

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PLANS FOR PROPOSED
FEDERAL AID HIGHWAY**

FAP ROUTE 112
IL RTE 53 AT MATERIAL ROAD
INTERSECTION IMPROVEMENT
L.A. SECTION NO.: 09-00055-00-CH
PROJECT NO.: M-9003(829)
VILLAGE of ROMEOVILLE
WILL COUNTY
JOB NO. C-91-572-11

F. A. I. D. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	09-00055-00-CH	WILL.	54	1
STA.	TO STA.			
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	M-9003(829)	

CONTRACT #63753

INDEX OF SHEETS
SEE SHEET 2

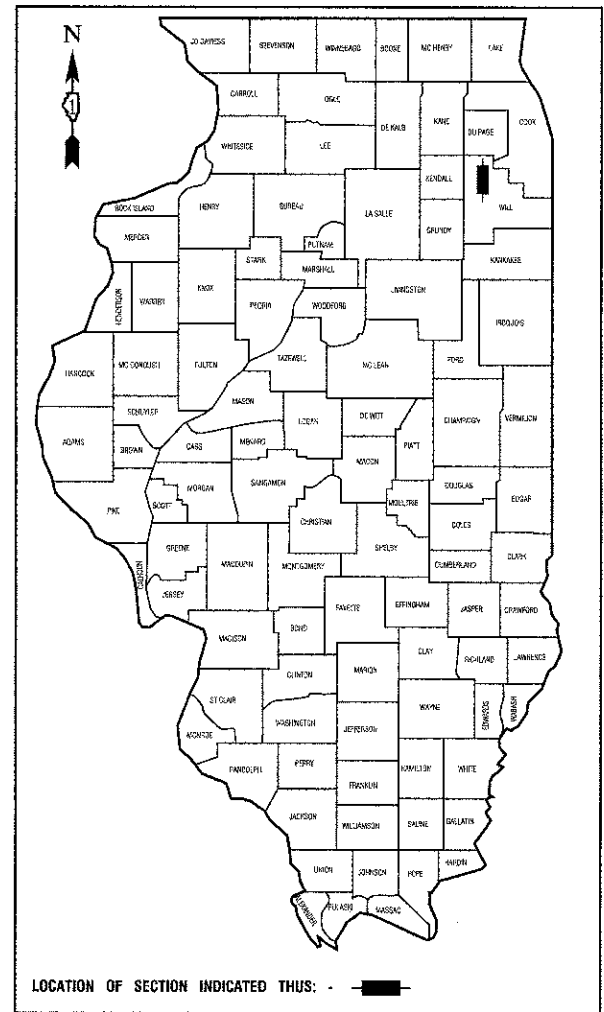
STATE STANDARDS
SEE SHEET 2

DESIGN DESIGNATION - IL RTE 53 ADT 37,000 (2030) - PRINCIPAL ARTERIAL
PV=31,820 SU=2,590 MU=2,590

2009 ADT - 29,100
2030 ADT - 37,000

EXISTING SPEED LIMIT - 45 MPH
PROPOSED SPEED LIMIT - 45 MPH

DESIGN PERIOD - 20 YEARS
DESIGN SPEED LIMIT - 50 MPH
STREET CLASSIFICATION - CLASS 1 ROAD



LOCATION OF SECTION INDICATED THIS: - [Symbol]

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

Approved: [Signature] 10-19-2012
Director of Public Works, Village of Romeoville

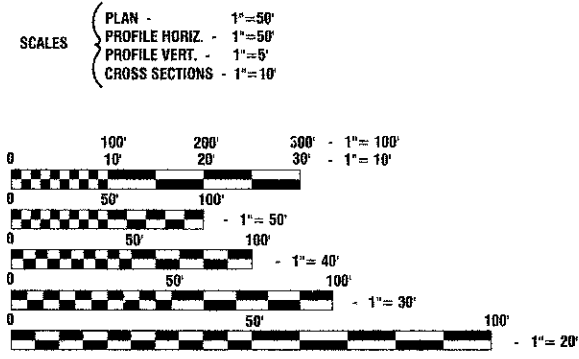
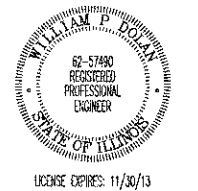
Passed: DECEMBER 20 2012
[Signature]
District Engineer of Local Roads & Streets

Released for Bid Based on Limited Review: December 21 2012
[Signature]
Deputy Director of Highways, Region 1 Engineer

DESCRIPTION OF IMPROVEMENT
THIS IMPROVEMENT CONSISTS OF EARTH EXCAVATION, PAVEMENT REMOVAL, HMA WIDENING AND OVERLAY, HMA FULL DEPTH PAVEMENT, STORM SEWER CONSTRUCTION, TRAFFIC SIGNALS, AND ALL INCIDENTAL WORK AS NECESSARY TO COMPLETE THE IMPROVEMENT SHOWN HEREIN AND AS DESCRIBED IN THE SPECIFICATIONS.

PREPARED BY OR UNDER THE DIRECT SUPERVISION OF:

