYPE A 4" DIAMETER TYPE 24 FRAME AND GRATE (EACH)	INLETS TYPE A TYPE 24 FRAME AND GRATE (EACH)	STORM SEWERS CLASS A TYPE 1 12" (FOOT)	PRECAST REINFORCED CONCRETE FLARED END SECTIONS		GRATING FOR CONCRETE FLARED END SECTION 24" (EACH)	STEEL END SECTIONS		PIPE CULVERTS CLASS D TYPE 1		PIPE CULVERTS CLASS A TYPE 1
				ROUND			ROUND		18" (FOOT)	24" (FOOT)	24" (FOOT)
				12" (EACH)	24" (EACH)		18" (EACH)	24" (EACH)			
GOUGAR ROAD											
80+55.57 RT TO 80+56.00 RT			3								
80+56.00 RT TO 80+56.00 RT	1		30	1							
80+56.00 RT TO 80+62.00 RT		1	3								
81+70.00 RT TO 81+70.00 RT	1		36	1							
82+10.00 RT TO 82+50.00 RT							2		40		
82+85.00 LT TO 82+85.00 RT	1	1	76	1							
84+80.00 LT TO 84+80.00 RT	1	1	76	1							
88+06.71 RT	1										
88+50.70 LT TO 88+95.00 LT		1	37	1							
89+00.56 LT TO 89+00.56 RT					1						116
90+00.00 LT TO 90+00.00 LT		1	23	1							
91+42.00 LT TO 91+42.00 LT		1	16	1							
91+50.00 LT TO 92+66.00 LT											
92+30.00 RT TO 92+73.43 RT		1	44				2			116	
92+70.00 LT TO 92+70.00 LT		1	14	1							
92+73.43 RT TO 92+86.00 RT	1		10	1							
93+18.00 LT TO 93+84.00 LT							2			75	
93+89.00 LT TO 93+89.00 LT		1	13	1							
94+90.00 LT TO 95+70.00 LT							2			80	
96+10.00 RT TO 96+50.00 RT							2			40	
TOTAL	6	9	381	10	1	1	2	8	40	311	116

LOCATION	THERMOPLASTIC PAVEMENT MARKING						PAINT PAVEMENT MARKING - LINE 4" (FOOT)	RAISED REFLECTIVE PAVEMENT MARKERS (EACH)	PAVEMENT MARKING REMOVAL (SQ FT)
	LETTERS AND SYMBOLS (SQ FT)	LINE 4"	LINE 6"	LINE 8"	LINE 12"	LINE 24"			
GOUGAR ROAD									
STA 79+49.00 TO STA 86+21.84	195.2	3459	1022		110	72	265	45	691
STA 86+47.71 TO STA 87+16.26	15.6	251	680	249	133	82	140	2	397
STA 87+97.09 TO STA 97+00.00	243.2	3617	1214	342	783	76	653	69	1975
TOTAL	454	7327	2916	591	1026	230	1058	116	3063

LOCATION	STANDARD NUMBER (NEW) DESCRIPTION (EXISTING)	SIGN PANEL TYPE 1 (SQ FT)	RELOCATE SIGN PANEL ASSEMBLY TYPE A (EACH)	RELOCATE SIGN PANEL ASSEMBLY TYPE B (EACH)	TELESCOPING STEEL SIGN SUPPORT (FOOT)	BASE FOR TELESCOPING STEEL SIGN SUPPORT (EACH)	SIGN PLACEMENT HEIGHT ABOVE EDGE OF PAVEMENT (FOOT)	CENTERLINE OFFSET
GOUGAR ROAD								
83+85.00 RT	W10-1-3636	7.07			26.0	2	7.0	43
84+50.00 RT	D9-2-2424	4.00			14.0	1	7.5	43
84+50.00 RT	M6-1-2115	2.19			14.0	1	6.5	43
85+00.00 LT	R2-1-2430	5.00			13.0	1	7.0	30
85+55.00 LT	R8-8-2430	5.00			14.5	1	8.5	3
85+55.00 LT	R10-6A-2436	6.00			13.0	1	6.0	3
85+60.00 RT	R8-8-2430	5.00			14.5	1	8.5	43
85+60.00 RT	W10-165-3030	6.25			13.0	1	6.0	43
85+60.00 RT	R10-11-2430	6.00			13.0	1	7.0	45
86+35.00 RT	R8-8-2430	5.00			13.0	1	8.5	49
86+80.00 LT	R8-8-2430	5.00			13.0	1	8.5	2
88+72.00 RT	R3-5R-3036	7.50			26.0	2	7.0	55.5
89+50.00 LT	W10-1-3636	7.07			26.0	2	7.0	38
90+00.00 LT	D9-2-2424	4.00			14.0	1	7.5	38
90+00.00 LT	M6-1-2115	2.19			14.0	1	6.0	38
90+00.00 RT	R2-1-2430	5.00			13.0	1	7.0	55.5
90+77.00 RT	W11-10-3030	6.25			13.0	1	7.0	55.5
91+00.00 LT	M4-5-2412	2.00			15.0	1	9.5	38
91+00.00 LT	M1-1-2424	4.00			15.0	1	7.5	38
91+00.00 LT	M6-1-2115	2.19			15.0	1	6.0	38
91+25.00 RT	W11-2-3030	6.25			13.0	1	7.0	53
91+52.00 LT	R3-5R-3036	7.50			26.0	2	7.0	38
91+95.00 LT	R1-1-3030	6.25			13.0	1	7.0	38
92+05.05 LT	PRIVATE PARKING			1				39
92+10.00 RT	PRIVATE PROPERTY FOR USE OF PROVIDENCE STUDENTS ONLY		1		14.0	1	6.5	39
92+10.00 RT	R3-2-2424	4.00			14.0	1	7.5	39
92+30.00 RT	R4-7A-2430	5.00			13.0	1	7.0	62
92+46.00 RT	R5-1-3030	6.25			13.0	1	7.0	40
92+59.03 LT	DO NOT BLOCK DRIVEWAY 24 HOUR ACCESS REQUIRED		1		13.0	1	6.0	30
92+66.00 RT	R1-1-3030	6.25			30.0	2	8.5	50
92+66.00 RT	R3-5R-3036	7.50			30.0	2	6.0	50
93+22.00 LT	STOP SIGN / THANK YOU BUCKLE UP		1		13.0	1	7.0	33
93+78.51 LT	SHIPPING AND RECEIVING			1				59
93+81.16 LT	DO NOT BLOCK DRIVEWAY 24 HOUR ACCESS REQUIRED		1		13.0	1	6.0	29
95+00.00 LT	STOP SIGN / THANK YOU BUCKLE UP		1		13.0	1	7.0	29
95+50.16 RT	CROSSWALK / FLASHING LIGHT / SOLAR POWER ASSEMBLY		1					29
95+71.24 LT	CROSSWALK / FLASHING LIGHT / SOLAR POWER ASSEMBLY		1					25.5
98+00.00 LT	W11-2-3030	6.25			13.0	1	7.0	23.5
U.S. ROUTE 30								
277+91.00 LT	R3-5R-3036	7.50			26.0	2	7.0	51
TOTAL		160	7	2	569	42		

ALL EXISTING SIGNS TO BE RELOCATED SHALL BE MOUNTED ON NEW METAL POSTS.

**ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED ROADWAY IMPROVEMENTS
C.H. 52 (GOUGAR ROAD) AT U.S. ROUTE 30**

SCHEDULE OF QUANTITIES

SCALE: NONE SHEET NO. 3 OF 4 SHEETS STA. TO STA.

F.A.U RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
367	07-00154-11-TL	WILL	70	14

CONTRACT NO. 63597

SEC Group, Inc.
 Illinois Professional Design Firm # 154-000108
 An HDR Group Company
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 New Lenox, Illinois 80501
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 www.secgroup.com
 *Member of the HDR Group, Inc. - New Lenox, IL - Chicago, IL

USER NAME = RBest	DESIGNED - BDC	REVISED -
PLOT SCALE = NONE	DRAWN - RCB	REVISED -
PLOT DATE = 11/8/2011	CHECKED - APS	REVISED -
	DATE - 11/8/11	REVISED -

LOCATION	TREE REMOVAL (OVER 15 UNITS DIAMETER) (UNIT)
GOUGAR ROAD	
STA 82+12.53 49.9' RT	18
STA 82+49.31 48.0' LT	24
TOTAL	42

LOCATION	TEMPORARY DITCH CHECKS (FOOT)	PERIMETER EROSION BARRIER (FOOT)	INLET AND PIPE PROTECTION (EACH)	INLET FILTERS (EACH)	STONE RIPRAP CLASS A4 (SQ YD)	FILTER FABRIC (SQ YD)	EROSION CONTROL BLANKET (SQ YD)	TEMPORARY EROSION CONTROL SEEDING (POUND)
GOUGAR ROAD								
STA 79+49.00 TO STA 86+21.84	28	929	1	10			4,978	103
STA 86+47.71 TO STA 87+16.26		105					176	4
STA 87+97.09 TO STA 97+00.00	84	1,669	6	10	28	28	7,617	158
TOTAL	112	2,703	7	20	28	28	12,771	265

LOCATION	CONCRETE HEADWALL REMOVAL (EACH)
GOUGAR ROAD	
STA 84+71.60 62.0' RT	1
STA 89+00.56 53.5' RT	1
TOTAL	2

LOCATION	PIPE CULVERT REMOVAL (FOOT)
GOUGAR ROAD	
STA 82+30.00 47.0' RT	36
STA 92+31.00 41.5' LT	69
STA 93+51.00 40.0' LT	64
STA 95+30.00 34.5' LT	79
STA 96+30.00 30.0' RT	32
TOTAL	280

LOCATION	STORM SEWER REMOVAL 12" (FOOT)
GOUGAR ROAD	
STA 80+55.57 TO STA 80+64.86 RT	10
STA 80+55.57 TO STA 80+54.56 RT	27
STA 81+70.00 TO STA 81+70.01 RT	28
STA 84+77.04 TO STA 84+71.55 LT/RT	85
STA 89+00.86 TO STA 89+08.91 RT	8
TOTAL	158

LOCATION	CONTROLLED LOW-STRENGTH MATERIAL (CU YD)
GOUGAR ROAD	
STA 80+55.57 TO STA 80+56.00 RT	16
STA 81+70.00 TO STA 81+70.00 RT	23
STA 82+85.00 TO STA 82+85.00 LT/RT	59
STA 84+80.00 TO STA 84+80.00 LT/RT	63
STA 91+96.00 TO STA 92+66.00 LT	78
STA 92+30.00 TO STA 92+73.43 RT	49
STA 93+18.00 TO STA 93+84.00 LT	74
STA 94+90.00 TO STA 95+70.00 LT	89
STA 96+10.00 TO STA 96+50.00 RT	45
TOTAL	496

LOCATION	INLETS TO BE ADJUSTED (EACH)
GOUGAR ROAD	
STA 87+82.09 33.3' RT	1
STA 87+95.43 12.2' RT	1
TOTAL	2

LOCATION	REMOVING CATCH BASINS (EACH)
GOUGAR ROAD	
STA 80+55.57 17.7' RT	1
STA 81+70.00 17.8' RT	1
TOTAL	2

LOCATION	REMOVING INLETS (EACH)
GOUGAR ROAD	
STA 80+64.86 17.7' RT	1
STA 84+73.24 37.0' RT	1
STA 84+77.04 23.1' LT	1
STA 89+08.91 1.3' RT	1
TOTAL	4

LOCATION	GUARDRAIL REMOVAL (FOOT)	STEEL PLATE BEAM GUARDRAIL TYPE A 6 FOOT POSTS (FOOT)	TRAFFIC BARRIER TERMINAL TYPE 6 (EACH)	TRAFFIC BARRIER TERMINAL TYPE 1 (SPECIAL) TANGENT (EACH)	GUARDRAIL MARKERS TYPE A (EACH)	TERMINAL MARKER - DIRECT APPLIED (EACH)
GOUGAR ROAD						
STA 79+18.04 TO STA 80+12.70 RT	95					
STA 79+49.00 TO STA 86+21.61		62.5	1	1	4	1
STA 86+26.00 TO STA 87+16.26						
STA 87+58.14 TO STA 97+00.00						
TOTAL	95	62.5	1	1	4	1

LOCATION	TOPSOIL FURNISH AND PLACE 4" (SQ YD)	SEEDING CLASS 2A (ACRE)	NITROGEN FERTILIZER NUTRIENT (POUND)	PHOSPHOROUS FERTILIZER NUTRIENT (POUND)	POTASSIUM FERTILIZER NUTRIENT (POUND)
GOUGAR ROAD					
STA 79+49.00 TO STA 86+21.84	4978	1.03	92.7	92.7	92.7
STA 86+47.71 TO STA 87+16.26	176	0.04	3.6	3.6	3.6
STA 87+97.09 TO STA 97+00.00	7617	1.58	142.2	142.2	142.2
TOTAL	12,771	2.65	239	239	239

**ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED ROADWAY IMPROVEMENTS
C.H. 52 (GOUGAR ROAD) AT U.S. ROUTE 30**

SCHEDULE OF QUANTITIES

SCALE: NONE SHEET NO. 4 OF 4 SHEETS STA. TO STA.

F.A.U RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
367	07-00154-11-TL	WILL	70	15

CONTRACT NO. 63597

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

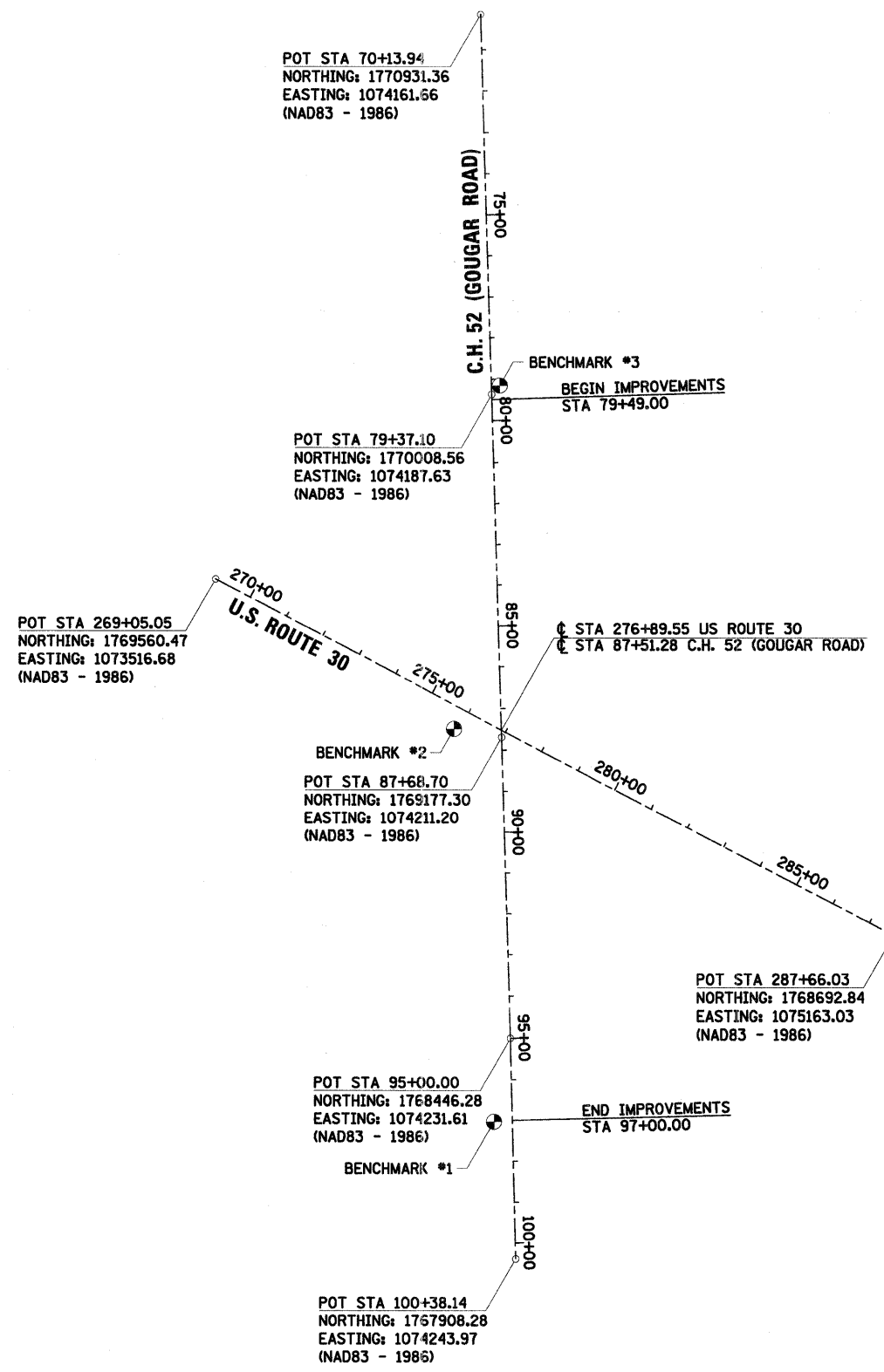
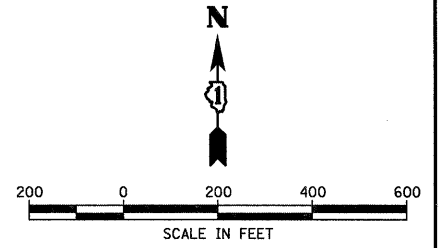
SEC Group, Inc. 325 Alana Drive, Hunt, Illinois 60141
 Tel: 815.462.8224 Fax: 815.462.8228
 www.secgroupinc.com
 *McHenry, IL *Morton, IL *New Lenox, IL *Chicago, IL

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USER NAME = RB000
 PLOT SCALE = NONE
 PLOT DATE = 11/8/2011

DESIGNED - BDC
 DRAWN - RCB
 CHECKED - APS
 DATE - 11/8/11

REVISED -
 REVISED -
 REVISED -
 REVISED -



BENCHMARKS

- BENCHMARK #1:**
 SQUARE CUT IN THE SOUTHEAST CORNER OF THE FOOTING FOR THE "CHURCH OF CHRIST" BRICK MONUMENT SIGN LOCATED AT THE NORTHWEST CORNER OF GOUGAR ROAD AND LANCASTER DRIVE.
 NORTHING: 1768243.17 (NAD 83)
 EASTING: 1074191.56 (NAD 83)
 ELEVATION: 616.42 (NAVD 88)
- BENCHMARK #2:**
 SQUARE FOUND IN THE SOUTHWEST CORNER OF THE CONCRETE PAD FOR THE I.D.O.T. TRAFFIC SIGNAL CONTROL CABINET LOCATED AT THE SOUTHWEST CORNER OF GOUGAR ROAD AND U.S. ROUTE 30.
 NORTHING: 1769197.68 (NAD 83)
 EASTING: 1074095.45 (NAD 83)
 ELEVATION: 612.86 (NAVD 88)
- BENCHMARK #3:**
 SQUARE CUT ON THE SOUTHEAST WINGWALL OF THE BRIDGE ALONG GOUGAR ROAD OVER HICKORY CREEK, WHICH LIES APPROXIMATELY 900 FEET NORTH OF U.S. ROUTE 30.
 NORTHING: 1770030.37 (NAD 83)
 EASTING: 1074207.50 (NAD 83)
 ELEVATION: 610.57 (NAVD 88)

PROJECT CONTACT: BRUCE G. CARL, P.E.
 PROJECT MANAGER: GARY J. WILSON, P.E.
 DATE PLOTTED: 11/08/2011 10:02:31 AM

SEC Group, Inc.
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 323 Alamo Drive
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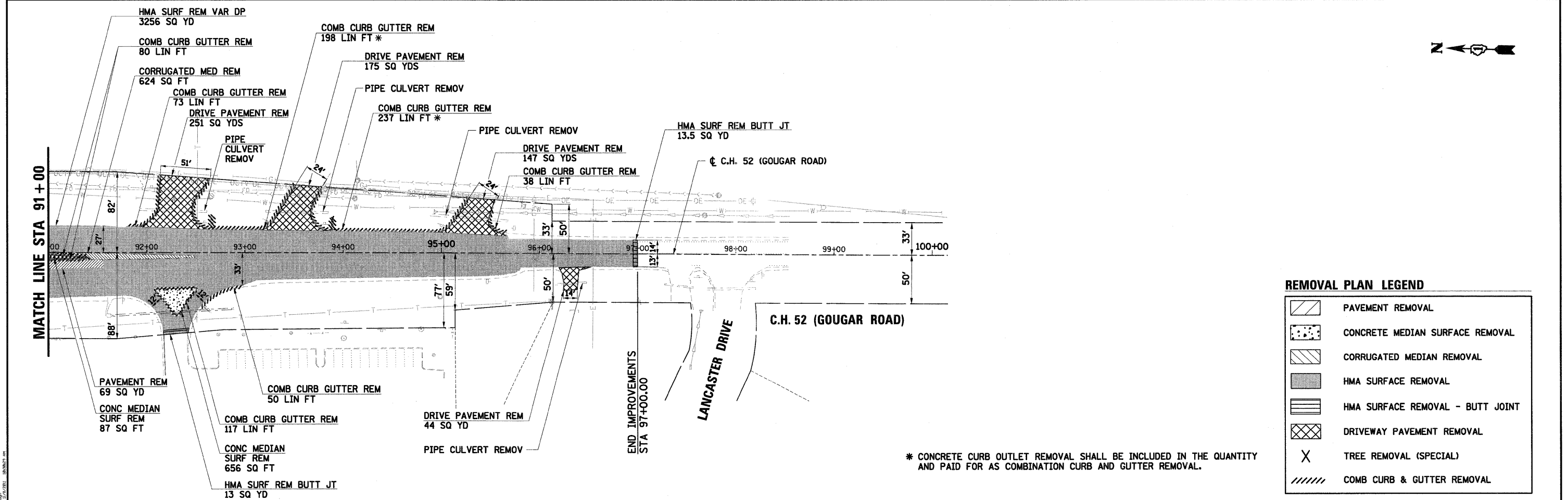
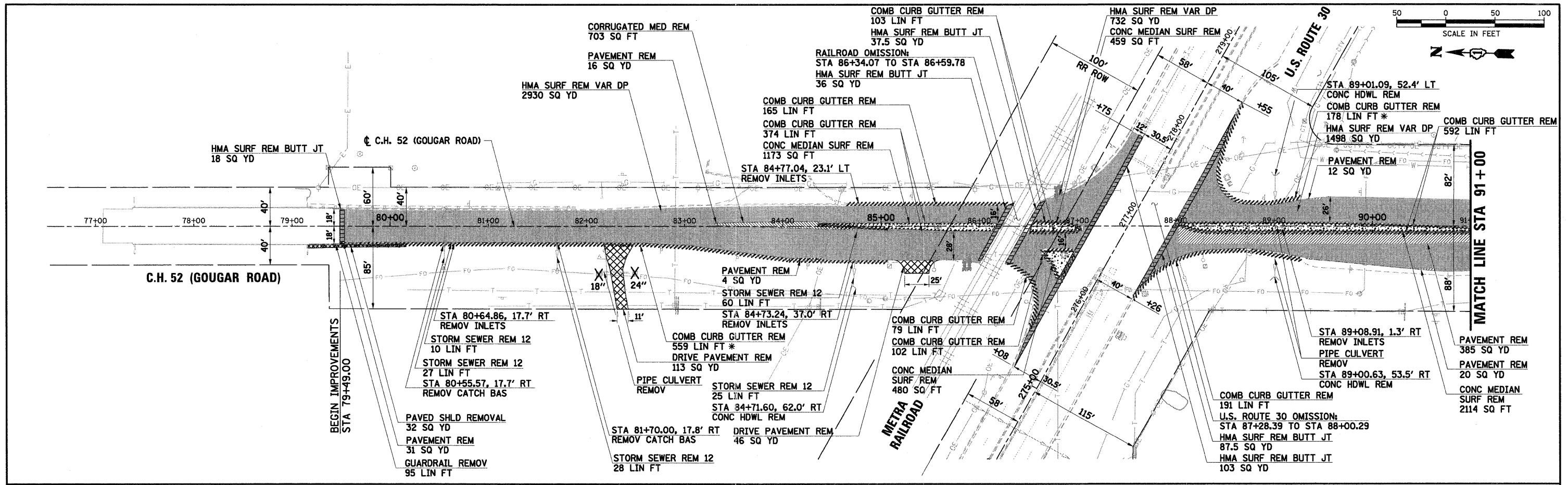
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PLOT SCALE = 1" = 200'	DRAWN - RCB	REVISED -
PLOT DATE = 11/8/2011	CHECKED - APS	REVISED -
	DATE - 11/8/11	REVISED -

**ILLINOIS DEPARTMENT OF TRANSPORTATION
 PROPOSED ROADWAY IMPROVEMENTS
 C.H. 52 (GOUGAR ROAD) AT U.S. ROUTE 30**

ALIGNMENT AND BENCHMARKS

SCALE: 1" = 200' SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
367	07-00154-11-TL	WILL	70	16
CONTRACT NO. 63597				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



SEC Group, Inc.
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 New Lenox, Illinois 60451
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USER NAME = RBear	DESIGNED - BDC	REVISED -
PLOT SCALE = 1" = 50'	DRAWN - JAR	REVISED -
PLOT DATE = 11/8/2011	CHECKED - APS	REVISED -
	DATE - 11/8/11	REVISED -

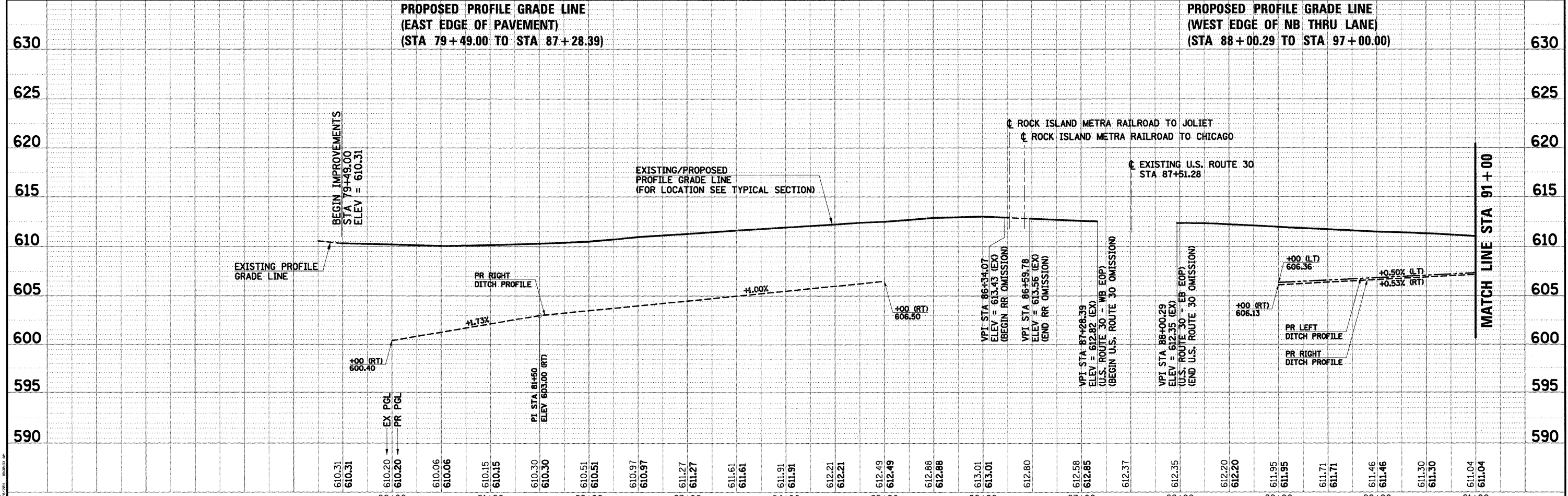
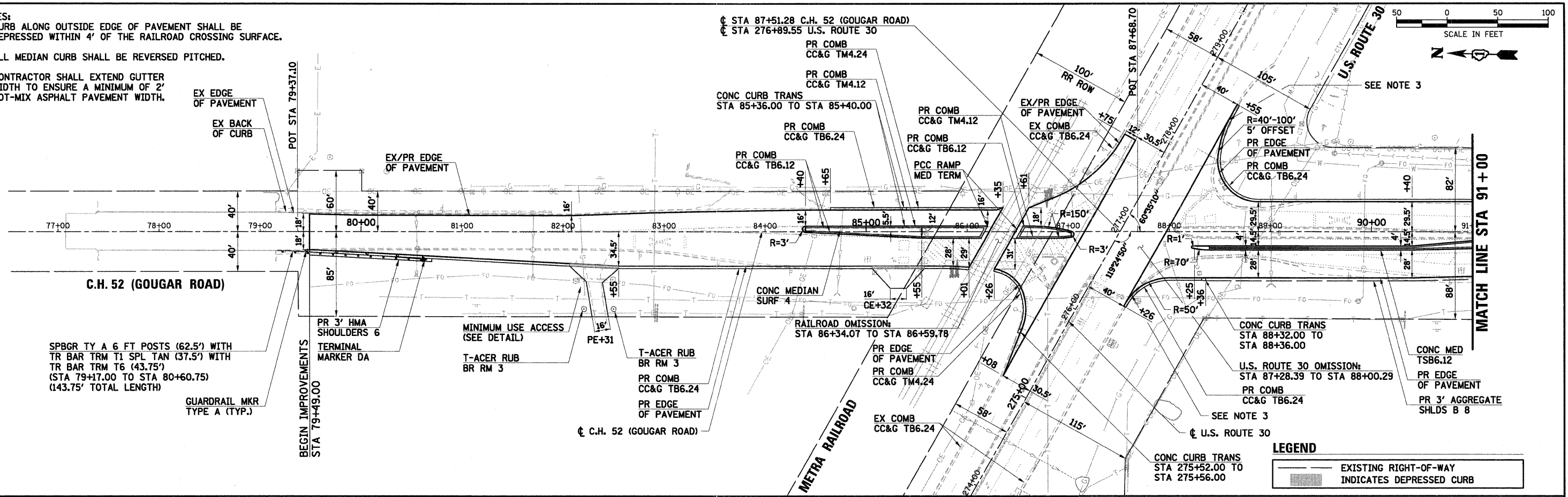
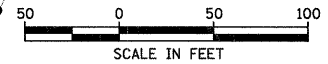
**ILLINOIS DEPARTMENT OF TRANSPORTATION
 PROPOSED ROADWAY IMPROVEMENTS
 C.H. 52 (GOUGAR ROAD) AT U.S. ROUTE 30**

REMOVAL PLAN	
SCALE: 1" = 50'	SHEET NO. OF SHEETS STA. TO STA.

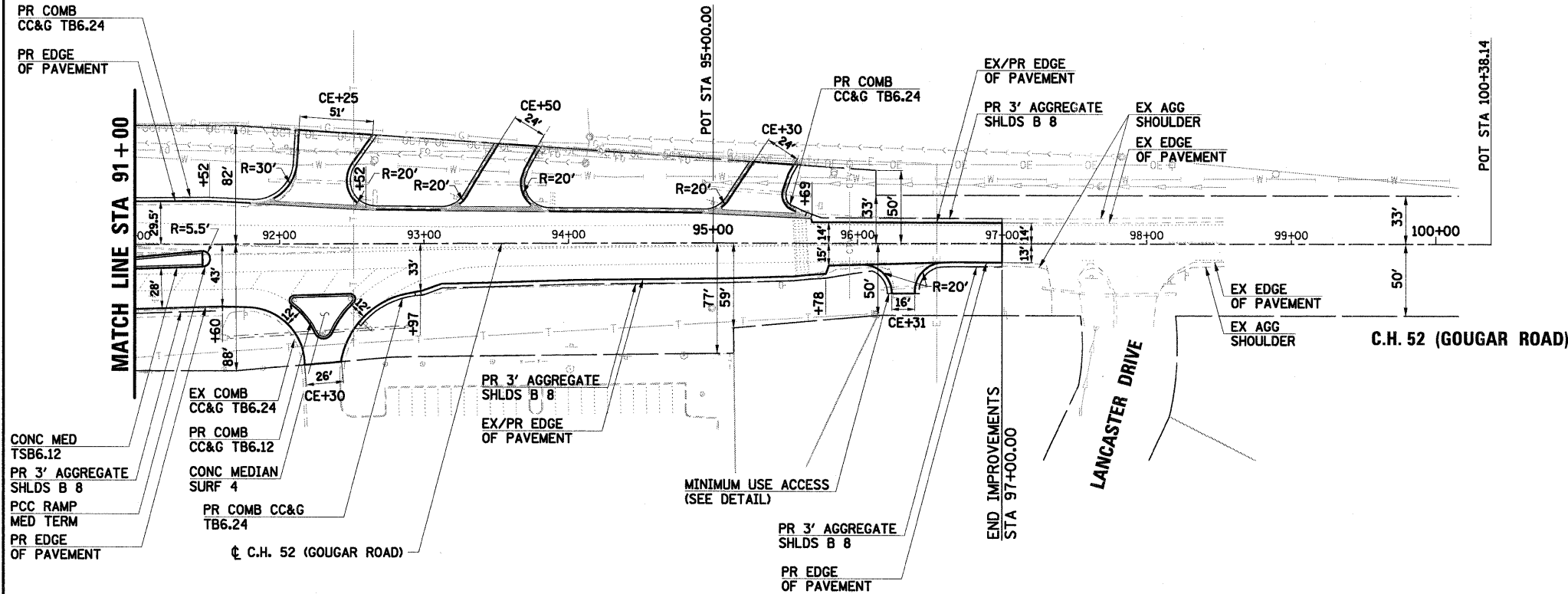
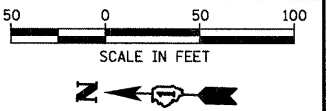
F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
367	07-00154-11-TL	WILL	70	17
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

CONTRACT NO. 63597

- NOTES:
- CURB ALONG OUTSIDE EDGE OF PAVEMENT SHALL BE DEPRESSED WITHIN 4' OF THE RAILROAD CROSSING SURFACE.
 - ALL MEDIAN CURB SHALL BE REVERSED PITCHED.
 - CONTRACTOR SHALL EXTEND GUTTER WIDTH TO ENSURE A MINIMUM OF 2' HOT-MIX ASPHALT PAVEMENT WIDTH.



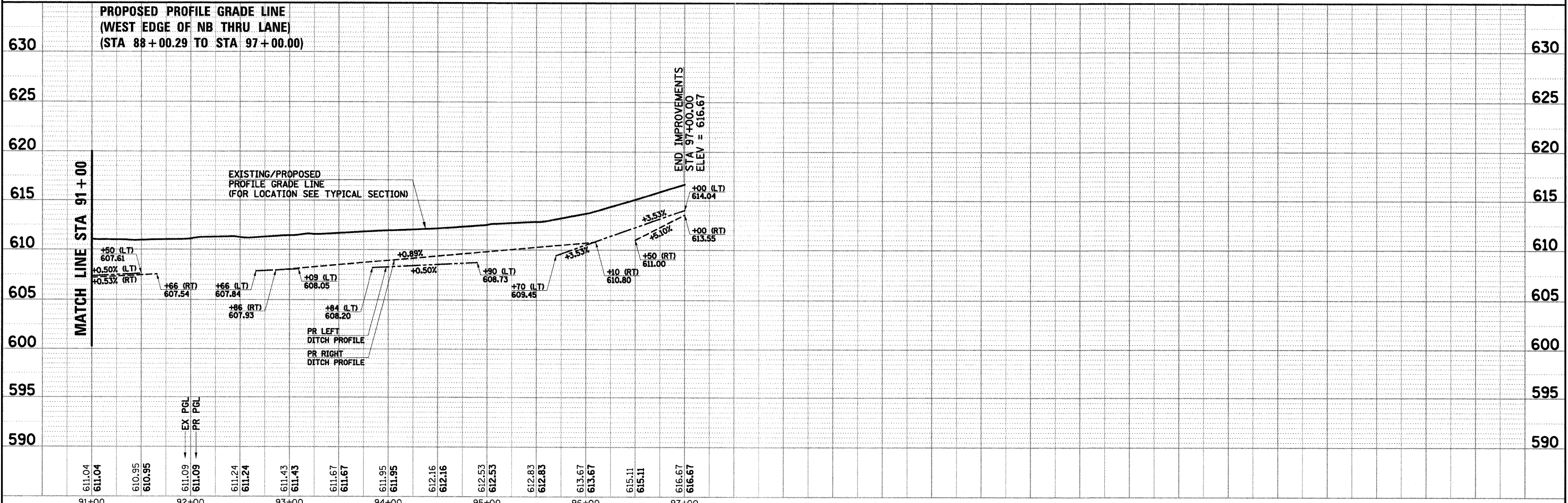
<p>SEC Group, Inc. An IRI Group Company 229 Alana Drive New Lenox, Illinois 60451 1.915.462.8024 F. 815.462.8028 www.secgroupinc.com McHenry, IL • Markletts, IL • New Lenox, IL • Chicago, IL</p>	USER NAME = RBes1 PLOT SCALE = 1" = 50' PLOT DATE = 11/8/2011	DESIGNED - BOC DRAWN - RCB CHECKED - APS DATE - 11/8/11	REVISED - REVISED - REVISED - REVISED -	ILLINOIS DEPARTMENT OF TRANSPORTATION PROPOSED ROADWAY IMPROVEMENTS C.H. 52 (GOUGAR ROAD) AT U.S. ROUTE 30	PLAN AND PROFILE C.H. 52 (GOUGAR ROAD) STA 79+49 TO STA 91+00 SCALE: 1" = 50' SHEET NO. 1 OF 2 SHEETS STA. TO STA.	F.A.U. RTE. 367 SECTION NO. 07-00154-11-TL COUNTY WILL TOTAL SHEETS 70 SHEET NO. 18 CONTRACT NO. 63597 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT
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NOTE:
SEE INTERSECTION PAVEMENT ELEVATION
PLANS FOR LAYOUT OF ENTRANCE ISLAND.

LEGEND

	EXISTING RIGHT-OF-WAY
	INDICATES DEPRESSED CURB



<p>SEC Group, Inc. 120 Main Street New Lenox, Illinois 80091 P: 815-462-2244 F: 815-462-3308 www.secgroupinc.com Add: Merrillville, Indiana, IL, New Lenox, IL, Chicago, IL</p>	USER NAME = RRest PLOT SCALE = 1" = 50' PLOT DATE = 11/8/2011	DESIGNED - BDC DRAWN - RCB CHECKED - APS DATE - 11/8/11	REVISED - REVISED - REVISED - REVISED -	ILLINOIS DEPARTMENT OF TRANSPORTATION PROPOSED ROADWAY IMPROVEMENTS C.H. 52 (GOUGAR ROAD) AT U.S. ROUTE 30	PLAN AND PROFILE C.H. 52 (GOUGAR ROAD) STA 91+00 TO STA 97+00 SCALE: 1" = 50' SHEET NO. 2 OF 2 SHEETS STA. TO STA.	<table border="1"> <tr> <th>F.A.U. RTE.</th> <th>SECTION NO.</th> <th>COUNTY</th> <th>TOTAL SHEETS</th> <th>SHEET NO.</th> </tr> <tr> <td>367</td> <td>07-00154-11-TL</td> <td>WILL</td> <td>70</td> <td>19</td> </tr> </table> <p>CONTRACT NO. 63597 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT</p>	F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.	367	07-00154-11-TL	WILL	70	19
	F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.											
367	07-00154-11-TL	WILL	70	19												

PRE-STAGE

1. MAINTAIN EXISTING TRAFFIC PATTERNS.
2. INSTALL TEMPORARY TRAFFIC SIGNALS WITH COVERED HEADS.
3. MILL EXISTING SURFACE WHERE REQUIRED. THIS WORK SHALL BE COMPLETED UNDER TRAFFIC IN ACCORDANCE WITH STANDARD 701501.
4. CONSTRUCT STORM SEWER IN ITS ENTIRETY. THIS WORK SHALL BE COMPLETED UNDER TRAFFIC IN ACCORDANCE WITH STANDARD 701501. LANE CLOSURES ASSOCIATED WITH STORM SEWER AND PATCHING OPERATIONS WILL ONLY BE PERMITTED BETWEEN THE HOURS OF 9:00 AM AND 3:00 PM WITH A MINIMUM OF ONE THROUGH LANE OPEN TO TRAFFIC DURING THIS PERIOD.
5. TRAFFIC CONTROL FOR U.S. ROUTE 30 SHALL BE IN ACCORDANCE WITH STANDARD 701701 AS NEEDED.

STAGE 1

1. RELOCATE GOUGAR ROAD TRAFFIC ACCORDING TO THE STAGE 1 PLANS.
2. ACTIVATE TEMPORARY TRAFFIC SIGNALS.
3. REMOVE EXISTING TRAFFIC SIGNALS.
4. REMOVE EXISTING COMBINATION CURB AND GUTTER AND SAWCUT/REMOVE EXISTING PAVEMENT WHERE REQUIRED. CONSTRUCT COMBINATION CURB AND GUTTER ALONG THE OUTSIDE EDGE OF PAVEMENT.
5. CONSTRUCT ALL HOT-MIX ASPHALT BASE COURSE WIDENING. THE BASE COURSE WIDENING SHALL BE TERMINATED AT THE TOP OF THE MILLED SURFACE.
6. REMOVE CORNER ISLAND ON THE NORTH LEG OF GOUGAR ROAD SOUTH OF THE TRACKS. CONSTRUCT AGGREGATE AND HOT-MIX ASPHALT BASE COURSE WITHIN THE REMOVED ISLAND AREA. RIGHT TURN LANE SHALL BE CLOSED DURING THIS OPERATION, WHICH WILL ONLY BE PERMITTED BETWEEN THE HOURS OF 9:00 AM AND 3:00 PM.
7. TRAFFIC CONTROL FOR U.S. ROUTE 30 SHALL BE IN ACCORDANCE WITH STANDARD 701701 AS NEEDED.