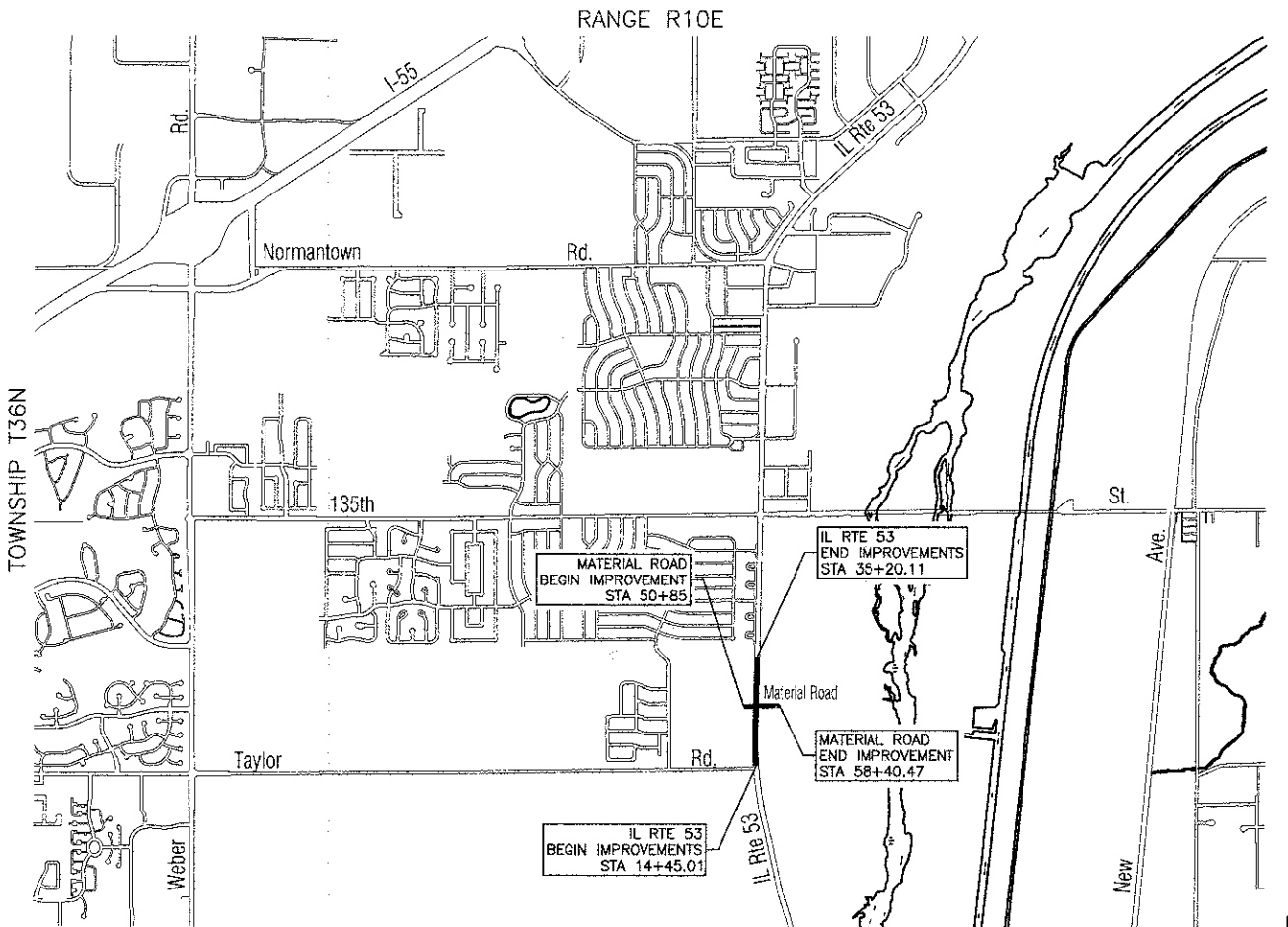
[Signature]
11-12-2012



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. 63753



LOCATION MAP

GROSS LENGTH=2,830.57 FEET=0.536 MILES
NET LENGTH=2,830.57 FEET=0.536 MILES

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

PROGRAM AND OFFICE ENGINEER: CHARLES F. RIDDLE, PE (847)705-4406 SCHAMBURG, IL
CONSULTANTS: ROBINSON ENGINEERING, LTD. 708-331-6700

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STATE STANDARDS

280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-07	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
542306-02	PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION
542311-04	GRATING FOR CONCRETE FLARED END SECTION (24" THRU 54" PIPE)
602401-03	MANHOLE, TYPE A
602406-05	MANHOLE TYPE A 6' DIAMETER
602701-02	MANHOLE STEPS
604001-03	FRAME AND LIDS, TYPE 1
606001-05	CONCRETE CURB TYPE B & COMBINATION CONCRETE CURB & GUTTER
606006-02	OUTLETS FOR CONCRETE CURB AND GUTTER TYPE B-6.24
664001-02	CHAIN LINK FENCE
701421-05	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS \geq 45 MPH TO 55 MPH
701426-05	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS, FOR SPEEDS \geq 45 MPH
701431-08	LANE CLOSURE, MULTILANE, UNDIV. WITH CROSSWALK, FOR SPEEDS \geq 45MPH TO 55 MPH
701701-08	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-05	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-02	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-03	SIGN PANEL ERECTION DETAILS
720011-01	METAL POST FOR SIGNS, MARKERS AND DELINEATORS
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS AND MARKERS)
814001-02	HANDHOLES
814006-02	DOUBLE HANDHOLES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
877001-05	STEEL MAST ARM ASSEMBLY AND POLE 16' THRU 55'
878001-09	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS

FILE NAME = 08361_02-INDX-01 - P01

USER NAME =	DESIGNED -- WPD	REVISIONS --
	CHECKED -- PB	REVISIONS --
PLOT SCALE = 1"=50'	DRAWN -- AG	REVISIONS --
PLOT DATE = 02-28-13	CHECKED -- PS	REVISIONS --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 53 AT MATERIAL ROAD

INDEX OF SHEETS & STATE STANDARDS

SCALE: SHEET NO. 2 OF 64 SHEETS STA. TO STA.

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	09-00055-00-CH	WILL	54	2
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63753	
FED. AID PROJECT M-9003(829)				

GENERAL NOTES

- 1 ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS OR SPECIAL PROVISIONS SHALL BE INTERPRETED TO BE THE LATEST STANDARDS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION.
- 2 ITEMS OF WORK LISTED IN THE SUMMARY OF QUANTITIES WHICH ARE NOT SPECIFICALLY INDICATED IN THE PLANS SHALL BE PERFORMED AT LOCATIONS AS DIRECTED BY THE ENGINEER.
- 3 DRAINAGE STRUCTURE ELEVATIONS: GRADES OF SEWER LINES WERE DETERMINED FROM AVAILABLE PLANS AND SURVEYS. ACCORDINGLY, AS DIRECTED BY THE ENGINEER, THE INVERTS OF THE PROPOSED DRAINAGE WILL BE REVISED TO MEET EXISTING FIELD CONDITIONS.
- 4 THE TOP OF ALL STRUCTURES SHALL BE FLUSH WITH THE ADJACENT SURFACE OR AT THE INDICATED ELEVATIONS SHOWN ON THE PLANS.
- 5 FRAME ELEVATIONS ARE GIVEN ONLY TO ASSIST IN DETERMINING THE APPROXIMATE OVERALL HEIGHT OF THE STRUCTURE. FRAMES ON ALL NEW STRUCTURES WILL BE ADJUSTED TO THE FINAL ELEVATION OF THE AREA IN WHICH THEY ARE LOCATED AS PART OF THE STRUCTURE COST.
- 6 WHEN, IN THE CONSTRUCTION OPERATION, ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DITCHES, GUTTERS OR OTHER DRAINAGE STRUCTURES SO THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH DAY BY THE CONTRACTOR AT HIS EXPENSE. AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES SHALL BE FREE FROM ALL DIRT AND DEBRIS. THIS WORK SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT.
- 7 WHEN EXISTING DRAINAGE FACILITIES ARE DISTURBED, THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY OUTLETS AND CONNECTIONS FOR ALL PRIVATE OR PUBLIC DRAINS, SEWERS OR CATCH BASINS. HE SHALL PROVIDE FACILITIES TO TAKE IN ALL STORM WATER WHICH WILL BE RECEIVED BY THESE DRAINS & SEWERS AND DISCHARGE SAME. HE SHALL PROVIDE AND MAINTAIN AN EFFICIENT PUMPING PLANT, IF NECESSARY, AND A TEMPORARY OUTLET, AND BE PREPARED AT ALL TIMES TO DISPOSE OF THE WATER RECEIVED FROM THESE TEMPORARY SEWER CONNECTIONS UNTIL SUCH TIME AS THE PERMANENT CONNECTIONS WITH SEWERS ARE BUILT AND IN SERVICE. THIS WORK SHALL NOT BE PAID FOR DIRECTLY, BUT WILL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT.
- 8 THE APPROXIMATE LOCATION OF KNOWN PUBLIC UTILITIES ARE SHOWN ON THE PLANS. HOWEVER, THE DEPARTMENT DOES NOT GUARANTEE ITS ACCURACY. PRIOR TO COMMENCING OPERATIONS ON THE PROJECT WHICH MAY IN ANY WAY CREATE THE POSSIBILITY OF INVOLVEMENT WITH EXISTING UTILITIES, THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANY INVOLVED. ADJUSTMENT OF ALL PUBLIC UTILITIES WITHIN THE LIMITS OF THIS IMPROVEMENT WILL BE DONE BY THE RESPECTIVE OWNERS. NO ADDITIONAL COMPENSATION WILL BE ALLOWED DUE TO DELAYS OR INCONVENIENCE CAUSED BY THESE ADJUSTMENTS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY LOCATIONS OF UNDERGROUND INSTALLATION BEFORE STARTING CONSTRUCTION OPERATIONS.
- 9 ALL TRENCHES PLACED IN STATE OR LOCAL RIGHT-OF-WAY SHALL BE BACKFILLED WITHIN 2 FEET OF PROPOSED PAVEMENT, DRIVEWAYS, AND SIDEWALKS WITH TRENCH BACKFILL ONLY ACCORDING TO SECTION 208 OF THE STANDARD SPECIFICATIONS.
- 10 ALL PAVEMENT STUBS SHALL BE ONE (1') FOOT UNLESS OTHERWISE NOTED.
- 11 BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOURS NOTIFICATION IS REQUIRED).
- 12 THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.
- 13 WHEN ARTIFICIAL LIGHTING IS UTILIZED IN NIGHT OPERATIONS THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.
- 14 ALL STORM SEWERS FOR THIS PROJECT SHALL BE FURNISHED AND INSTALLED WITH RUBBER GASKETS IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR STORM SEWERS AS SPECIFIED.
- 15 THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK. THE CONTRACTOR SHALL ALSO CONTACT ROBINSON ENGINEERING (708) 331-6700, THE VILLAGE OF ROMEOVILLE (815) 886-1870, AND HANSON SERVICE (815) 838-6200 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- 16 ALL HOT-MIX ASPHALT PAVING SHALL FOLLOW DESIGNATED DRIVING LANES AS SHOWN IN STRIPING DETAILS. NO LONGITUDINAL PAVING JOINT OR SEAMS ARE ALLOWED WITHIN THE DRIVING LANES. ALL LONGITUDINAL PAVING JOINTS OR SEAMS WILL BE BETWEEN THE DRIVING LANES.
- 17 AGGREGATE SUBGRADE IMPROVEMENT HAS BEEN PROVIDED FOR LOCATIONS WHERE SOILS TEND TO BE UNSTABLE WHEN WET. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH THIS MATERIAL WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER (BY USE OF A CONE PENETROMETER IN CONJUNCTION WITH THE IDOT SUBGRADE STABILITY MANUAL). IF UNSTABLE AND/OR UNSUITABLE MATERIALS ARE NOT ENCOUNTERED, THEN THE QUANTITY SHALL BE DEDUCTED AND NO ADDITIONAL COMPENSATION WILL BE DUE TO THE CONTRACTOR.
- 18 ALL PAVEMENT, CURB AND SIDEWALK REMOVALS SHALL BE MADE BY MEANS OF STRAIGHT SAW CUT JOINT. THE COST FOR SAW CUTTING SHALL BE INCIDENTAL TO THE CONTRACT.
- 19 CONTRACTOR SHALL BE RESPONSIBLE AT ALL TIMES FOR TRAFFIC CONTROL AND PROTECTION IN ACCORDANCE WITH THE IDOT STANDARD SPECIFICATIONS ADOPTED JANUARY 1, 2012, THE LATEST EDITION OF THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, AND THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS.
- 20 10' TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER TO EXISTING CURB AND GUTTER OR TO TAPER FROM 6" TO 0", UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEM OF WORK SPECIFIED.
- 21 ALL STORM SEWERS, UNLESS OTHERWISE NOTED, SHALL CONFORM TO THE STATE SPECIFICATIONS FOR REINFORCED CONCRETE CULVERT, STORM DRAIN AND SEWER PIPE A.A.S.H.T.O. DESIGNATION M170 (A.S.T.M. DESIGNATION C76), WITH A MINIMUM OF CLASS III.
- 22 IN COMPLIANCE WITH THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY (I.E.P.A.) FOR CONSTRUCTION PROJECT WHICH DISTURBS ONE ACRE OR MORE TOTAL LAND AREA, THE RESIDENT ENGINEER AND THE CONTRACTOR SHALL COOPERATIVELY DEVELOP A STORM WATER POLLUTION PREVENTION PLAN AS SPECIFIED IN THE SPECIAL PROVISION FOR NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) CONTAINED IN THE CONTRACT DOCUMENT.
- 23 TWO WEEKS PRIOR TO PLACING PERMANENT PAVEMENT MARKINGS, CONTACT CORY JUCIUS, ARTERIAL TRAFFIC OPERATIONS ENGINEER AT (847) 705-4411.
- 24 COMBINATION CURB AND GUTTER OF THE TYPE SPECIFIED SHALL BE CONSTRUCTED WITH A GUTTER THICKNESS MATCHING THE ADJACENT PAVEMENT SECTION UP TO A MAXIMUM THICKNESS OF TWELVE INCHES (12").
- 25 THE GENERAL CONTRACTOR IS REQUIRED TO HIRE AN ENVIRONMENTAL FIRM WITH AT LEAST FIVE (5) DOCUMENTED LEAKING UNDERGROUND STORAGE TANK CLEANUPS OR THAT IS PRE-QUALIFIED IN HAZARDOUS WASTE BY THE DEPARTMENT TO REMEDIATE THE SOIL CONTAMINATION AND MONITOR FOR WORKER PROTECTION.

FILE NAME = 09061_02-NOTE-01 - GND1	USER NAME =	DESIGNED -- WPD	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL RTE 53 AT MATERIAL ROAD			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		CHECKED -- PB	REVISED --		GENERAL NOTES			112	09-00055-00-CH	WILL	54	3	
	PLOT SCALE = 1"=50'	DRAWN -- AG	REVISED --		SCALE: 1"=50'			SHEET NO. 3 OF 54 SHEETS			CONTRACT NO. 63753		
	PLOT DATE = 02-28-13	CHECKED -- PS	REVISED --		STA. TO STA.			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(B29)					

SUMMARY OF QUANTITIES					CONSTRUCTION CODE			
S.I.	CODE NO.	PAY ITEM	UNIT	TOTAL QUAN.	STU FUNDS			
					0004	0021	0031	0042
	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	203			203	
	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	118			118	
	20200100	EARTH EXCAVATION	CU YD	7329	7329			
	20200200	ROCK EXCAVATION	CU YD	100	100			
	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	100	100			
	20800150	TRENCH BACKFILL	CU YD	380	380			
	21101815	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	10555	10555			
	21301048	EXPLORATION TRENCH 48" DEPTH	FOOT	500	500			
	21400100	GRADING AND SHAPING DITCHES	FOOT	20	20			
*	25000210	SEEDING, CLASS 2A	ACRE	2.25			2.25	
*	25000310	SEEDING, CLASS 4	ACRE	0.25			0.25	
*	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	196			196	
*	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	196			196	
*	25000800	POTASSIUM FERTILIZER NUTRIENT	POUND	196			196	
*	25100830	EROSION CONTROL BLANKET	SQ YD	10555	10555			
*	28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	200	200			
*	28000400	PERIMETER EROSION BARRIER	FOOT	4694	4694			
	28000500	INLET AND PIPE PROTECTION	EACH	5	5			
	28100101	STONE RIPRAP, CLASS A1	SQ YD	19	19			
	28100107	STONE RIPRAP, CLASS A4	SQ YD	19	19			
	28200200	FILTER FABRIC	SQ YD	19	19			
	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	100	100			
	30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	7255	7255			
	35501326	HOT-MIX ASPHALT BASE COURSE, 10 1/2"	SQ YD	3506	3506			