STAGE 2

1. RELOCATE GOUGAR ROAD TRAFFIC ACCORDING TO THE STAGE 2 PLANS.
2. SAWCUT AND REMOVE THE EXISTING MEDIANS AND PAVEMENT AS REQUIRED.
3. CONSTRUCT ALL PROPOSED MEDIANS IN THEIR ENTIRETY. CONSTRUCT REMAINDER OF AGGREGATE AND HOT-MIX ASPHALT BASE COURSES WITHIN THE REMOVED MEDIAN AREA.
4. TRAFFIC CONTROL FOR U.S. ROUTE 30 SHALL BE IN ACCORDANCE WITH STANDARD 701701 AS NEEDED.

STAGE 3

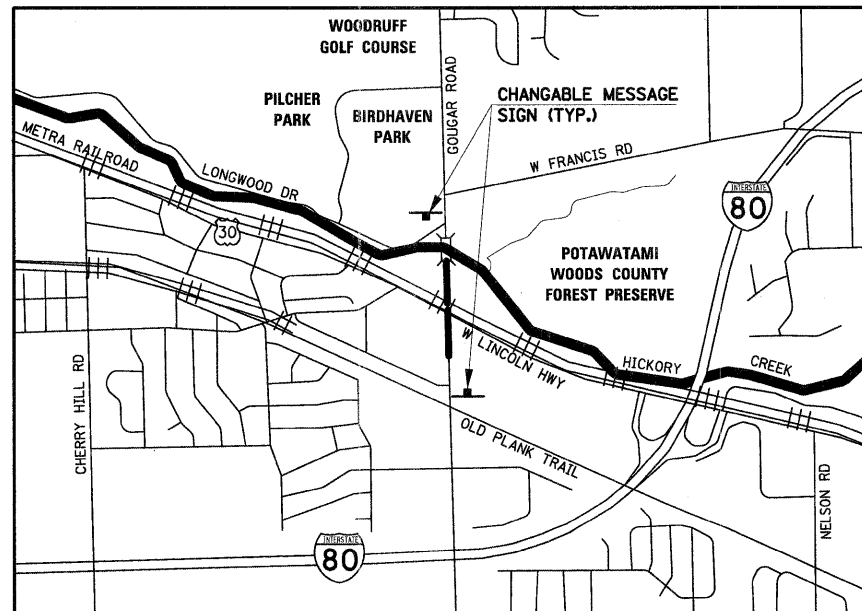
1. ACTIVATE PERMANENT TRAFFIC SIGNALS AND RELOCATE TRAFFIC TO PERMANENT LANE ASSIGNMENTS.
2. CONSTRUCT ALL LEVELING BINDER AND HOT-MIX ASPHALT SURFACE COURSE UNDER TRAFFIC IN ACCORDANCE WITH STANDARD 701501.
3. INSTALL PERMANENT STRIPING.
4. INSTALL AGGREGATE SHOULDERS.
5. FINAL LANDSCAPING.
6. TRAFFIC CONTROL FOR U.S. ROUTE 30 SHALL BE IN ACCORDANCE WITH STANDARD 701701 AS NEEDED.

SUGGESTED MAINTENANCE OF TRAFFIC – GENERAL NOTES:

1. THE CONTRACTOR SHALL FURNISH, PLACE, AND MAINTAIN TWO CHANGEABLE MESSAGE SIGNS. EXACT SIGN LOCATIONS SHALL BE DETERMINED BY THE ENGINEER (SEE LOCATION MAP BELOW FOR APPROXIMATE LOCATIONS). TWO WEEKS PRIOR TO THE CONTRACTOR BEGINNING ANY WORK THE SIGNS SHALL BE ACTIVATED AND NOTE THE DATE CONSTRUCTION BEGINS AND THAT DELAYS CAN BE EXPECTED. THE SIGN MESSAGES SHALL BE MODIFIED THROUGHOUT THE PROJECT TO ALERT THE TRAVELING PUBLIC WHEN SIGNIFICANT CHANGES OCCUR (LANE CLOSURES, NEW LANE CONFIGURATION, ETC.).
2. A MINIMUM OF ONE THROUGH LANE IN EACH DIRECTION SHALL REMAIN OPEN ON GOUGAR ROAD AT ALL TIMES, EXCEPT FOR PERIODS OF SHORT DURATION DURING PAVEMENT REMOVAL AND RESURFACING OPERATIONS OR AS DIRECTED BY THE ENGINEER. TEMPORARY TRAFFIC LANES SHALL BE A MINIMUM OF 11' WIDE.
3. LANE CLOSURES ON U.S. ROUTE 30 WILL NOT BE PERMITTED AT ANY TIME IN ACCORDANCE WITH IDOT SAFETY ENGINEERING POLICY 3-07.
4. NO SURFACE COURSE MAY BE PLACED UNTIL ALL LEVELING BINDER HAS BEEN COMPLETED.
5. ACCESS TO ALL PROPERTIES SHALL BE MAINTAINED AT ALL TIMES, EXCEPT FOR PERIODS OF SHORT DURATION AS DETERMINED BY THE ENGINEER. THE CONTRACTOR SHALL NOTIFY PROPERTY OWNERS A MINIMUM OF 48 HOURS PRIOR TO ANY ACCESS RESTRICTIONS OR CLOSURES. CONSTRUCTION ADJACENT TO AN ENTRANCE, RESULTING IN A TEMPORARY CLOSURE TO THE ENTRANCE, SHALL BE EXPEDITED AND THE ENTRANCE REOPENED TO TRAFFIC AS SOON AS POSSIBLE. DURING THE TEMPORARY CLOSURE, THE CONTRACTOR SHALL PROVIDE TYPE III BARRICADES WITH "ROAD CLOSED" SIGNS AT THE LOCATIONS DESIGNATED BY THE ENGINEER. TEMPORARY CLOSURES AT ENTRANCES WILL NOT BE PERMITTED DURING THE WEEKEND. ADJACENT ENTRANCES (SAME SIDE OF ROAD) SHALL NOT BE CLOSED AT THE SAME TIME.
6. WORK ZONE PAVEMENT MARKING FOR THE MAINTENANCE OF TRAFFIC SHALL CONSIST OF THE FOLLOWING: PAVEMENT MARKING TAPE, TYPE III.
7. EXISTING TRAFFIC SIGNS TO REMAIN SHALL BE MAINTAINED DURING CONSTRUCTION AS DIRECTED BY THE ENGINEER (MOUNTED ON TEMPORARY POSTS, BARRICADES, ETC.), UNTIL THEY CAN BE RELOCATED TO THEIR FINAL POSITIONS. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE TRAFFIC CONTROL AND PROTECTION, (SPECIAL).
8. ALL TRAFFIC SIGNS CONFLICTING WITH THE TEMPORARY TRAFFIC CONTROL SHALL BE TEMPORARILY REMOVED OR COVERED AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE TRAFFIC CONTROL AND PROTECTION, (SPECIAL).
9. EXCAVATION AND PAVEMENT WIDENING ON BOTH SIDES OF THE PAVEMENT AT ANY ONE LOCATION AT THE SAME TIME WILL NOT BE PERMITTED PER ARTICLE 701.08 OF THE IDOT SPECS.

SUGGESTED MAINTENANCE OF TRAFFIC – SIGN LEGEND:

CHANGEABLE MESSAGE SIGN LOCATIONS



NOTE:
THE ABOVE CHANGEABLE MESSAGE SIGN LOCATIONS ARE APPROXIMATE.
EXACT LOCATIONS TO BE DETERMINED BY THE ENGINEER.

**ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED ROADWAY IMPROVEMENTS
C.H. 52 (GOUGAR ROAD) AT U.S. ROUTE 30**

SUGGESTED MAINTENANCE OF TRAFFIC – GENERAL NOTES

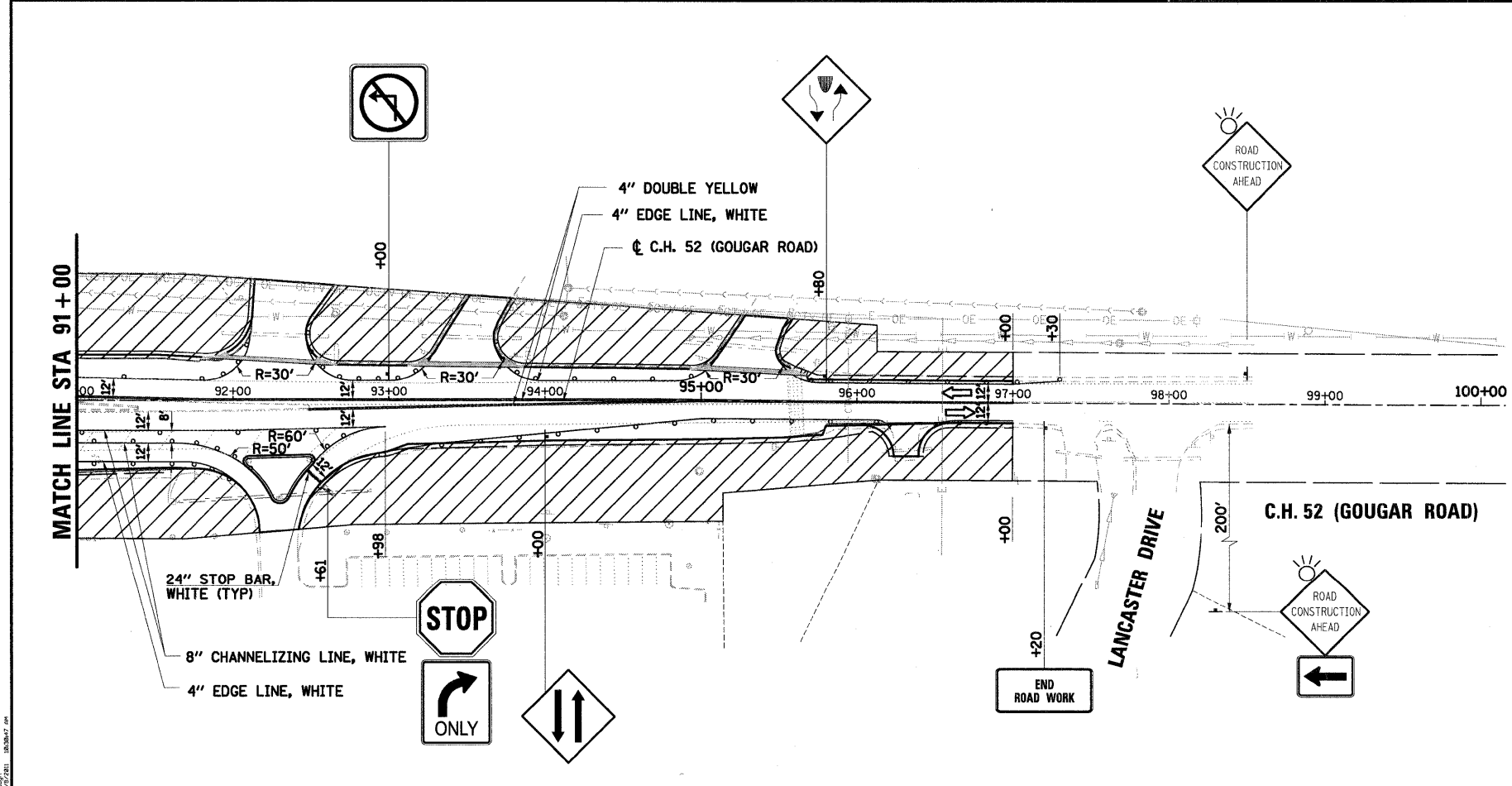
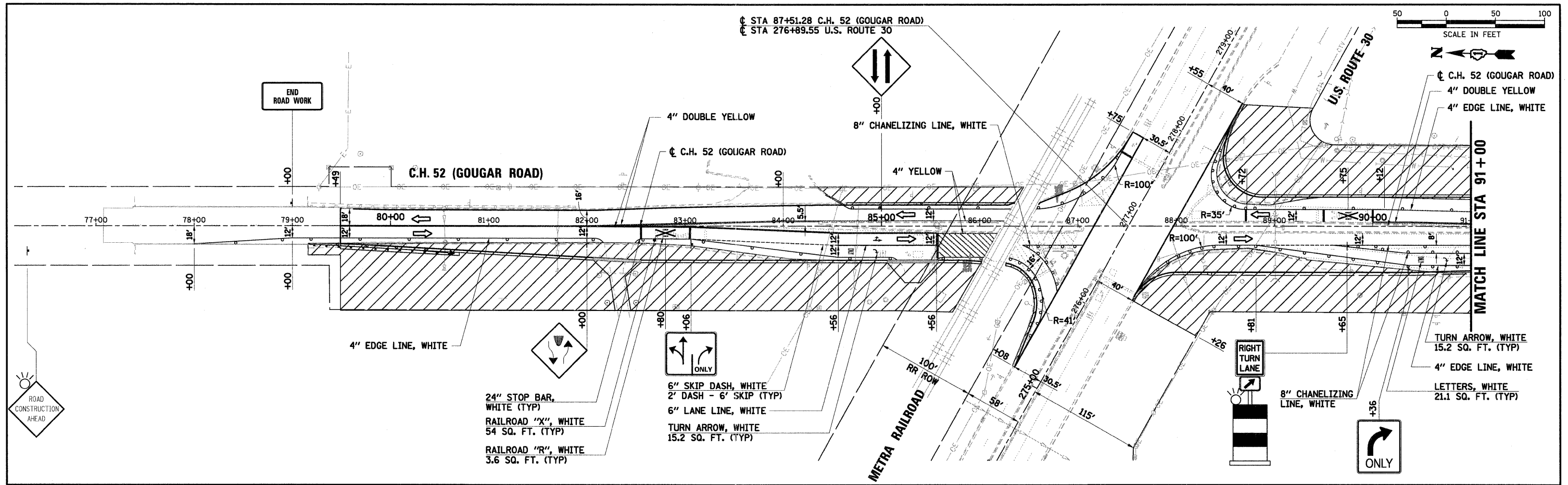
SCALE: NONE SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE. 367	SECTION NO. 07-00154-11-TL	COUNTY WILL	TOTAL SHEETS 70	SHEET NO. 20
CONTRACT NO. 63597				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SEC Group, Inc.
323 Main Drive
New Lenox, Illinois 80451
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www.secgroupinc.com

USER NAME = RBest	DESIGNED - BDC	REVISED -
PLOT SCALE = NONE	DRAWN - JAR	REVISED -
PLOT DATE = 11/8/2011	CHECKED - APS	REVISED -
	DATE - 11/8/11	REVISED -

ILLINOIS PROFESSIONAL ENGINEERING BOARD
 LICENSE NO. 021-000000-0000-0000
 EXPIRES 12/31/2011



NOTE:
CONTRACTOR TO MAINTAIN EXISTING RAILROAD SIGNAGE.

LEGEND

	WORK ZONE AREA		EXISTING RIGHT-OF-WAY
	SIGN ON PORTABLE OR PERMANENT SUPPORT		TYPE III BARRICADES
	DRUM OR BARRICADE *		* DRUM OR BARRICADE SPACING 50' C-C ON TANGENTS 25' C-C ON TAPERS OR LANE SHIFTS 12' C-C ON RADII

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 Illinois Professional Design Firm # 154-00109
 322 Adams Circle
 New Lenox, Illinois 60451
 815-462-2224 F. 815-462-8928
 www.secgroupinc.com
 Matthew L. Hovde, II, New Lenox, IL - Chicago, IL

USER NAME = RBes1	DESIGNED - BDC	REVISED -
PLOT SCALE = 1" = 50'	DRAWN - JAR	REVISED -
PLOT DATE = 11/8/2011	CHECKED - APS	REVISED -
	DATE - 11/8/11	REVISED -

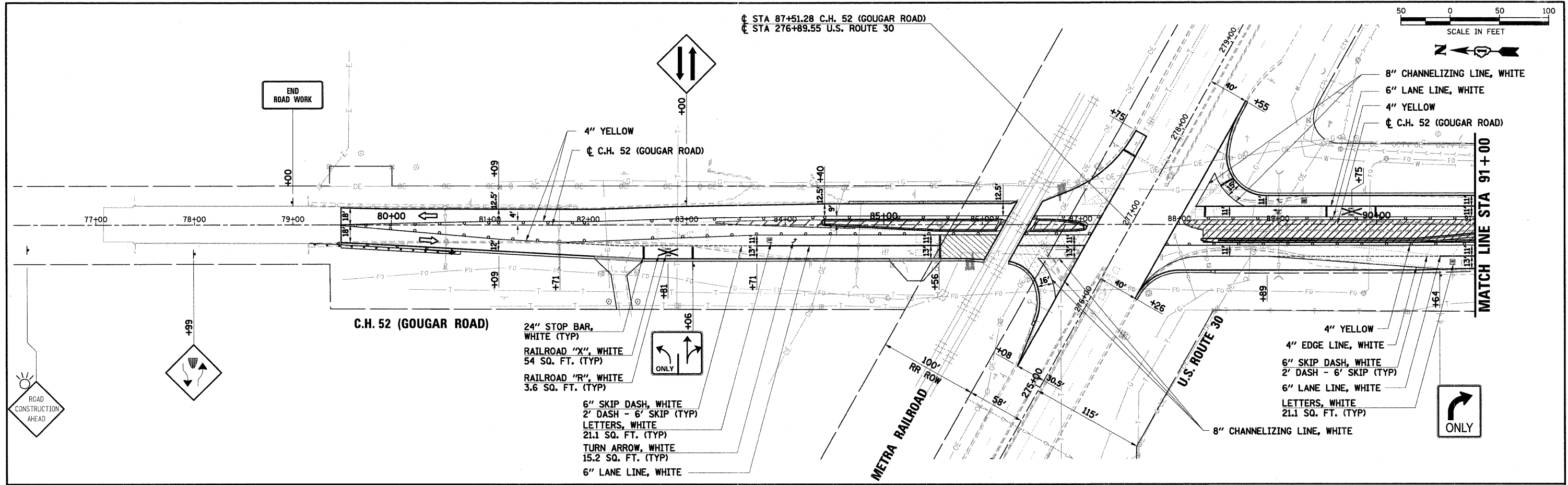
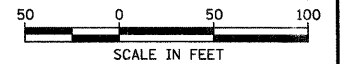
ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED ROADWAY IMPROVEMENTS
C.H. 52 (GOUGAR ROAD) AT U.S. ROUTE 30

SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 1

SCALE: 1" = 50' SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
367	07-00154-11-TL	WILL	70	21
CONTRACT NO. 63597				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

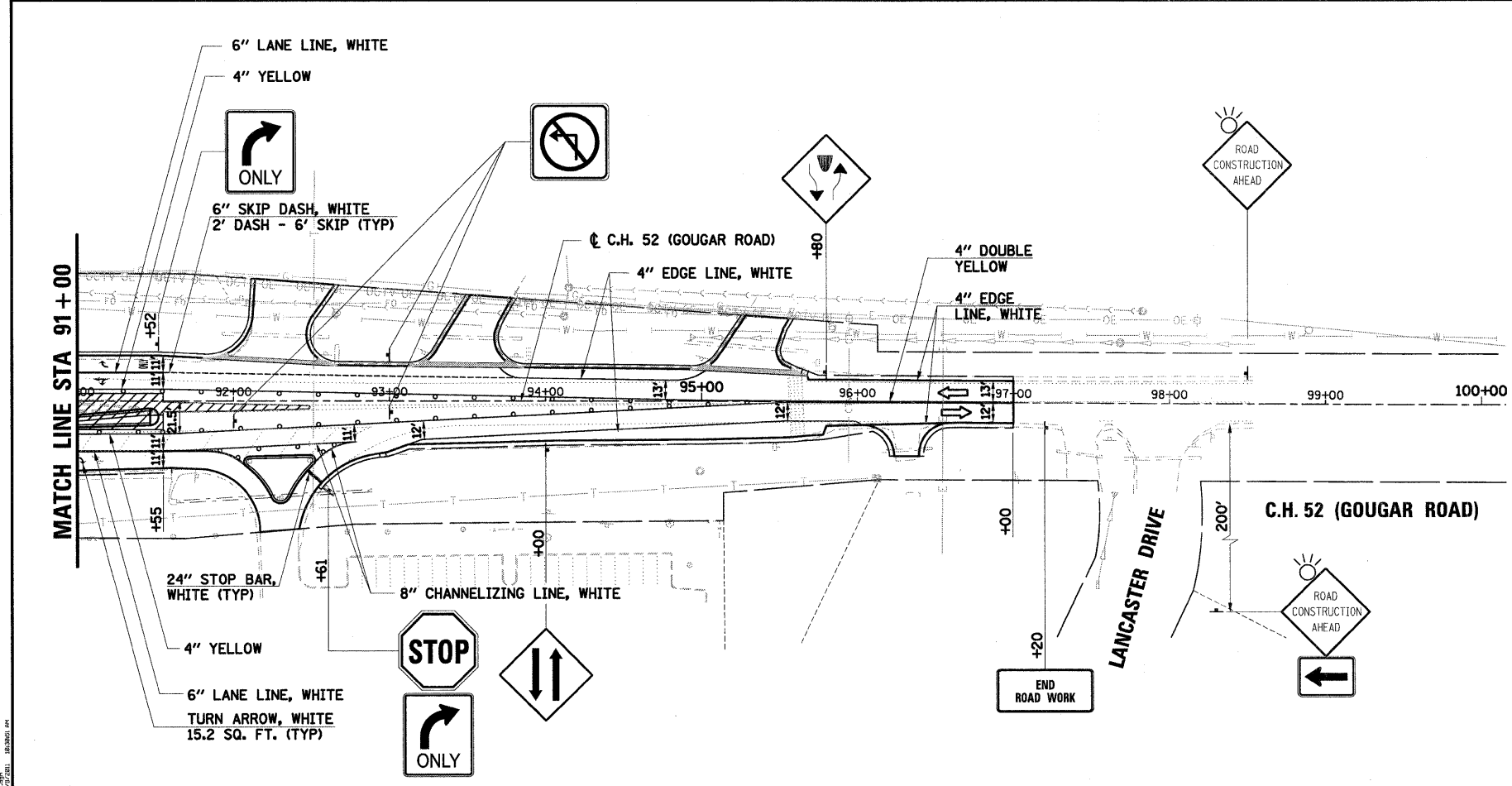
☐ STA 87+51.28 C.H. 52 (GOUGAR ROAD)
 ☐ STA 276+89.55 U.S. ROUTE 30



C.H. 52 (GOUGAR ROAD)

- 24" STOP BAR, WHITE (TYP)
- RAILROAD "X", WHITE 54 SQ. FT. (TYP)
- RAILROAD "R", WHITE 3.6 SQ. FT. (TYP)
- 6" SKIP DASH, WHITE 2' DASH - 6' SKIP (TYP)
- LETTERS, WHITE 21.1 SQ. FT. (TYP)
- TURN ARROW, WHITE 15.2 SQ. FT. (TYP)
- 6" LANE LINE, WHITE

- 4" YELLOW
- 4" EDGE LINE, WHITE
- 6" SKIP DASH, WHITE 2' DASH - 6' SKIP (TYP)
- 6" LANE LINE, WHITE
- LETTERS, WHITE 21.1 SQ. FT. (TYP)
- 8" CHANNELIZING LINE, WHITE



☐ C.H. 52 (GOUGAR ROAD)

- 24" STOP BAR, WHITE (TYP)
- 8" CHANNELIZING LINE, WHITE
- 4" YELLOW
- 6" LANE LINE, WHITE
- TURN ARROW, WHITE 15.2 SQ. FT. (TYP)

NOTE:
 CONTRACTOR TO MAINTAIN EXISTING RAILROAD SIGNAGE.

LEGEND

	WORK ZONE AREA		EXISTING RIGHT-OF-WAY
	SIGN ON PORTABLE OR PERMANENT SUPPORT		TYPE III BARRICADES
	DRUM OR BARRICADE *		* DRUM OR BARRICADE SPACING 50' C-C ON TANGENTS 25' C-C ON TAPERS OR LANE SHIFTS 12' C-C ON RADII

SEC Group, Inc.
 An MHI Group Company
 322 North Collins
 New Lenox, Illinois 60451
 815-882-2024 / 815-882-9028
 www.secgroupinc.com

USER NAME = RBoat
 PLOT SCALE = 1" = 50'
 PLOT DATE = 11/8/2011

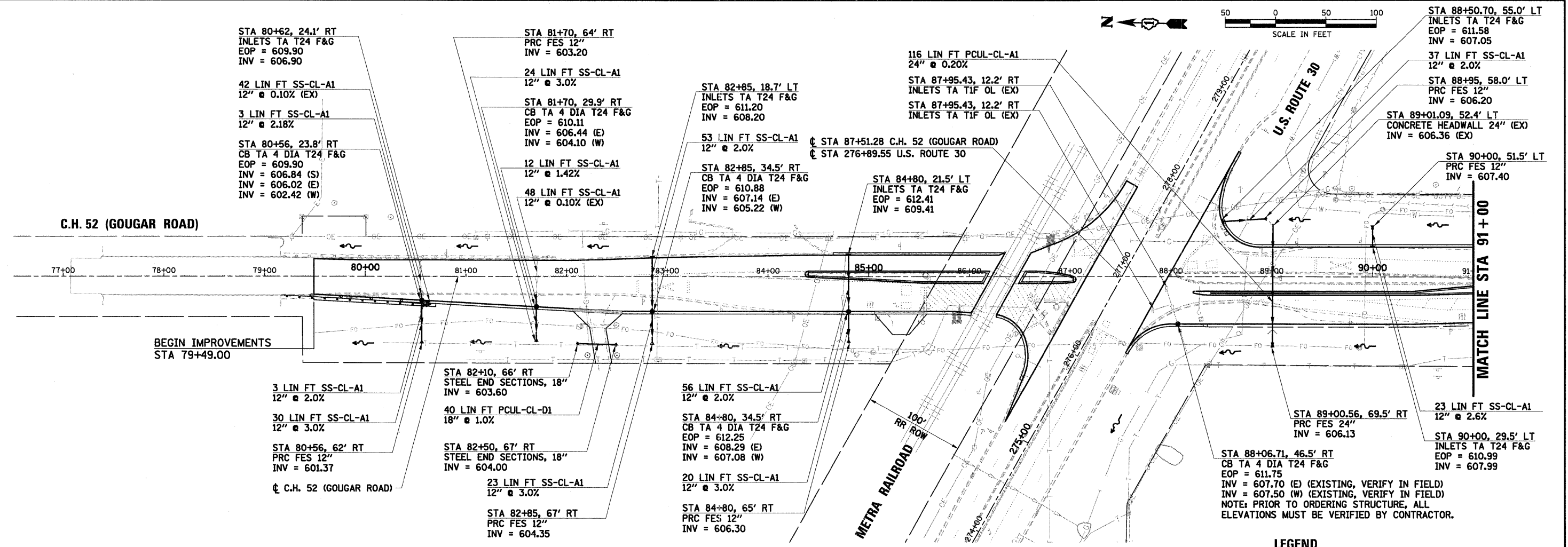
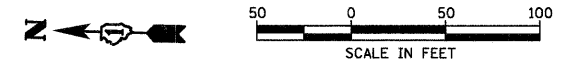
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 CHECKED - APS
 DATE - 11/8/11

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**ILLINOIS DEPARTMENT OF TRANSPORTATION
 PROPOSED ROADWAY IMPROVEMENTS
 C.H. 52 (GOUGAR ROAD) AT U.S. ROUTE 30**

SUGGESTED MAINTENANCE OF TRAFFIC - STAGE 2
 SCALE: 1" = 50' SHEET NO. OF SHEETS STA. TO STA.

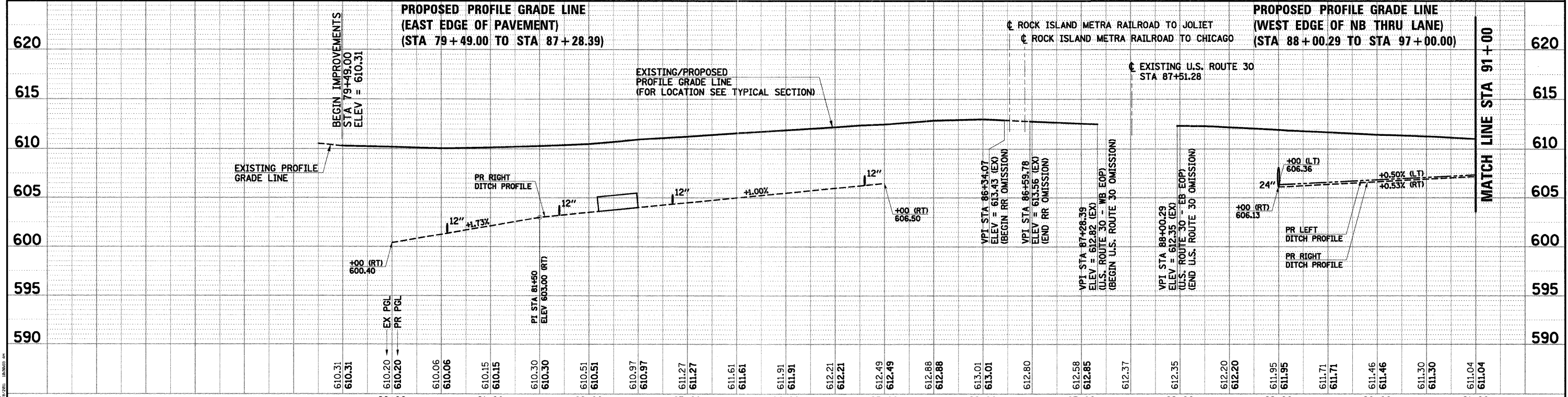
F.A.U. RTE. 367	SECTION NO. 07-00154-11-TL	COUNTY WILL	TOTAL SHEETS 70	SHEET NO. 22
CONTRACT NO. 63597				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



NOTE:
ALL CULVERTS SHALL BE PRECOATED GALVANIZED CORRUGATED STEEL CULVERT PIPE (PGCSCP).

LEGEND

— EXISTING RIGHT-OF-WAY
 INDICATES DEPRESSED CURB



SEC Group, Inc.
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 222 Adams Drive
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 T 815.462.9324 F 815.462.9328
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 M.Henry, L., P.E., M.S., N.E., L.E., S.E., C.E., C.O., C.P.E., C.D., C.E.M., C.E.S., C.E.T., C.E.P., C.E.M., C.E.S., C.E.T., C.E.P., C.E.M., C.E.S., C.E.T., C.E.P.

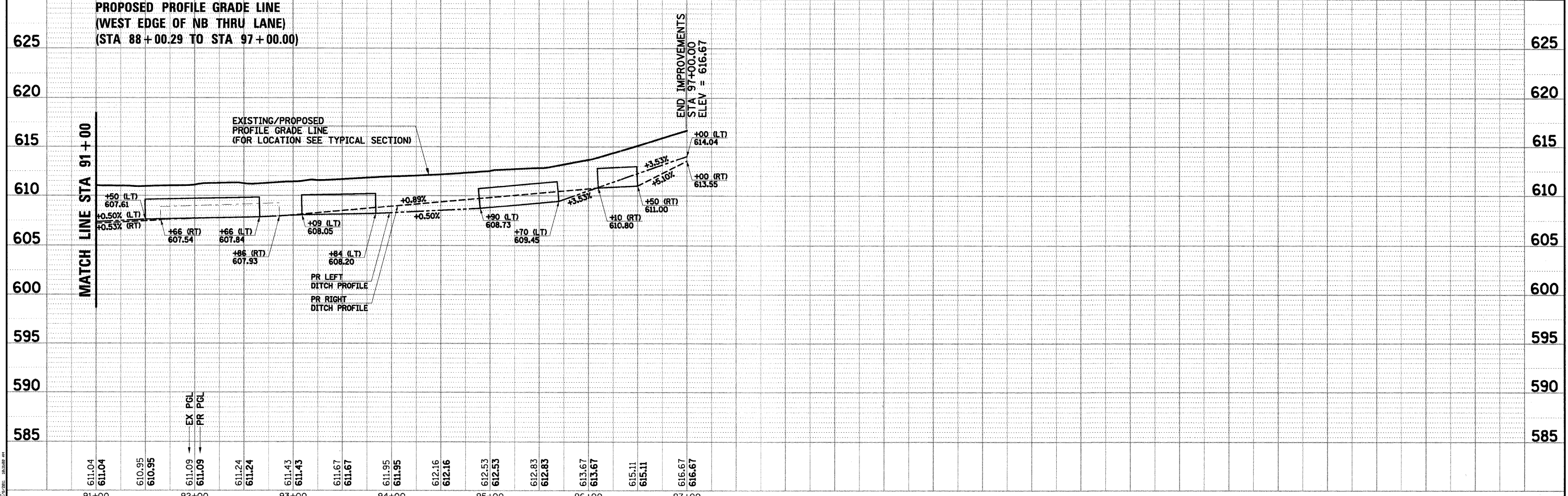
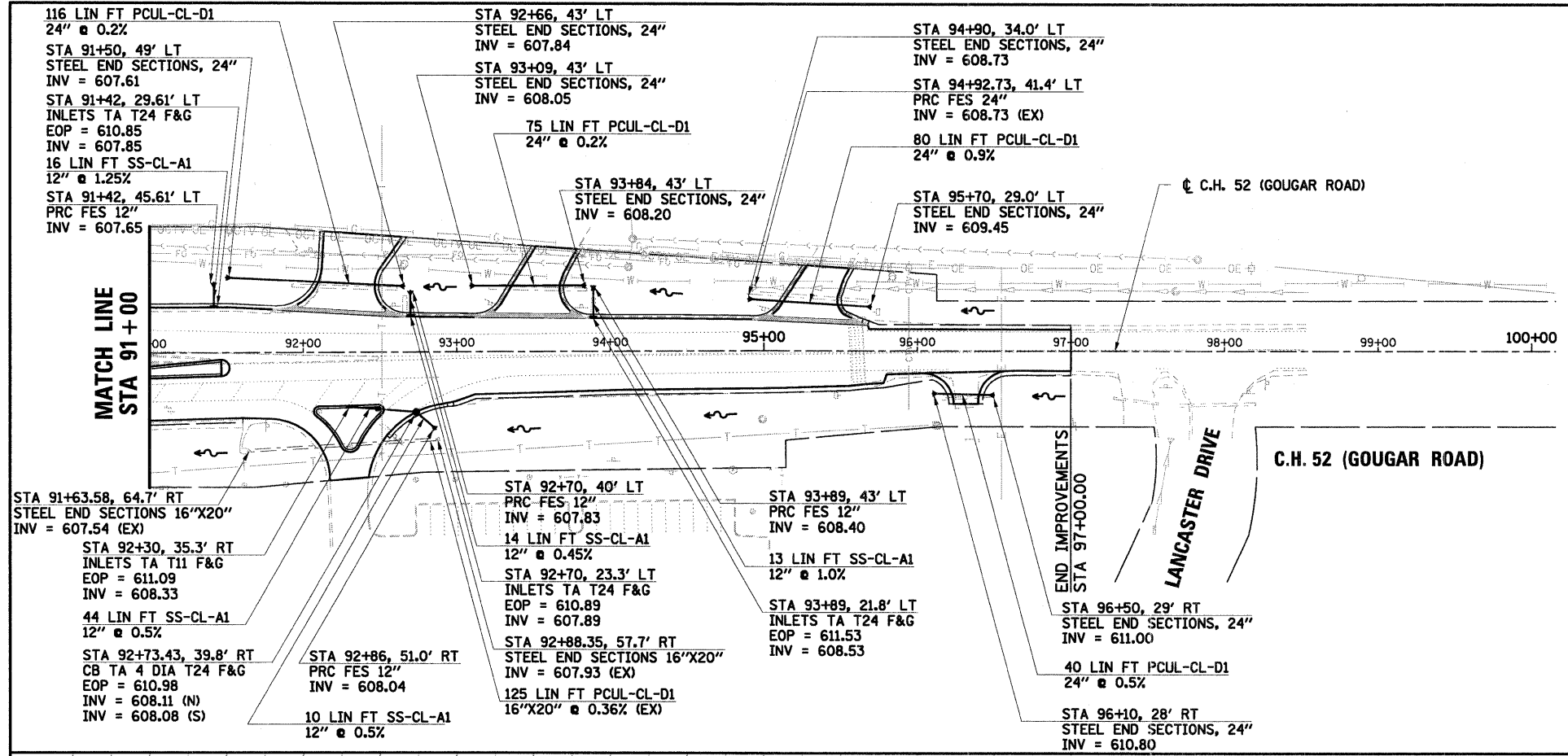
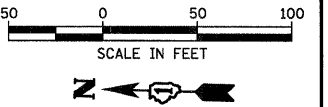
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PLOT SCALE = 1" = 50'	DRAWN - RCB	REVISOR -
PLOT DATE = 11/8/2011	CHECKED - APS	REVISOR -
	DATE - 11/8/11	REVISOR -

**ILLINOIS DEPARTMENT OF TRANSPORTATION
 PROPOSED ROADWAY IMPROVEMENTS
 C.H. 52 (GOUGAR ROAD) AT U.S. ROUTE 30**

**DRAINAGE PLAN AND PROFILE
 C.H. 52 (GOUGAR ROAD)
 STA 79+49 TO STA 91+00**

SCALE: 1" = 50' SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE. 367	SECTION NO. 07-00154-11-TL	COUNTY WILL	TOTAL SHEETS 70	SHEET NO. 23
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		CONTRACT NO. 63597		

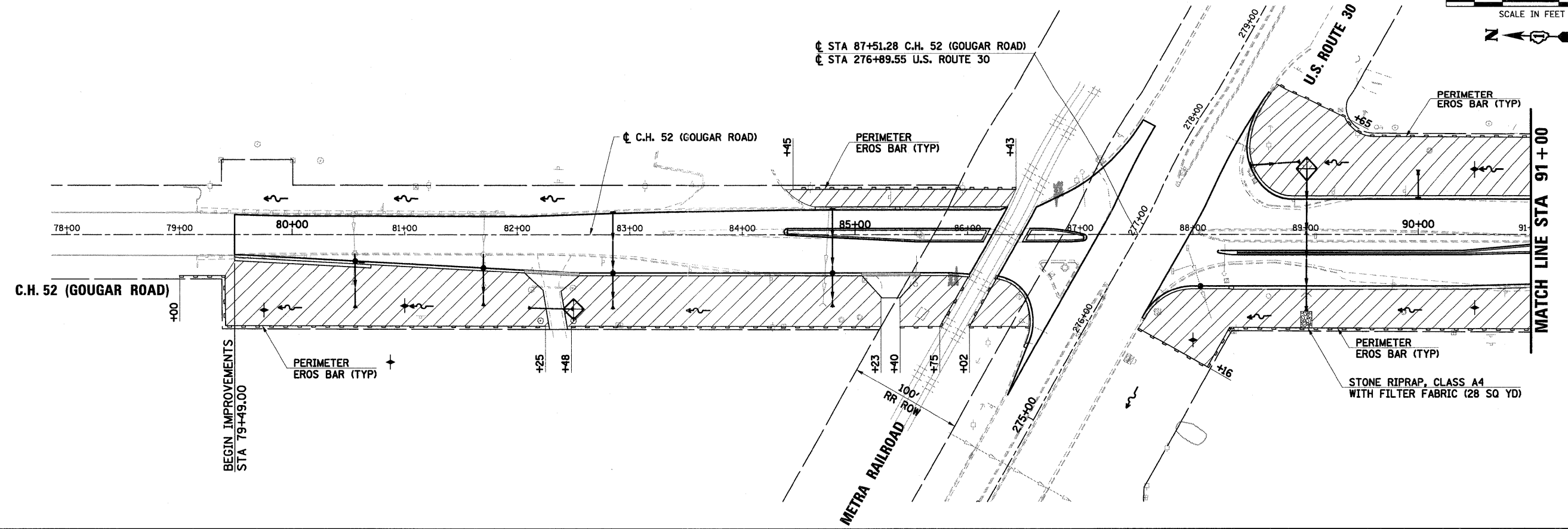
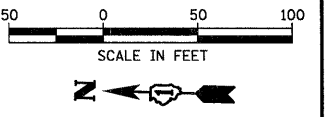


NOTE:
ALL CULVERTS SHALL BE PRECOATED GALVANIZED CORRUGATED STEEL CULVERT PIPE (PGCSCP).

LEGEND

— EXISTING RIGHT-OF-WAY
 INDICATES DEPRESSED CURB

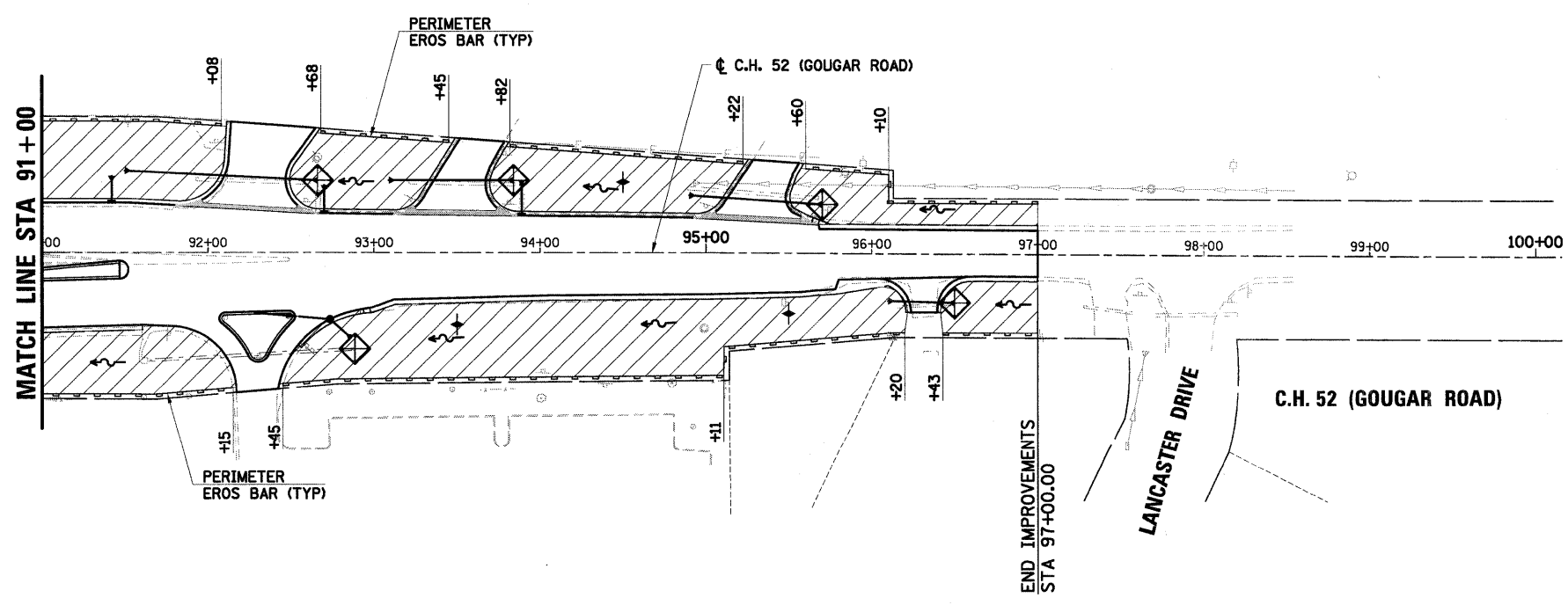
<p>SEC Group, Inc. 1111 North Dearborn Street Chicago, IL 60610 (773) 399-1000 www.secgroup.com</p>	USER NAME = RBest PLOT SCALE = 1" = 50' PLOT DATE = 11/8/2011	DESIGNED - BDC DRAWN - RCB CHECKED - APS DATE - 11/8/11	REVISED - REVISED - REVISED - REVISED -	ILLINOIS DEPARTMENT OF TRANSPORTATION PROPOSED ROADWAY IMPROVEMENTS C.H. 52 (GOUGAR ROAD) AT U.S. ROUTE 30	DRAINAGE PLAN AND PROFILE C.H. 52 (GOUGAR ROAD) STA 91+00 TO STA 97+00 SCALE: 1" = 50' SHEET NO. 2 OF 2 SHEETS STA. TO STA.	<table border="1"> <tr> <th>F.A.U. RTE.</th> <th>SECTION NO.</th> <th>COUNTY</th> <th>TOTAL SHEETS</th> <th>SHEET NO.</th> </tr> <tr> <td>367</td> <td>07-00154-11-TL</td> <td>WILL</td> <td>70</td> <td>24</td> </tr> </table> <p>FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT</p>	F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.	367	07-00154-11-TL	WILL	70	24
	F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.											
367	07-00154-11-TL	WILL	70	24												
CONTRACT NO. 63597																



- INLET FILTERS**
- STA 80+54.26, 17.5' LT
 - STA 80+56, 23.8' RT
 - STA 80+62, 24.1' RT
 - STA 80+65.30, 17.4' LT
 - STA 81+70, 30.0' RT
 - STA 81+70.90, 17.1' LT
 - STA 82+85, 18.7' LT
 - STA 82+85, 34.5' RT
 - STA 84+80, 21.5' LT
 - STA 84+80, 34.5' RT
 - STA 87+82.09, 33.3' RT
 - STA 87+95.43, 12.2' RT
 - STA 88+06.71, 46.5' RT
 - STA 88+50.70, 55.0' LT
 - STA 90+00, 29.5' LT
 - STA 91+42, 29.5' LT
 - STA 92+30, 35.3' RT
 - STA 92+70, 23.3' LT
 - STA 92+73.43, 39.8' RT
 - STA 93+89, 21.8' LT

- INLET AND PIPE PROTECTION**
- STA 82+50, 67.0' RT
 - STA 89+01, 52.4' LT
 - STA 92+66, 43.0' LT
 - STA 92+88.35, 58.0' RT
 - STA 93+84, 43.0' LT
 - STA 95+70, 29.0' LT
 - STA 96+50, 29.0' RT

- DITCH CHECK**
- STA 79+75, 68.0' RT - 14'
 - STA 81+00, 65.0' RT - 14'
 - STA 88+00, 95.0' RT - 14'
 - STA 90+50, 52.0' LT - 14'
 - STA 90+50, 66.0' RT - 14'
 - STA 93+50, 43.0' RT - 14'
 - STA 94+50, 42.0' LT - 14'
 - STA 95+50, 36.0' RT - 14'



LEGEND

	EXISTING RIGHT-OF-WAY
	PROPOSED SEEDING CLASS 2A

SEC Group, Inc.
 An HFI Group Company
 323 Adams Drive
 New Lenox, Illinois 80461
 C 815.462.2024 F 815.462.2028
 www.secgroupinc.com
 441 Henry St., Northbrook, Illinois, Chicago, IL

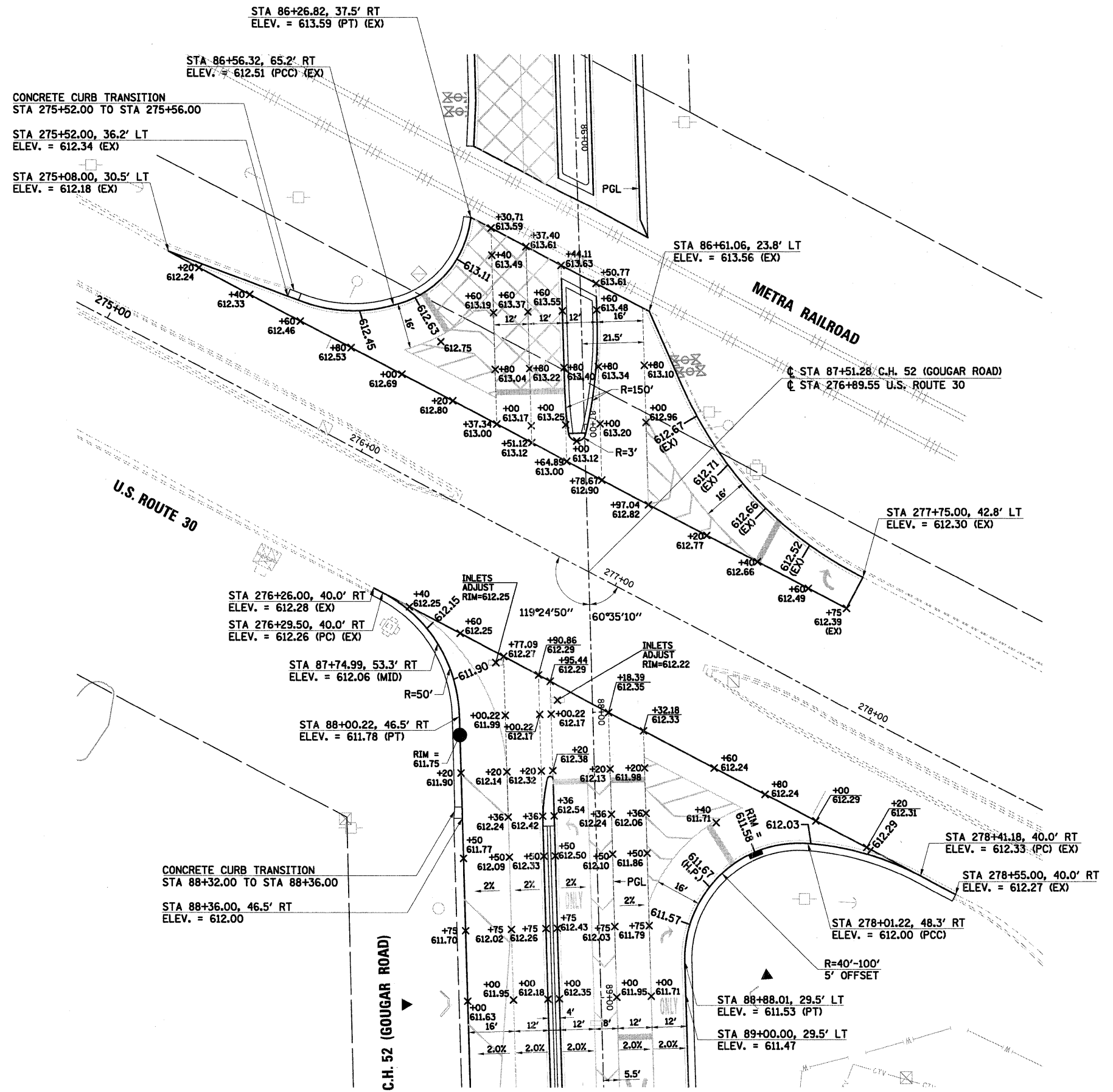
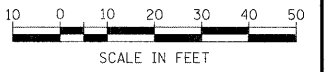
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PLOT SCALE = 1" = 50'	DRAWN - RCB	REVISED -
PLOT DATE = 11/8/2011	CHECKED - APS	REVISED -
	DATE - 11/8/11	REVISED -

**ILLINOIS DEPARTMENT OF TRANSPORTATION
 PROPOSED ROADWAY IMPROVEMENTS
 C.H. 52 (GOUGAR ROAD) AT U.S. ROUTE 30**

EROSION CONTROL PLAN

SCALE: 1" = 50' SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
367	07-00154-11-TL	WILL	70	25
CONTRACT NO. 63597				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



- NOTES:**
1. CURB RETURN ELEVATIONS ARE SHOWN AT 20' INCREMENTS BEGINNING AT THE U.S. ROUTE 30 P.C.
 2. CURB AND GUTTER ON EAST SIDE OF RAISED ISLAND BETWEEN STA 92+10.11 AND STA 92+48.77 SHALL BE NORMAL PITCHED, WHEREAS ALL OTHER CURB AND GUTTER ON MEDIANS AND CHANNELIZING ISLANDS SHALL BE REVERSED PITCHED.
 3. SEE PLAN AND PROFILE SHEETS FOR SPECIFIC TYPE AND LIMITS OF COMBINATION CONCRETE CURB AND GUTTER.

LEGEND

	EXISTING RIGHT-OF-WAY
	INDICATES DEPRESSED CURB

SEC Group, Inc.
 Illinois Professional Design Firm # 184-00138
 An IRI Group Company
 329 Main Street
 New Lenox, Illinois 60451
 T 815-882-2244 F 815-882-2238
 www.secgroupinc.com
 440 Henry St., Roseville, IL, New Lenox, IL, Chicago, IL

USER NAME = RBest
 PLOT SCALE = 1"=20'
 PLOT DATE = 11/8/2011

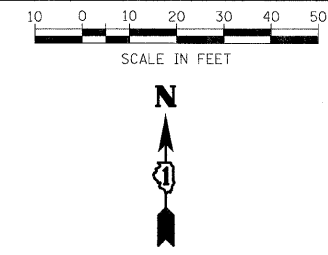
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 DATE - 11/8/11

REVISED -
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**ILLINOIS DEPARTMENT OF TRANSPORTATION
 PROPOSED ROADWAY IMPROVEMENTS
 C.H. 52 (GOUGAR ROAD) AT U.S. ROUTE 30**

**INTERSECTION PAVEMENT ELEVATION PLAN
 C.H. 52 (GOUGAR ROAD)
 AT U.S. ROUTE 30**
 SCALE: 1"=20' SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
367	07-00154-11-TL	WILL	70	26
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 63597				



STA 91+60.34, 43.2' RT
ELEV. = 610.24 (EX)

STA 91+78.59, 43.9' RT
ELEV. = 610.63 (PC) (EX)

STA 92+05.56, 55.8' RT
ELEV. = 611.10 (MID) (EX)

STA 92+17.11, 84.3' RT
ELEV. = 610.31 (PT) (EX)

STA 92+42.23, 82.2' RT
ELEV. = 610.58 (PT) (EX)

STA 92+54.15, 55.4' RT
ELEV. = 611.33 (EX)

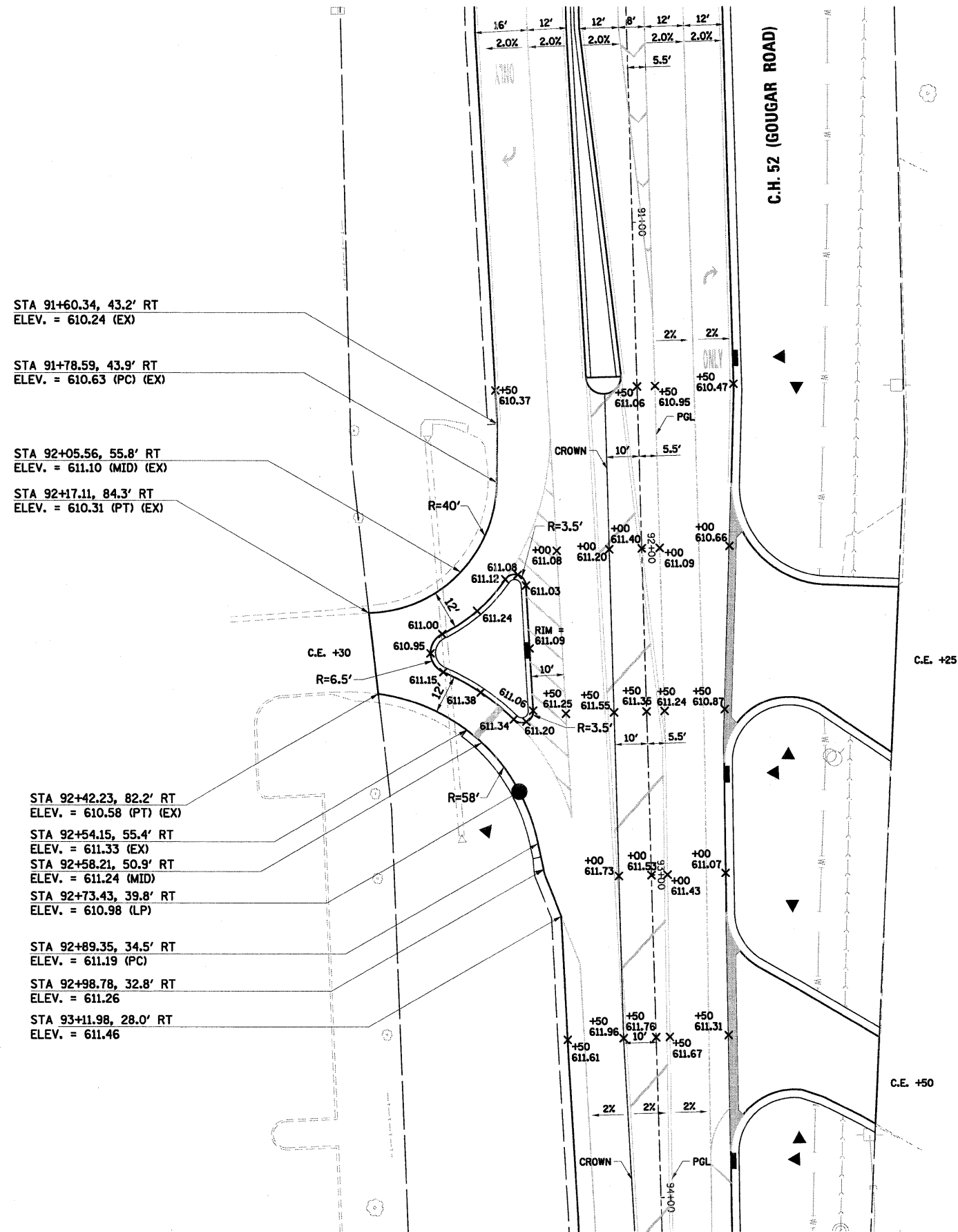
STA 92+58.21, 50.9' RT
ELEV. = 611.24 (MID)

STA 92+73.43, 39.8' RT
ELEV. = 610.98 (LP)

STA 92+89.35, 34.5' RT
ELEV. = 611.19 (PC)

STA 92+98.78, 32.8' RT
ELEV. = 611.26

STA 93+11.98, 28.0' RT
ELEV. = 611.46



- NOTES:
- CURB AND GUTTER ON EAST SIDE OF RAISED ISLAND BETWEEN STA 92+10.11 AND STA 92+48.77 SHALL BE NORMAL PITCHED, WHEREAS ALL OTHER CURB AND GUTTER ON MEDIANS AND CHANNELIZING ISLANDS SHALL BE REVERSED PITCHED.
 - SEE PLAN AND PROFILE SHEETS FOR SPECIFIC TYPE AND LIMITS OF COMBINATION CONCRETE CURB AND GUTTER.

LEGEND

	EXISTING RIGHT-OF-WAY
	INDICATES DEPRESSED CURB

PROJECT: PROVIDENCE CATHOLIC HIGH SCHOOL ATHLETIC FIELD ENTRANCE
 SHEET NO. 27 OF 70
 DATE: 11/8/2011

SEC Group, Inc.
 An HDR Group Company
 3721 Albany Drive
 Naperville, Illinois 60563
 1.615.462.8324 | 1.615.462.8326
 www.secgroup.com

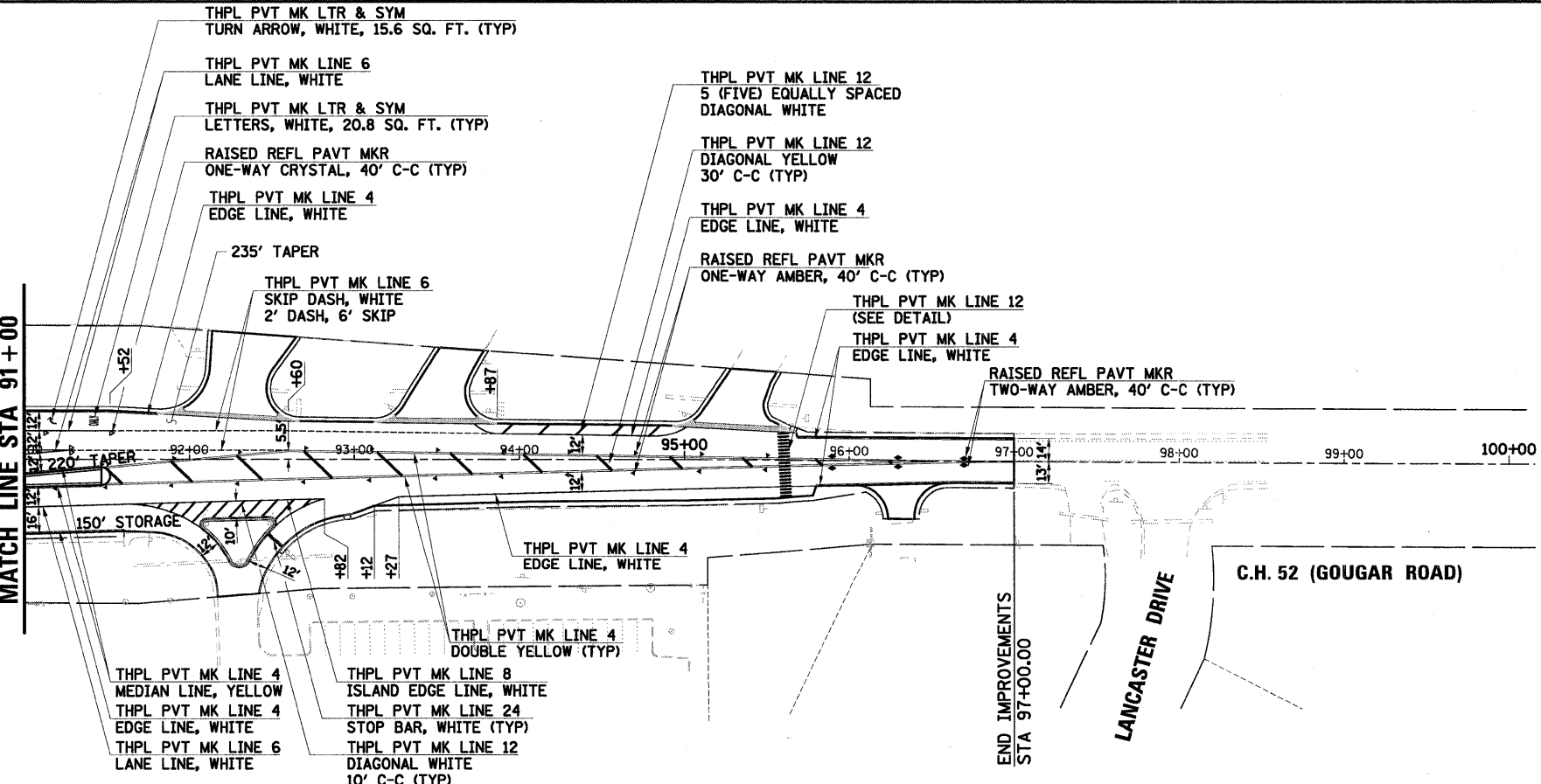
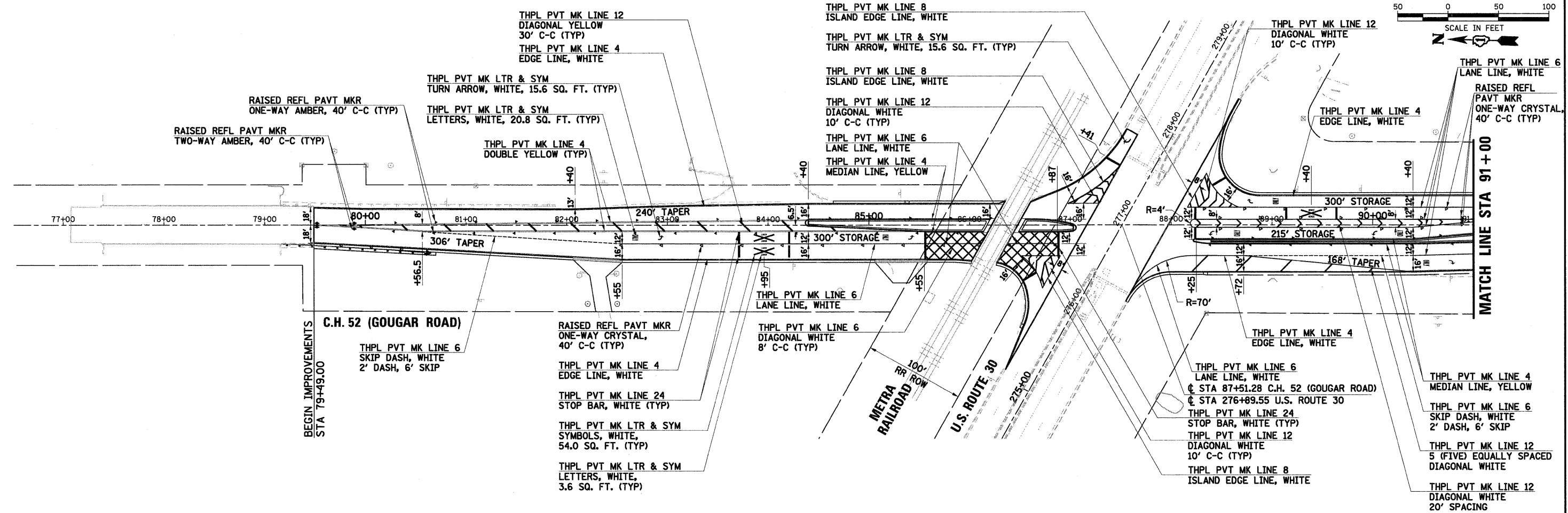
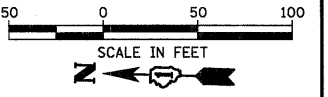
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PLOT DATE = 11/8/2011	CHECKED - APS	REVISIONS
	DATE - 11/8/11	REVISIONS

**ILLINOIS DEPARTMENT OF TRANSPORTATION
 PROPOSED ROADWAY IMPROVEMENTS
 C.H. 52 (GOUGAR ROAD) AT U.S. ROUTE 30**

**INTERSECTION PAVEMENT ELEVATION PLAN
 C.H. 52 (GOUGAR ROAD) AT PROVIDENCE CATHOLIC
 HIGH SCHOOL ATHLETIC FIELD ENTRANCE**

SCALE: 1"=20' SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.U. RTE. 367	SECTION NO. 07-00154-11-TL	COUNTY WILL	TOTAL SHEETS 70	SHEET NO. 27
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63597	



NOTE:
SEE DISTRICT ONE TYPICAL PAVEMENT MARKING
DETAIL FOR ADDITIONAL INFORMATION

LEGEND

	EXISTING RIGHT-OF-WAY
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SEC Group, Inc.
An HR Green Company
325 N. LaSalle Drive
New Lenox, Illinois 80461
1-815-462-3241 • 815-462-9238
www.secgroup.com
McHenry, IL • Markletts, IL • New Lenox, IL • Chicago, IL

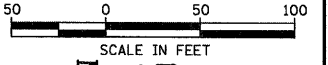
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**ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED ROADWAY IMPROVEMENTS
C.H. 52 (GOUGAR ROAD) AT U.S. ROUTE 30**

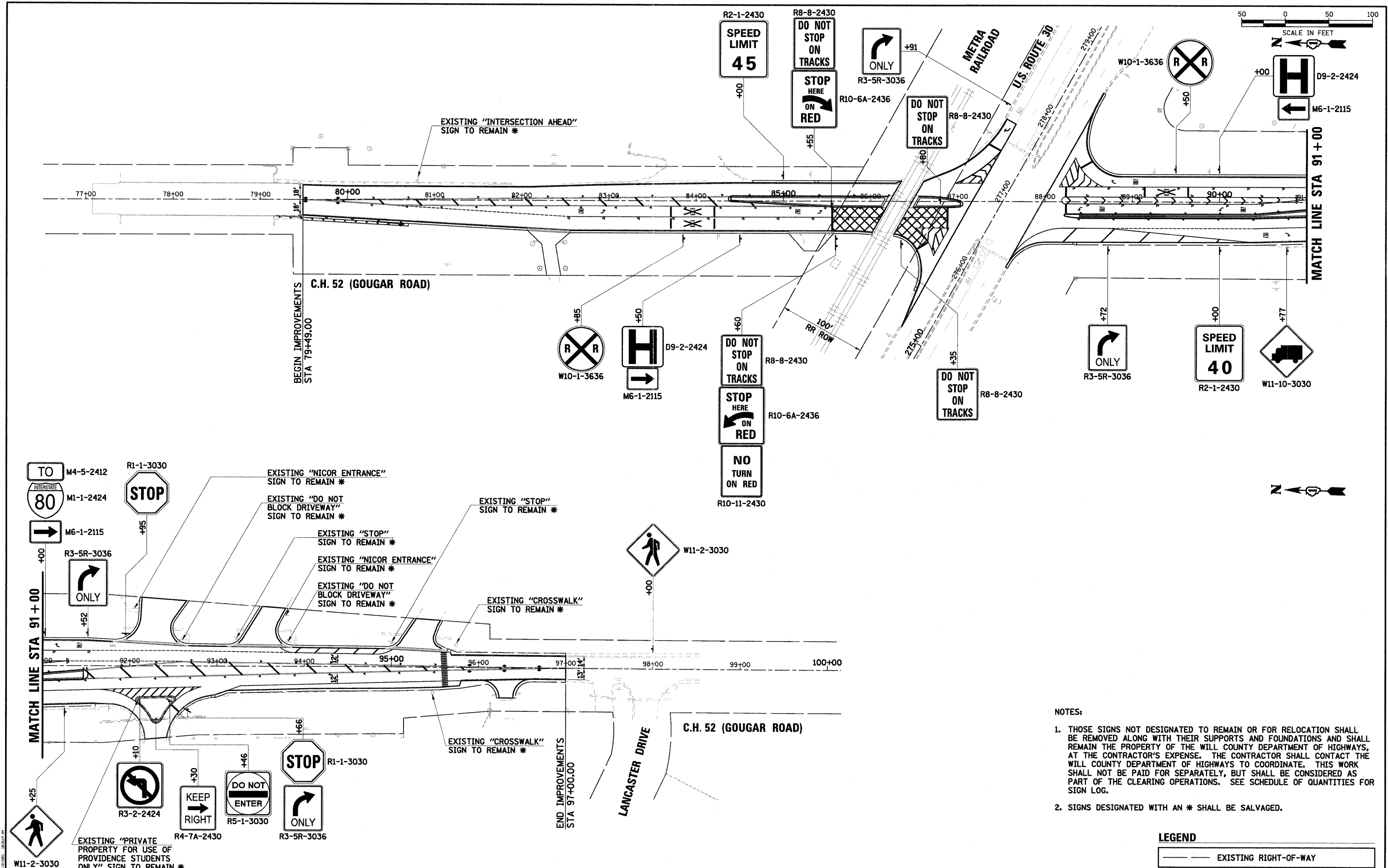
PAVEMENT MARKING PLAN

SCALE: 1" = 50'	SHEET NO. OF SHEETS	STA. TO STA.
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F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
367	07-00154-11-TL	WILL	70	28
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 63597	



SCALE IN FEET



- NOTES:**
1. THOSE SIGNS NOT DESIGNATED TO REMAIN OR FOR RELOCATION SHALL BE REMOVED ALONG WITH THEIR SUPPORTS AND FOUNDATIONS AND SHALL REMAIN THE PROPERTY OF THE WILL COUNTY DEPARTMENT OF HIGHWAYS, AT THE CONTRACTOR'S EXPENSE. THE CONTRACTOR SHALL CONTACT THE WILL COUNTY DEPARTMENT OF HIGHWAYS TO COORDINATE. THIS WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS PART OF THE CLEARING OPERATIONS. SEE SCHEDULE OF QUANTITIES FOR SIGN LOG.
 2. SIGNS DESIGNATED WITH AN * SHALL BE SALVAGED.

LEGEND

	EXISTING RIGHT-OF-WAY
--	-----------------------

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 11000 Professional Design Firm # 184-000158
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 www.secgroupinc.com
 *McHenry, IL *Mokena, IL *New Lenox, IL *Orland Park, IL

USER NAME = RBast	DESIGNED - BDC	REVISED -
PLOT SCALE = 1" = 50'	DRAWN - RCB	REVISED -
PLOT DATE = 11/8/2011	CHECKED - APS	REVISED -
	DATE = 11/8/11	REVISED -

**ILLINOIS DEPARTMENT OF TRANSPORTATION
 PROPOSED ROADWAY IMPROVEMENTS
 C.H. 52 (GOUGAR ROAD) AT U.S. ROUTE 30**

SIGNING PLAN

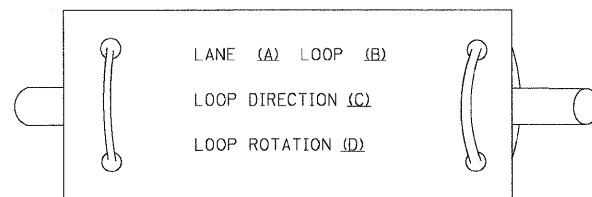
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F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
367	07-00154-11-TL	WILL	70	29
CONTRACT NO. 63597				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

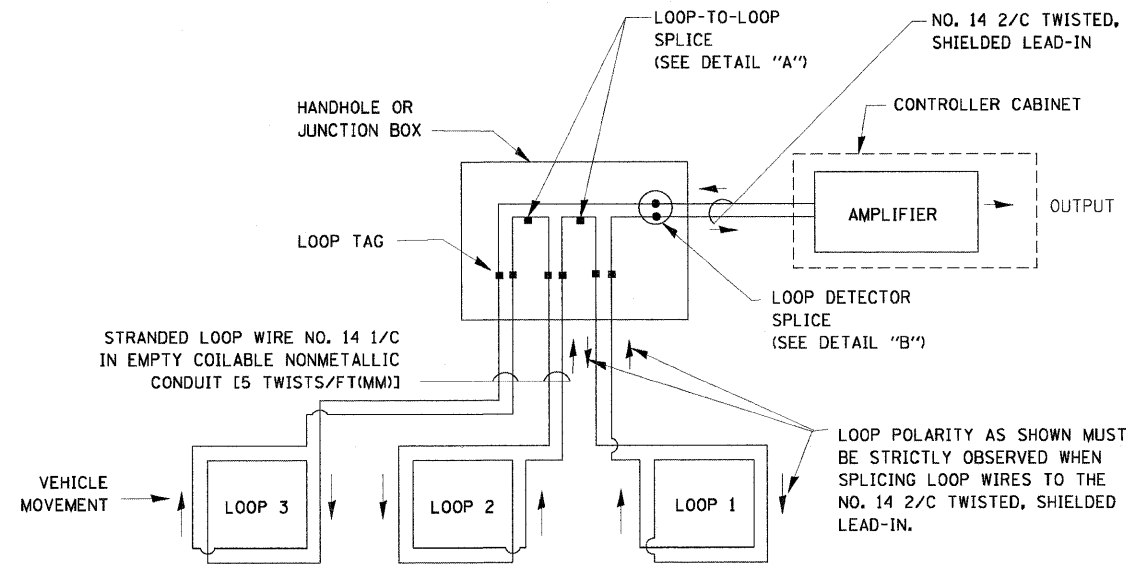
LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

LOOP LEAD-IN CABLE TAG

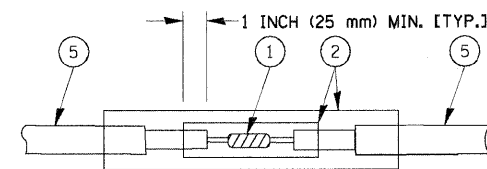


- A. LANE #1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

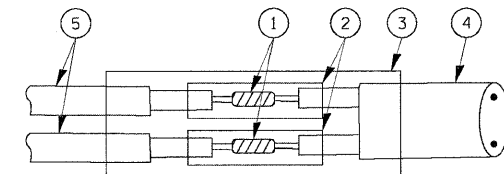


DETECTOR LOOP WIRING SCHEMATIC

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

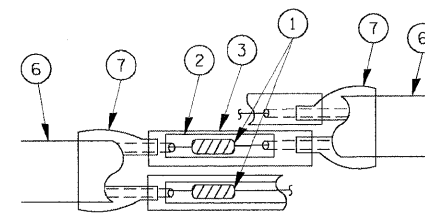


**DETAIL "A"
LOOP-TO-LOOP SPLICE**

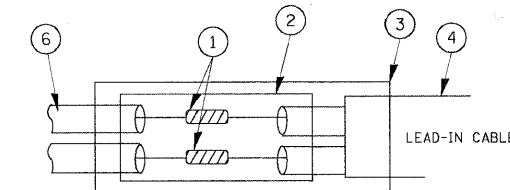


**DETAIL "B"
LOOP-TO-CONTROLLER SPLICE**

TYPE I LOOP



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



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

PREFORMED LOOP

LOOP DETECTOR SPLICE

- 1 WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH.
- 2 WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- 3 WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- 4 NO. 14 2/C TWISTED, SHIELDED CABLE.
- 5 LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.
- 6 PREFORMED LOOP
- 7 XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

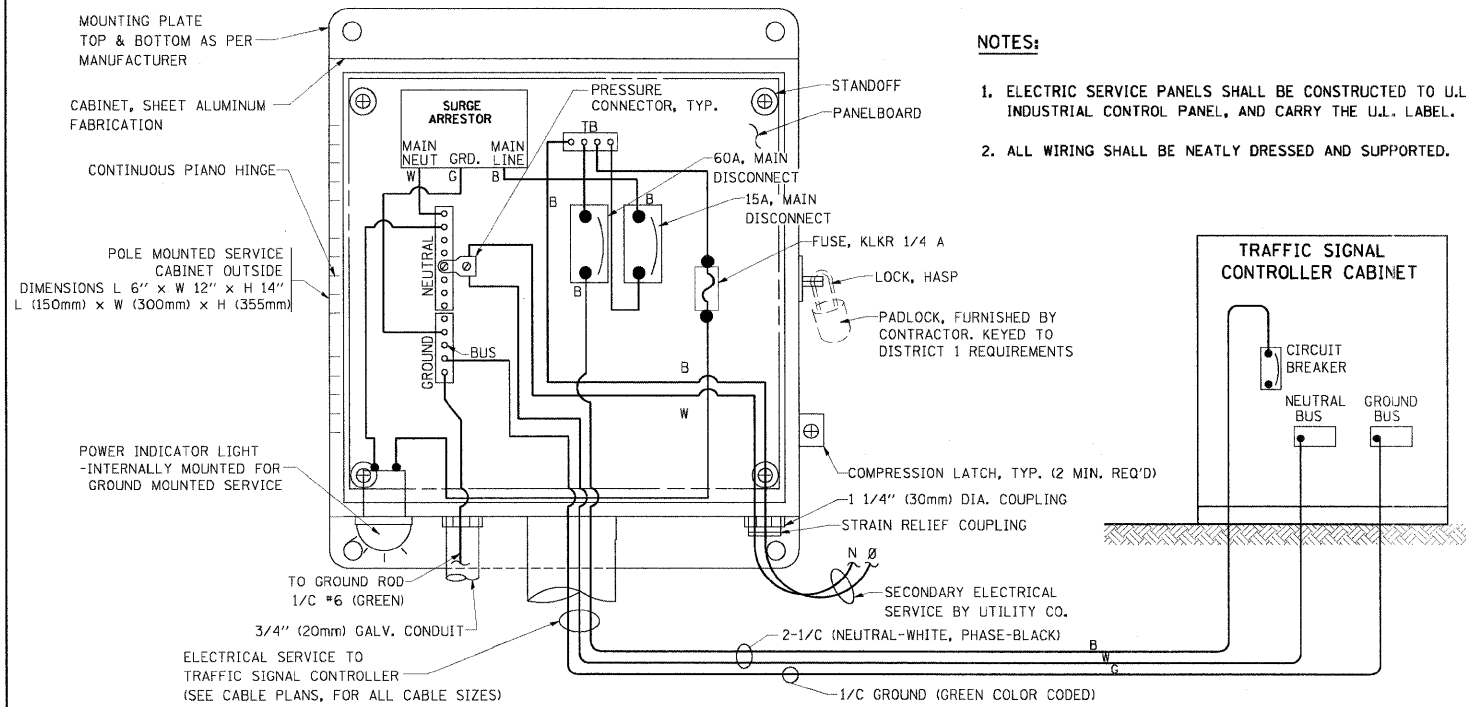
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
367	07-00154-11-TL	WILL	70	30
FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 63597	

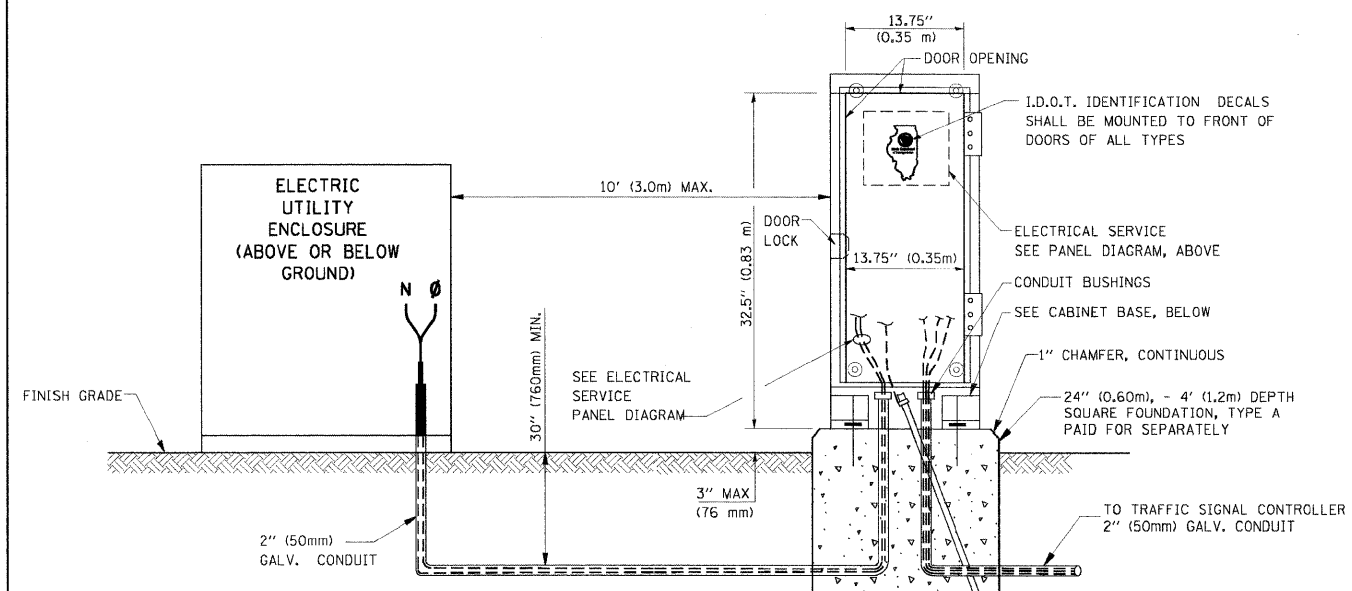
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PROJECT: STANDARD TRAFFIC SIGNAL DESIGN
 FILE NAME: 07-00154-11-TL
 USER: BCK
 DATE: 11/4/2009

FILE NAME =	USER NAME = bauerdl	DESIGNED - DAD	REVISED -
07-00154-11-TL	edgn	DRAWN - BCK	REVISED -
PLOT SCALE = 50.0000' / 1"		CHECKED - DAD	REVISED -
PLOT DATE = 11/4/2009		DATE - 10-28-09	REVISED -