SUMMARY OF QUANTITIES					CONSTRUCTION CODE			
S.I.	CODE NO.	PAY ITEM	UNIT	TOTAL QUAN.	STU FUNDS			
					0004	0021	0031	0042
	35600718	HOT-MIX ASPHALT BASE COURSE WIDENING, 10 1/2"	SQ YD	530	530			
	40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	24560	24560			
	40600827	POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N60	TON	726	726			
	40600895	CONSTRUCTING TEST STRIP	EACH	2	2			
	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	258	258			
	40603595	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MX" F", N90	TON	1695	1695			
	40701861	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 9"	SQ YD	866	866			
	40701921	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 12"	SQ YD	1576	1576			
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	89		89		
	42400800	DETECTABLE WARNINGS	SQ FT	16		16		
	44000100	PAVEMENT REMOVAL	SQ YD	3466	3466			
	44000189	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	11338	11338			
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	568	568			
	44000600	SIDEWALK REMOVAL	SQ FT	89	89			
	44003100	MEDIAN REMOVAL	SQ FT	67	67			
	44201803	CLASS D PATCHES, TYPE II, 13 INCH	SQ YD	50	50			
	44201807	CLASS D PATCHES, TYPE III, 13 INCH	SQ YD	250	250			
	44201809	CLASS D PATCHES, TYPE IV, 13 INCH	SQ YD	100	100			
	48101600	AGGREGATE SHOULDERS, TYPE B 8"	SQ YD	1209	1209			
	48203037	HOT-MIX ASPHALT SHOULDERS, 10"	SQ YD	1918	1918			
	50105220	PIPE CULVERT REMOVAL	FOOT	61	61			
	50200400	ROCK EXCAVATION FOR STRUCTURES	CU YD	6	6			
	54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 16"	EACH	1	1			
	54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	1	1			

FILE NAME = 08981_02-QUAN-01 - IDOT P01

USER NAME =	DESIGNED -- WPD	REVISED -- 12-13-12 - SILT FENCE
	CHECKED -- PB	REVISED -- 01-15-13
PLOT SCALE =	DRAWN -- RG	REVISED --
PLOT DATE = 02-28-13	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION IMPROVEMENT
IL RTE 53 AT MATERIAL ROAD
SUMMARY OF QUANTITIES

SCALE: NONE SHEET NO. 4 OF 64 SHEETS STA. TO STA.

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	09-00055-00-CH	WILL	64	4
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(829)			CONTRACT NO. 63753	

SUMMARY OF QUANTITIES					CONSTRUCTION CODE			
S.I.	CODE NO.	PAY ITEM	UNIT	TOTAL QUAN.	STU FUNDS			
					0004	0021	0031	0042
	54214509	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 24"	EACH	3	3			
	550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	151	151			
	550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	92	92			
	550A4100	STORM SEWERS, CLASS A, TYPE 1 EQUIVALENT ROUND-SIZE 24"	FOOT	180	180			
	55100500	STORM SEWER REMOVAL 12"	FOOT	456	456			
	55100700	STORM SEWER REMOVAL 15"	FOOT	126	126			
	60107600	PIPE UNDERDRAINS 4"	FOOT	846	846			
	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1			
	60223800	MANHOLES, TYPE A, 6'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1			
	60500050	REMOVING CATCH BASINS	EACH	1	1			
	60600095	CLASS SI CONCRETE (OUTLET)	CU YD	4.5	4.5			
	60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	365	365			
	60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	565	565			
	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	9	9			
	67100100	MOBILIZATION	L SUM	1	1			
*	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	2650	2650			
*	66900450	SPECIAL WASTE PLANS AND REPORTS	L SUM	1	1			
*	66900530	SOIL DISPOSAL ANALYSIS	EACH	2	2			
*	70300100	SHORT-TERM PAVEMENT MARKING	FOOT	1500	1500			
*	70300510	PAVEMENT MARKING TAPE, TYPE III - LETTERS AND SYMBOLS	SQ FT	200	200			
*	70300520	PAVEMENT MARKING TAPE, TYPE III 4"	FOOT	21765	21765			
*	70300570	PAVEMENT MARKING TAPE, TYPE III 24"	FOOT	50	50			
*	70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	7854	7854			
*	72000100	SIGN PANEL - TYPE 1	SQ FT	47	47			

SUMMARY OF QUANTITIES					CONSTRUCTION CODE			
S.I.	CODE NO.	PAY ITEM	UNIT	TOTAL QUAN.	STU FUNDS			
					0004	0021	0031	0042
	72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	1		1		
	72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	3		3		
	72900100	METAL POST - TYPE A	FOOT	24		24		
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	400		400		
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	13252		13252		
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1534		1534		
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	219		219		
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	196		196		
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	236		236		
*	78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	104		104		
*	80500020	SERVICE INSTALLATION - POLE MOUNTED	EACH	1		1		
*	81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA	FOOT	1918		1918		
*	81028210	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA	FOOT	70		70		
*	81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA	FOOT	46		46		
*	81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA	FOOT	409		409		
*	81028740	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/2" DIA	FOOT	87		87		
*	81028770	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 3" DIA	FOOT	85		85		
*	81400100	HANDHOLE	EACH	3		3		
*	81400200	HEAVY-DUTY HANDHOLE	EACH	10		10		
*	81400300	DOUBLE HANDHOLE	EACH	2		2		
*	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2		2		
*	86400100	TRANSCIVER - FIBER OPTIC	EACH	1		1		
*	87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	4106		4106		
*	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	280		280		

FILE NAME = 08361_02-QUAN-01 - IDOT.P02

USER NAME =	DESIGNED -- WPD	REVISED -- 01-16-13
PLOT SCALE =	CHECKED -- PB	REVISED --
PLOT DATE = 02-26-13	DRAWN -- RG	REVISED --
	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION IMPROVEMENT
IL RTE 53 AT MATERIAL ROAD
SUMMARY OF QUANTITIES

SCALE: NONE SHEET NO. 5 OF 54 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	09-00055-00-CH	WILL	54	5
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63753	
FED. AID PROJECT M-9003(629)				

SUMMARY OF QUANTITIES					CONSTRUCTION CODE			
S.I.	CODE NO.	PAY ITEM	UNIT	TOTAL QUAN.	STU FUNDS			
					0004	0021	0031	0042
*	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1161		1161		
*	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1468		1468		
*	87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1655		1655		
*	87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	65		65		
*	87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1000		1000		
*	87602500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4		4		
*	87700220	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	2		2		
*	87700240	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	2		2		
*	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	16		16		
*	87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4		4		
*	87800200	CONCRETE FOUNDATION, TYPE D	FOOT	4		4		
*	87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	48		48		
*	87900205	DRILL EXISTING HEAVY DUTY HANDHOLE	EACH	2		2		
*	88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6		6		
*	88030100	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4		4		
*	88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4		4		
*	88200210	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	10		10		
*	88500100	INDUCTIVE LOOP DETECTOR	EACH	8		8		
*	88600100	DETECTOR LOOP, TYPE I	FOOT	862		862		
*	88600400	DETECTOR LOOP, SPECIAL	FOOT	440		440		
*	88700200	LIGHT DETECTOR	EACH	2		2		
*	88700300	LIGHT DETECTOR AMPLIFIER	EACH	1		1		
*	89502380	REMOVE EXISTING HANDHOLE	EACH	3		3		
*	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	1		1		