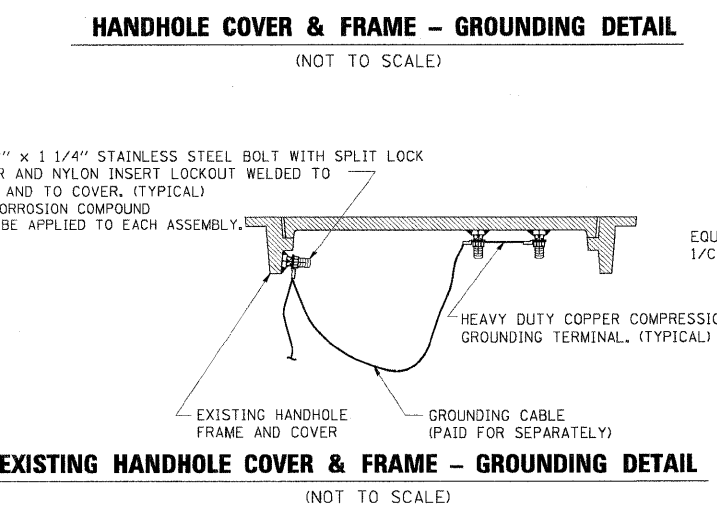
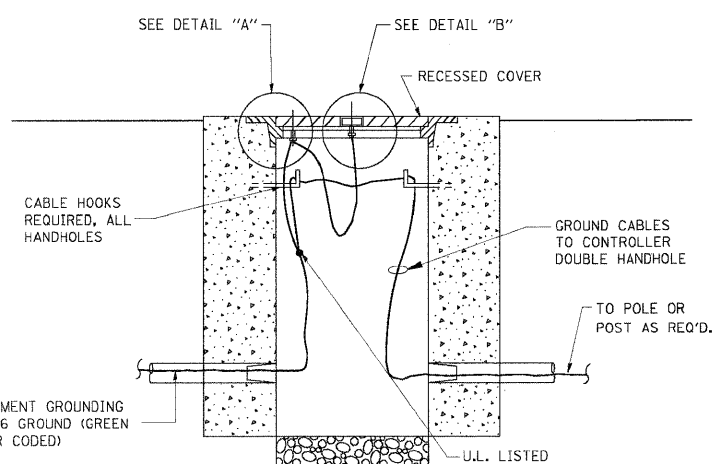
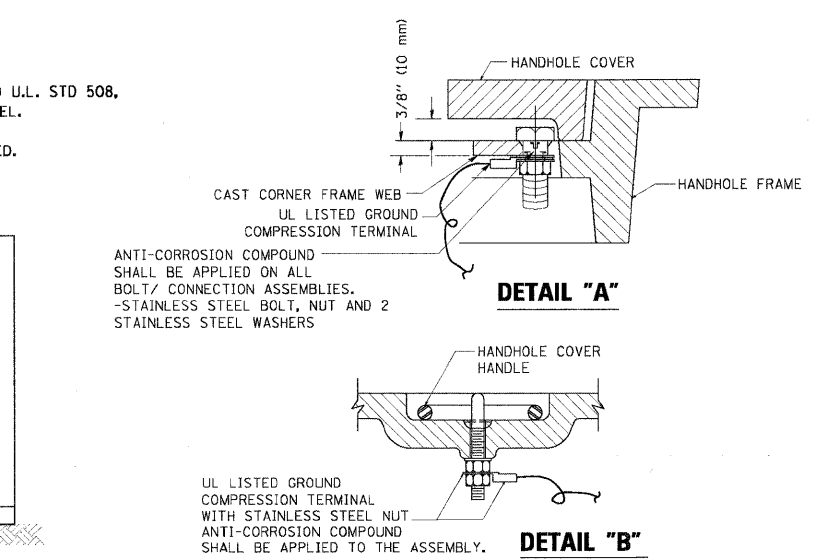


ELECTRICAL SERVICE - PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
 (NOT TO SCALE)

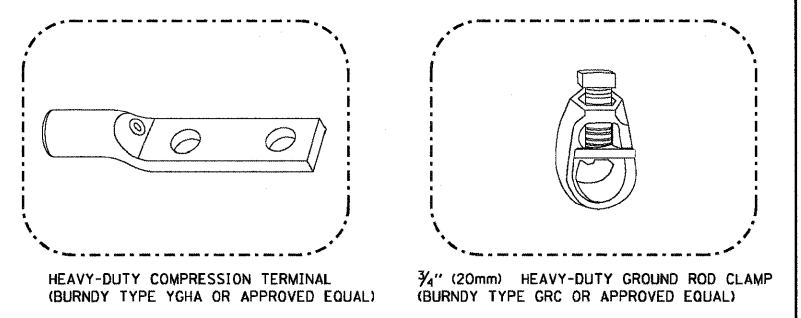


SERVICE INSTALLATION GROUND MOUNT
 (NOT TO SCALE)

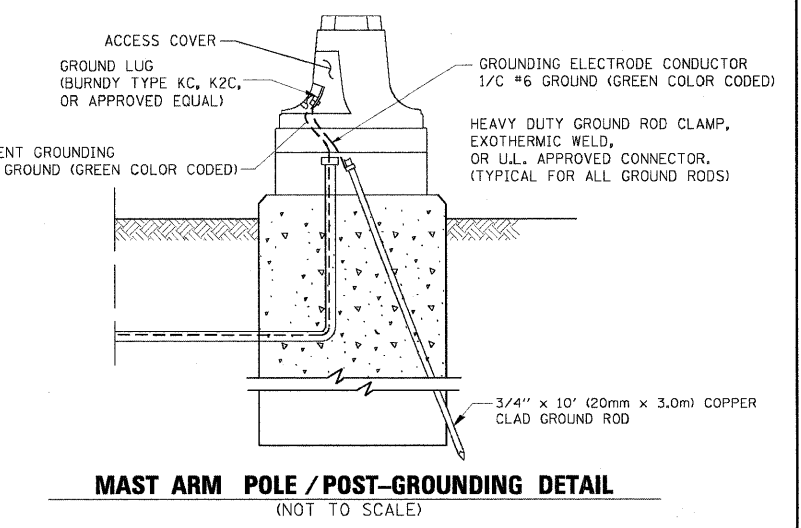
CABINET - BASE BOLT PATTERN
 (NOT TO SCALE)



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

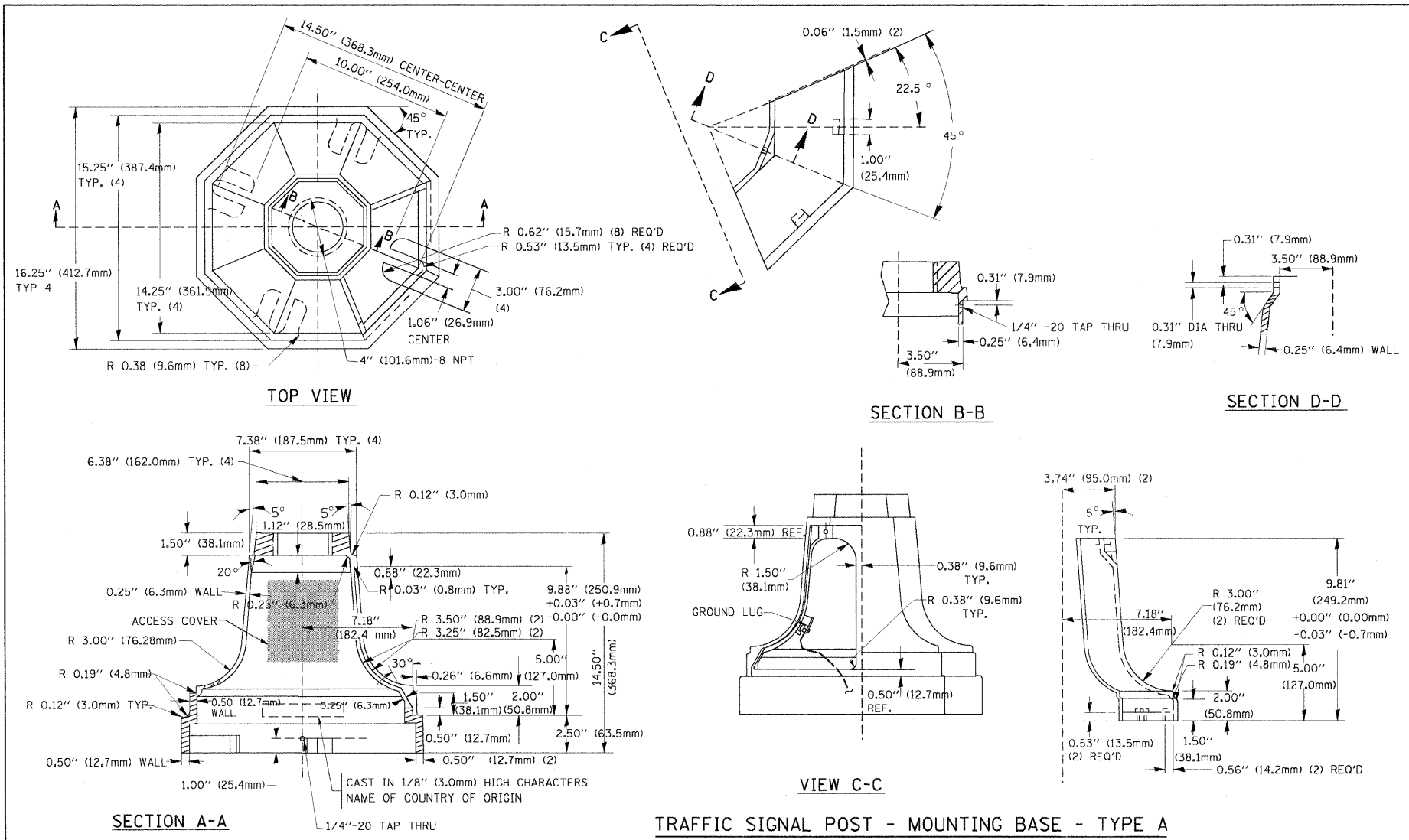


- NOTES:**
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
 - GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.

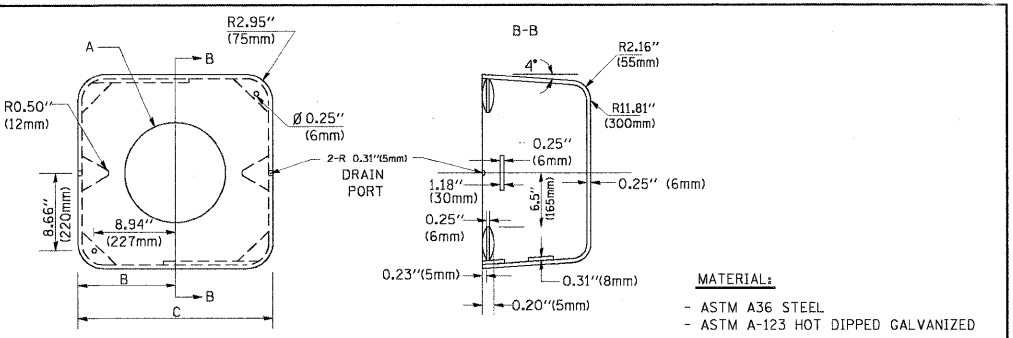


PROJECT: ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE
 FILE NAME: C:\pwwork\LPWIDOT\BAUER\DL\0109315\ts05.dgn
 PLOT SCALE: 50.0000' / 1" IN.
 PLOT DATE: 11/4/2009

FILE NAME =	USER NAME = bauerdl	DESIGNED - DAD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS		F.A. RTE. 367	SECTION 07-00154-11-TL	COUNTY WILL	TOTAL SHEETS 70	SHEET NO. 32	
DESIGNED - DAD	DRAWN - BCK	CHECKED - DAD	REVISED -		SCALE: NONE	SHEET NO. 3 OF 6 SHEETS	STA. TO STA.	TS-05		CONTRACT NO. 63597		
PLOT SCALE = 50.0000' / 1" IN.	CHECKED - DAD	DATE - 10-28-09	REVISED -						FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT			
PLOT DATE = 11/4/2009	DATE - 10-28-09	REVISED -	REVISED -									



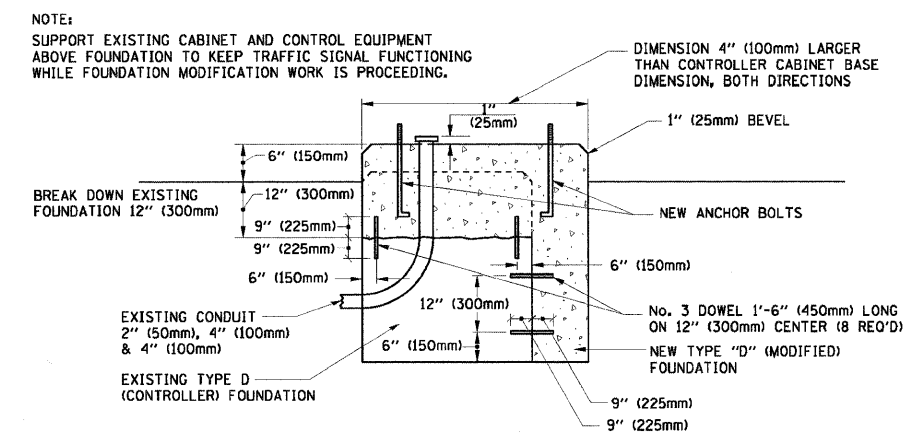
TRAFFIC SIGNAL POST - MOUNTING BASE - TYPE A



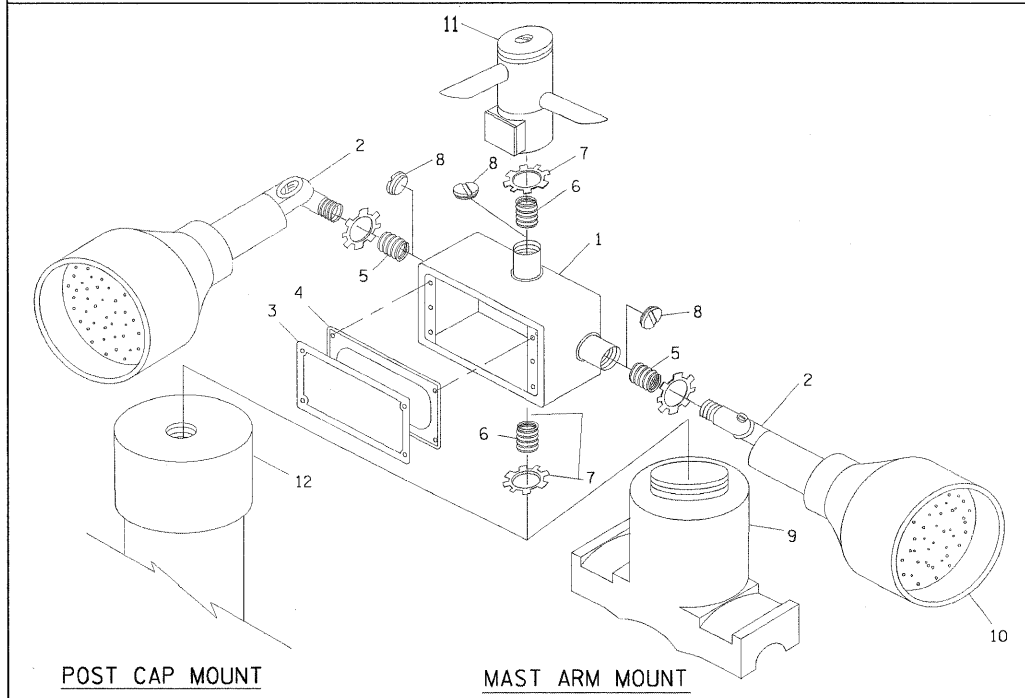
A	B	C	HEIGHT	WEIGHT
VARIES	9.5" (241mm)	19" (483mm)	7" (178mm) - 12" (300mm)	53 lbs (24kg)
VARIES	10.75" (273mm)	21.5" (546mm)	7" (178mm) - 12" (300mm)	68 lbs (31 kg)
VARIES	13.0" (330mm)	26" (660mm)	7" (178mm) - 12" (300mm)	81 lbs (37 kg)
VARIES	18.5" (470mm)	37" (940mm)	7" (178mm) - 12" (300mm)	126 lbs (57 kg)

SHROUD

- NOTES:
- DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
 - THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
 - THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.



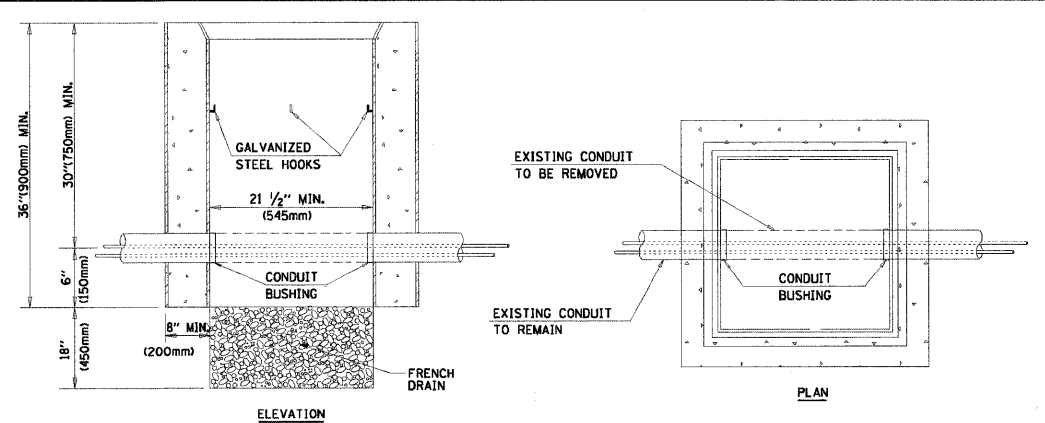
MODIFY EXISTING TYPE "D" FOUNDATION



EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

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

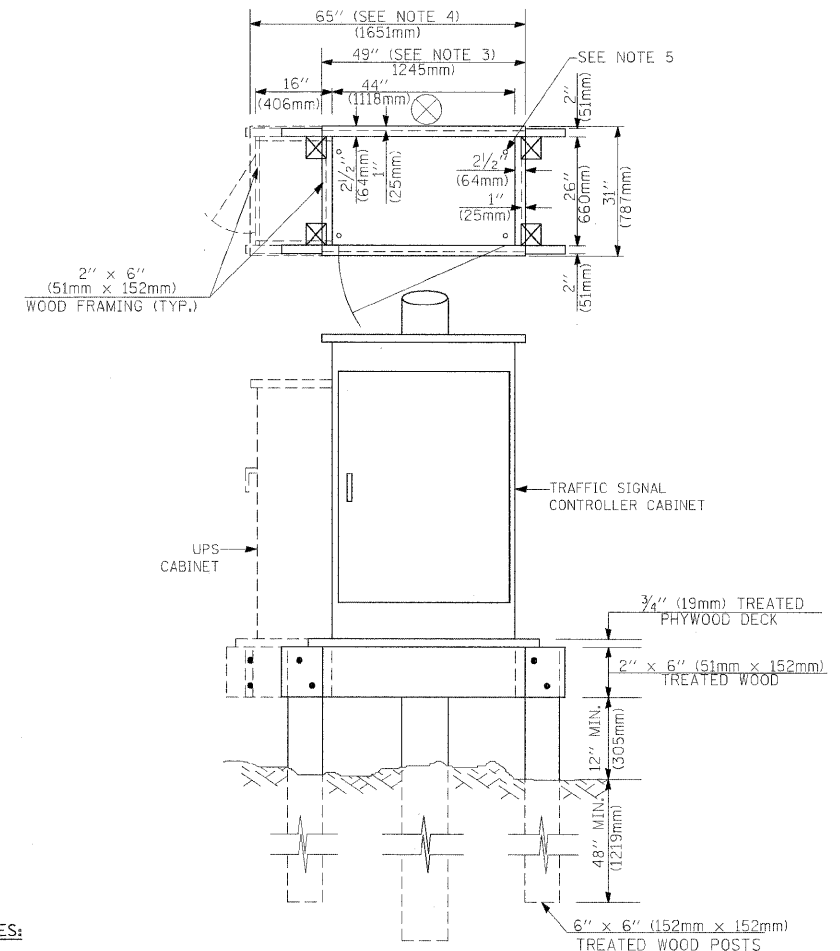
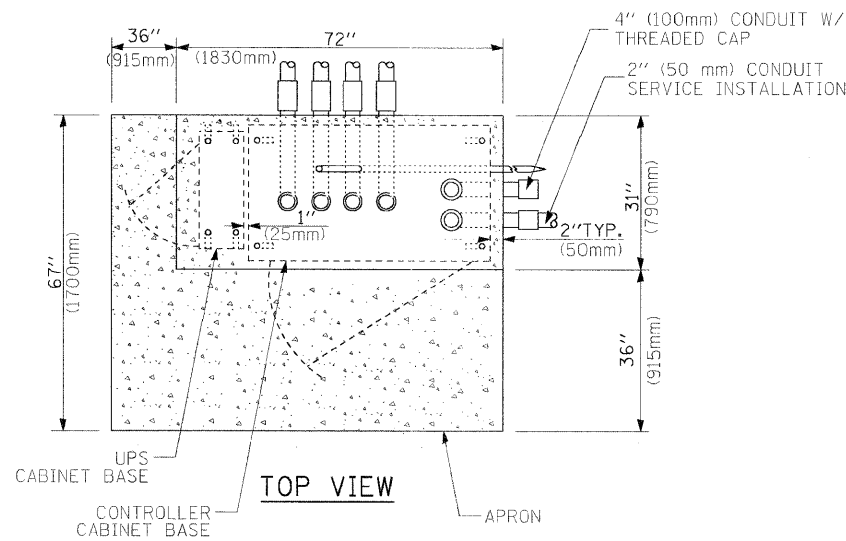
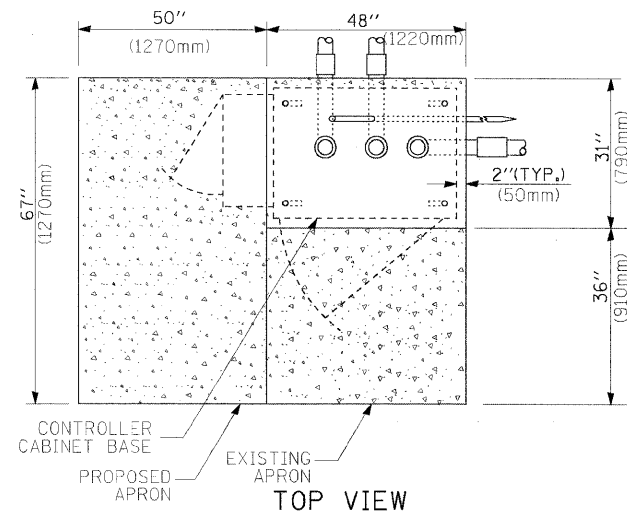
- NOTES:
- ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
 - ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
 - WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED.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



- NOTES:
- HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
 - REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCIDENTAL TO THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT

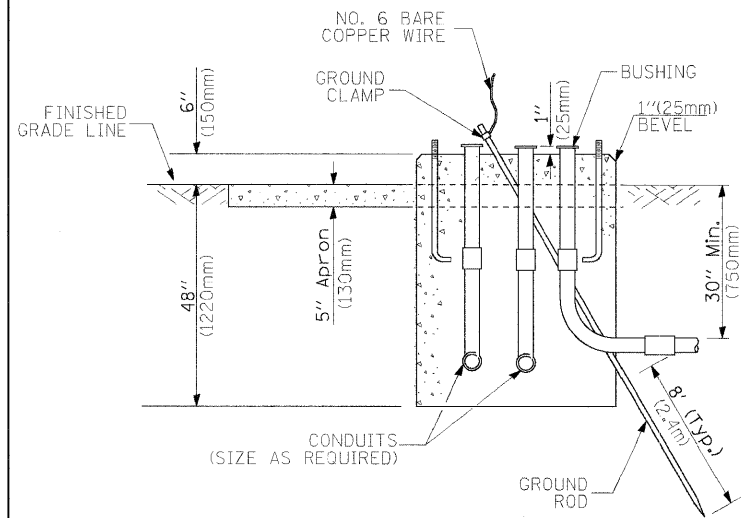
FILE NAME =
 USER NAME = bauerdl
 DESIGNED - DAD
 DRAWN - BCK
 CHECKED - DAD
 DATE - 10-28-09
 PLOT SCALE = 50.0000 / / IN.
 PLOT DATE = 11/4/2009



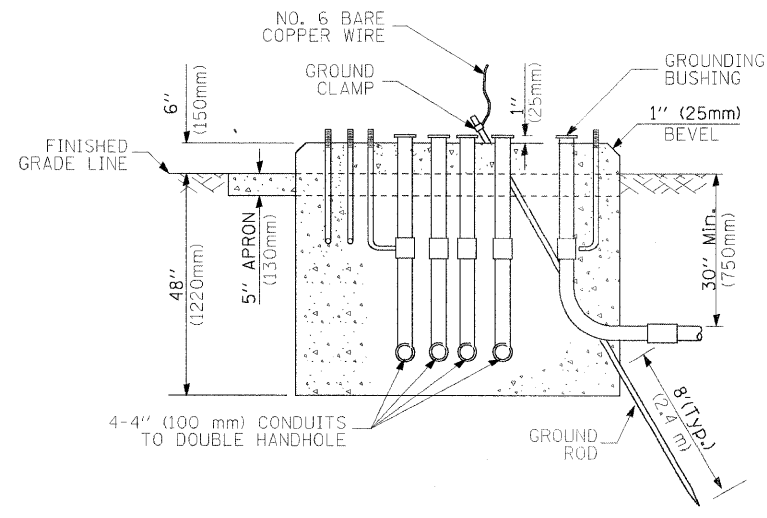
NOTES:

1. BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
5. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION.

TEMPORARY SIGNAL CONTROLLER WOOD SUPPORT PLATFORM



TYPE D FOR GROUND MOUNTED CONTROLLER CABINET AND UPS BATTERY CABINET



TYPE C FOR GROUND MOUNTED CONTROLLER CABINET AND UPS BATTERY CABINET

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

CABLE SLACK

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0-H	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

VERTICAL CABLE LENGTH

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

DEPTH OF FOUNDATION

MAST ARM LENGTH	FOUNDATION DEPTH	FOUNDATION DIAMETER	SPIRAL DIAMETER	QUANTITY OF REBARS	SIZE OF REBARS
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (QU) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & structures should be contacted for a revised design if other conditions are encountered.
2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations.
4. For mast arm assemblies with dual arms refer to state standard 878001.

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS

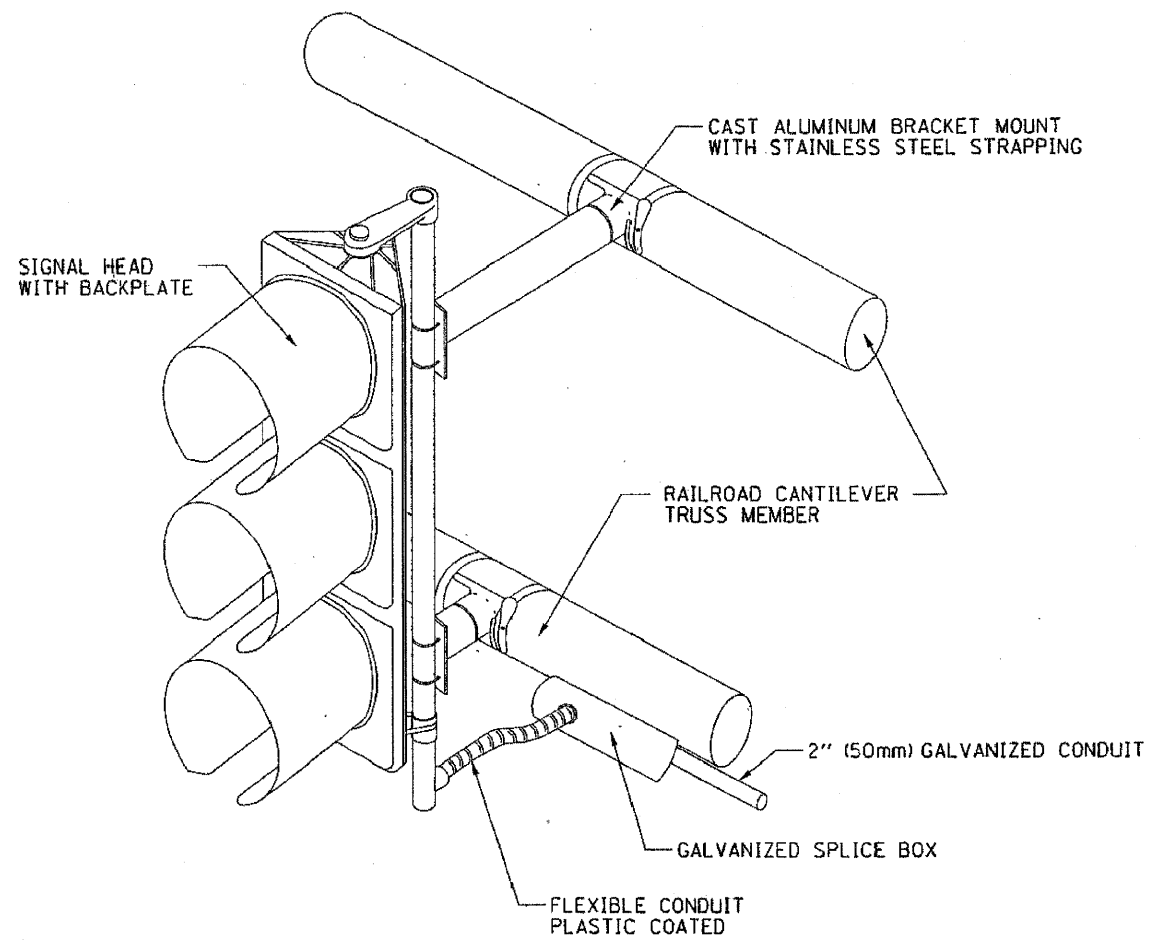
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		CHECKED - DAD	REVISED -
		DATE - 10-28-09	REVISED -

SCALE: NONE	SHEET NO. 5 OF 6 SHEETS	STA. TO STA.	F.A. RTE. 367	SECTION 07-00154-11-TL	COUNTY WILL	TOTAL SHEETS 70	SHEET NO. 34
			TS-05		CONTRACT NO. 63597		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							

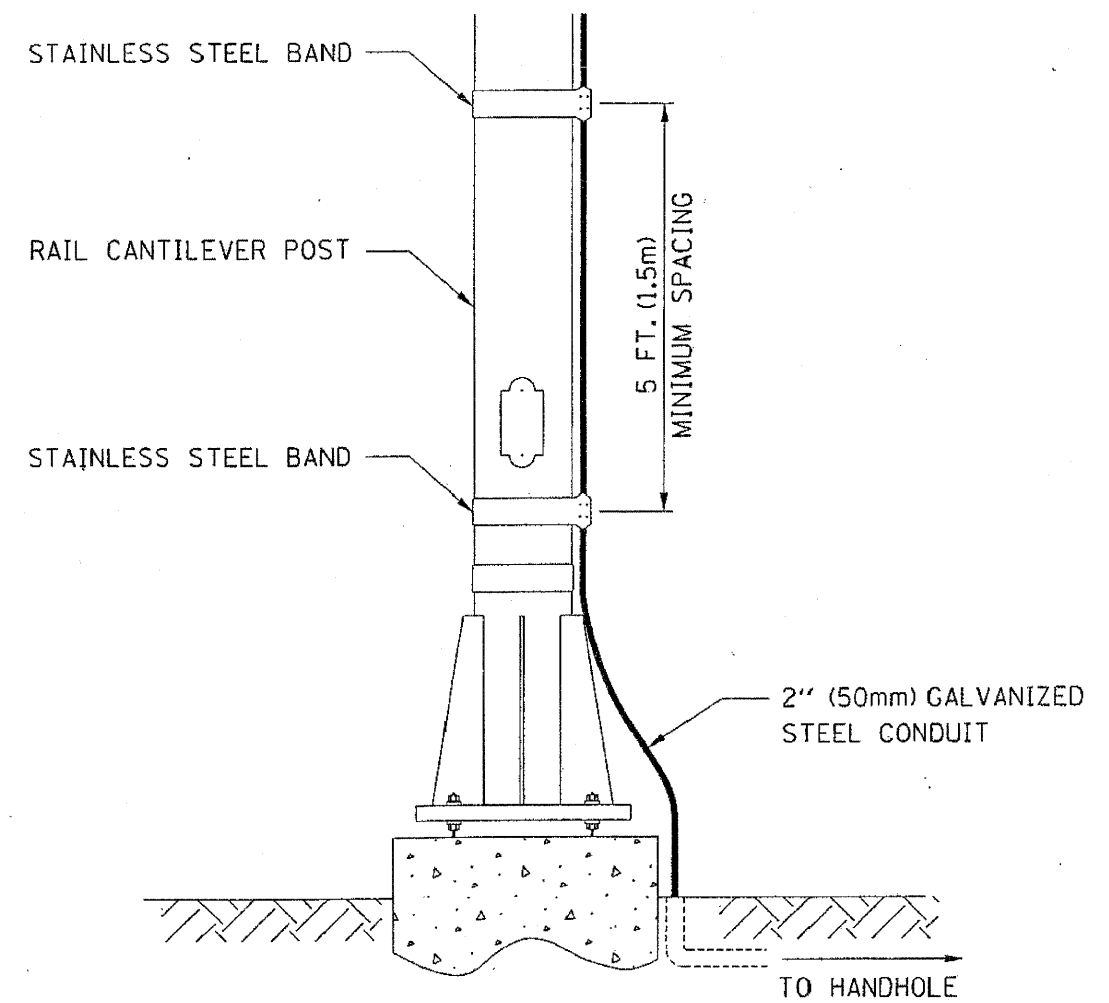
TRAFFIC SIGNAL LEGEND

ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED																	
CONTROLLER CABINET				EMERGENCY VEHICLE LIGHT DETECTOR				ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1/C, UNLESS NOTED OTHERWISE																				
RAILROAD CONTROL CABINET				CONFIRMATION BEACON				COAXIAL CABLE																				
COMMUNICATIONS CABINET				HANDHOLE				VENDOR CABLE FOR CAMERA																				
MASTER CONTROLLER				HEAVY DUTY HANDHOLE				COPPER INTERCONNECT CABLE, NO. 18 3 PAIR TWISTED, SHIELDED																				
MASTER MASTER CONTROLLER				DOUBLE HANDHOLE				FIBER OPTIC CABLE NO. 62.5/125, MM12F																				
UNINTERRUPTIBLE POWER SUPPLY				JUNCTION BOX				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM12F																				
SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT				GALVANIZED STEEL CONDUIT IN TRENCH (T) OR PUSHED (P)				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM12F																				
TELEPHONE CONNECTION (P) POLE OR (G) GROUND MOUNT				TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE				FIBER OPTIC CABLE NO. 62.5/125, (NUMBER OF FIBERS & TYPE TO BE NOTED ON PLANS)																				
STEEL MAST ARM ASSEMBLY AND POLE				COMMON TRENCH				GROUND ROD AT (C) CONTROLLER, (H) HANDHOLE, (P) POST, (M) MAST ARM, OR (S) SERVICE																				
ALUMINUM MAST ARM ASSEMBLY AND POLE				COILABLE NONMETALLIC CONDUIT (EMPTY)				CONTROLLER CABINET AND FOUNDATION TO BE REMOVED																				
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE				SYSTEM ITEM		S	S	STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED																				
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH PTZ CAMERA				INTERSECTION ITEM		I	IP	ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED																				
SIGNAL POST				REMOVE ITEM	R			STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE AND FOUNDATION TO BE REMOVED																				
TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MINIMUM				RELOCATE ITEM	RL			SIGNAL POST AND FOUNDATION TO BE REMOVED																				
GUY WIRE				ABANDON ITEM	A			INTERSECTION & SAMPLING (SYSTEM) DETECTOR																				
SIGNAL HEAD				12" (300mm) TRAFFIC SIGNAL SECTION				SAMPLING (SYSTEM) DETECTOR																				
SIGNAL HEAD CONSTRUCTION STAGES (NUMBERS INDICATE THE CONSTRUCTION STAGE)				12" (300mm) RED WITH 8" (200mm) YELLOW AND GREEN TRAFFIC SIGNAL FACE				EXISTING INTERSECTION LOOP DETECTOR PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR																				
SIGNAL HEAD WITH BACKPLATE				SIGNAL FACE				EXISTING PREFORMED INTERSECTION LOOP DETECTOR PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR																				
SIGNAL HEAD OPTICALLY PROGRAMMED				SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD				PREFORMED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR																				
FLASHER INSTALLATION (S DENOTES SOLAR POWER)				12" (300mm) PEDESTRIAN SIGNAL HEAD WALK/DON'T WALK SYMBOL				PREFORMED SAMPLING (SYSTEM) DETECTOR																				
PEDESTRIAN SIGNAL HEAD				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, OUTLINED				<h2 style="margin: 0;">RAILROAD SYMBOLS</h2> <table style="width: 100%; border: none;"> <thead> <tr> <th style="width: 50%;"></th> <th style="width: 25%; text-align: center;">EXISTING</th> <th style="width: 25%; text-align: center;">PROPOSED</th> </tr> </thead> <tbody> <tr> <td>RAILROAD CONTROL CABINET</td> <td style="text-align: center;"></td> <td style="text-align: center;"></td> </tr> <tr> <td>RAILROAD CANTILEVER MAST ARM</td> <td style="text-align: center;"></td> <td style="text-align: center;"></td> </tr> <tr> <td>FLASHING SIGNAL</td> <td style="text-align: center;"></td> <td style="text-align: center;"></td> </tr> <tr> <td>CROSSING GATE</td> <td style="text-align: center;"></td> <td style="text-align: center;"></td> </tr> <tr> <td>CROSSBUCK</td> <td style="text-align: center;"></td> <td style="text-align: center;"></td> </tr> </tbody> </table>				EXISTING	PROPOSED	RAILROAD CONTROL CABINET			RAILROAD CANTILEVER MAST ARM			FLASHING SIGNAL			CROSSING GATE			CROSSBUCK		
	EXISTING	PROPOSED																										
RAILROAD CONTROL CABINET																												
RAILROAD CANTILEVER MAST ARM																												
FLASHING SIGNAL																												
CROSSING GATE																												
CROSSBUCK																												
PEDESTRIAN PUSHBUTTON DETECTOR				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, SOLID																								
ACCESSIBLE PEDESTRIAN PUSHBUTTON DETECTOR				PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOL, WITH COUNTDOWN TIMER																								
ILLUMINATED SIGN "NO LEFT TURN"				RADIO INTERCONNECT																								
ILLUMINATED SIGN "NO RIGHT TURN"				RADIO REPEATER																								
DETECTOR LOOP, TYPE I				DENOTES NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE, ALL DETECTOR LOOP CABLE TO BE SHIELDED																								
PREFORMED DETECTOR LOOP				GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)																								
MICROWAVE VEHICLE SENSOR																												
VIDEO DETECTION CAMERA																												
VIDEO DETECTION ZONE																												
PAN, TILT, ZOOM CAMERA																												
WIRELESS DETECTOR SENSOR																												
WIRELESS ACCESS POINT																												

PROJECT CONTROL: BUREAU OF TRANSPORTATION
 PLANNING AND DESIGN DIVISION
 500 NORTH LAKE STREET, SUITE 1000
 CHICAGO, ILLINOIS 60606-7000
 TEL: (773) 309-3000 FAX: (773) 309-3001



RAILROAD CANTILEVER SIGNAL HEAD MOUNTING



SIGNAL CONDUIT CONNECTION TO RAIL CANTILEVER DETAIL

USE NON-CONDUCTIVE SPACERS BETWEEN THE TRAFFIC SIGNAL EQUIPMENT AND THE RAILROAD CANTILEVER TO PREVENT DISSIMILAR METAL CORROSION.

PROJECT: CANTILEVER SIGNALS AT U.S. ROUTE 367, ILL. COUNTY: WILL
 DRAWN: M.J.F. DATE: 11/8/11
 CHECKED: A.P.S. DATE: 11/8/11
 DESIGNED: M.J.F. DATE: 11/8/11

SEC Group, Inc.
 An IRI Group Company
 323 Adams Drive
 New Lenox, Illinois 60451
 P: 815.462.0324 F: 815.462.0328
 www.secgroupinc.com
 *McHenry, IL *Yorkville, IL *New Lenox, IL *Chicago, IL

USER NAME = RBes c	DESIGNED - MJF	REVISED -
PLOT SCALE = NONE	DRAWN - MJF	REVISED -
PLOT DATE = 11/8/2011	CHECKED - APS	REVISED -
	DATE - 11/8/11	REVISED -

**ILLINOIS DEPARTMENT OF TRANSPORTATION
 PROPOSED ROADWAY IMPROVEMENTS
 C.H. 52 (GOUGAR ROAD) AT U.S. ROUTE 30**

DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS	
SCALE: NONE	SHEET NO. 7 OF 7 SHEETS
STA.	TO STA.

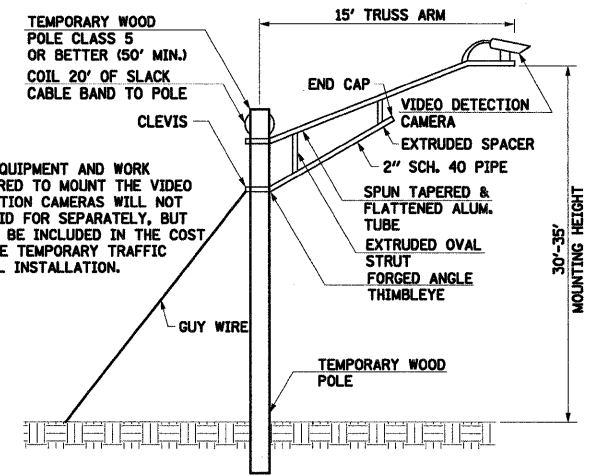
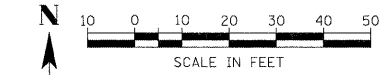
F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
367	07-00154-11-TL	WILL	70	36
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				
CONTRACT NO. 63597				

NOTES FOR TEMPORARY TRAFFIC SIGNALS

1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
2. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
6. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
7. UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL, TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.
8. TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
9. DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
10. WHEN PAN, TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR ARE CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.
11. ALL LABOR AND MATERIAL REQUIRED TO COMPLY WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE CONTRACT BID PRICE FOR TEMPORARY TRAFFIC SIGNAL INSTALLATION.

- * INSTALL TEMPORARY CONDUIT IN ORDER TO CONNECT THE TEMPORARY TRAFFIC SIGNALS. THE PROPOSED HANDHOLE ON THE NORTH SIDE OF THE RAILROAD TRACKS AND THE PERMANENT CONDUIT THAT RUNS UNDERNEATH THE RAILROAD TRACKS SHALL BE INSTALLED IN CONJUNCTION WITH THE TEMPORARY TRAFFIC SIGNALS.
- ** INSTALL TEMPORARY RADIO INTERCONNECT IN ORDER TO MAINTAIN THE EXISTING INTERCONNECT TO WASHINGTON STREET AND I-80 WEST RAMP DURING TEMPORARY TRAFFIC SIGNAL INSTALLATION (SEE SPECIAL PROVISIONS).
- *** THE POLE MOUNTED SIGNAL HEADS SHALL BE MOUNTED SO THAT THE BOTTOM OF THE SIGNAL HOUSING IS 8 FEET ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY. THE SOUTHBOUND PRE-SIGNALS SHALL NOT OBSTRUCT THE RAILROAD WARNING DEVICES.

- NOTES:
1. SEE TEMPORARY TRAFFIC SIGNAL INSTALLATION STAGE 2 FOR TEMPORARY SIGNAGE.
 2. SEE INTERCONNECT PLANS FOR THE TEMPORARY INTERCONNECT AND PROPOSED INTERCONNECT REQUIREMENTS.



NOTE: THE EQUIPMENT AND WORK REQUIRED TO MOUNT THE VIDEO DETECTION CAMERAS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.

TEMPORARY VIDEO DETECTION CAMERA MOUNTING DETAIL

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

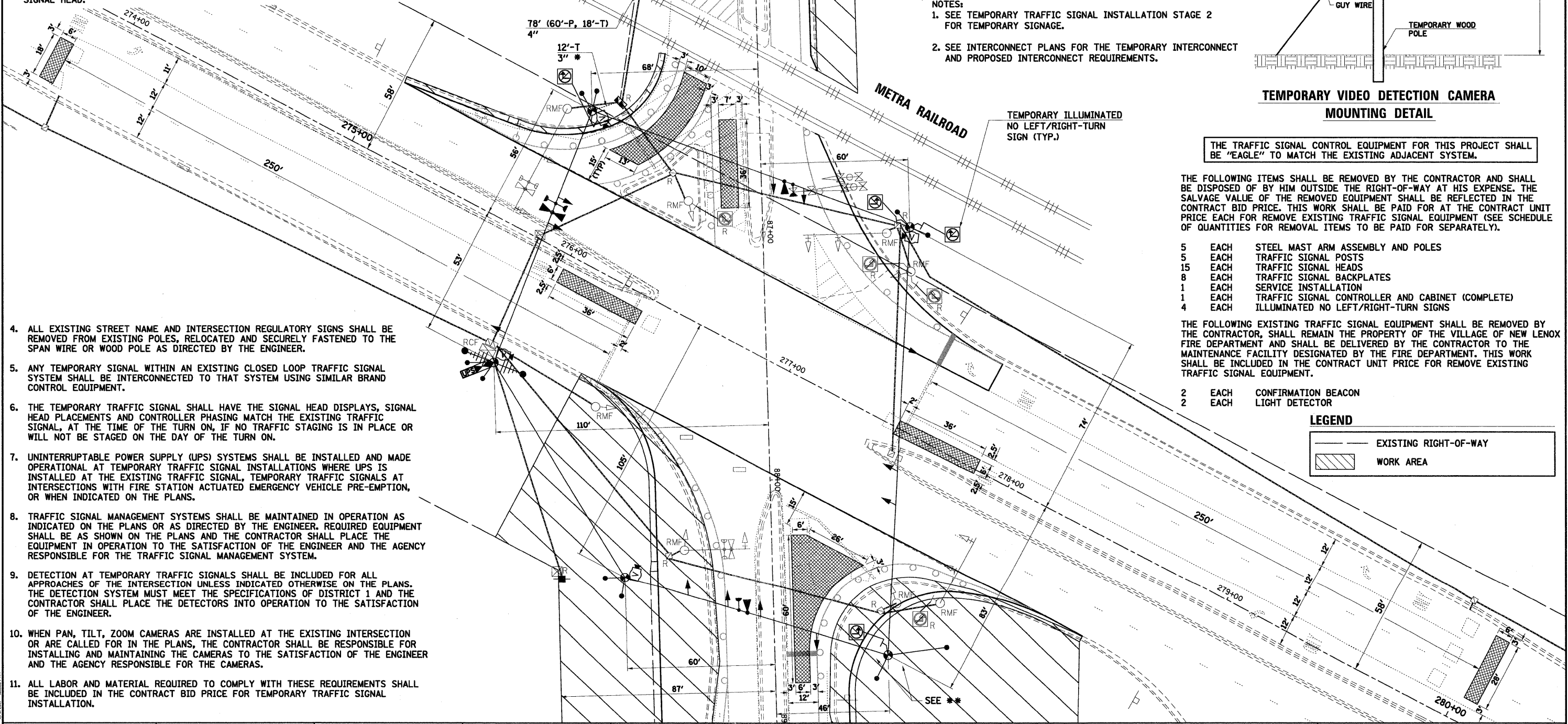
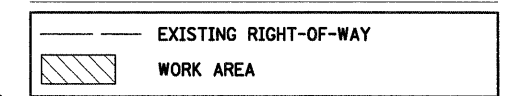
THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY HIM OUTSIDE THE RIGHT-OF-WAY AT HIS EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE. THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT (SEE SCHEDULE OF QUANTITIES FOR REMOVE ITEMS TO BE PAID FOR SEPARATELY).

- 5 EACH STEEL MAST ARM ASSEMBLY AND POLES
- 5 EACH TRAFFIC SIGNAL POSTS
- 15 EACH TRAFFIC SIGNAL HEADS
- 8 EACH TRAFFIC SIGNAL BACKPLATES
- 1 EACH SERVICE INSTALLATION
- 1 EACH TRAFFIC SIGNAL CONTROLLER AND CABINET (COMPLETE)
- 4 EACH ILLUMINATED NO LEFT/RIGHT-TURN SIGNS

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE VILLAGE OF NEW LENOX FIRE DEPARTMENT AND SHALL BE DELIVERED BY THE CONTRACTOR TO THE MAINTENANCE FACILITY DESIGNATED BY THE FIRE DEPARTMENT. THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT.

- 2 EACH CONFIRMATION BEACON
- 2 EACH LIGHT DETECTOR

LEGEND



SEC Group, Inc.
 An IRI Group Company
 323 Adams Drive
 New Lenox, Illinois 60451
 815.462.9224 • 815.462.9228
 www.secgroup.com

USER NAME = RB09t	DESIGNED - MJF	REVISED -
PLOT SCALE = 1"=20'	DRAWN - MJF	REVISED -
PLOT DATE = 11/8/2011	CHECKED - APS	REVISED -
	DATE - 11/8/11	REVISED -

**ILLINOIS DEPARTMENT OF TRANSPORTATION
 PROPOSED ROADWAY IMPROVEMENTS
 C.H. 52 (GOUGAR ROAD) AT U.S. ROUTE 30**

TEMPORARY TRAFFIC SIGNAL INSTALLATION AND EXISTING TRAFFIC SIGNAL EQUIPMENT TO BE REMOVED - STAGE 1

SCALE: 1"=20'	SHEET NO. OF SHEETS	STA. TO STA.
---------------	---------------------	--------------

F.A.U. RTE. 367	SECTION NO. 07-00154-11-TL	COUNTY WILL	TOTAL SHEETS 70	SHEET NO. 37
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 63597	



W10-1-3636*
STA 85+00, 44' RT

DO NOT STOP ON TRACKS

R8-8-2430*

STOP HERE ON RED

R10-6A-2436*

NO TURN ON RED

R10-11-2430*

STA 85+60, 44' RT

R8-8-2430*

DO NOT STOP ON TRACKS

STA 86+35, 49' RT

DO NOT STOP ON TRACKS

R8-8-2430*

STOP HERE ON RED

R10-6A-2436*

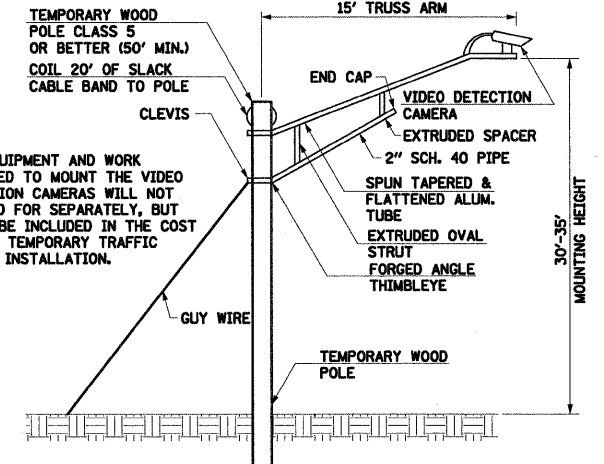
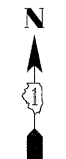
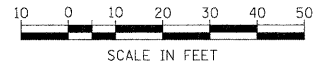
STA 85+55, 3' RT

DO NOT STOP ON TRACKS

R8-8-2430*

STA 86+80, 2' LT

TEMPORARY ILLUMINATED NO LEFT/RIGHT-TURN SIGN (TYP.)

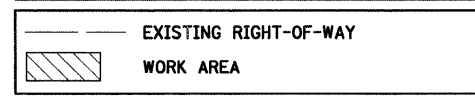


NOTE: THE EQUIPMENT AND WORK REQUIRED TO MOUNT THE VIDEO DETECTION CAMERAS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE TEMPORARY TRAFFIC SIGNAL INSTALLATION.

TEMPORARY VIDEO DETECTION CAMERA MOUNTING DETAIL

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

LEGEND



ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED ROADWAY IMPROVEMENTS
C.H. 52 (GOUGAR ROAD) AT U.S. ROUTE 30



STA 88+95, 38' LT

PROJECT: C.H. 52, GOUGAR ROAD, CANTON, ILL.
DRAWING: TRAFFIC SIGNAL INSTALLATION
DATE: 11/8/2011

SEC Group, Inc.
An HRI Group Company
323 Main Street
New Leno, Illinois 62451
t: 815-462-2000 f: 815-462-6028
www.secgrp.com
442 Perry St., Rockville, IL, New Leno, IL, Chicago, IL

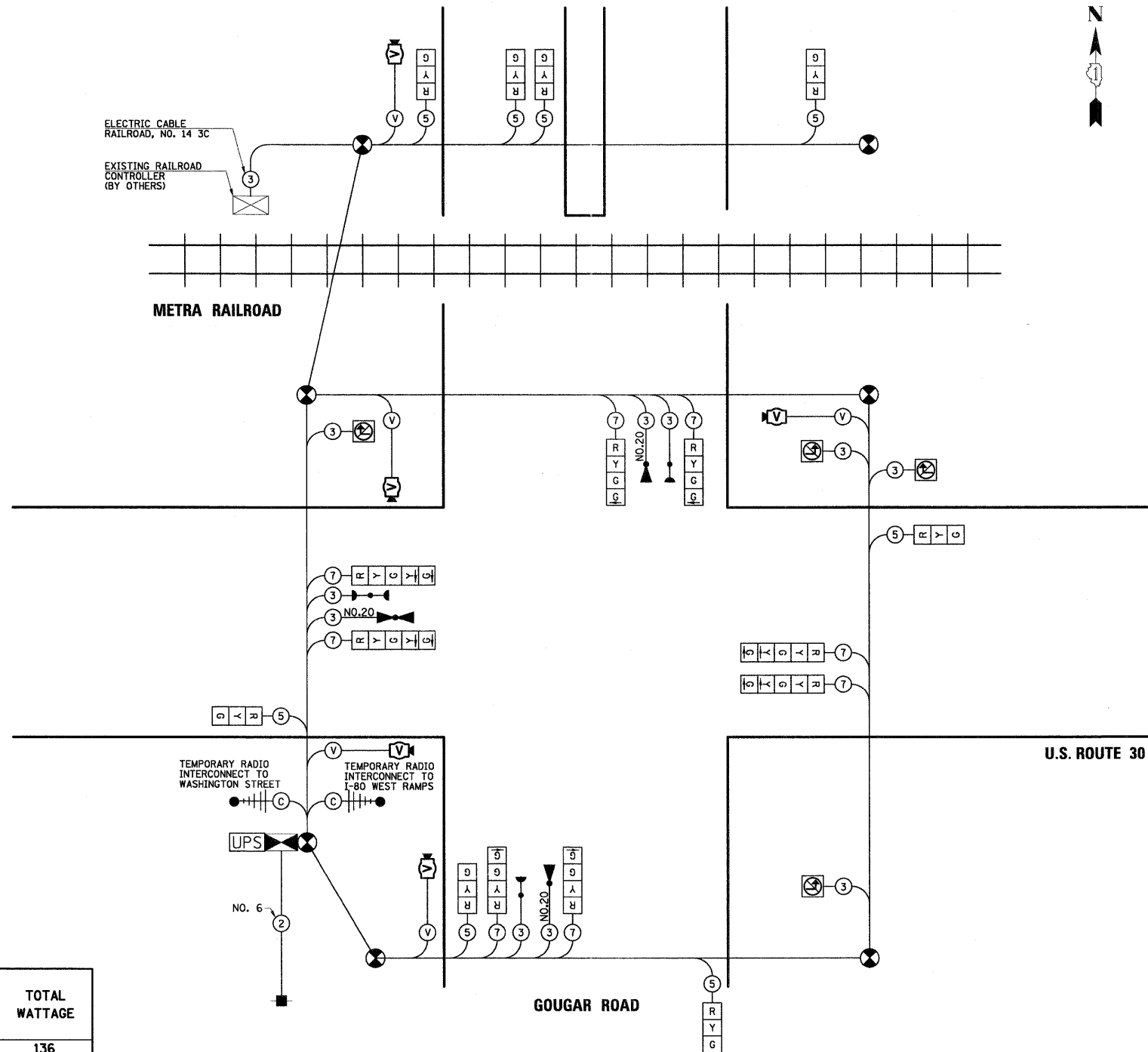
USER NAME =	RBest
PLOT SCALE =	1"=20'
PLOT DATE =	11/8/2011

DESIGNED -	MJF
DRAWN -	MJF
CHECKED -	APS
DATE -	11/8/11

REVISED -	
REVISED -	
REVISED -	
REVISED -	

TEMPORARY TRAFFIC SIGNAL INSTALLATION - STAGE 2			
SCALE:	1"=20'	SHEET NO. OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
367	07-00154-11-TL	WILL	70	38
FED. ROAD DIST. NO.				ILLINOIS FED. AID PROJECT
				CONTRACT NO. 63597



I.D.O.T TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					
TYPE	NO. LAMPS	WATTAGE		% OPERATION	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	16		17	0.50	136
(YELLOW)	16		25	0.25	100
(GREEN)	20		15	0.25	75
ARROW	8		12	0.10	12
CONTROLLER	1		100	1.00	100
UPS	1		25	1.00	25
VIDEO SYSTEM	1		15	1.00	15
ILLUM. NO TURN	4		25	0.10	10
TOTAL =					473.0
ENERGY COSTS TO:					ILLINOIS DEPARTMENT OF TRANSPORTATION 201 WEST CENTER COURT SCHAUMBURG, ILLINOIS 60196-1096
ENERGY SUPPLY CONTACT:					MARK ANDERSON PHONE: (815) 724-5988 COMPANY: COMMONWEALTH EDISON

NOTE:
SEE INTERCONNECT PLANS FOR THE TEMPORARY INTERCONNECT AND PROPOSED INTERCONNECT REQUIREMENTS.

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

PROJECT: C.H. 52, GOUGAR ROAD, SCHUMBERG, ILL. COUNTY: DEWITT
 DRAWING: 07-00154-11-TL SHEET NO. 39 OF 70
 DATE: 11/8/2011

SEC Group, Inc.
 An IRI Group Company
 222 North 21st
 Schaumburg, Illinois 60196
 815-462-8024
 www.secgroup.com

USER NAME = RBesst
 PLOT SCALE = NONE
 PLOT DATE = 11/8/2011

DESIGNED - MJF
 DRAWN - MJF
 CHECKED - APS
 DATE - 11/8/11

REVISED -
 REVISED -
 REVISED -
 REVISED -

**ILLINOIS DEPARTMENT OF TRANSPORTATION
 PROPOSED ROADWAY IMPROVEMENTS
 C.H. 52 (GOUGAR ROAD) AT U.S. ROUTE 30**

TEMPORARY CABLE PLAN
 SCALE: NONE SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
367	07-00154-11-TL	WILL	70	39
CONTRACT NO. 63597				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

TEMPORARY SEQUENCE OF OPERATION

MOVEMENT	PHASE	INTERVAL														FLASH				
		1+5				1+6		2+5		2+6		3					4			
CHANGE TO		1	2	3	4	5	6	7	8	9	10A	10B	11	12A	12B	12C	12D	13	14A	14B
U.S. ROUTE 30 NEAR SPAN WIRE MOUNTED SIGNAL HEAD	E/B	R	R	R	R	R	R	G	G	G	Y	R	R	R	R	R	R	R	R	R
U.S. ROUTE 30 FAR SPAN WIRE MOUNTED SIGNAL HEADS	E/B	R	R	R	R	R	R	G	G	G	Y	R	R	R	R	R	R	R	R	R
U.S. ROUTE 30 NEAR SPAN WIRE MOUNTED SIGNAL HEAD	W/B	R	R	R	R	G	G	R	R	G	Y	R	R	R	R	R	R	R	R	R
U.S. ROUTE 30 FAR SPAN WIRE MOUNTED SIGNAL HEADS	W/B	R	R	R	R	G	G	R	R	G	Y	R	R	R	R	R	R	R	R	R
GOUGAR ROAD NEAR SPAN WIRE MOUNTED SIGNAL HEAD	N/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y
GOUGAR ROAD FAR SPAN WIRE MOUNTED SIGNAL HEADS	N/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y
GOUGAR ROAD (NORTH OF TRACKS) ALL SIGNAL HEADS	S/B	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	R
GOUGAR ROAD (SOUTH OF TRACKS) FAR MID AND LEFT SPAN WIRE MOUNTED SIGNAL HEADS	S/B	R	R	R	R	R	R	R	R	R	R	R	R	G	G	G	Y	R	R	R
GOUGAR ROAD (SOUTH OF TRACKS) FAR RIGHT WIRE MOUNTED SIGNAL HEAD	S/B	R	R	R	R	R	R	R	R	R	R	R	R	G	G	G	Y	R	R	R

NOTE: PHASE 2+6 SHALL BE PLACED ON RECALL

TEMPORARY RAILROAD PREEMPTION SEQUENCE OF OPERATION

CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	PREEMPTOR NUMBER													CLEAR TO NORMAL SEQUENCE							
	1	5	7	9	11	13	2	3	4	5	6	7	8								
CHANGE FROM EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	2																				
RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	1N	1P	1Q	1R	1S	2	3	4	5
CHANGE TO RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	2	1C	2	1E	2	1G	2	1J	2	1L	2	1N	2	1Q	2	1S	2	3	4	5	
U.S. ROUTE 30 NEAR SPAN WIRE MOUNTED SIGNAL HEAD	E/B	R	R	R	Y	R	Y	R	R	R	R	R	Y	R	R	R	R	R	R	R	G
U.S. ROUTE 30 FAR SPAN WIRE MOUNTED SIGNAL HEADS	E/B	R	R	R	Y	R	Y	R	R	R	R	R	Y	R	R	R	R	R	R	R	G
U.S. ROUTE 30 NEAR SPAN WIRE MOUNTED SIGNAL HEAD	W/B	R	Y	R	R	R	Y	R	R	R	R	R	Y	R	R	R	R	R	R	R	G
U.S. ROUTE 30 FAR SPAN WIRE MOUNTED SIGNAL HEADS	W/B	R	Y	R	R	R	Y	R	R	R	R	R	Y	R	R	R	R	R	R	R	G
GOUGAR ROAD NEAR SPAN WIRE MOUNTED SIGNAL HEAD	N/B	R	R	R	R	R	R	R	R	R	Y	R	R	R	R	Y	R	R	R	R	R
GOUGAR ROAD FAR SPAN WIRE MOUNTED SIGNAL HEADS	N/B	R	R	R	R	R	R	R	R	R	Y	R	R	R	R	Y	R	R	R	R	R
GOUGAR ROAD (NORTH OF TRACKS) ALL SIGNAL HEADS	S/B	R	R	R	R	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	R
GOUGAR ROAD (SOUTH OF TRACKS) FAR MID AND LEFT SPAN WIRE MOUNTED SIGNAL HEADS	S/B	R	R	R	R	R	R	R	G	G	R	R	R	R	G	G	R	R	R	G	Y
GOUGAR ROAD (SOUTH OF TRACKS) FAR RIGHT WIRE MOUNTED SIGNAL HEAD	S/B	R	R	R	R	R	R	R	G	G	R	R	R	R	G	G	R	R	R	G	Y
INTERNALLY ILLUMINATED NO RIGHT TURN SIGNS	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT	NRT
INTERNALLY ILLUMINATED NO LEFT TURN SIGNS	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT	NLT

Δ RAILROAD PREEMPTION SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY AN EMERGENCY VEHICLE INTERVAL AFTER RAILROAD PREEMPTION INTERVAL 5 IS TERMINATED.

HOLD

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

PROJECT CONTACT: BRUCE C. CHAMBERS, P.E. PROJECT MANAGER: BRUCE C. CHAMBERS, P.E. SEC GROUP, INC. 333 MAIN STREET, NEW LENOX, ILLINOIS 60451 TEL: 815-462-2224 FAX: 815-462-2129 WWW.SECGROUP.COM

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 New Lenox, Illinois 60451
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USER NAME = RBent	DESIGNED - MJF	REVISED -
PLOT SCALE = NONE	DRAWN - MJF	REVISED -
PLOT DATE = 11/8/2011	CHECKED - APS	REVISED -
	DATE - 11/8/11	REVISED -

**ILLINOIS DEPARTMENT OF TRANSPORTATION
 PROPOSED ROADWAY IMPROVEMENTS
 C.H. 52 (GOUGAR ROAD) AT U.S. ROUTE 30**

**TEMPORARY SEQUENCE OF OPERATIONS,
 TEMPORARY RAILROAD PREEMPTION, AND
 TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION**

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
367	07-00154-11-TL	WILL	70	40
CONTRACT NO. 63597				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

SCALE: NONE SHEET NO. 1 OF 2 SHEETS STA. TO STA.

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION

CHANGE FROM NORMAL SEQUENCE OF OPERATIONS INTERVAL NUMBER	1	5	5	7	7	9	9	11				11	13	13	PREEMPTOR NUMBER 3	PREEMPTOR NUMBER 4	PREEMPTOR NUMBER 5	CLEAR TO NORMAL SEQUENCE					
								2	3	4													
EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	1N	1P	1Q	1R	1S	1T	2	3	4		
CHANGE TO EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
U.S. ROUTE 30 NEAR SPAN WIRE MOUNTED SIGNAL HEAD	E/B	R	R	R	R	G	Y	R	G	Y	R	R	R	R	R	R	R	R	G	R	R		◇
U.S. ROUTE 30 FAR SPAN WIRE MOUNTED SIGNAL HEADS	E/B	R	R	R	R	G	Y	R	G	Y	R	R	R	R	R	R	R	R	G	R	R		◇
U.S. ROUTE 30 NEAR SPAN WIRE MOUNTED SIGNAL HEAD	W/B	R	G	Y	R	R	R	R	G	Y	R	R	R	R	R	R	R	R	G	R	R		◇
U.S. ROUTE 30 FAR SPAN WIRE MOUNTED SIGNAL HEADS	W/B	R	G	Y	R	R	R	R	G	Y	R	R	R	R	R	R	R	R	G	R	R		◇
GOUGAR ROAD NEAR SPAN WIRE MOUNTED SIGNAL HEAD	N/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	Y	R	G	R	R	G		◇
GOUGAR ROAD FAR SPAN WIRE MOUNTED SIGNAL HEADS	N/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	Y	R	G	R	R	G		◇
GOUGAR ROAD (NORTH OF TRACKS) ALL SIGNAL HEADS	S/B	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R	R	R	R	G	R		◇
GOUGAR ROAD (SOUTH OF TRACKS) FAR MID AND LEFT SPAN WIRE MOUNTED SIGNAL HEADS	S/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R		◇
GOUGAR ROAD (SOUTH OF TRACKS) FAR RIGHT WIRE MOUNTED SIGNAL HEAD	S/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	R		◇

◇ EMERGENCY VEHICLE SEQUENCES SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY A DIFFERENT EMERGENCY VEHICLE INTERVAL AFTER EMERGENCY VEHICLE INTERVAL 2, 3, OR 4 IS TERMINATED.

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

ILLINOIS PROFESSIONAL DESIGN FIRM # 184-000128
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 333 Main Street
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 815-462-2241 815-462-2228
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 Matthew E. Winkler, P.E. - Illinois License # 028493

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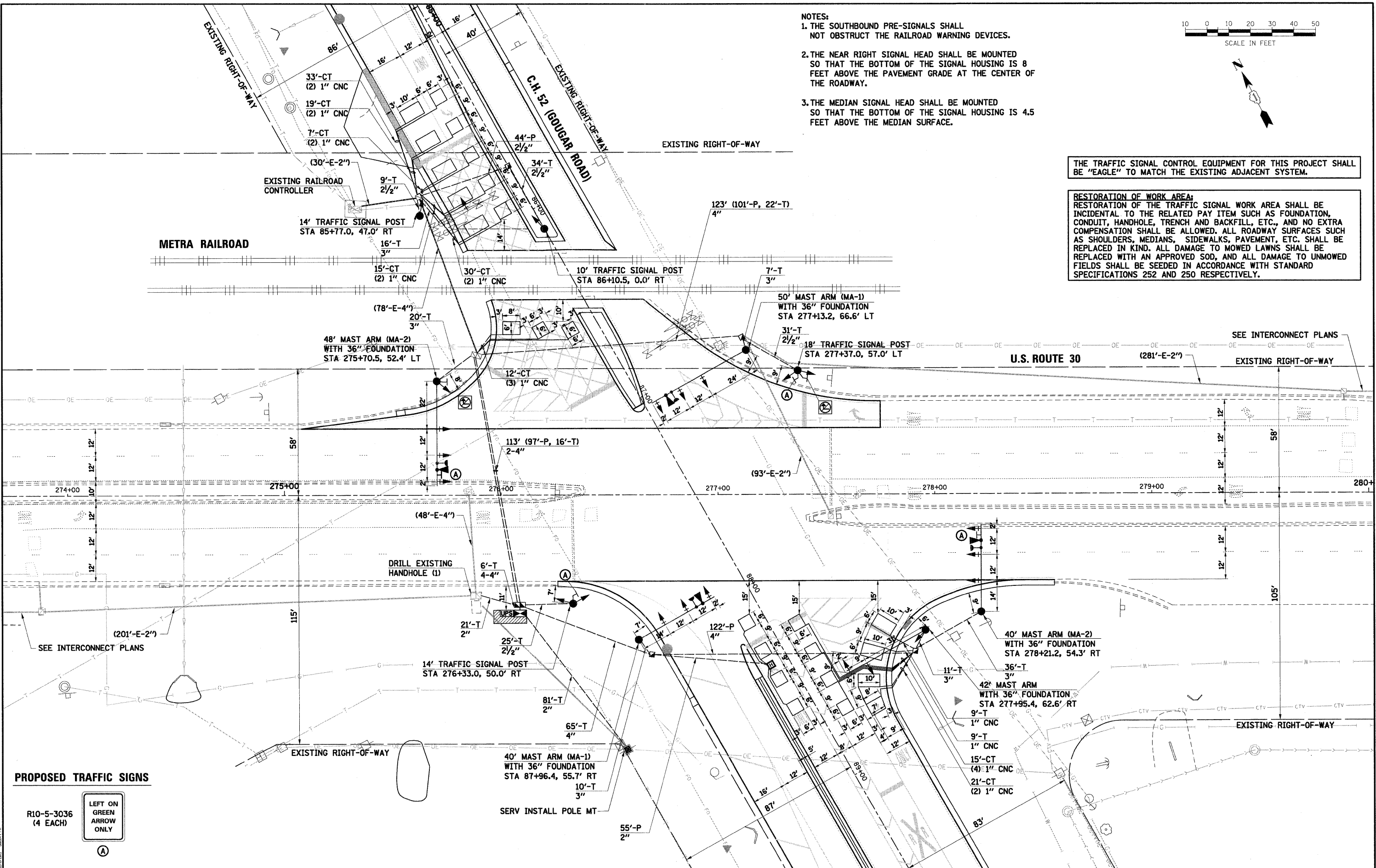
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PLOT SCALE = NONE	DRAWN - MJF	REVISED -
PLOT DATE = 11/8/2011	CHECKED - APS	REVISED -
	DATE - 11/8/11	REVISED -

**ILLINOIS DEPARTMENT OF TRANSPORTATION
 PROPOSED ROADWAY IMPROVEMENTS
 C.H. 52 (GOUGAR ROAD) AT U.S. ROUTE 30**

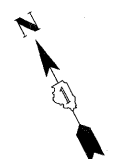
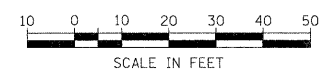
**TEMPORARY SEQUENCE OF OPERATIONS,
 TEMPORARY RAILROAD PREEMPTION, AND
 TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION**

SCALE: NONE SHEET NO. 2 OF 2 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
367	07-00154-11-TL	WILL	70	41
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63597	



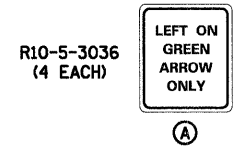
- NOTES:
1. THE SOUTHBOUND PRE-SIGNALS SHALL NOT OBSTRUCT THE RAILROAD WARNING DEVICES.
 2. THE NEAR RIGHT SIGNAL HEAD SHALL BE MOUNTED SO THAT THE BOTTOM OF THE SIGNAL HOUSING IS 8 FEET ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
 3. THE MEDIAN SIGNAL HEAD SHALL BE MOUNTED SO THAT THE BOTTOM OF THE SIGNAL HOUSING IS 4.5 FEET ABOVE THE MEDIAN SURFACE.



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

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

PROPOSED TRAFFIC SIGNS



PROJECT: C.H. 52 (GOUGAR ROAD) AT U.S. ROUTE 30
 DRAWN: M.J.F.
 CHECKED: A.P.S.
 DATE: 11/8/11

SEC Group, Inc.
 An HR Group Company
 323 Alton Drive
 New Lenox, Illinois 80451
 L 815-462-8204 F 815-462-8208
 WWW.SECGROUP.COM
 ©2011 SEC Group, Inc. - New Lenox, IL - Chicago, IL

USER NAME = R88st
 PLOT SCALE = 1"=20'
 PLOT DATE = 11/8/2011

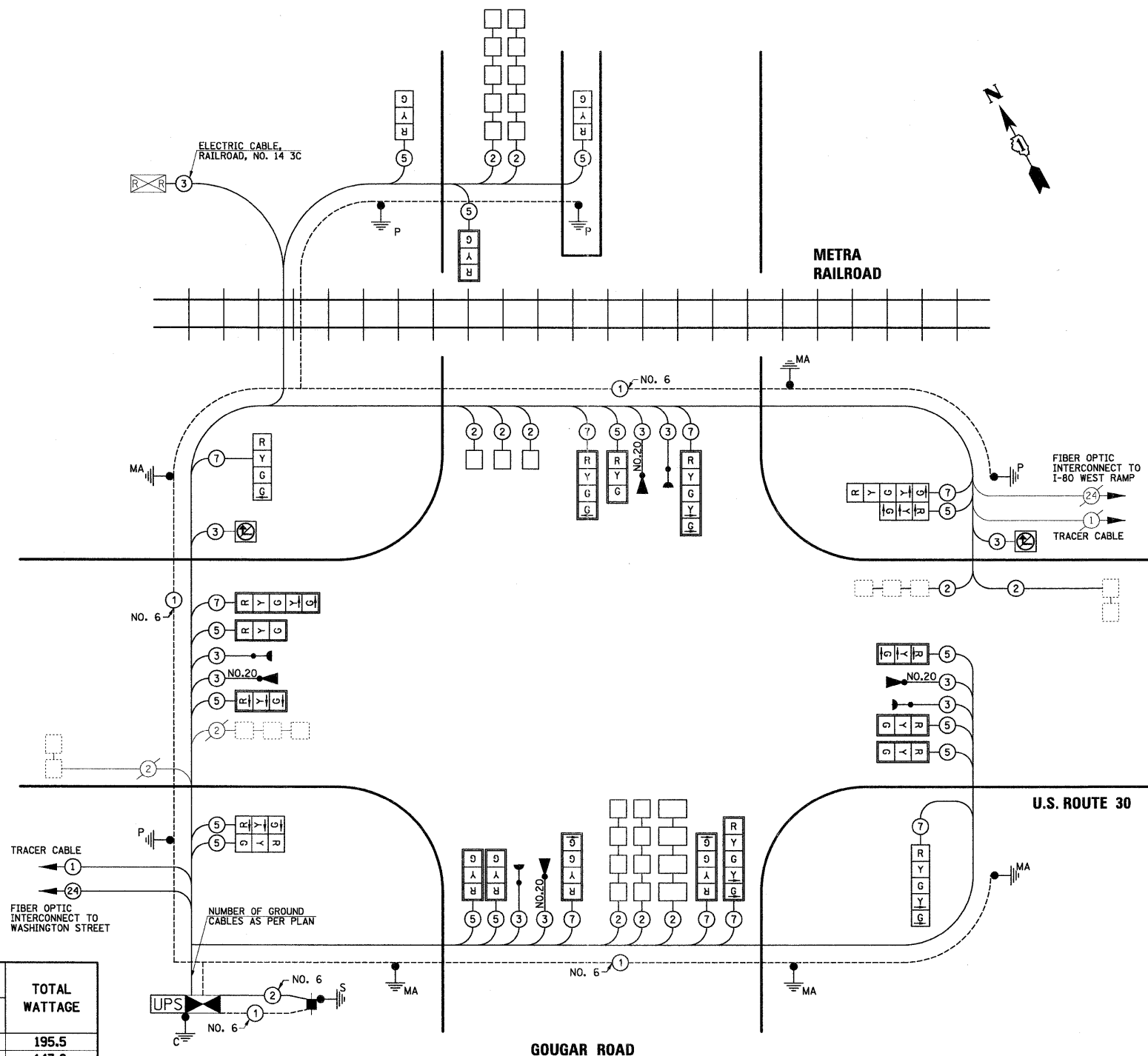
DESIGNED - MJF
 DRAWN - MJF
 CHECKED - APS
 DATE - 11/8/11

REVISED -
 REVISED -
 REVISED -
 REVISED -

**ILLINOIS DEPARTMENT OF TRANSPORTATION
 PROPOSED ROADWAY IMPROVEMENTS
 C.H. 52 (GOUGAR ROAD) AT U.S. ROUTE 30**

TRAFFIC SIGNAL INSTALLATION PLAN
 SCALE: 1"=20' SHEET NO. OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
367	07-00154-11-TL	WILL	70	42
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 63597	



SCHEDULE OF QUANTITIES

DESCRIPTION	UNIT	QUANTITY
SIGN PANEL - TYPE 1	SQ FT	60
SERVICE INSTALLATION - POLE MOUNTED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	205
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	143
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	100
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	638
HANDHOLE	EACH	5
HEAVY-DUTY HANDHOLE	EACH	1
DOUBLE HANDHOLE	EACH	2
RAILROAD, FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
GROUND EXISTING HANDHOLE FRAME AND COVER	EACH	3
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1591.5
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	3347.5
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	2405
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2431.5
ELECTRIC CABLE IN CONDUIT, RAILROAD, NO. 14 3C	FOOT	262
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	100.5
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	955.5
TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	2
TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 42 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 48 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	16
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	67
DRILL EXISTING HANDHOLE	EACH	1
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	9
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	2
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST-ARM MOUNTED	EACH	3
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	3
SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	1
TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	15
INDUCTIVE LOOP DETECTOR	EACH	12
DETECTOR LOOP, TYPE I	FOOT	1118
LIGHT DETECTOR	EACH	4
LIGHT DETECTOR AMPLIFIER	EACH	1
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
ILLUMINATED SIGN, LED	EACH	2
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	8763
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
REMOVE EXISTING HANDHOLE	EACH	7
REMOVE EXISTING CONCRETE FOUNDATION	EACH	11
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 20 3/C, TWISTED, SHIELDED	FOOT	1077
TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1

CABLE PLAN

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

TYPE	NO. LAMPS	WATTAGE		% OPERATION	TOTAL WATTAGE
		INCAND.	LED		
SIGNAL (RED)	23		17	0.50	195.5
(YELLOW)	23		25	0.25	143.8
(GREEN)	27		15	0.25	101.3
ARROW	10		12	0.10	12
CONTROLLER	1		100	1.00	100
UPS	1		25	1.00	25
ILLUM. NO TURN	2		25	0.10	5
TOTAL =					582.6

ENERGY COSTS TO: ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY CONTACT: MARK ANDERSON
PHONE: (815) 724-5988
COMPANY: COMMONWEALTH EDISON

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



USER NAME = RBarst	DESIGNED - MJF	REVISED -
PLOT SCALE = NONE	DRAWN - MJF	REVISED -
PLOT DATE = 11/8/2011	CHECKED - APS	REVISED -
	DATE - 11/8/11	REVISED -

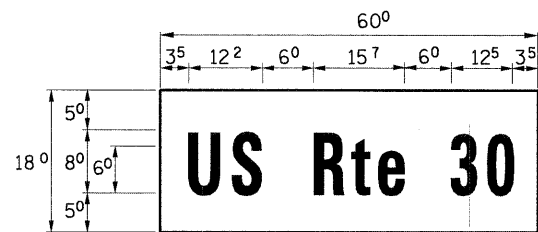
ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED ROADWAY IMPROVEMENTS
C.H. 52 (GOUGAR ROAD) AT U.S. ROUTE 30

SCHEDULE OF QUANTITIES AND CABLE PLAN

SCALE: NONE	SHEET NO. OF SHEETS	STA. TO STA.
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F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
367	07-00154-11-TL	WILL	70	43
CONTRACT NO. 63597				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PANEL SIGN DESIGN TYPE 1

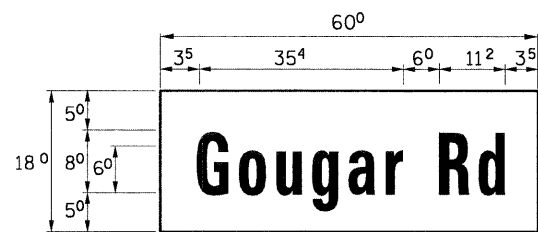


MA-1

7.50 Sq. Ft each

2 Required

Design Series D



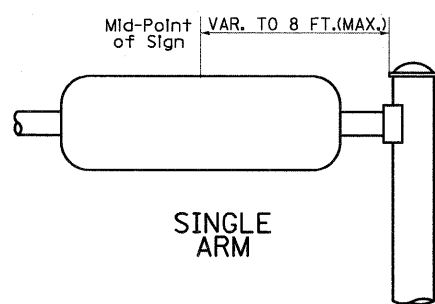
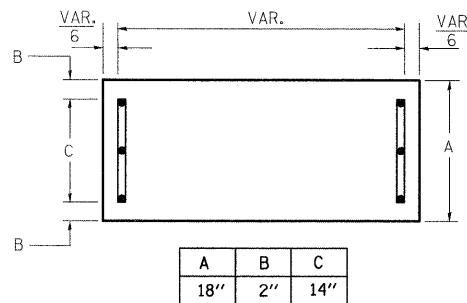
MA-2

7.50 Sq. Ft each

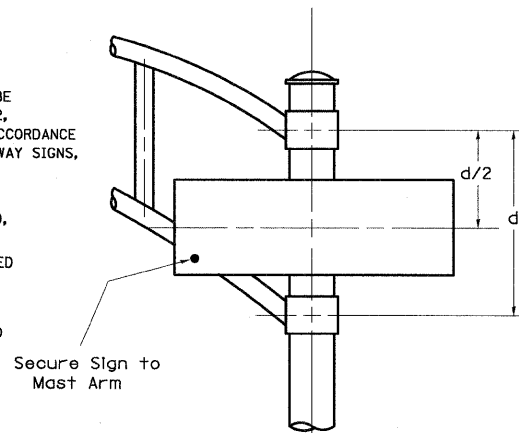
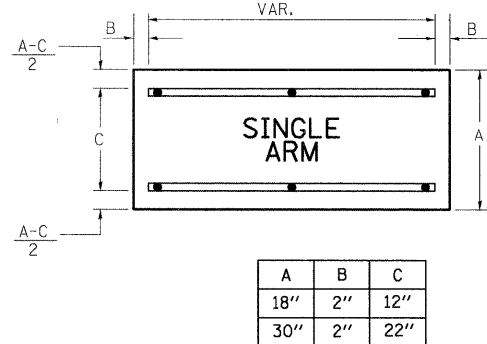
2 Required

Design Series D

SUPPORTING CHANNELS



SUPPORTING CHANNELS



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

Upper Case To Lower Case Spacing Chart 8-6 Inch Series "C & D"

SERIES	SECOND LETTER															
	a c d e		b h i k l		f w		J		s t		v y		x		z	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
A W X	12	14	14	15	12	14	06	10	11	14	06	10	11	12	12	14
B	14	15	20	21	14	15	11	12	14	15	12	14	12	14	16	17
C E G	14	15	20	21	12	14	06	10	12	14	12	14	14	15	14	15
D O Q R	14	15	20	21	14	15	06	10	12	14	12	14	14	15	14	15
F	05	06	14	15	06	10	05	06	06	10	06	10	06	10	11	12
H I M N	20	21	22	24	20	21	14	15	16	17	16	17	20	21	20	21
J U	20	21	20	21	16	17	14	15	16	17	16	17	16	17	20	21
K L	11	12	16	17	11	12	05	06	11	12	11	12	11	12	12	14
P	12	14	14	15	12	14	05	06	11	12	11	12	12	14	12	14
S	12	14	16	17	12	14	06	10	12	14	12	14	12	14	12	14
T	11	12	16	17	06	10	06	10	11	12	11	12	11	12	12	14
V	06	10	14	15	11	12	06	10	12	14	12	14	12	14	12	14
Y	05	06	14	15	06	10	05	06	05	07	05	06	06	10	11	12
Z	16	17	22	24	16	17	12	14	16	17	16	17	16	17	20	21

EXAMPLE, 2 3/8" DENOTES 3/8"

Lower Case To Lower Case Spacing Chart 6 Inch Series "C & D"