SUMMARY OF QUANTITIES					CONSTRUCTION CODE			
S.I.	CODE NO.	PAY ITEM	UNIT	TOTAL QUAN.	STU FUNDS			
					0004	0021	0031	0042
*	Z0030850	TEMPORARY INFORMATION SIGNING	50 FT	52		52		
*	Z0033046	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1		1		
	Z0076600	TRAINEES	HOURL	500				500
	Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOURL	500				500
*	X0301242	PIEZO AXLE SENSOR, CLASS II	FOOT	44		44		
	X0323256	REMOVE AND RELOCATE FLAGPOLE	EACH	1	1			
	X0326657	RELOCATE SIGN, SPECIAL	EACH	1	1			
*	X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	270		270		
*	X0327116	SOLAR POWER ASSEMBLY	EACH	1		1		
	X0327458	MANHOLE REMOVAL	EACH	1	1			
	X8640300	CHAIN LINK FENCE REMOVAL	FOOT	469	469			
	X8640560	CHAIN LINK FENCE, 6" (SPECIAL)	FOOT	275	275			
*	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1			
*	X8570225	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1		1		
*	X8620200	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1		1		
*	X8630103	CONTROLLER CABINET TYPE III, SPECIAL	EACH	1		1		
*	X8710024	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	4106		4106		
*	X8730810	ELECTRIC CABLE IN CONDUIT, CONOGA-30003	FOOT	403		403		
*	X001368	PULL EXISTING CABLE FROM UNIT DUCT	FOOT	3979		3979		

FILE NAME = 08361_02-QUAN-01 -IDOT P03

USER NAME =
 DESIGNED -- WPD
 CHECKED -- PB
 PLOT SCALE =
 DRAWN -- RG
 PLOT DATE = 02-28-13
 CHECKED -- AG

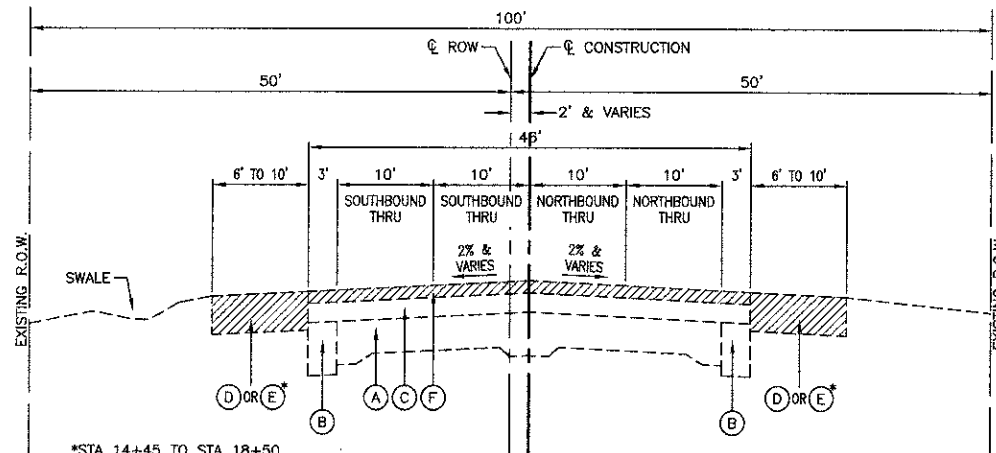
REVISED -- 01-15-13
 REVISED --
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 REVISED --

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

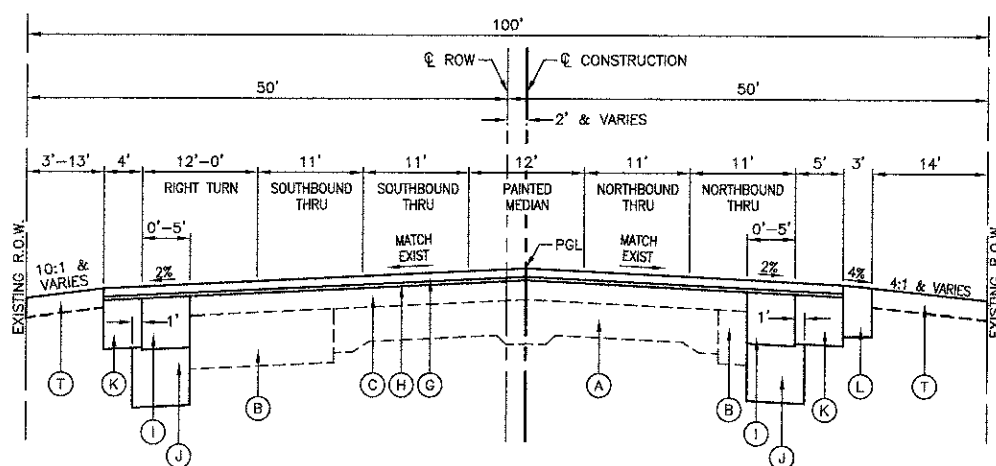
INTERSECTION IMPROVEMENT
 IL RTE 53 AT MATERIAL ROAD
 SUMMARY OF QUANTITIES

SCALE: NONE SHEET NO. 6 OF 54 SHEETS STA. TO STA.

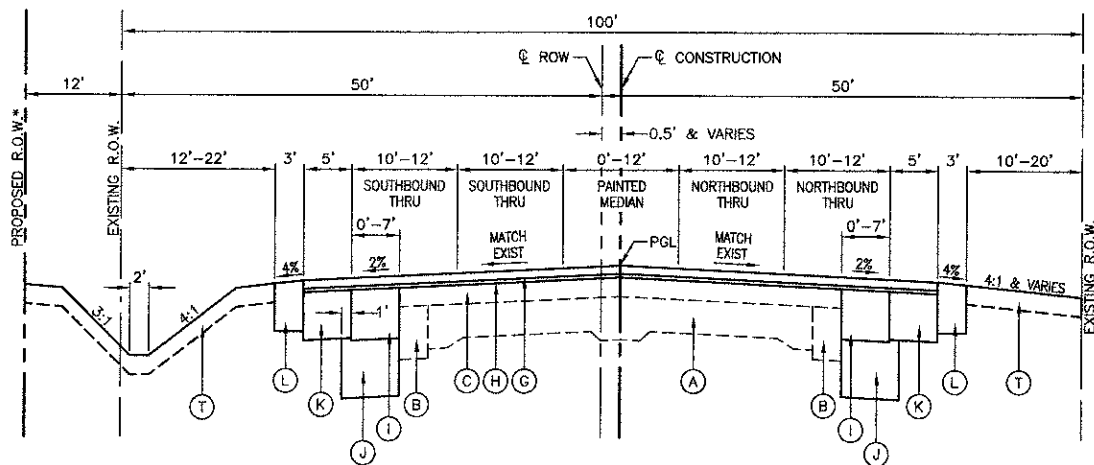
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	09-00055-00-CH	WILL	54	8
CONTRACT NO. 63753				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(829)				