SERIES	SECOND LETTER															
	a c d e		b h i k l		f w		J		s t		v y		x		z	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
a d h g i j	16	17	22	24	16	17	12	14	14	15	14	15	16	17	16	17
l m n q u																
b f k o p s	12	14	16	17	11	12	05	06	11	12	11	12	12	14	12	14
c e	12	14	16	17	12	14	06	10	12	14	12	14	12	14	12	14
r	06	10	12	14	06	10	03	03	05	06	05	06	06	10	06	10
t z	12	14	16	17	12	14	06	10	11	12	11	12	12	14	12	14
v y	11	12	14	15	11	12	05	06	06	10	06	10	11	12	11	12
w	11	12	14	15	11	12	05	06	11	12	11	12	11	12	12	14
x	12	14	16	17	11	12	05	06	11	12	11	12	11	12	12	14

Number To Number Spacing Chart 8 Inch Series "C & D"

SERIES	SECOND LETTER																			
	0		1		2		3		4		5		6		7		8		9	
	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
0 9	16	17	16	17	14	15	12	14	14	15	14	15	16	17	12	14	16	17	16	17
1	20	21	20	21	20	21	16	17	14	15	20	21	20	21	14	15	20	21	20	21
2 3 4	14	15	14	15	14	15	12	14	12	14	14	15	14	15	11	12	16	17	14	15
5	14	15	14	15	14	15	11	12	11	12	14	15	14	15	11	12	14	15	14	15
6	16	17	14	15	14	15	12	15	12	14	14	15	14	15	11	12	14	15	14	15
7	12	14	12	14	14	15	12	15	05	06	12	14	14	15	11	12	14	15	12	14
8	16	17	16	17	14	15	12	15	12	14	14	15	16	17	12	14	16	17	14	15

LETTERS	6 INCH UPPER CASE LETTERS		8 INCH UPPER CASE LETTERS		LETTERS	6 INCH LOWER CASE LETTERS	
	SERIES		SERIES			SERIES	
	C	D	C	D		C	D
A	36	50	50	65	a	35	42
B	32	40	43	53	b	35	42
C	32	40	43	53	c	35	41
D	32	40	43	53	d	35	42
E	30	35	40	47	e	35	42
F	30	35	40	47	f	23	26
G	32	40	43	53	g	35	42
H	32	40	43	53	h	35	42
I	07	07	11	12	i	11	11
J	30	36	40	50	j	20	22
K	32	41	43	54	k	35	42
L	30	35	40	47	l	11	11
M	37	45	51	61	m	60	70
N	32	40	43	53	n	35	42
O	34	42	45	55	o	36	43
P	32	40	43	53	p	35	42
Q	34	42	45	55	q	35	42
R	32	40	43	53	r	26	32
S	32	40	43	53	s	36	42
T	30	35	40	47	t	27	32
U	32	40	43	53	u	35	42
V	35	44	47	60	v	42	47
W	44	52	60	70	w	55	64
X	34	40	45	53	x	44	51
Y	36	50	50	66	y	46	53
Z	32	40	43	53	z	36	43

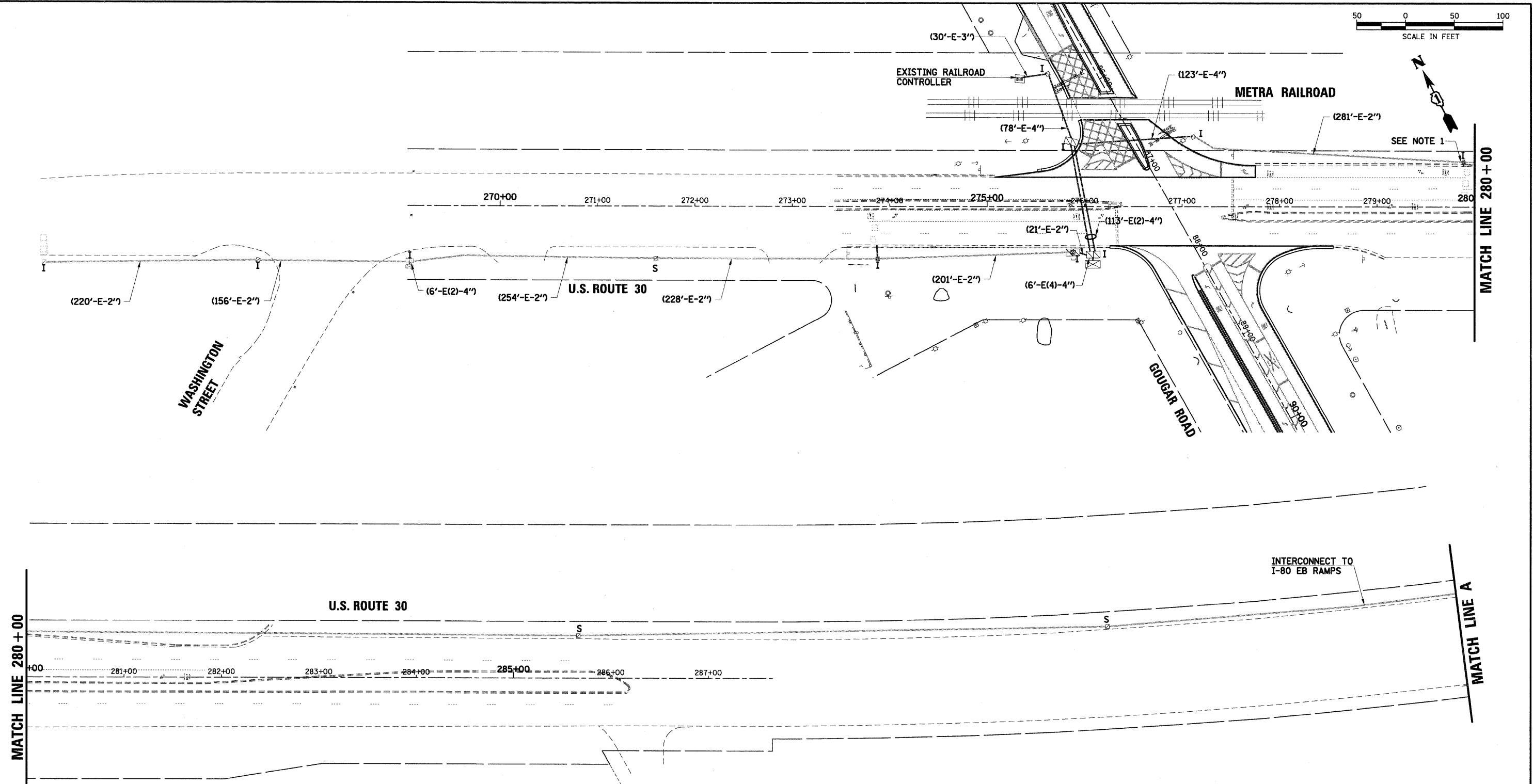
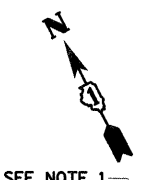
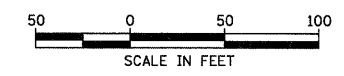
NUMBER	6 INCH SERIES		8 INCH SERIES	
	C	D	C	D
1	12	14	15	20
2	32	40	43	53
3	32	40	43	53
4	35	43	47	57
5	32	40	43	53
6	32	40	43	53
7	32	40	43	53
8	32	40	43	53
9	32	40	43	53
0	34	42	45	55

GENERAL NOTES

- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
- ALL SIGNS SHALL HAVE A WHITE REFLECTORIZED LEGEND AND BORDER ON A GREEN REFLECTORIZED BACKGROUND, TYPE A SHEETING.
- THE SIGN LENGTH SHOULD BE INCREASED IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHOULD NOT EXCEED 8'-0".
- ALL BORDERS SHALL BE 3/4" WIDE AND CORNER RADIUS SHALL BE 2-1/4".
- SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS. LOCAL SUPPLIERS OF THE SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM ARE:

- * J.O. HERBERT CO. MIDLOTHIAN, VA.
- * WESTERN REMAC INC. WOODRIDGE, IL.

PARTS LISTING:
SIGN CHANNEL PART #HPN053 (MED. CHANNEL)
SIGN SCREWS 1/4" x 14 x 1" H.W.H. #3
BRACKETS PART #HPN034 (UNIVERSAL)
CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING
OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BACKET OF THE ABOVE PRODUCT.



- NOTES:**
1. THE EXISTING FIBER OPTIC AND TRACER CABLE FROM GOUGAR ROAD TO THE I-80 WEST RAMP SHALL BE PULLED BACK TO THE FAR HANDHOLE ON THE EAST LEG AND STORED IN IT FOR REUSE ON THE PROPOSED INTERCONNECT. THIS WORK WILL BE PAID FOR IN THE UNIT BID PRICE FOR PULL AND REINSTALL FIBER OPTIC CABLE.
 2. THE FIBER OPTIC AND TRACER CABLE BETWEEN WASHINGTON STREET AND GOUGAR ROAD SHALL BE REMOVED. THIS WORK WILL BE PAID FOR IN THE UNIT BID PRICE FOR REMOVE ELECTRIC CABLE FROM CONDUIT.
 3. A TEMPORARY RADIO INTERCONNECT SHALL BE INSTALLED TO MAINTAIN THE EXISTING INTERCONNECT DURING CONSTRUCTION. EQUIPMENT SHALL BE INSTALLED AT WASHINGTON STREET AND I-80 WEST RAMP ALONG WITH GOUGAR ROAD FOR THIS TEMPORARY INTERCONNECT TO MAINTAIN A WORKING ORDER. (SEE SPECIAL PROVISIONS FOR MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION AND TEMPORARY TRAFFIC SIGNAL INSTALLATION.)

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

LEGEND

	EXISTING RIGHT-OF-WAY
--	-----------------------

SEC Group, Inc.
 1500 North LaSalle
 Chicago, IL 60610
 Tel: (773) 399-8000
 Fax: (773) 399-8001
 www.secgroupinc.com

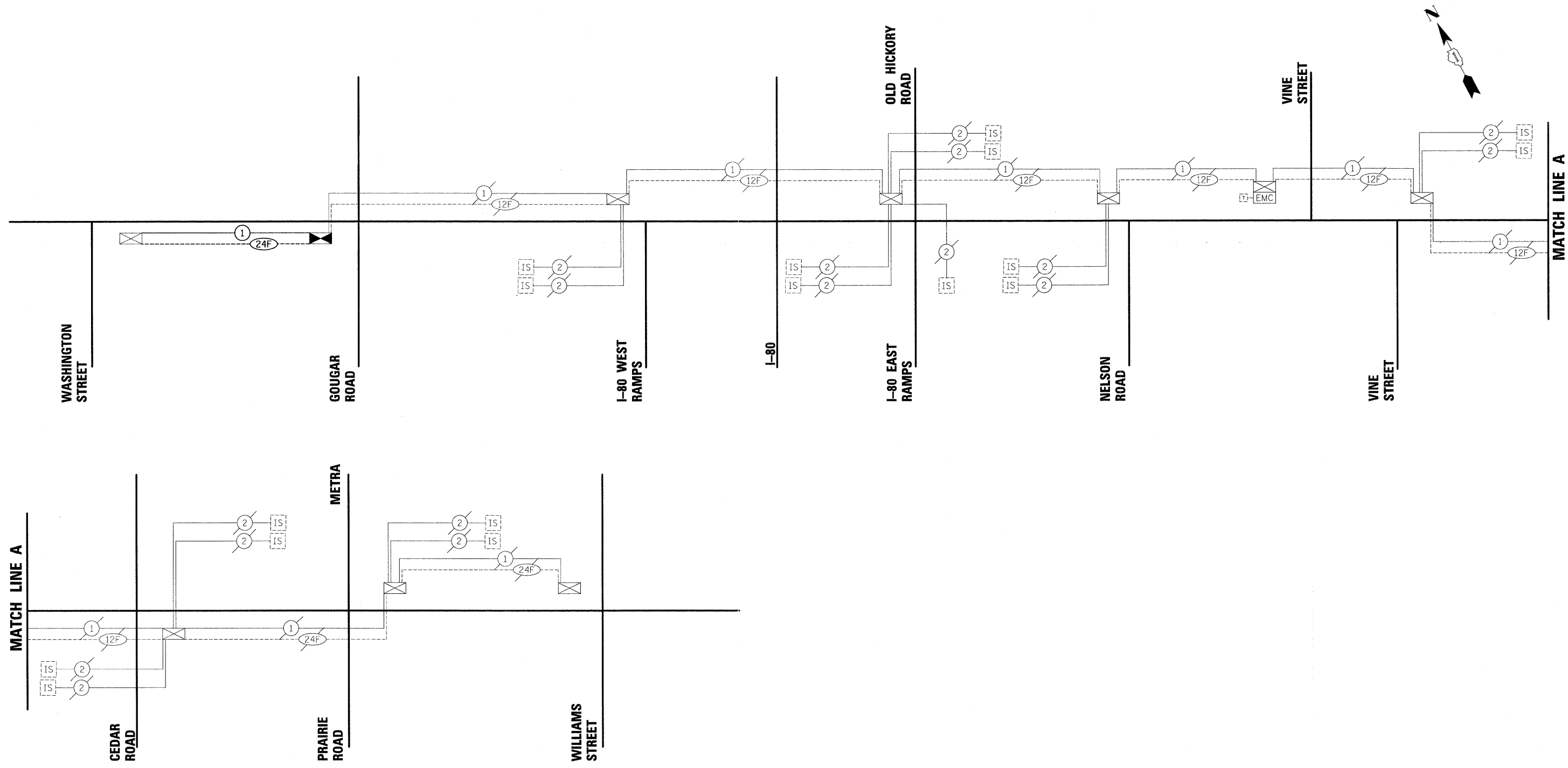
USER NAME = RBest	DESIGNED - MJF	REVISED -
PLOT SCALE = 1" = 50'	DRAWN - MJF	REVISED -
PLOT DATE = 11/8/2011	CHECKED - APS	REVISED -
	DATE - 11/8/11	REVISED -

**ILLINOIS DEPARTMENT OF TRANSPORTATION
 PROPOSED ROADWAY IMPROVEMENTS
 C.H. 52 (GOUGAR ROAD) AT U.S. ROUTE 30**

**INTERCONNECT PLAN
 U.S. ROUTE 30
 WASHINGTON STREET TO I-80 WEST RAMP**

SCALE: 1" = 50'	SHEET NO. OF SHEETS	STA. TO STA.
-----------------	---------------------	--------------

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
367	07-00154-11-TL	WILL	70	47
CONTRACT NO. 63597				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



SCHEDULE OF QUANTITIES

PAY ITEM DESCRIPTION	UNIT	INTERCONNECT
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2
TRANSCEIVER - FIBER OPTIC	EACH	1
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	FOOT	803
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	777
PULL & REINSTALL FIBER OPTIC CABLE	L SUM	1
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1

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

SEC GROUP, INC. 11/8/2011 11:58 AM
 11/8/2011 11:58 AM
 11/8/2011 11:58 AM
 11/8/2011 11:58 AM

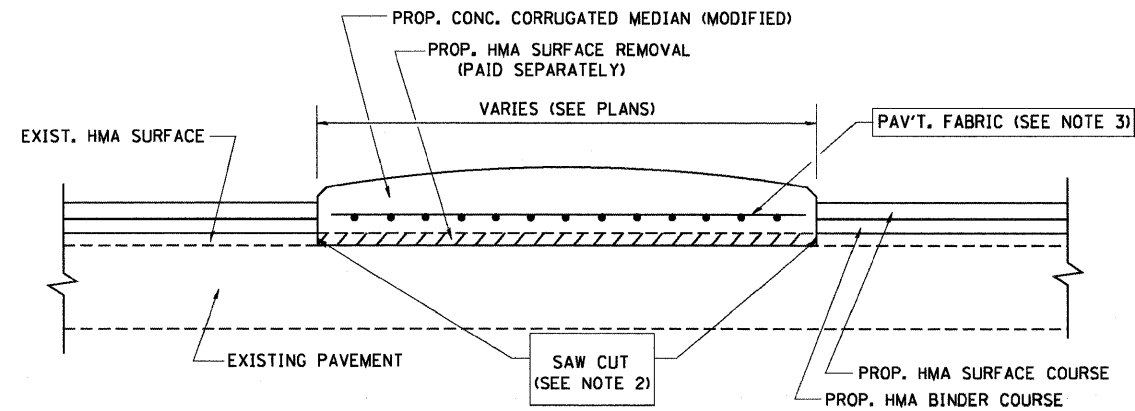
SEC Group, Inc.
 An HFI Group Company
 323 Alamo Drive
 New Lenox, Illinois 60451
 T 815.862.8024 F 815.862.8028
 www.secgroupinc.com
 *Milwaukee, *Tomball, TX, *New Lenox, IL, *Chicago, IL

USER NAME = RB@sec	DESIGNED - MJF	REVISED -
PLOT SCALE = NONE	DRAWN - MJF	REVISED -
PLOT DATE = 11/8/2011	CHECKED - APS	REVISED -
	DATE - 11/8/11	REVISED -

**ILLINOIS DEPARTMENT OF TRANSPORTATION
 PROPOSED ROADWAY IMPROVEMENTS
 C.H. 52 (GOUGAR ROAD) AT U.S. ROUTE 30**

INTERCONNECT SCHEMATIC			
U.S. ROUTE 30			
WASHINGTON STREET TO WILLIAMS STREET			
SCALE: NONE	SHEET NO. OF SHEETS	STA. TO STA.	

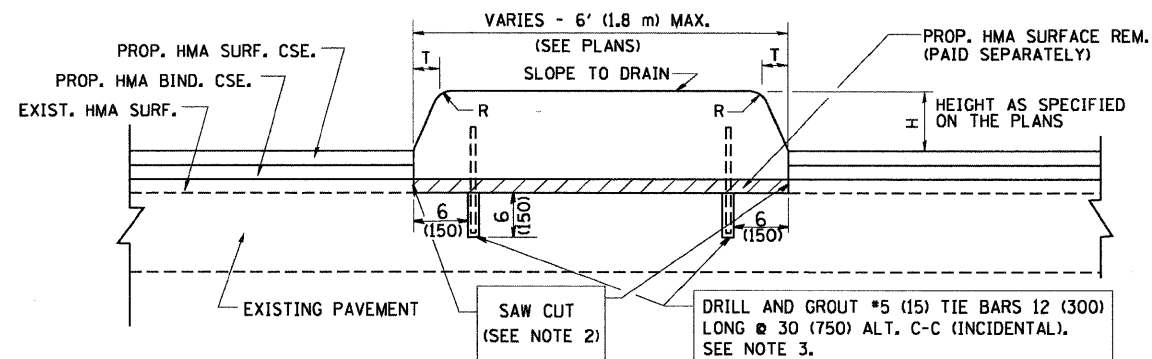
F.A.U. RTE. 367	SECTION NO. 07-00154-11-TL	COUNTY WILL	TOTAL SHEETS 70	SHEET NO. 48
CONTRACT NO. 63597				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



- NOTES:
1. CORRUGATED MEDIAN (MODIFIED) SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 606 OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE PORTIONS OF STATE STANDARD 606306.
 2. WITH THE APPROVAL OF THE ENGINEER, THE CONTRACTOR MAY DELETE THE SAW CUT IF A NEAT JOINT CAN BE OBTAINED BY MILLING THE HMA SURFACE TO BE REMOVED. SAW CUT WILL BE INCLUDED IN THE COST OF CORRUGATED MEDIAN (MODIFIED)
 3. PAVEMENT FABRIC WILL BE INCLUDED IN THE COST OF CORRUGATED MEDIAN (MODIFIED)

DETAILS FOR CORRUGATED MEDIAN (MODIFIED)

THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT (SQUARE METER) FOR "CORRUGATED MEDIAN (MODIFIED)"



- NOTES:
1. CONCRETE MEDIAN TYPE SB (DOWELLED) SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF STATE STANDARD 606301 AND SECTION 606 OF THE STANDARD SPECIFICATIONS.
 2. WITH THE APPROVAL OF THE ENGINEER, THE CONTRACTOR MAY DELETE THE SAW CUT IF A NEAT JOINT CAN BE OBTAINED BY MILLING THE HMA SURFACE TO BE REMOVED. SAW CUT WILL BE INCLUDED IN THE COST OF "CONCRETE MEDIAN TYPE SB (DOWELLED)"
 3. FOR MEDIAN WIDTH LESS THAN 4' (1.2 m) USE ONE ROW OF #5 (15) BARS @ 30 (750) C-C ALONG THE MEDIAN CENTERLINE. TIE BARS WILL BE INCLUDED IN THE COST OF "CONCRETE MEDIAN TYPE SB (DOWELLED)"

DETAILS FOR CONCRETE MEDIAN

TYPE SB (DOWELLED)

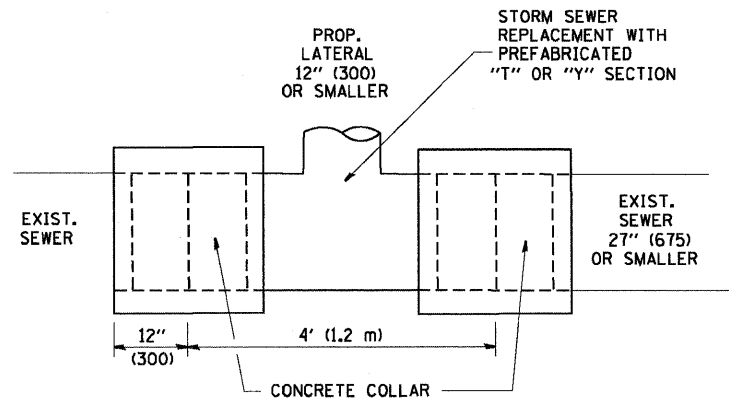
THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT (SQUARE METER) FOR "CONCRETE MEDIAN, TYPE SB-6.12"

H	R	T
6(150)	1(25)	1(25)
9(225)	1(25)	2(50)

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

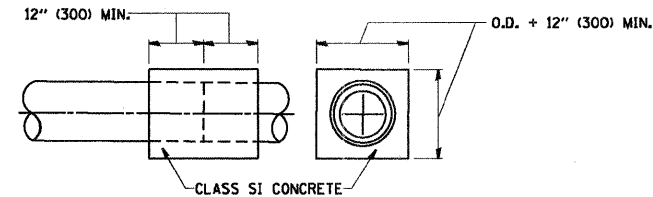
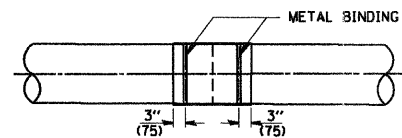
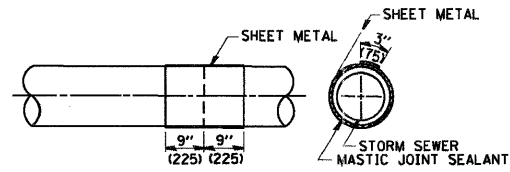
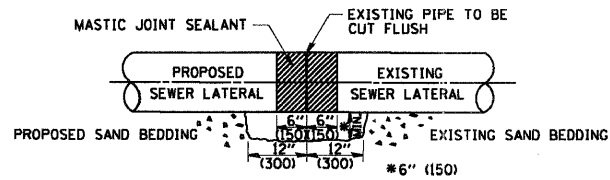
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 DESIGNED - M. DE YONG
 DRAWN -
 CHECKED -
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 PLOT DATE = 1/4/2008
 REVISIONS:
 REVISED - R. SHAH 09-09-94
 REVISED - R. SHAH 10-25-94
 REVISED - E. GOMEZ 08-28-00
 REVISED - R. BORO 01-01-07

FILE NAME = W:\distatd\22x34\bd05.dgn	USER NAME = geglianobt	DESIGNED - M. DE YONG	REVISIONS: REVISED - R. SHAH 09-09-94 REVISED - R. SHAH 10-25-94 REVISED - E. GOMEZ 08-28-00 REVISED - R. BORO 01-01-07	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS FOR CONCRETE MEDIAN TYPE SB (DOWELLED) CORRUGATED MEDIAN (MODIFIED)				F.A. RTE. 367	SECTION 07-00154-11-TL	COUNTY WILL	TOTAL SHEETS 70	SHEET NO. 49
					SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT		CONTRACT NO. 63597			



DETAIL "A"

LATERAL CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER

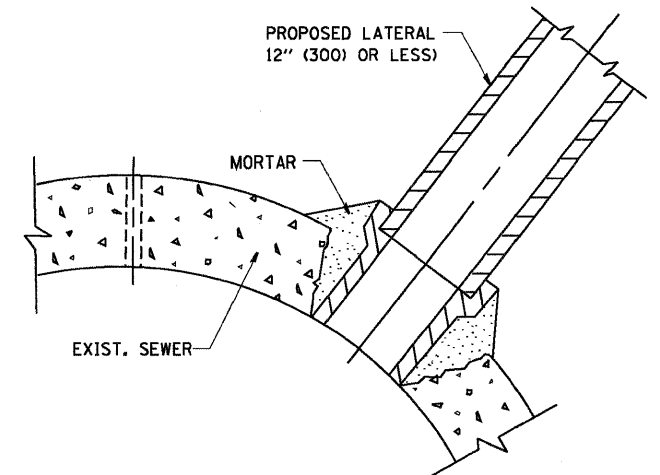


DETAIL "B"

CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12' x 6' (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERENCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OZZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.



DETAIL "C"

PROPOSED LATERAL CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER

NOTES

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

I. THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.

II. CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:

A) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".

B) PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS, THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

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

PROJECT: STORM SEWER REPLACEMENT AND REPAIR
 DRAWING: STORM SEWER REPLACEMENT AND REPAIR
 SHEET: STORM SEWER REPLACEMENT AND REPAIR
 DATE: 07/25/90

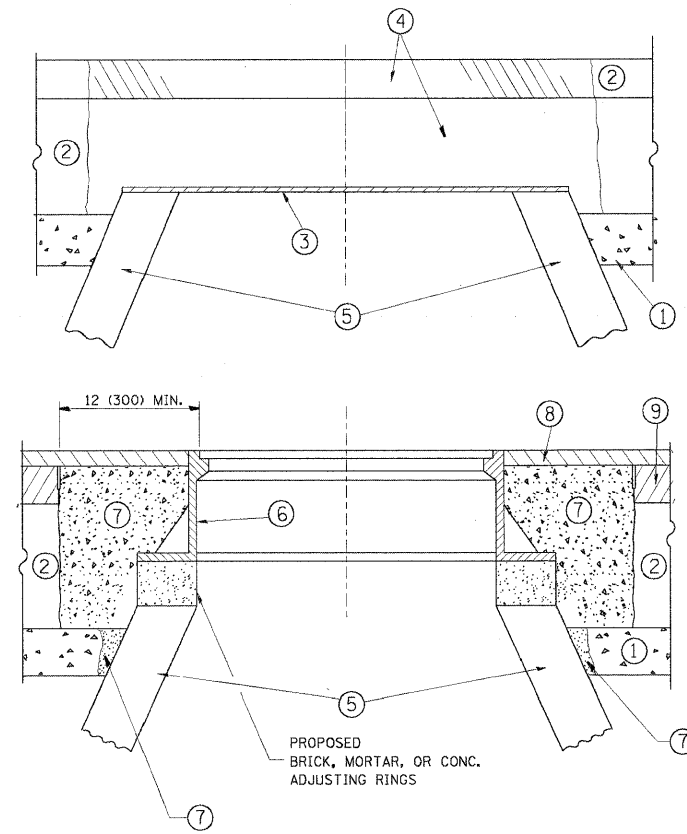
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	PLOT DATE = 1/4/2008	DATE - 07-25-90	REVISED - R. SHAH 06-12-96

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAIL OF STORM SEWER
CONNECTION TO EXISTING SEWER

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
367	07-00154-11-TL	WILL	70	50
BD500-01 (BD-7)			CONTRACT NO. 63597	
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				



NOTES:

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

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

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

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

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

CONSTRUCTION PROCEDURES

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

- STAGE 2 (AFTER PAVEMENT MILLING)**
- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
 - B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
 - C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.
- * UNLESS OTHERWISE SPECIFIED IN THE PLANS.

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

LEGEND

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

LOCATION OF STRUCTURES:

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

BASIS OF PAYMENT:

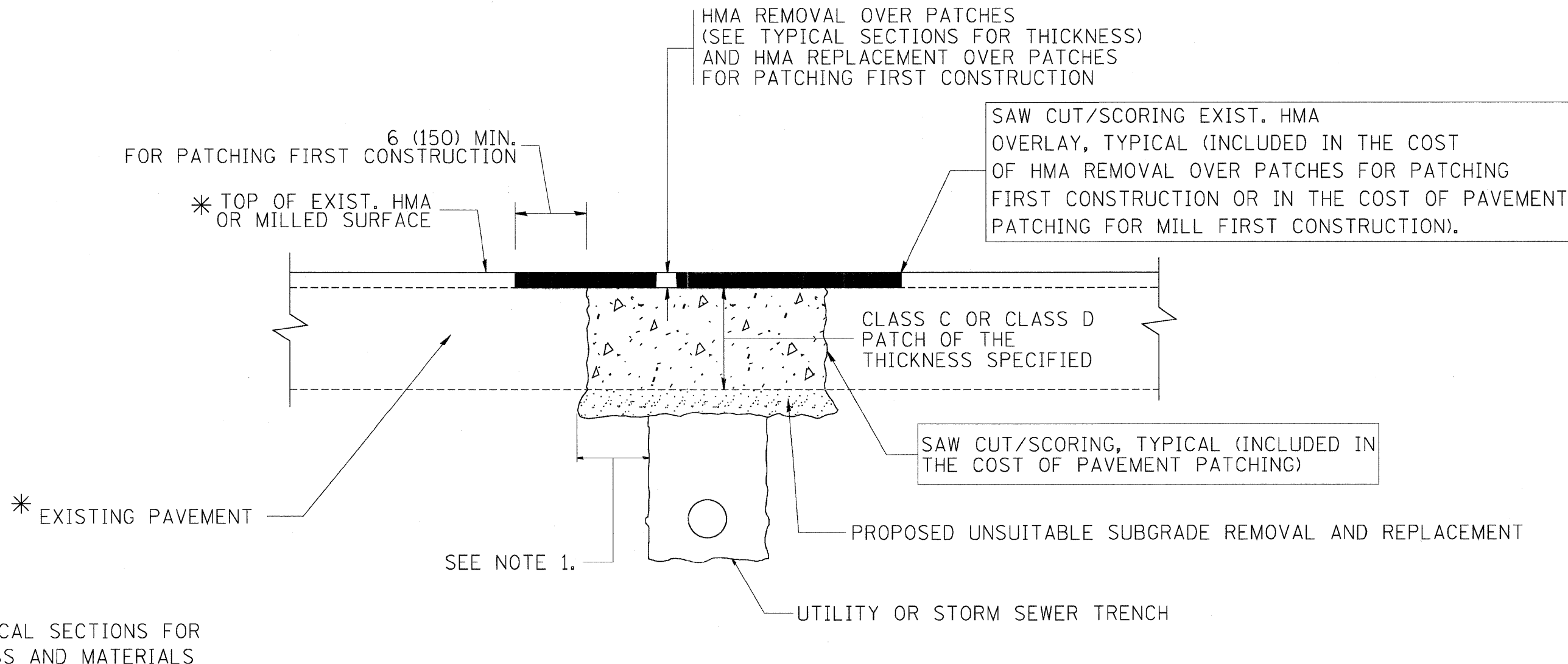
THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR "INLETS TO BE ADJUSTED" NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

PROJECT: CHICAGO BRIDGE & INFRASTRUCTURE
 FILENAME: BDD003_BD-8.dwg
 SHEET: 51 OF 70
 DATE: 3/18/2011

FILE NAME =	USER NAME =	DESIGNED - R. SHAH	REVISED - A. ABBAS 03-21-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING		F.A. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw\work\p\dot\laygo\bd0100315\bd008.dwg		DRAWN -	REVISED - R. WIEDEMAN 05-14-04		367	07-00154-11-TL	WILL	70	51		
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PLOT DATE = 3/18/2011		DATE - 10-25-94	REVISED - R. BORO 03-09-11		SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA. TO STA.		FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT



NOTES:

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

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

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

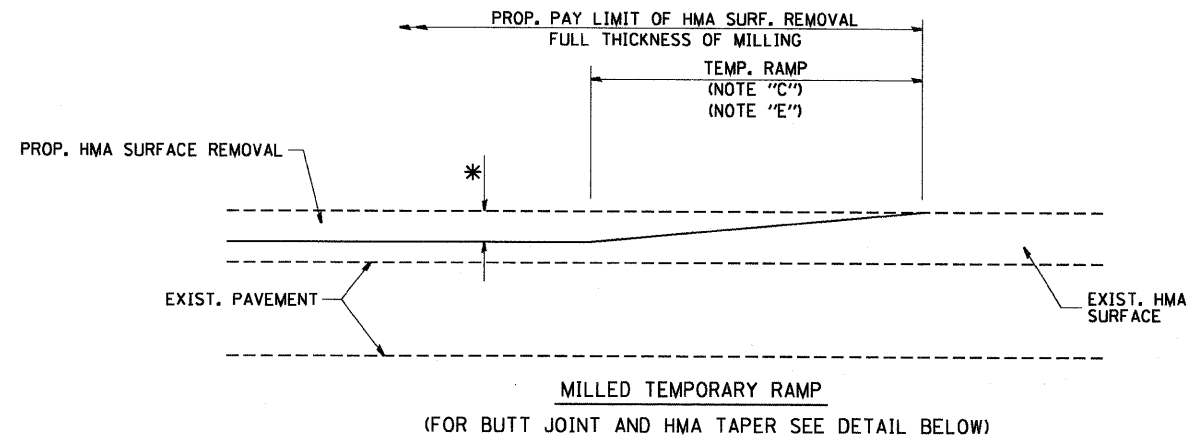
SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4½ INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

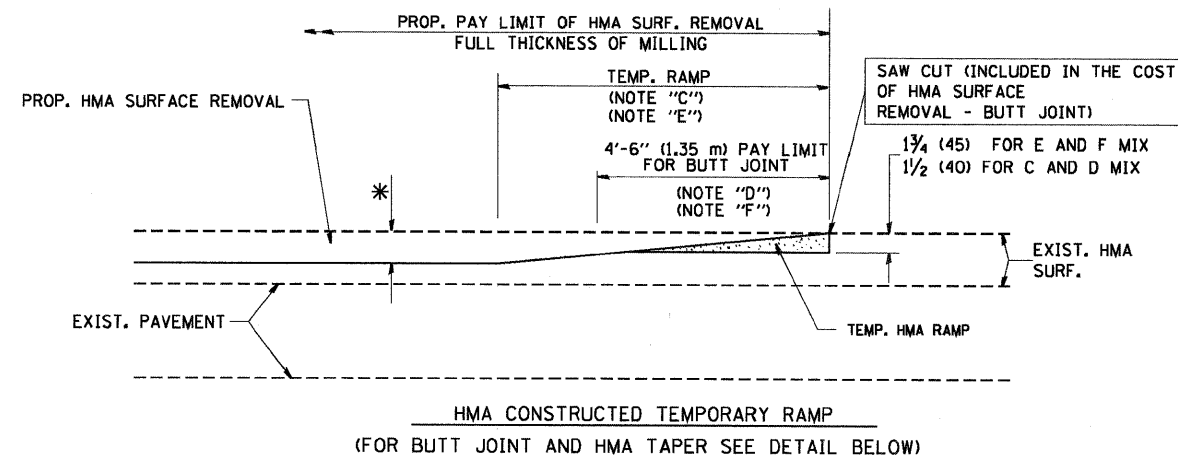
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

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		DATE - 10-25-94	REVISED - K. ENG 10-27-08		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						

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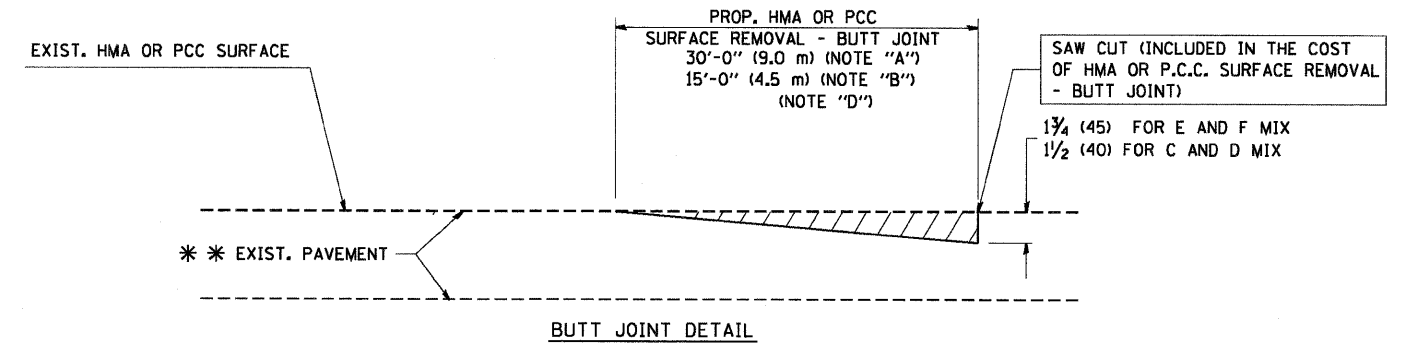


OPTION 1

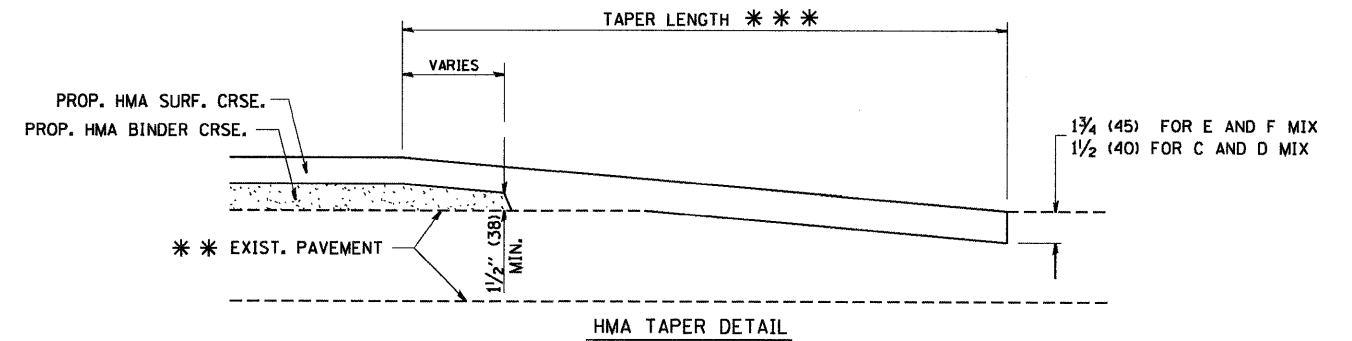


OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

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

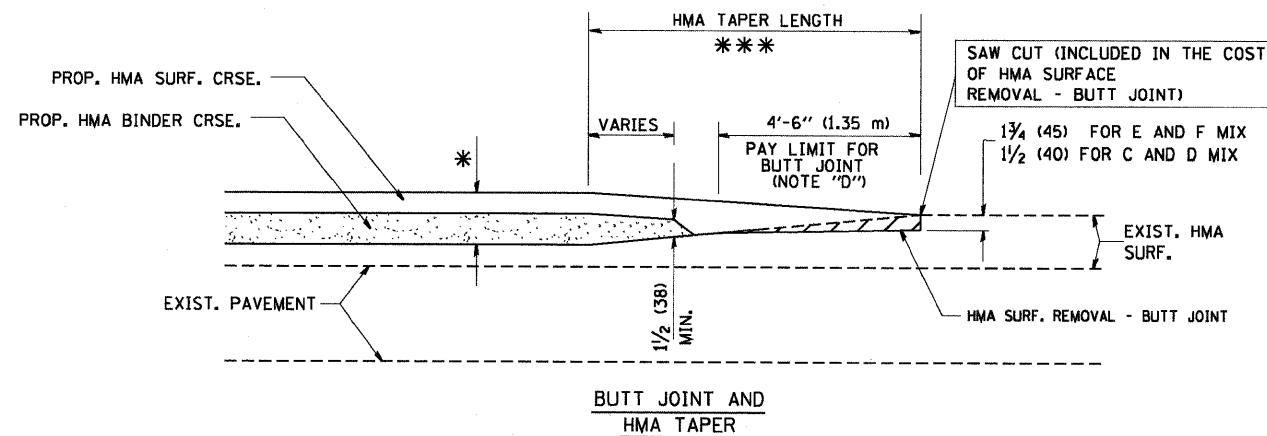
NOTES

- A₂: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
- B₂: MINOR SIDE ROADS.
- C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
- D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
- E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
- F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
- G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- *** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

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



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

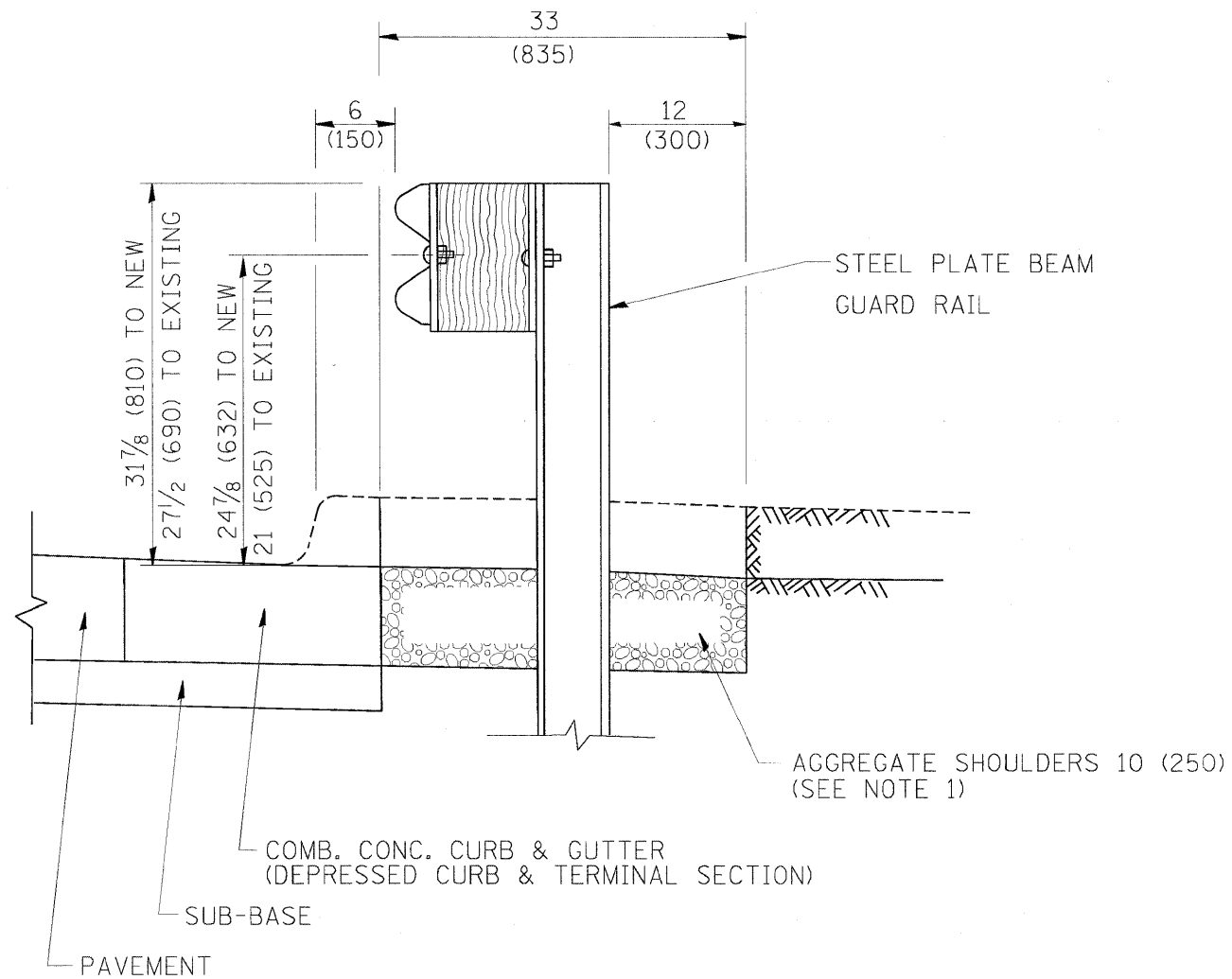
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PLOT DATE = 1/4/2008	CHECKED -	REVISED - M. GOMEZ 04-06-01
	DATE - 06-13-90	REVISED - R. BORO 01-01-07

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BUTT JOINT AND HMA TAPER DETAILS	
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
367	07-00154-11-TL	WILL	70	53
BD400-05 BD32		CONTRACT NO. 63597		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



SECTION A-A

- NOTES: 1. **THE HOT-MIX ASPHALT SHOULDERS, 6"**
SHALL EXTEND UNDER THE TRAFFIC BARRIER TERMINAL.
2. "EXISTING" GUARDRAIL REFERS TO CONNECTING TERMINAL SECTION TO GUARD RAILING PRIOR TO THE MIDWEST GUARDRAIL SYSTEM.
3. THE CONTRACTOR SHALL VERIFY THE TYPE/HEIGHT OF GUARDRAIL IN-PLACE BEFORE ORDERING THE NEW TERMINAL SECTION. COST INCLUDED WITH THE COST OF THE TERMINAL. THE TERMINAL SECTION HEIGHT TO BE PLACED MUST MATCH THE HEIGHT OF THE IN-PLACE GUARDRAIL.

**DETAILS FOR STEEL PLATE BEAM
GUARD RAIL ADJACENT TO CURB AND GUTTER
[FOR ROADWAY SPEED 35 MPH (60 kmh) TO 45 MPH (70 kmh)]**

ILLINOIS DEPARTMENT OF TRANSPORTATION
 STATE ENGINEER
 505 EAST CALDWAY STREET
 SPRINGFIELD, ILLINOIS 62762-1000
 TEL: 217/243-3000 FAX: 217/243-3001

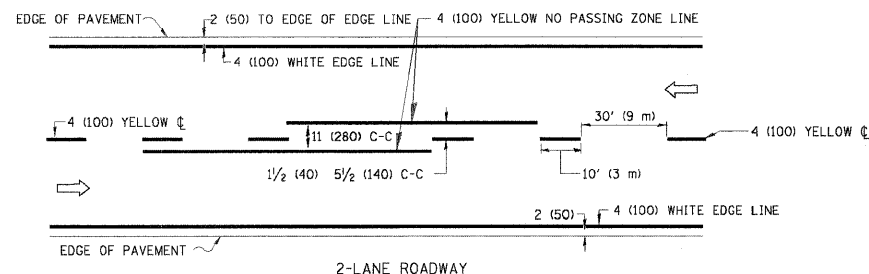
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		CHECKED -	REVISED - R. BORO 12-08-2008
		DATE - 09-22-90	REVISED - R. BORO 09-14-2009
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PLOT DATE = 9/21/2009			

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

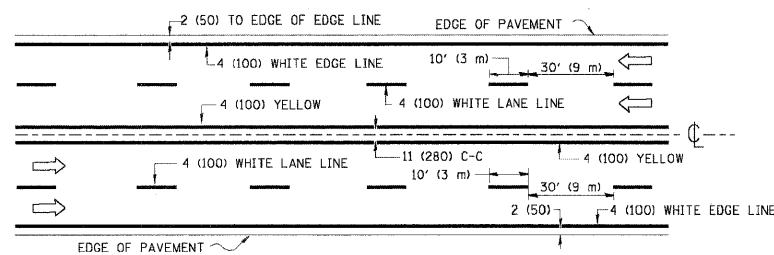
**DETAILS FOR DEPRESSED CURB & GUTTER AND
SHOULDER TREATMENT AT TBT TY 1 SPL.**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

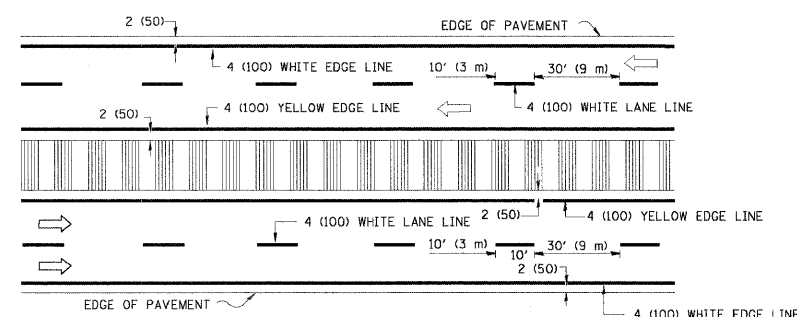
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BD600-10 (BD 34)			CONTRACT NO. 63597	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



2-LANE ROADWAY



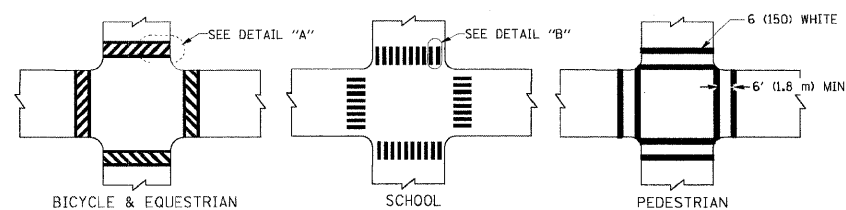
MULTI-LANE UNDIVIDED



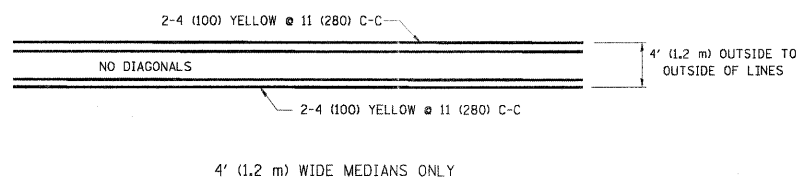
MULTI-LANE DIVIDED WITH MOUNTABLE MEDIAN

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

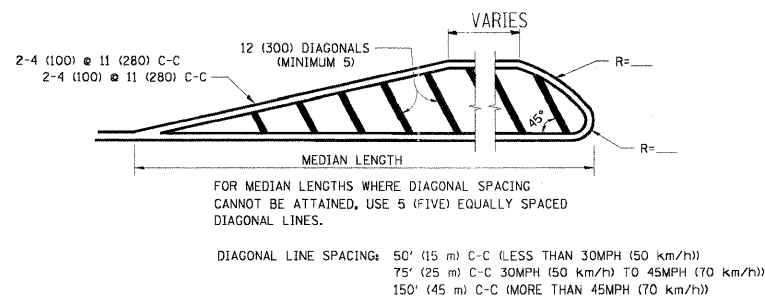
TYPICAL LANE AND EDGE LINE MARKING



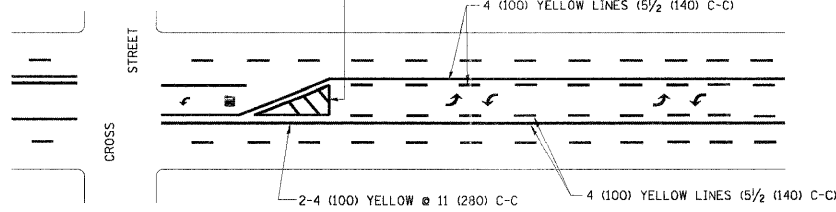
TYPICAL CROSSWALK MARKING



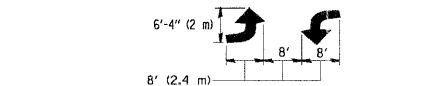
4' (1.2 m) WIDE MEDIANS ONLY



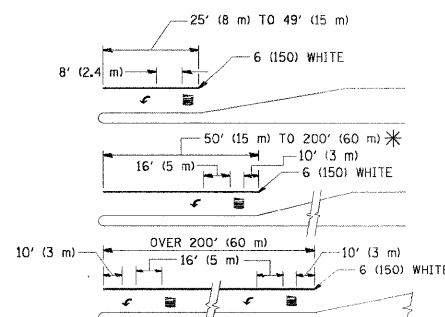
MEDIANS OVER 4' (1.2 m) WIDE



TYPICAL PAINTED MEDIAN MARKING



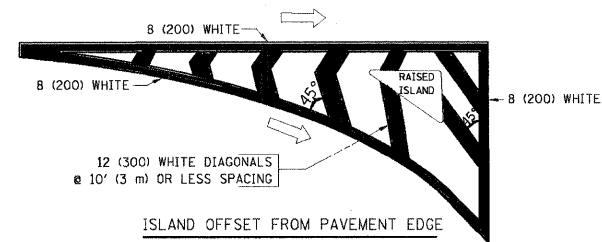
MEDIAN WITH TWO-WAY LEFT TURN LANE



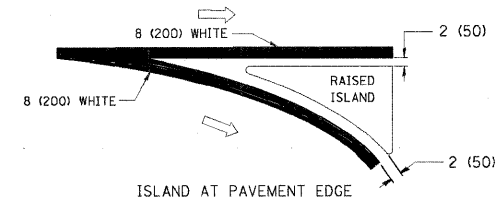
TYPICAL LEFT (OR RIGHT) TURN LANE

FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED. AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²) * TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL TURN LANE MARKING



ISLAND OFFSET FROM PAVEMENT EDGE



TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT. OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW; TWO WAY TRAFFIC WHITE; ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" IS 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

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

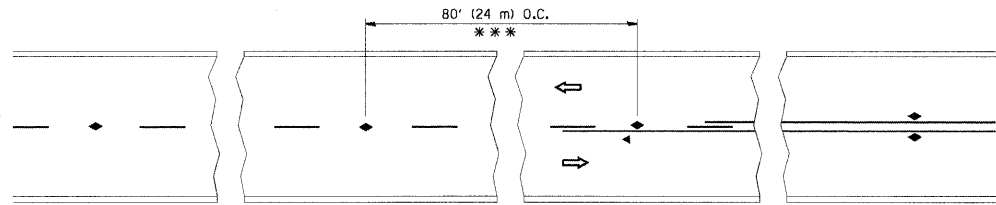
All dimensions are in inches (millimeters) unless otherwise shown.

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

DISTRICT ONE TYPICAL PAVEMENT MARKINGS

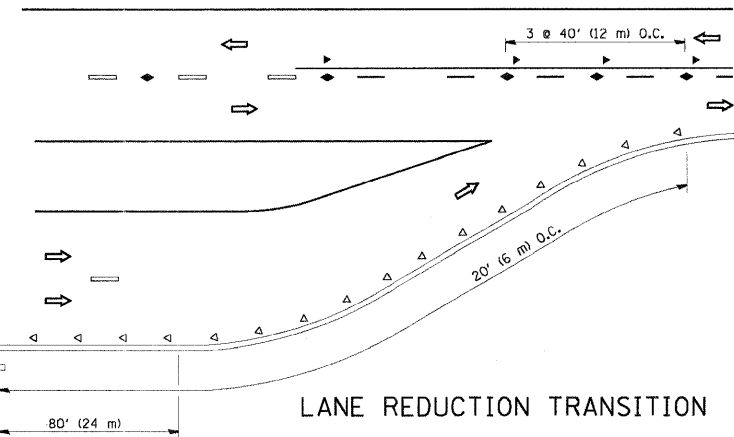
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PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 9/9/2009		DATE - 03-19-90	REVISED -

SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	F.A. RTE. 367	SECTION 07-00154-11-TL	COUNTY WILL	TOTAL SHEETS 70	SHEET NO. 55
			CONTRACT NO. 63597		FED. ROAD DIST. NO. 1 [ILLINOIS] FED. AID PROJECT		

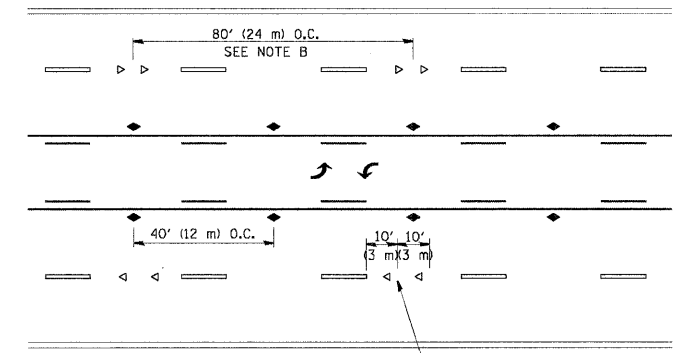


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

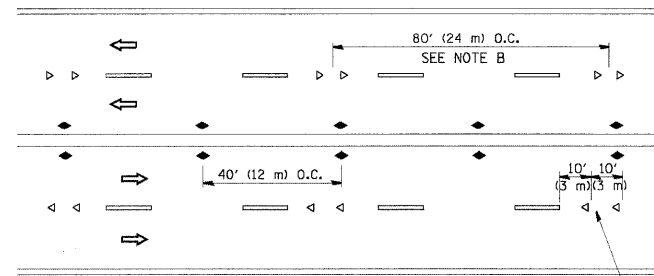
TWO-LANE/TWO-WAY



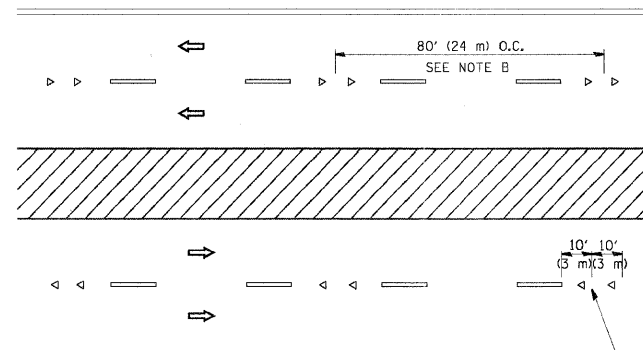
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

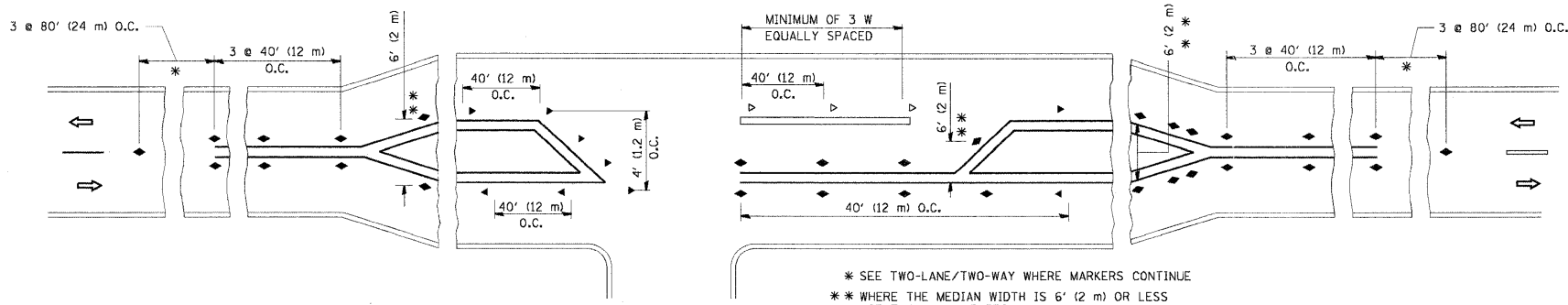
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◁ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



LEFT TURN

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

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

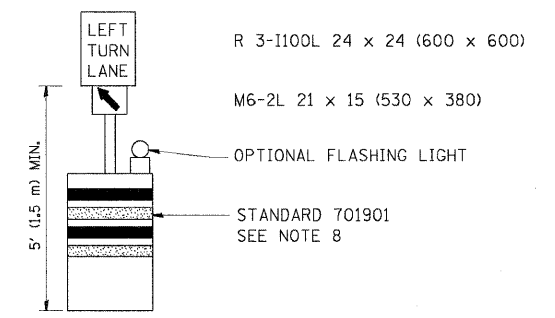
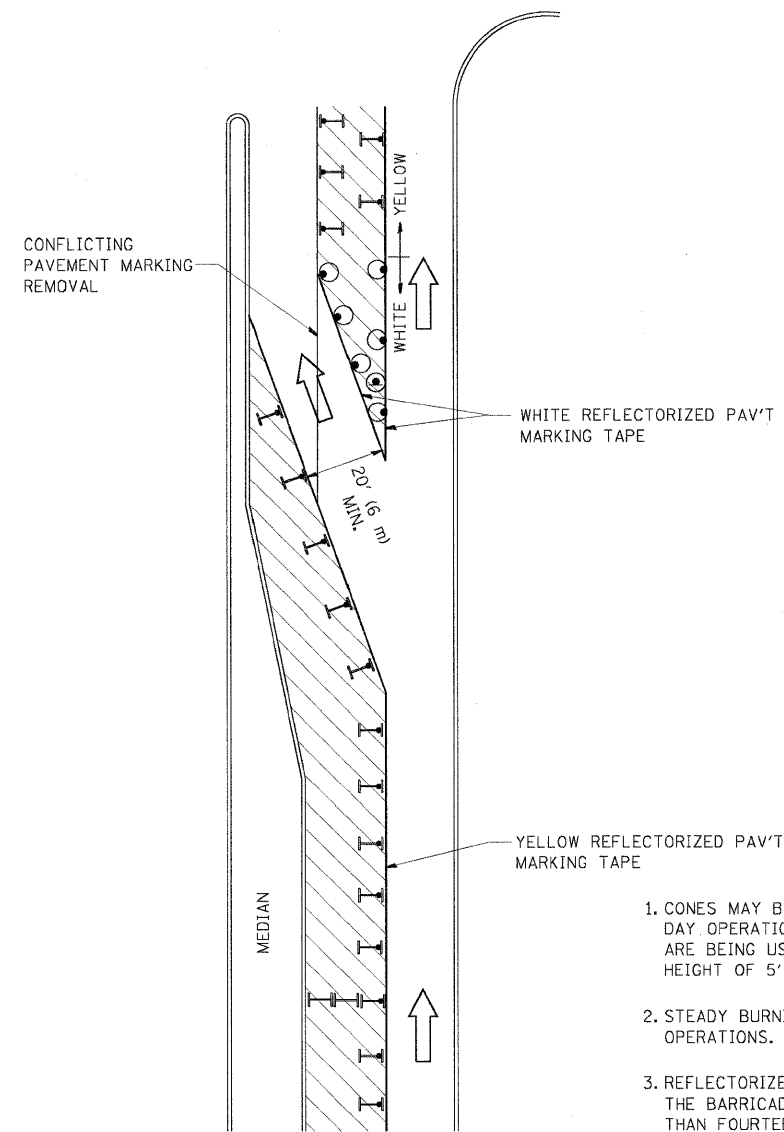
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 DRAWN - T. RAMMACHER 03-12-99 ... CHECKED - T. RAMMACHER 01-06-00 ...
 DATE - C. JUCIUS 09-09-09 ... PLOT SCALE = 50,000 / IN ... PLOT DATE = 3/2/2011

FILE NAME =	USER NAME = leyao	DESIGNED - T. RAMMACHER 09-19-94	REVISED - T. RAMMACHER 09-19-94
DRAWN - T. RAMMACHER 03-12-99	CHECKED - T. RAMMACHER 01-06-00	DATE - C. JUCIUS 09-09-09	REVISED - C. JUCIUS 09-09-09
PLOT SCALE = 50,000 / IN	PLOT DATE = 3/2/2011		

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL APPLICATIONS			
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
367	07-00154-11-TL	WILL	70	56
TC-11			CONTRACT NO. 63597	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

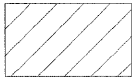







GENERAL NOTES

1. CONES MAY BE SUBSTITUTED FOR BARRICADES OR DRUMS AT HALF THE SPACING DURING DAY OPERATIONS. CONES SHALL BE A MINIMUM OF 28 (710) IN HEIGHT. WHEN CONES ARE BEING USED, THE "LEFT TURN LANE" SIGN MAY BE SKID MOUNTED AT A MINIMUM HEIGHT OF 5' (1.5 m).
2. STEADY BURNING LIGHTS WILL NOT BE REQUIRED ON BARRICADES OR DRUMS FOR DAY OPERATIONS. ALL LIGHTS SHALL BE MONODIRECTIONAL.
3. REFLECTORIZED TEMPORARY PAVEMENT MARKING TAPE SHALL BE PLACED THROUGHOUT THE BARRICADED AREA OF EACH TURN BAY WHERE THE CLOSURE TIME IS GREATER THAN FOURTEEN DAYS.
4. THIS APPLICATION ALSO APPLIES WHEN WORK IS BEING PERFORMED IN THE RIGHT LANE(S) AND THE RIGHT TURN BAY IS TO REMAIN OPEN. UNDER THIS CONDITION, "RIGHT TURN LANE" R3-100 24 x 24 (600 x 600) AND M6-2R 21 x 15 (530 x 380) SHALL BE USED.
5. THESE CONTROLS SHALL SUPPLEMENT MAINLINE TRAFFIC CONTROL FOR LANE CLOSURES.
6. LONGITUDINAL DIMENSIONS MAY BE ADJUSTED TO FIT FIELD CONDITIONS.
7. FORM OPER 725 IS REQUIRED.
8. IF A DRUM OR TYPE II BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.
9. TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC) SHALL BE INCLUDED IN THE COST SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

LEGEND

-  WORK AREA
-  LANE OPEN TO TRAFFIC
-  TYPE I OR II BARRICADE WITH STEADY BURN LIGHT
-  DRUM WITH STEADY BURN LIGHT
-  DRUM WITH SIGN (WITH OPTIONAL FLASHING LIGHT) SEE DETAIL
-  TYPE I OR II CHECK BARRICADE WITH FLASHING LIGHT

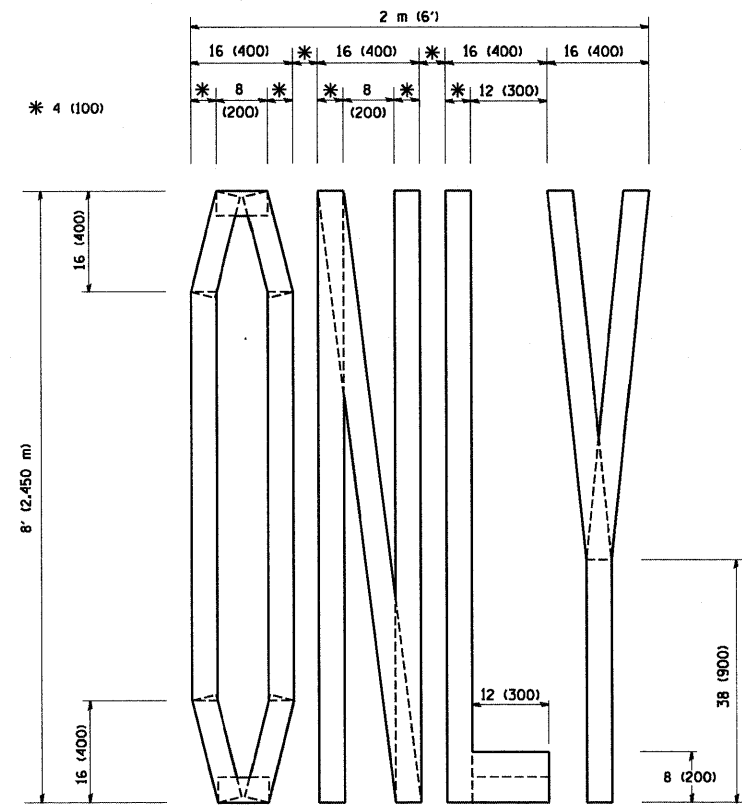
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 FILED: 07/14/2009 11:02:01 AM
 SEC. PROJ. NO. 03008 11/02/01 18/02/04

FILE NAME =	USER NAME = drvakoeqgn	REVISED - T. RAMMACHER 09-08-94	REVISED - R. BORO 09-14-09
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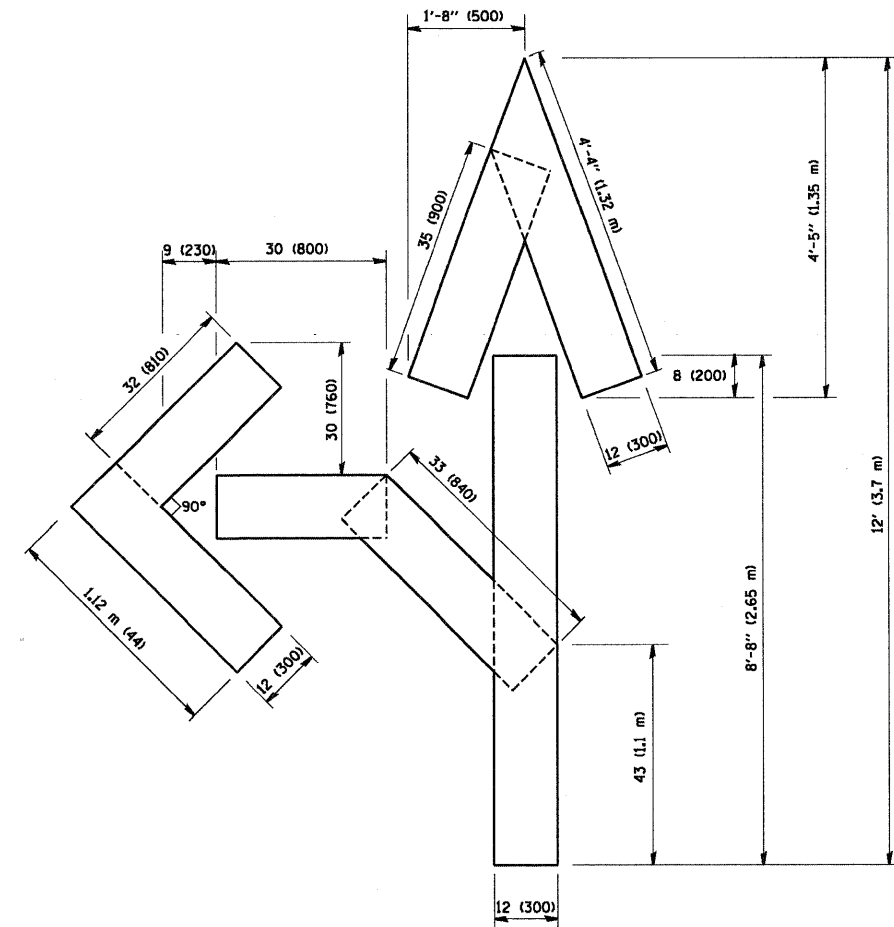
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

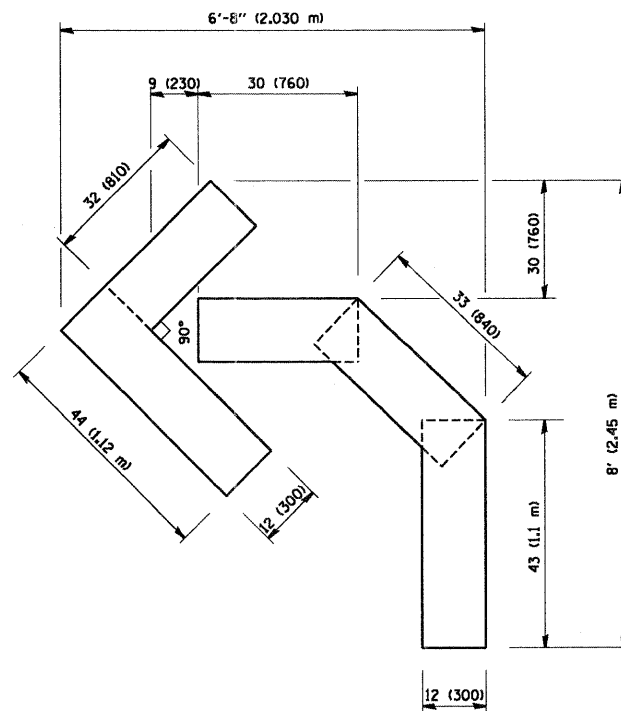
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
367	07-00154-11-TL	WILL	70	57
TC-14			CONTRACT NO. 63597	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



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



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



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

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

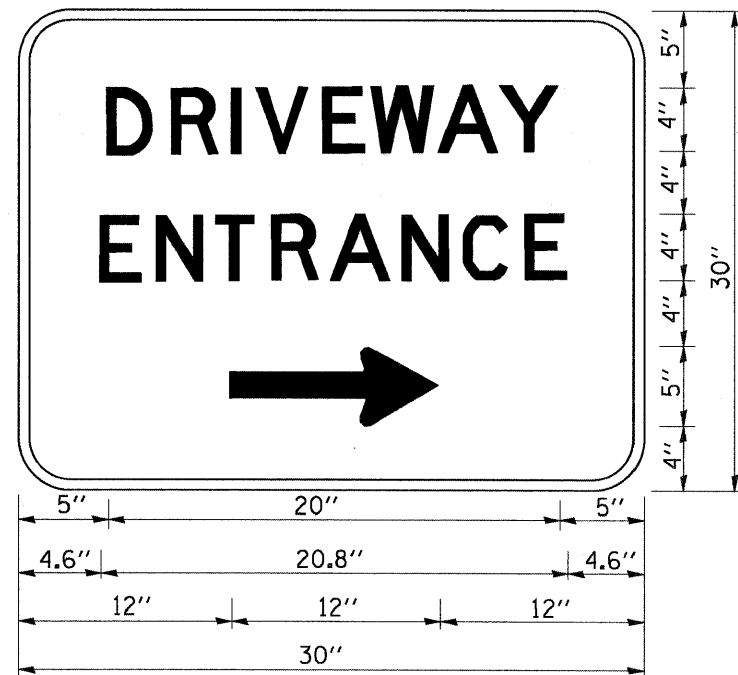
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING			
SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
367	07-00154-11-TL	WILL	70	58
TC-16			CONTRACT NO. 63597	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

NOTES:

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE PLACED BACK-TO-BACK; ONE WITH A RIGHT HAND ARROW (SHOWN) SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

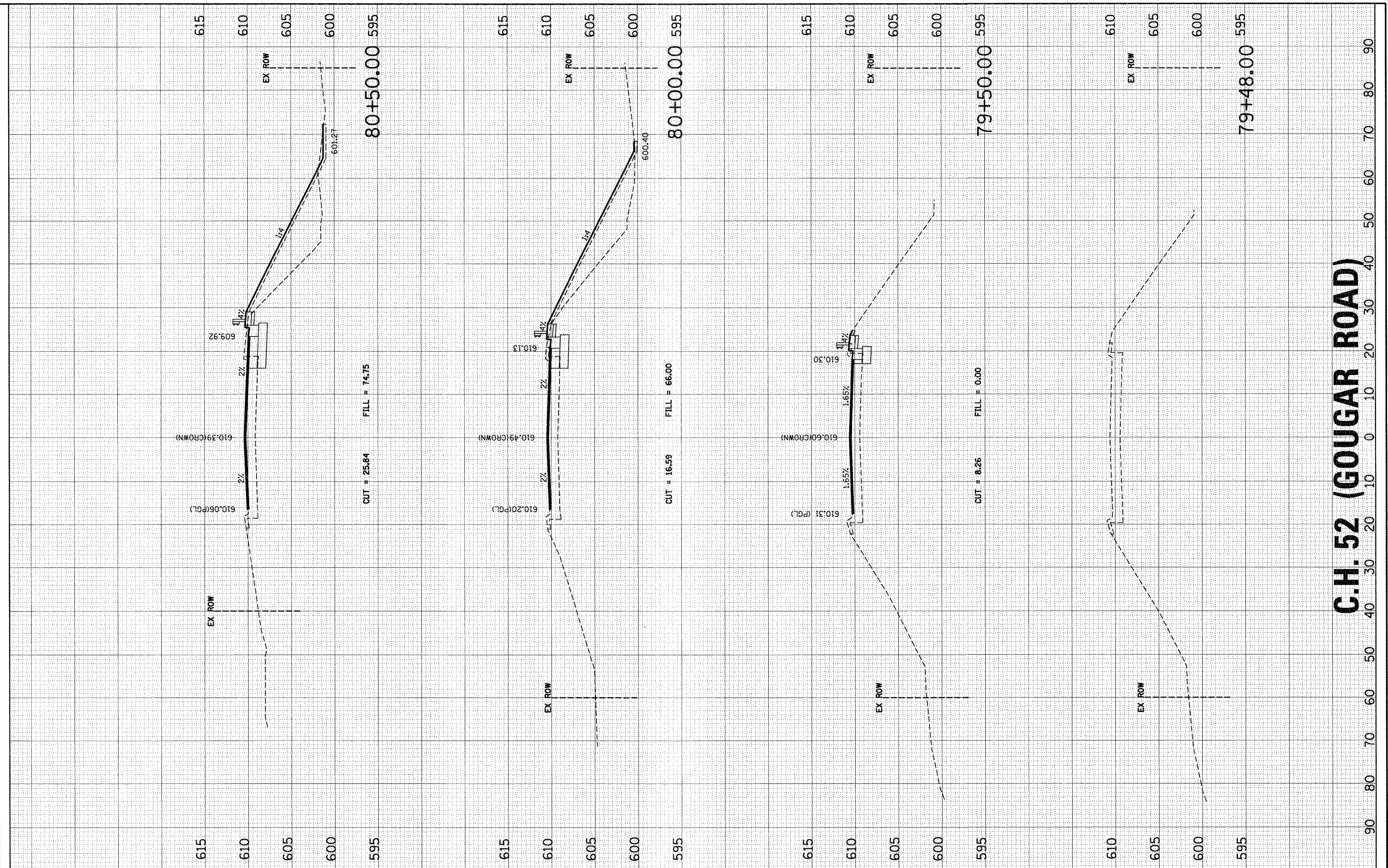
PROJECT CONTACT: JAMES C. O'NEIL, P.E.
 PLANNING & DESIGN SERVICES, INC.
 200 PROSPECT AVE. SUITE 200
 CHICAGO, IL 60601

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		CHECKED -	REVISED -		TC-26			CONTRACT NO. 63597				
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FINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK NO.	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		
	AREAS CHECKED		

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

SEC Group, Inc. 11/8/2011



C.H. 52 (GOUGAR ROAD)

SEC Group, Inc.
 An ITR Green Company
 325 Adams Drive
 Naperville, Illinois 60563
 1.815.462.8204 | 1.815.462.8229
 www.secgroupinc.com

USER NAME =	RBest
FILE NAME =	056.07_xs.dgn
PLOT SCALE =	
PLOT DATE =	11/8/2011
DESIGNED -	BDC
DRAWN -	RCB
CHECKED -	APS
DATE -	11/8/11
REVISED -	
REVISED -	
REVISED -	

**ILLINOIS DEPARTMENT OF TRANSPORTATION
 PROPOSED ROADWAY IMPROVEMENTS
 C.H. 52 (GOUGAR ROAD) AT U.S. ROUTE 30**

CROSS SECTIONS	
SCALE:	SHEET NO. 1 OF 9 SHEETS STA. 79+48.00 TO STA. 80+50.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
367	07-00154-11-TL	WILL	70	62
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 63597		

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

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

PROJECT: COUNTY: STATE: D. DAVIS, P.E.
 FILE NAME: 056.07.dgn
 DATE: 11/8/2011



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 PLOT DATE = 11/8/2011

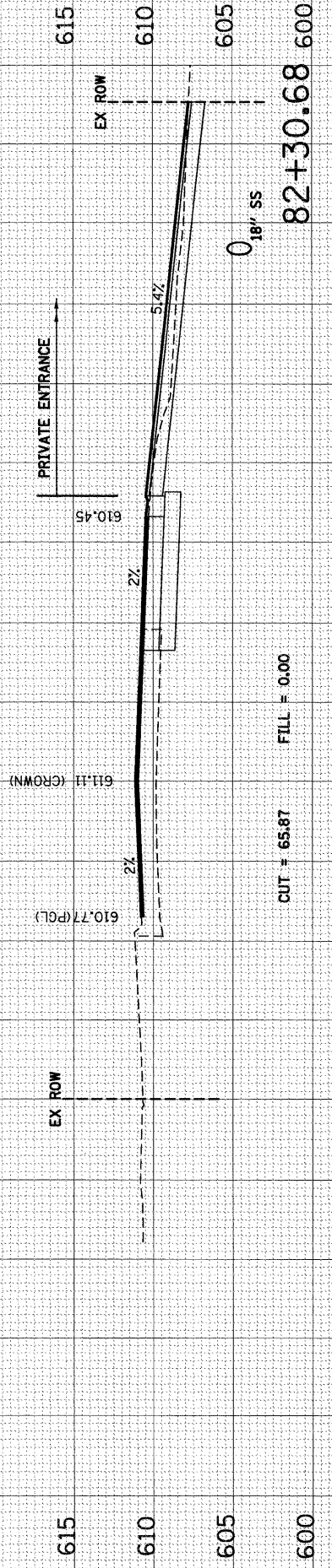
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 CHECKED - APS
 DATE - 11/8/11

REVISED -
 REVISED -
 REVISED -
 REVISED -

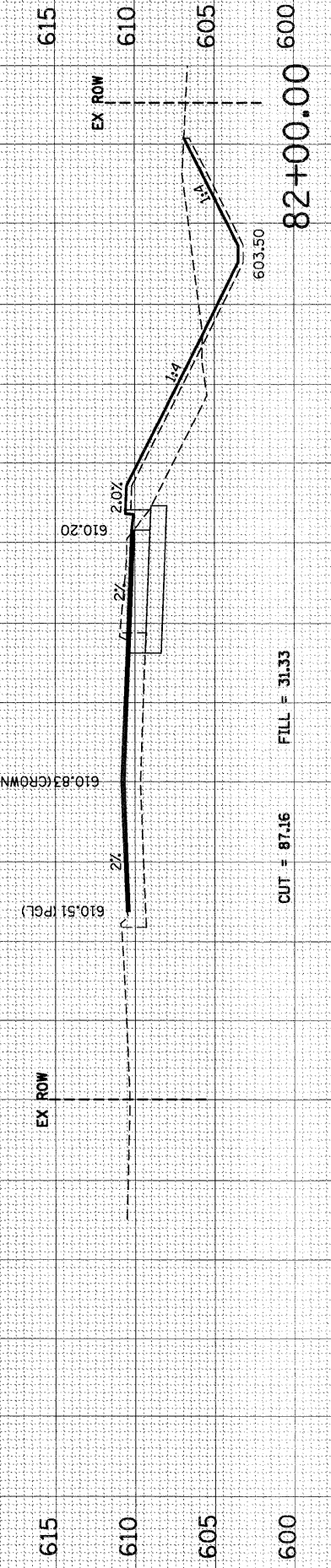
**ILLINOIS DEPARTMENT OF TRANSPORTATION
 PROPOSED ROADWAY IMPROVEMENTS
 C.H. 52 (GOUGAR ROAD) AT U.S. ROUTE 30**

CROSS SECTIONS
 SCALE: SHEET NO. 2 OF 9 SHEETS STA. 81+00.00 TO STA. 82+30.68

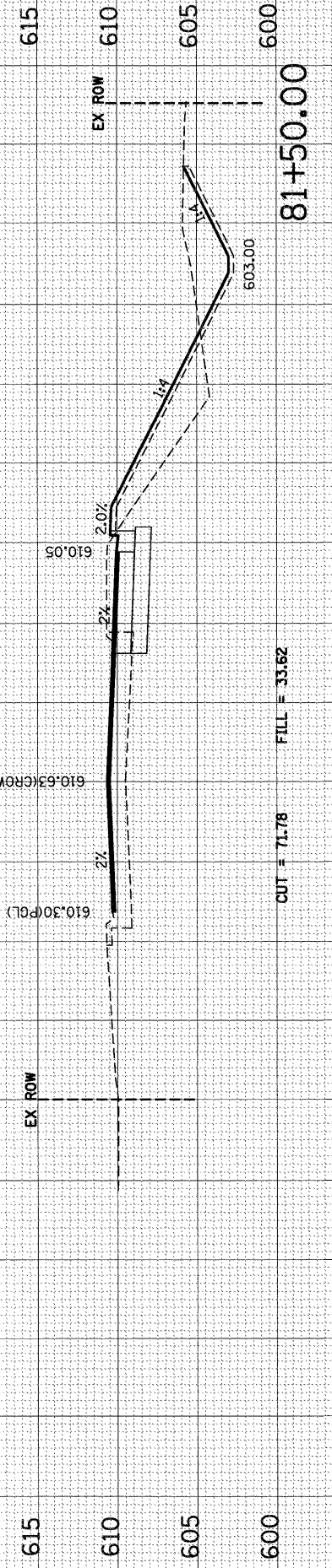
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367	07-00154-11-TL	WILL	70	63
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 63597	