EXISTING TYPICAL SECTION
STA 14+45.81 TO STA 35+20.11, IL RTE 53



PROPOSED TYPICAL SECTION
STA 14+45.01 TO STA 18+00, IL RTE 53



PROPOSED TYPICAL SECTION
STA 18+00 TO STA 21+35, IL RTE 53
STA 31+20 TO STA 35+20.11, IL RTE 53

NOTE: THE CONTRACTOR SHALL MILL BEFORE PATCHING

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS @ N _{dgs}
PAVEMENT AND PAVEMENT WIDENING - IL RTE 53	
POLYMERIZED HMA SURFACE COURSE, MIX "F", N90 (IL-9.5mm); 1-3/4"	4% @ 90 Gyr.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50; 3/4"	4% @ 90 Gyr.
HMA BASE COURSE (HMA BINDER IL-19 mm); 10-1/2" (3 Lifts) min	4% @ 90 Gyr.
PAVEMENT RESURFACING - IL RTE 53	
POLYMERIZED HMA SURFACE COURSE, MIX "F", N90 (IL-9.5mm); 1-3/4"	4% @ 90 Gyr.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50; 3/4"	4% @ 90 Gyr.
SHOULDER - IL RTE 53	
POLYMERIZED HMA SURFACE COURSE, MIX "F", N90 (IL-9.5mm); 1-3/4"	4% @ 90 Gyr.
POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50; 3/4"	4% @ 90 Gyr.
HMA SHOULDER (HMA BINDER IL-19 mm); 10" (3 Lifts) min	4% @ 50 Gyr.
PATCHING - IL RTE 53	
CLASS D PATCHES (HMA BINDER IL-19.0 mm); 13"	4% @ 70 Gyr.
FULL DEPTH PAVEMENT - MATERIAL ROAD (WEST LEG)	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL-9.5mm); 2"	4% @ 50 Gyr.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 7" (2 Lifts) min	4% @ 50 Gyr.
FULL DEPTH PAVEMENT - MATERIAL ROAD (EAST LEG)	
POLYMERIZED HMA SURFACE COURSE, MIX "F", N90 (IL-9.5mm); 2"	4% @ 90 Gyr.
POLYMERIZED HMA BINDER COURSE, IL-19.0, N90; TOP 2-1/4"	4% @ 90 Gyr.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90; 7-3/4" (2 Lifts) min	4% @ 90 Gyr.
TEMPORARY PAVEMENT	
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL-9.5mm); 2"	4% @ 50 Gyr.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50; 10" (3 Lifts) min	4% @ 50 Gyr.

THE UNIT WEIGHT USED TO CALCULATE ALL HMA SURFACE MIXTURE QUANTITIES IS 112 LBS/SY/IN. THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR USE OF RECYCLED MATERIALS SEE SPECIAL PROVISIONS.

- LEGEND**
- (A) EXISTING P.C.C. PAVEMENT - 9"-7"-9"
 - (B) EXISTING HMA BASE COURSE - ±11"
 - (C) EXISTING HMA RESURFACING - ±6.5"
 - (D) EXISTING AGGREGATE SHOULDER - ±8"
 - (E) EXISTING HMA SHOULDER - 8"
 - (F) PROPOSED HMA SURFACE REMOVAL - 2½"
 - (G) PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "F", N90 - 1¾"
 - (H) PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD) IL-4.75, N50 - ¾"
 - (I) PROPOSED HMA BASE COURSE (HMA BINDER IL-19mm), N90 - 10½"
 - (J) PROPOSED AGGREGATE SUBGRADE - 12"
 - (K) PROPOSED HMA SHOULDER (HMA BINDER IL-19mm), N50 - 10"
 - (L) PROPOSED AGGREGATE SHOULDER, TYPE B - 8"
 - (M) PROPOSED COMB. CONCRETE CURB AND GUTTER, TYPE 6-6.24
 - (N) PROPOSED COMB. CONCRETE CURB AND GUTTER, TYPE 6-6.18
 - (O) PROPOSED HMA SURFACE COURSE, MIX "D", N50 - 2"
 - (P) PROPOSED HMA BINDER COURSE, IL-19.0, N50 - 7"
 - (Q) PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "F", N90 - 2"
 - (R) PROPOSED POLYMERIZED HMA BINDER COURSE, IL-19.0, N90 - 2½"
 - (S) PROPOSED HMA BINDER COURSE, IL-19.0, N90 - 7¾"
 - (T) TOPSOIL - 4", SEEDING, CLASS 2A
- ▨ ITEM TO BE REMOVED

EARTHWORK QUANTITIES

TOTAL CUT	=	7329 CY
TOTAL TOPSOIL (ESTIMATED)	=	1520 CY
TOTAL AVAILABLE CUT TO FILL	=	5809 CY
TOTAL FILL	=	718 CY
CUT TO FILL (15% SHRINKAGE)	=	826 CY

FILE NAME = 09081_02-TYPX01 - P01

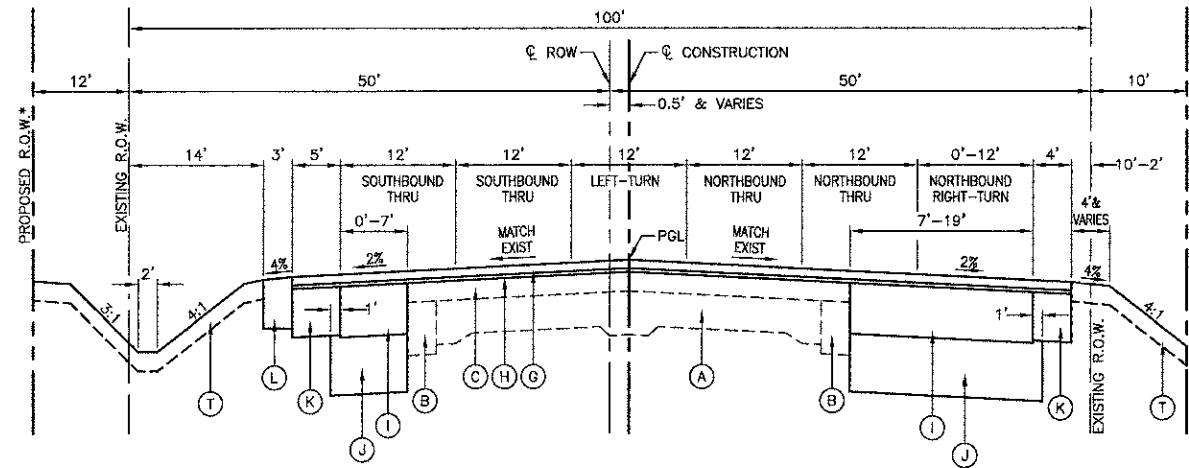
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PLOT SCALE =	CHECKED - PB	REVISED -
PLOT DATE = 02-28-13	DRAWN - AG	REVISED -
	CHECKED - PS	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

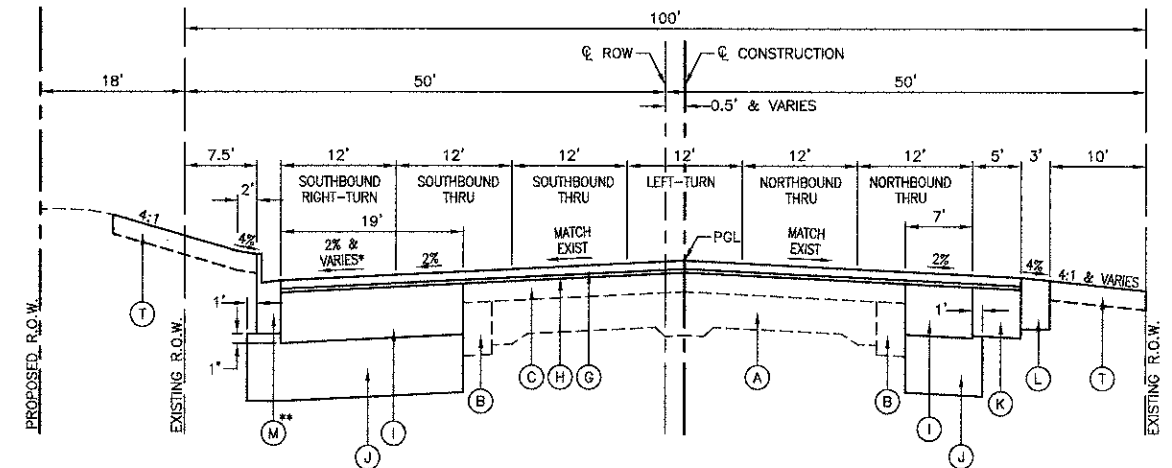
INTERSECTION IMPROVEMENT
IL RTE 53 AT MATERIAL ROAD
TYPICAL SECTIONS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	09-0055-00-CH	WILL	54	7
CONTRACT NO. 63753				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-8003(829)				

SCALE: SHEET NO. 7 OF 54 SHEETS STA. TO STA.