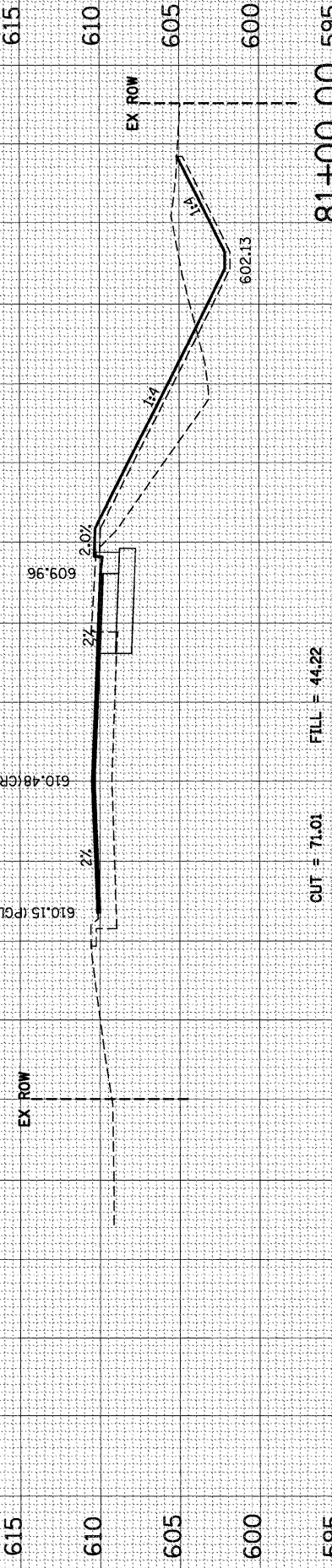
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CUT = 71.78 FILL = 33.62



CUT = 71.01 FILL = 44.22

C.H. 52 (GOUGAR ROAD)

90 80 70 60 50 40 30 20 10 0 10 20 30 40 50 60 70 80 90

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

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

SEC GROUP, INC.
 11800 S. HARVEY AVE., SUITE 200
 CHICAGO, ILLINOIS 60628

SEC Group, Inc.
 An IRI Group Company
 300 North Dearborn
 Near Laramie, Illinois 60461
 T 815.463.3200 F 815.463.3209
 www.secgroupinc.com
 840 Henry St., Norwalk, CT Near Laramie, Chicago, IL

USER NAME = RBest
 FILE NAME = 055.07_xs.dgn
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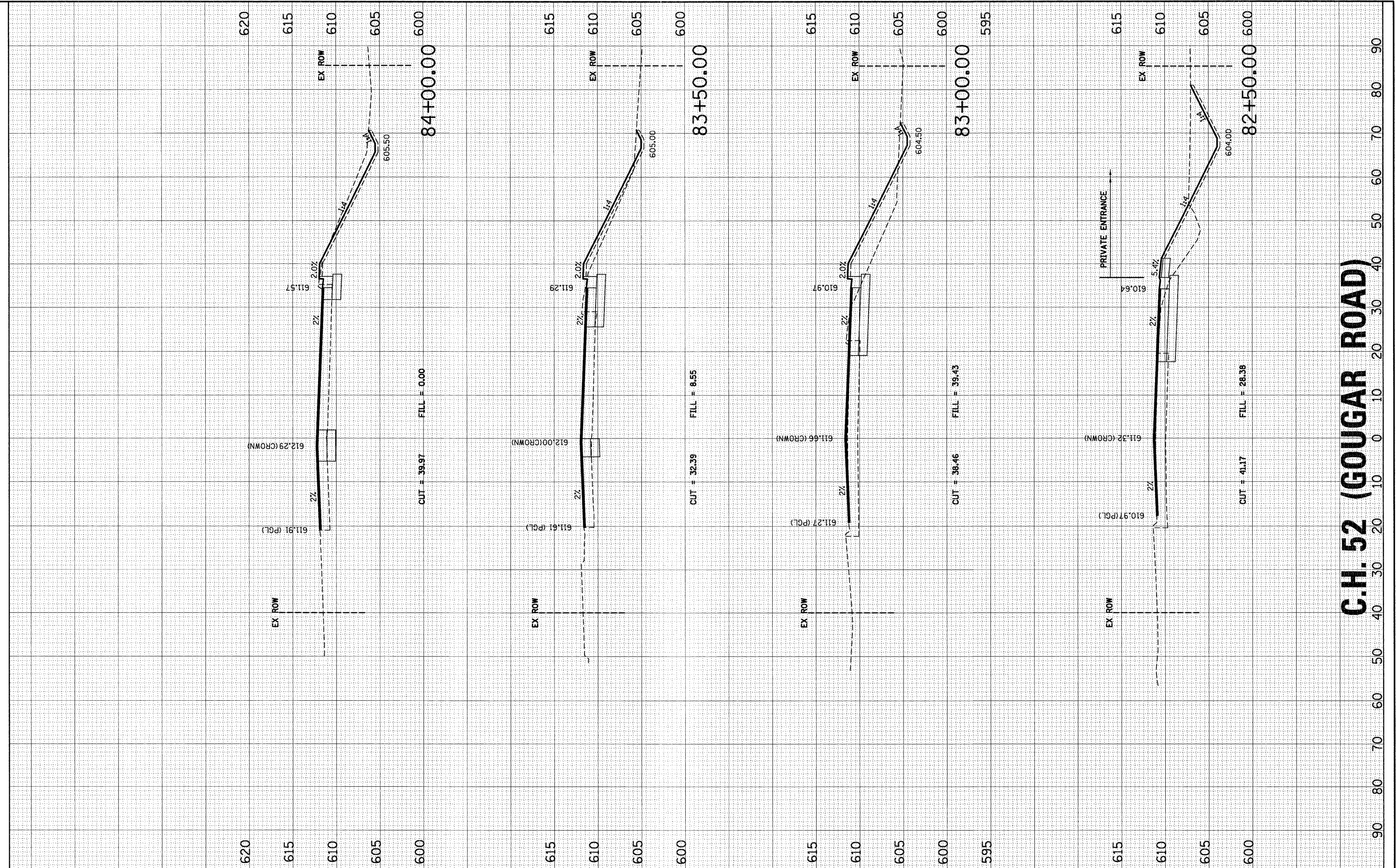
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 DRAWN - RCB
 CHECKED - APS
 DATE - 11/8/11

REVISED -
 REVISED -
 REVISED -
 REVISED -

**ILLINOIS DEPARTMENT OF TRANSPORTATION
 PROPOSED ROADWAY IMPROVEMENTS
 C.H. 52 (GOUGAR ROAD) AT U.S. ROUTE 30**

CROSS SECTIONS
 SCALE: SHEET NO. 3 OF 9 SHEETS STA. 82+50.00 TO STA. 84+00.00

F.A.U. RTE. 367	SECTION NO. 07-00154-11-TL	COUNTY WILL	TOTAL SHEETS 70	SHEET NO. 64
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63597	

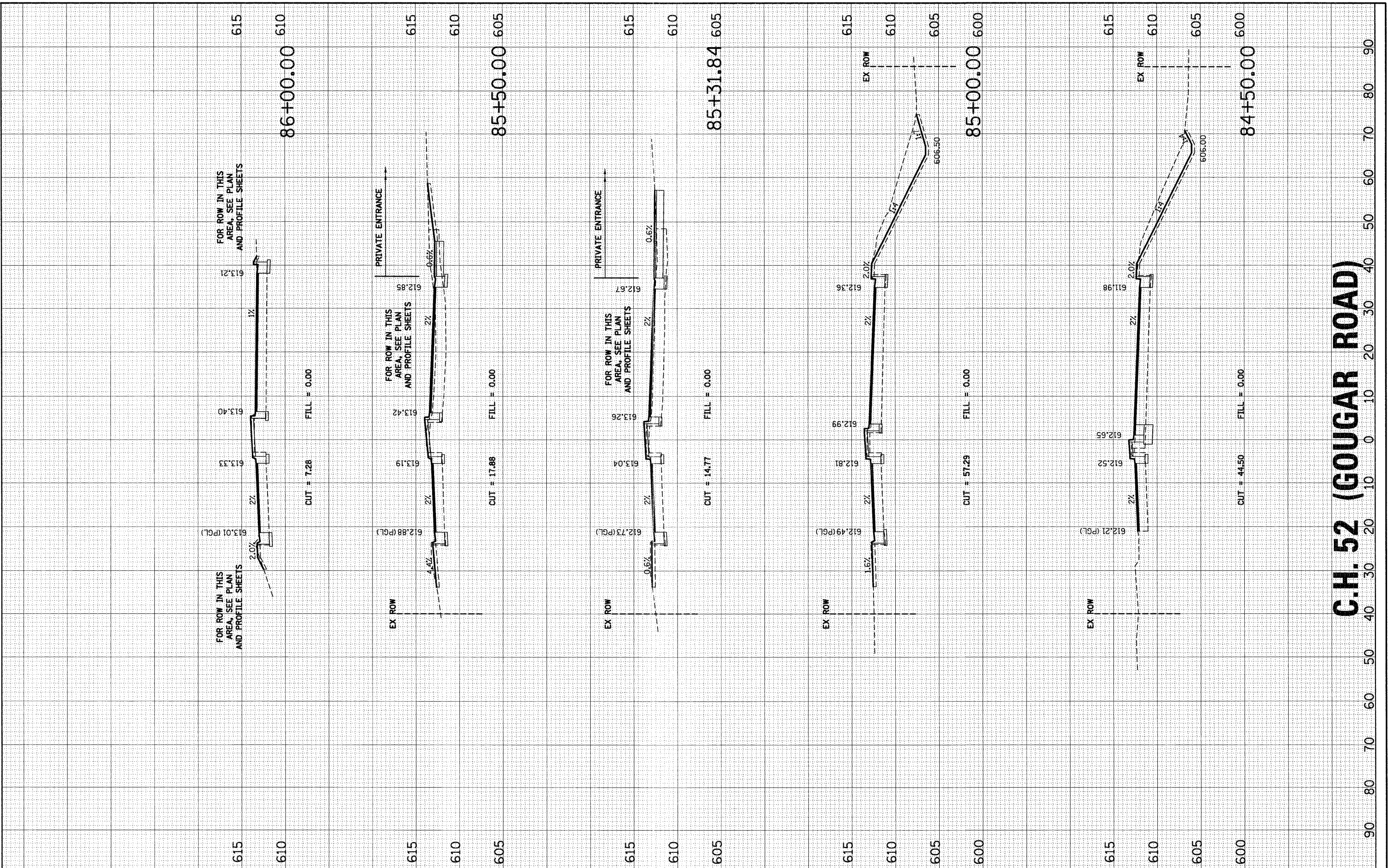


C.H. 52 (GOUGAR ROAD)

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

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK NO.	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	

PROJECT: C.H. 52 (GOUGAR ROAD) AT U.S. ROUTE 30
 FILED: 11/8/2011 10:20 AM
 DRAWN BY: RCB



C.H. 52 (GOUGAR ROAD)

SEC Group, Inc.
 An HR Green Company
 222 North State
 New Lenox, Illinois 80461
 (815) 462-3344 / (815) 462-9328
 www.secgroup.com

USER NAME = RCBest
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 DATE - 11/8/11

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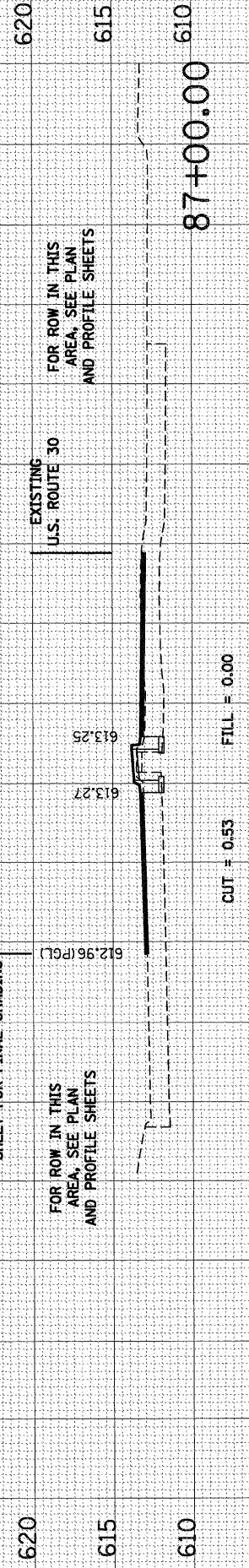
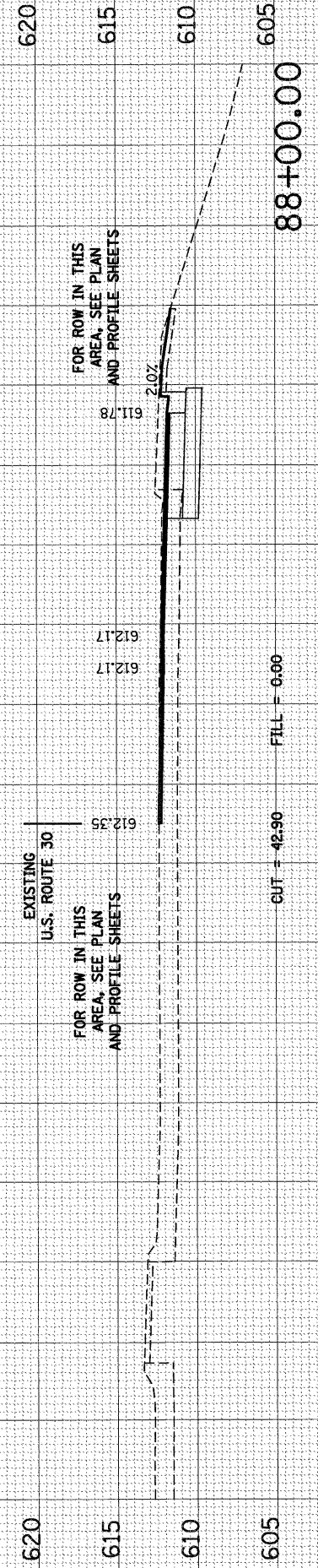
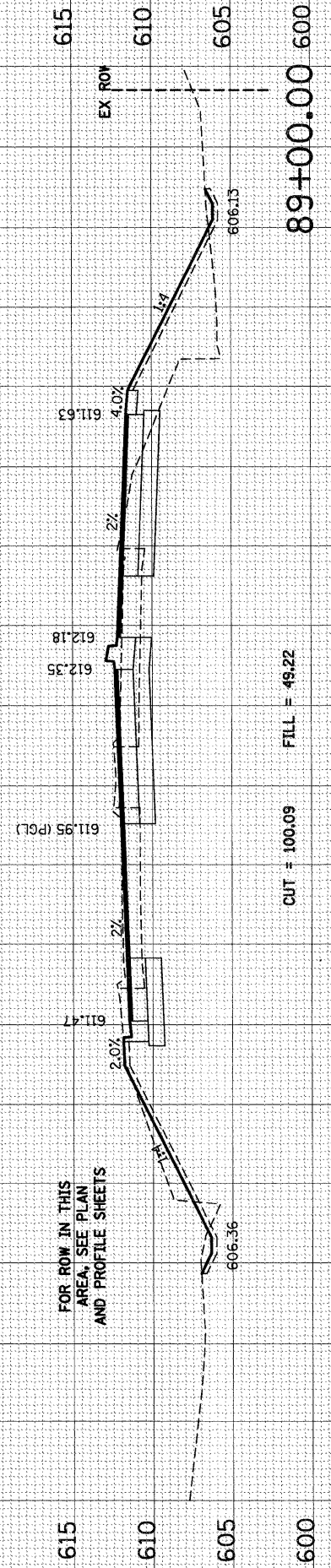
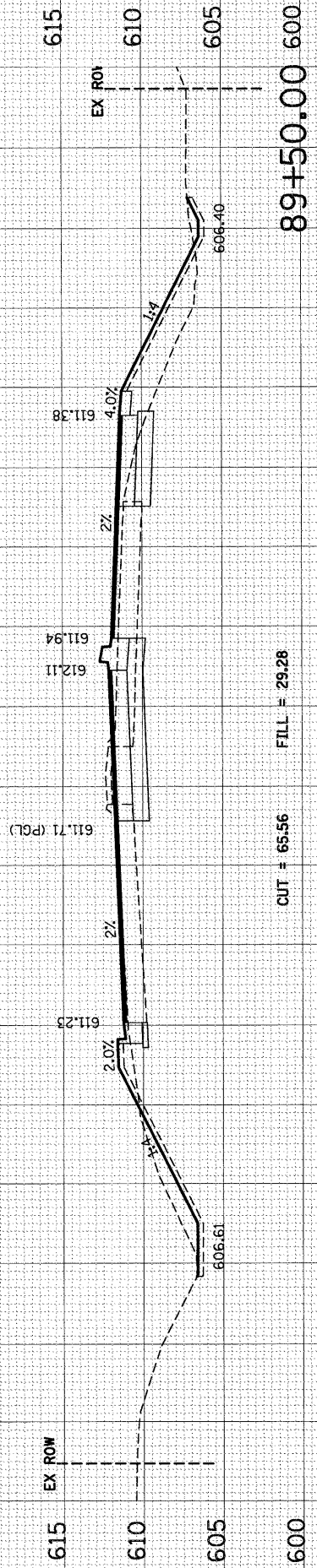
**ILLINOIS DEPARTMENT OF TRANSPORTATION
 PROPOSED ROADWAY IMPROVEMENTS
 C.H. 52 (GOUGAR ROAD) AT U.S. ROUTE 30**

CROSS SECTIONS
 SCALE: SHEET NO. 4 OF 9 SHEETS STA. 84+50.00 TO STA. 86+00.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
367	07-00154-11-TL	WILL	70	65
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 63597	

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

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



C.H. 52 (GOUGAR ROAD)

ILLINOIS DEPARTMENT OF TRANSPORTATION PROPOSED ROADWAY IMPROVEMENTS C.H. 52 (GOUGAR ROAD) AT U.S. ROUTE 30

CROSS SECTIONS
SCALE: SHEET NO. 5 OF 9 SHEETS STA. 87+00.00 TO STA. 89+50.00

USER NAME = RBeest
FILE NAME = 056.07_xs.dgn
PLOT SCALE =
PLOT DATE = 11/8/2011

DESIGNED - BDC
DRAWN - RCB
CHECKED - APS
DATE - 11/8/11

REVISED -
REVISED -
REVISED -
REVISED -

F.A.U. RTE. 367	SECTION NO. 07-00154-11-TL	COUNTY WILL	TOTAL SHEETS 70	SHEET NO. 66
CONTRACT NO. 63597				

SEC Group, Inc.
An IRI Group Company
323 Alamo Drive
New Lenox, Illinois 80451
(815) 462-3324 / (815) 462-8326
www.secgroupinc.com
440 Perry St., Yorkville, IL 60554 / 4400 Lemay St., Chicago, IL 60632

PLANNED PROJECT: IRRIG. C. OHAN, P.E.
FILE NUMBER: 07-00154-11-TL
DATE: 11/8/2011

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

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

PROJECT: CHICAGO AIRPORT & DUNN, ILL.
 FILE: 07-00154-11-11-11.dwg
 PLOT DATE: 11/8/2011

SEC Group, Inc.
 An IRI Group Company
 323 Alameda Drive
 Naperville, IL 60563
 1.615.462.8244 | 615.462.9326
 www.secgroup.com

USER NAME =	RBes1
FILE NAME =	056_07_xs.dgn
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PLOT DATE =	11/8/2011

DESIGNED -	BDC
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DATE -	11/8/11

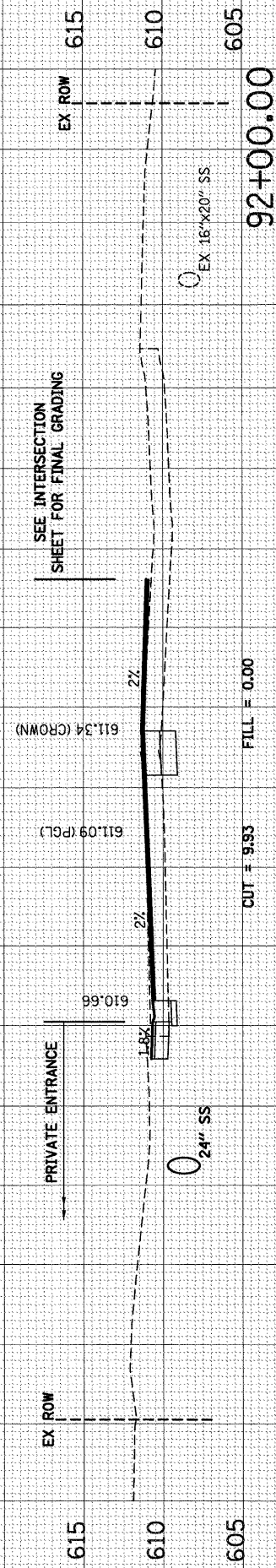
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**ILLINOIS DEPARTMENT OF TRANSPORTATION
 PROPOSED ROADWAY IMPROVEMENTS
 C.H. 52 (GOUGAR ROAD) AT U.S. ROUTE 30**

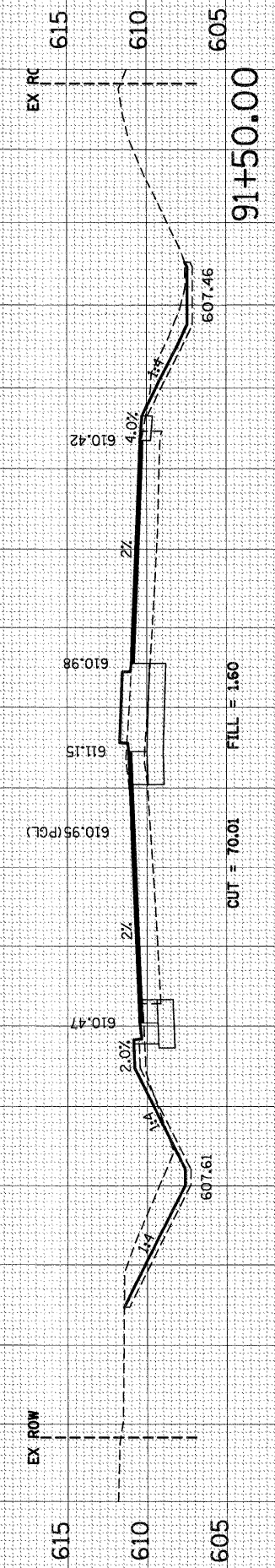
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SHEET NO. 6 OF 9 SHEETS	STA. 90+00.00 TO STA. 92+00.00

CROSS SECTIONS

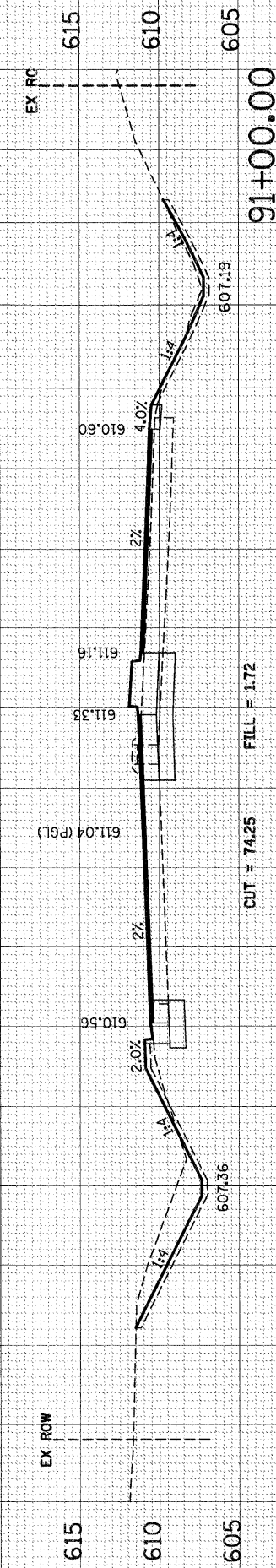
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367	07-00154-11-TL	WILL	70	67
FED. ROAD DIST. NO.		[ILLINOIS] FED. AID PROJECT		
		CONTRACT NO. 63597		



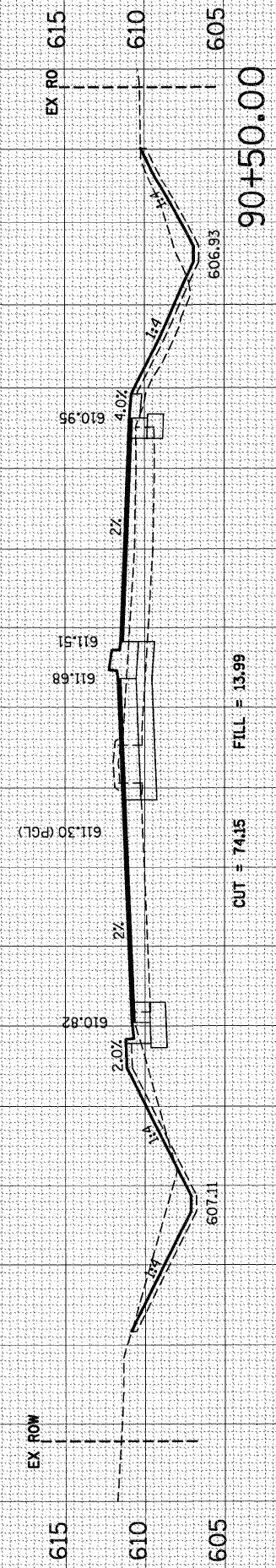
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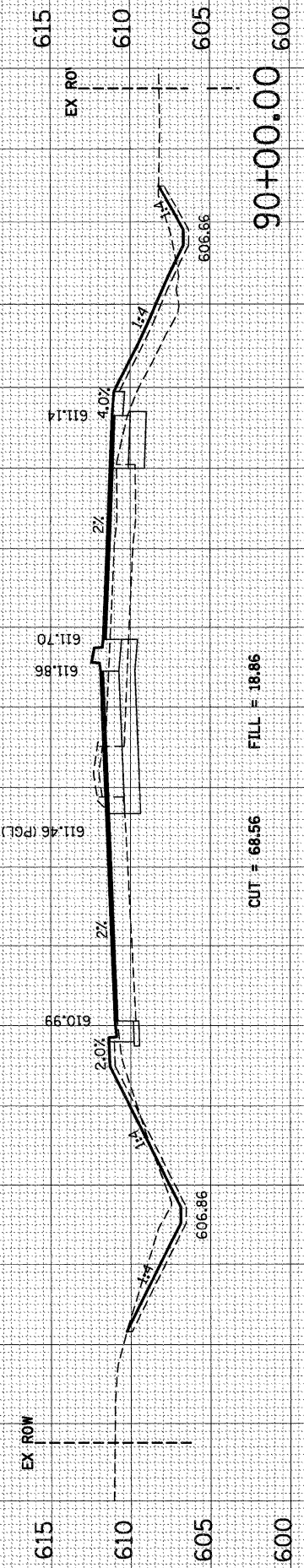
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CUT = 74.25 FILL = 1.72



CUT = 74.15 FILL = 13.99



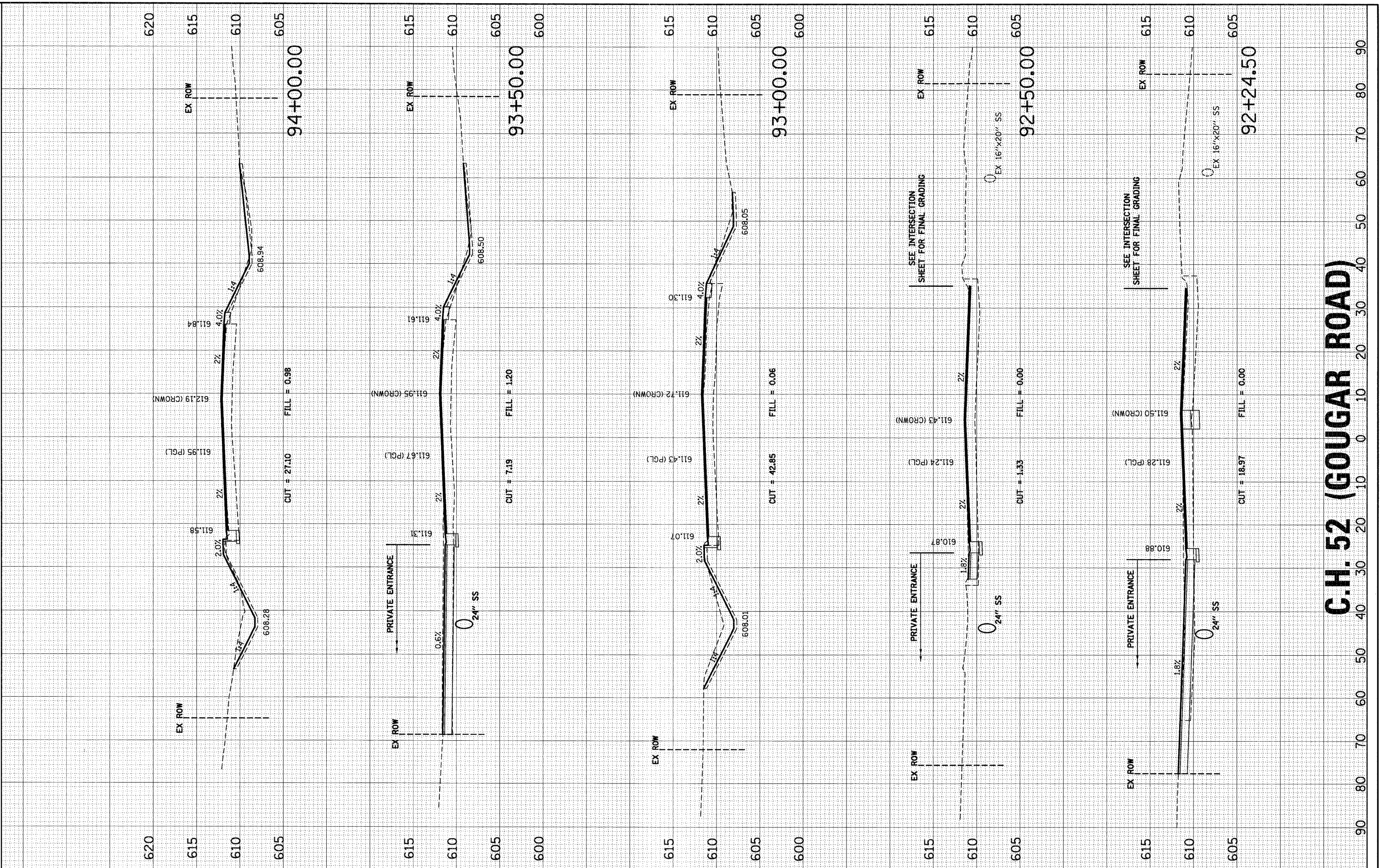
CUT = 68.56 FILL = 18.86

C.H. 52 (GOUGAR ROAD)

BY	DATE

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
	TEMPLATE	
	AREAS CHECKED	

PROJECT CONTACT: BRAD O. DANA, P.E.
 447 W. Wacker Drive, Suite 1000
 Chicago, IL 60601



C.H. 52 (GOUGAR ROAD)

SEC Group, Inc.
 An IRI Group Company
 525 North Dearborn
 New Lenox, Illinois 60461
 815-462-3024 | 815-462-3028
 www.secgroup.com

USER NAME = RBast
 FILE NAME = 056.07_xs.dgn
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 PLOT DATE = 11/8/2011

DESIGNED - BDC
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 DATE - 11/8/11

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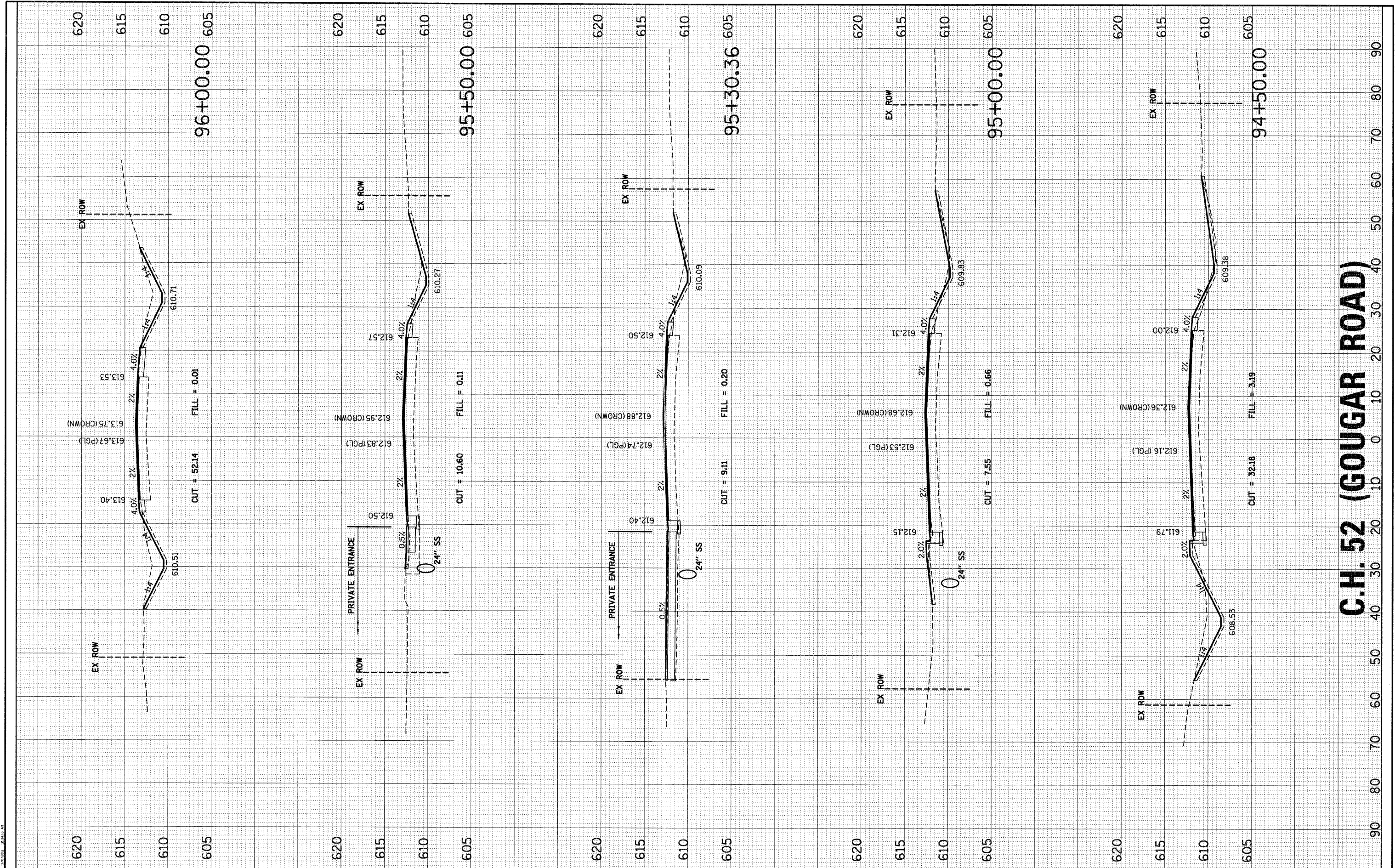
**ILLINOIS DEPARTMENT OF TRANSPORTATION
 PROPOSED ROADWAY IMPROVEMENTS
 C.H. 52 (GOUGAR ROAD) AT U.S. ROUTE 30**

CROSS SECTIONS
 SCALE: SHEET NO. 7 OF 9 SHEETS STA. 92+24.50 TO STA. 94+00.00

F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
367	07-00154-11-TL	WILL	70	68
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63597	

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

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



C.H. 52 (GOUGAR ROAD)

SEC Group, Inc.
 An IRI Group Company
 320 Howe Drive
 New Lenox, Illinois 60451
 1-815-832-2244 • 815-832-2228
 www.secgroupinc.com
 Madison, IL • Yorkville, IL • New Lenox, IL • Chicago, IL

USER NAME = RBest	DESIGNED - BDC	REVISED -
FILE NAME = 056.077_xsvdgn	DRAWN - RCB	REVISED -
PLLOT SCALE =	CHECKED - APS	REVISED -
PLLOT DATE = 11/9/2011	DATE - 11/8/11	REVISED -

**ILLINOIS DEPARTMENT OF TRANSPORTATION
 PROPOSED ROADWAY IMPROVEMENTS
 C.H. 52 (GOUGAR ROAD) AT U.S. ROUTE 30**

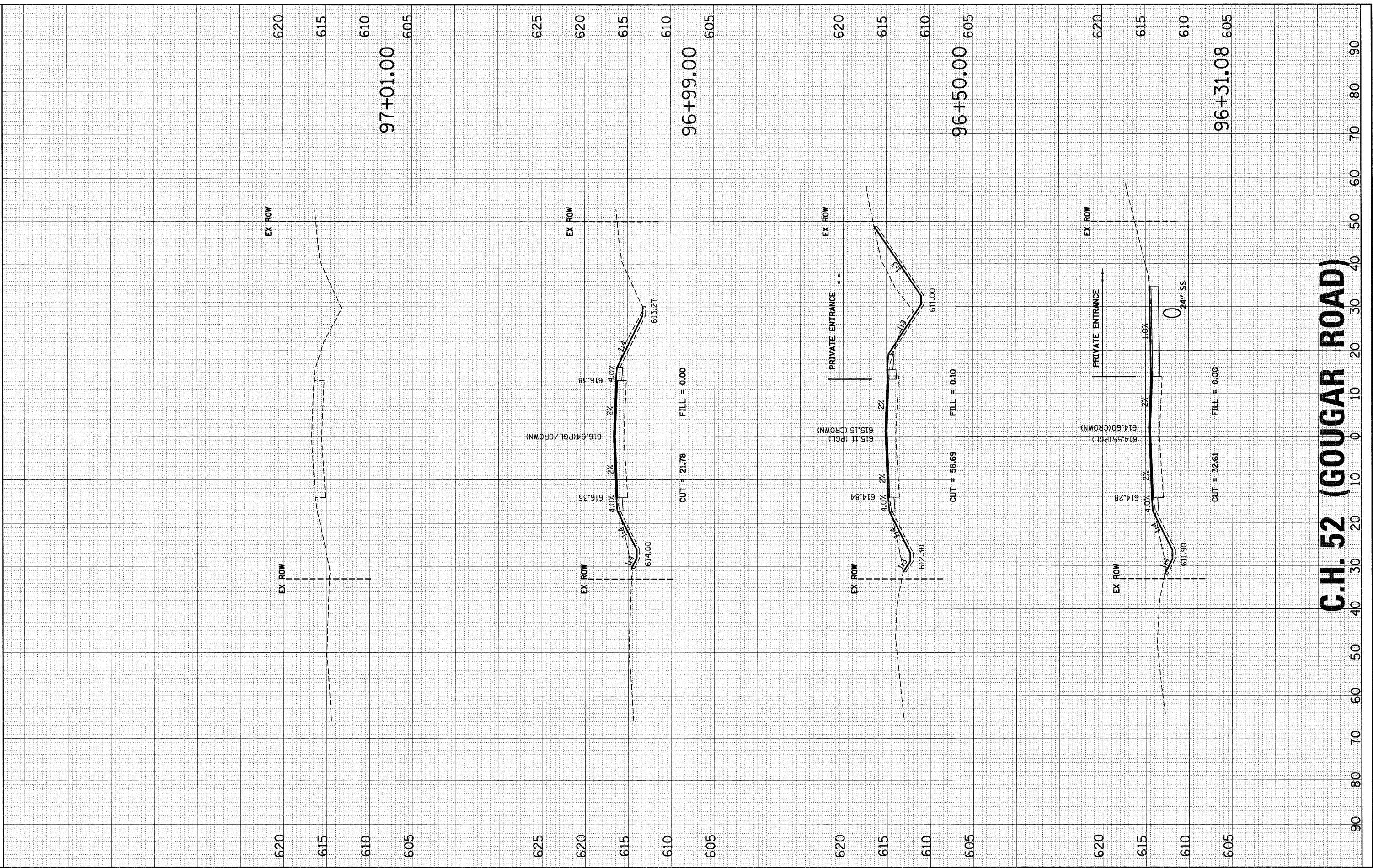
CROSS SECTIONS	
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F.A.U. RTE.	SECTION NO.	COUNTY	TOTAL SHEETS	SHEET NO.
367	07-00154-11-TL	WILL	70	69
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 63597				

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

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

SEC Group, Inc. 11/8/2011 10:43:33 AM



SEC Group, Inc.
 An HR Green Company
 323 Alamo Drive
 Naperville, Illinois 60563
 Phone: 630.233.8200 Fax: 630.233.8201
 www.secgroupinc.com

USER NAME = RBest	DESIGNED - BDC	REVISED -
FILE NAME = 056.07_x.dgn	DRAWN - RCB	REVISED -
PLOT SCALE =	CHECKED - APS	REVISED -
PLOT DATE = 11/8/2011	DATE - 11/8/11	REVISED -

ILLINOIS DEPARTMENT OF TRANSPORTATION
PROPOSED ROADWAY IMPROVEMENTS
C.H. 52 (GOUGAR ROAD) AT U.S. ROUTE 30

CROSS SECTIONS	
SCALE:	SHEET NO. 9 OF 9 SHEETS STA. 96+31.08 TO STA. 97+01.00

F.A.U. RTE. 367	SECTION NO. 07-00154-11-TL	COUNTY WILL	TOTAL SHEETS 70	SHEET NO. 70
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

C.H. 52 (GOUGAR ROAD)