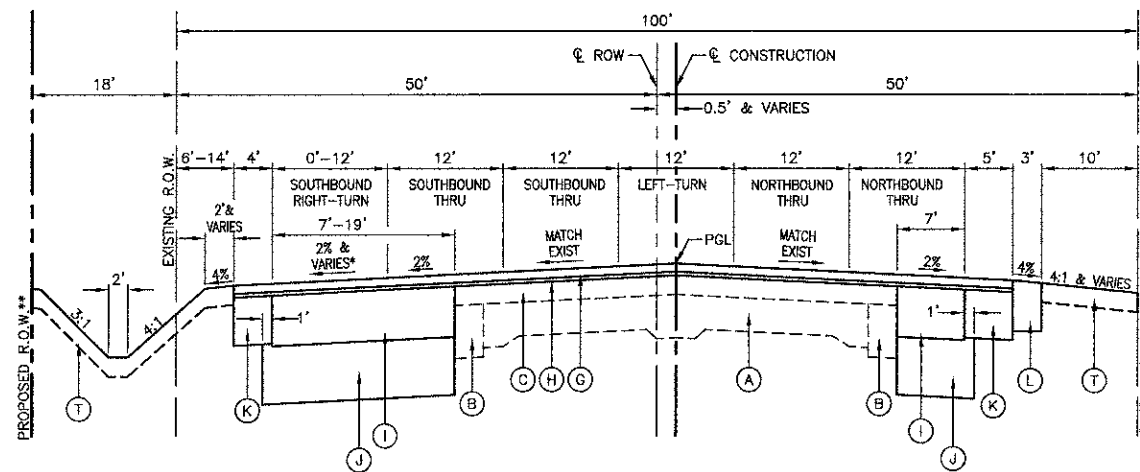


PROPOSED TYPICAL SECTION
STA 21+35 TO STA 25+55, IL RTE 53



PROPOSED TYPICAL SECTION
STA 26+93 TO STA 28+10, IL RTE 53

- * SEE PLAN AND PROFILE SHEETS AND CROSS SECTIONS FOR CROSS SLOPE OF THE RIGHT-TURN LANE.
- ** THE PROPOSED TYPE B-6.24 CURB AND GUTTER SHALL BE 12" THICK AT THE EDGE OF PAVEMENT.
- *** THE ADDITIONAL 1" OF AGGREGATE SUBGRADE UNDER THE PROPOSED CURB AND GUTTER SHALL BE CONSIDERED INCLUDED IN THE SQUARE YARD COST OF AGGREGATE SUBGRADE PAVEMENT, 12"



- * SEE PLAN AND PROFILE SHEETS AND CROSS SECTIONS FOR CROSS SLOPE OF THE RIGHT-TURN LANE.
- ** STA 28+10 TO STA 30+50

PROPOSED TYPICAL SECTION
STA 28+10 TO STA 31+20, IL RTE 53

LEGEND

- (A) EXISTING P.C.C. PAVEMENT - 9"-7"-9"
- (B) EXISTING HMA BASE COURSE - ±11"
- (C) EXISTING HMA RESURFACING - ±6.5"
- (D) EXISTING AGGREGATE SHOULDER - ±8"
- (E) EXISTING HMA SHOULDER - 8"
- (F) PROPOSED HMA SURFACE REMOVAL - 2½"
- (G) PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "F", N90 - 1¾"
- (H) PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD) IL-4.75, N50 - ¾"
- (I) PROPOSED HMA BASE COURSE (HMA BINDER IL-19mm), N90 - 10½"
- (J) PROPOSED AGGREGATE SUBGRADE - 12"
- (K) PROPOSED HMA SHOULDER (HMA BINDER IL-19mm), N50 - 10"
- (L) PROPOSED AGGREGATE SHOULDER, TYPE B - 8"
- (M) PROPOSED COMB. CONCRETE CURB AND GUTTER, TYPE 6-6.24
- (N) PROPOSED COMB. CONCRETE CURB AND GUTTER, TYPE 6-6.18
- (O) PROPOSED HMA SURFACE COURSE, MIX "D", N50 - 2"
- (P) PROPOSED HMA BINDER COURSE, IL-19.0, N50 - 7"
- (Q) PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "F", N90 - 2"
- (R) PROPOSED POLYMERIZED HMA BINDER COURSE, IL-19.0, N90 - 2½"
- (S) PROPOSED HMA BINDER COURSE, IL-19.0, N90 - 7¾"
- (T) TOPSOIL - 4", SEEDING, CLASS 2A
- ▨ ITEM TO BE REMOVED

FILE NAME = 08361_02-TYPX-01 - P02

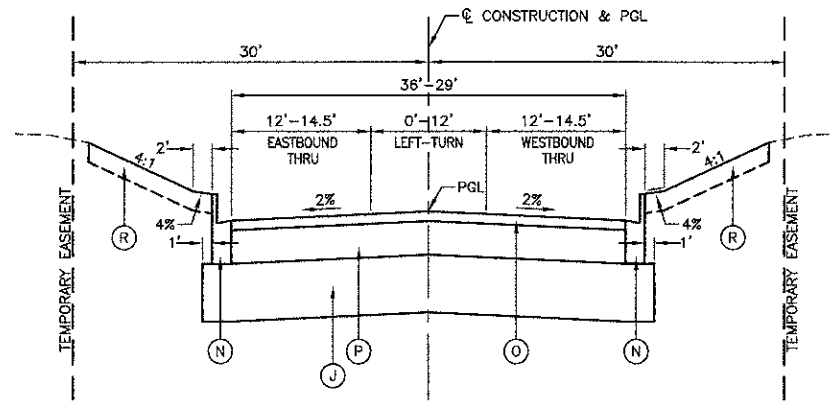
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	CHECKED - PB	REVISED -
PLOT SCALE =	DRAWN - ACAD	REVISED -
PLOT DATE = 02-28-13	CHECKED - ACAD	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION IMPROVEMENT
IL RTE 53 AT MATERIAL ROAD
TYPICAL SECTIONS

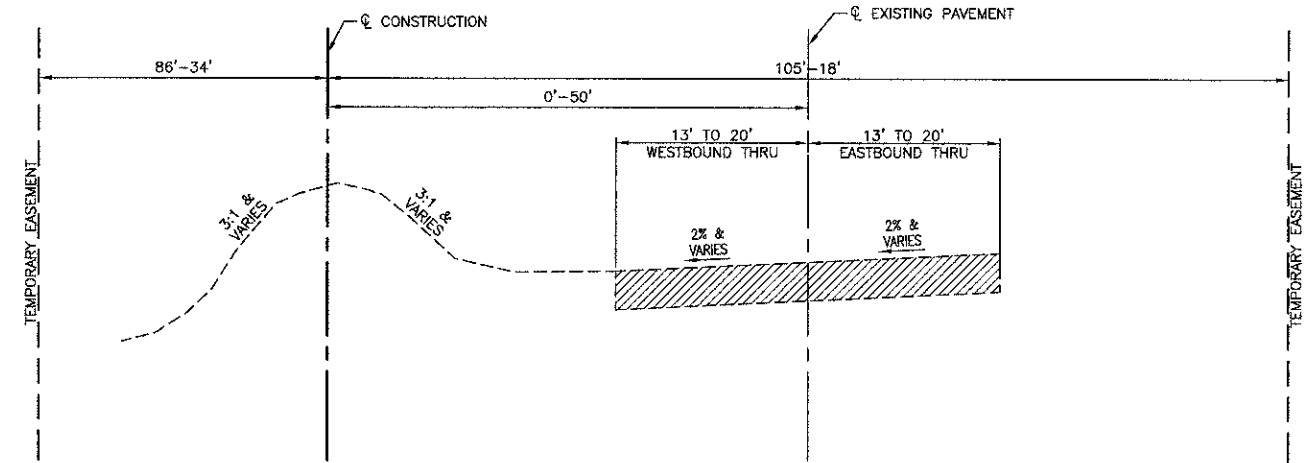
SCALE: SHEET NO. 8 OF 54 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	09-00055-00-CH	WILL	54	8
CONTRACT NO. 63753				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(B29)				

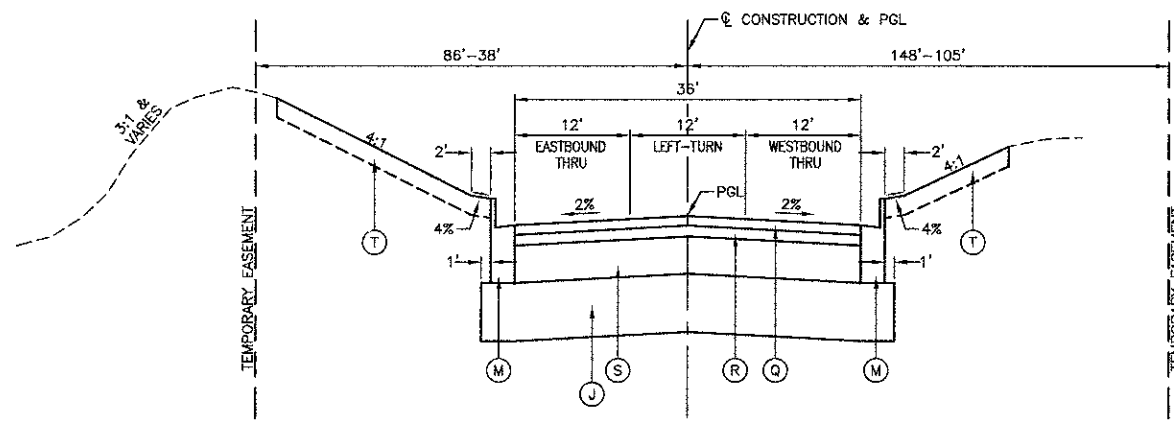


PROPOSED TYPICAL SECTION
STA 50+85 TO STA 52+77, MATERIAL ROAD (WEST LEG)

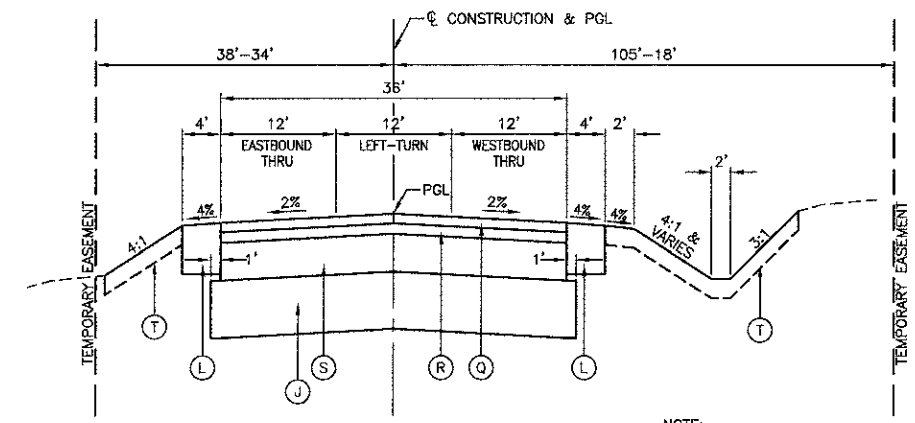
NOTE:
1. WEST LEG WILL BE WITHIN VALLEY VIEW PUBLIC HIGH SCHOOL DISTRICT PROPERTY AND WILL NOT REQUIRE ROADWAY ROW. PROPOSED ROADWAY WILL BE CONSTRUCTED THRU FIELD.



EXISTING TYPICAL SECTION
STA 54+33 TO STA 58+40.47, MATERIAL ROAD



PROPOSED TYPICAL SECTION
STA 54+33 TO STA 55+25, MATERIAL ROAD (EAST LEG)



PROPOSED TYPICAL SECTION
STA 55+25 TO STA 58+40.47, MATERIAL ROAD (EAST LEG)

NOTE:
1. EAST LEG WILL BE WITHIN HANSON MATERIAL PROPERTY AND WILL NOT REQUIRE ROADWAY ROW.

LEGEND

- (A) EXISTING P.C.C. PAVEMENT - 9"-7"-9"
- (B) EXISTING HMA BASE COURSE - ±11"
- (C) EXISTING HMA RESURFACING - ±6.5"
- (D) EXISTING AGGREGATE SHOULDER - ±8"
- (E) EXISTING HMA SHOULDER - 8"
- (F) PROPOSED HMA SURFACE REMOVAL - 2½"
- (G) PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "F", N90 - 1¾"
- (H) PROPOSED POLYMERIZED LEVELING BINDER (MACHINE METHOD) IL-4.75, N50 - ¾"
- (I) PROPOSED HMA BASE COURSE (HMA BINDER IL-19mm), N90 - 10½"
- (J) PROPOSED AGGREGATE SUBGRADE - 12"
- (K) PROPOSED HMA SHOULDER (HMA BINDER IL-19mm), N50 - 10"
- (L) PROPOSED AGGREGATE SHOULDER, TYPE B - 8"
- (M) PROPOSED COMB. CONCRETE CURB AND GUTTER, TYPE 6-6.24
- (N) PROPOSED COMB. CONCRETE CURB AND GUTTER, TYPE 6-6.18
- (O) PROPOSED HMA SURFACE COURSE, MIX "D", N50 - 2"
- (P) PROPOSED HMA BINDER COURSE, IL-19.0, N50 - 7"
- (Q) PROPOSED POLYMERIZED HMA SURFACE COURSE, MIX "F", N90 - 2"
- (R) PROPOSED POLYMERIZED HMA BINDER COURSE, IL-19.0, N90 - 2¾"
- (S) PROPOSED HMA BINDER COURSE, IL-19.0, N90 - 7¾"
- (T) TOPSOIL - 4", SEEDING, CLASS 2A
- ▨ ITEM TO BE REMOVED

FILE NAME = 08361_02-TYPK01 - P03

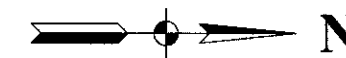
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PLOT SCALE =	CHECKED -- PB	REVISED --
PLOT DATE = 02-28-18	DRAWN -- RG	REVISED --
	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION IMPROVEMENT
IL RTE 53 AT MATERIAL ROAD
TYPICAL SECTIONS

SCALE:	SHEET NO. 9 OF 54 SHEETS	STA. TO STA.	F.A.P. RTE. 112	SECTION 09-00055-00-CH	COUNTY WILL	TOTAL SHEETS 54	SHEET NO. 9
			FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT M-9003(B29)		

F.A.P. RTE. 112	SECTION 09-00055-00-CH	COUNTY WILL	TOTAL SHEETS 54	SHEET NO. 9
			CONTRACT NO. 63753	



LEGEND

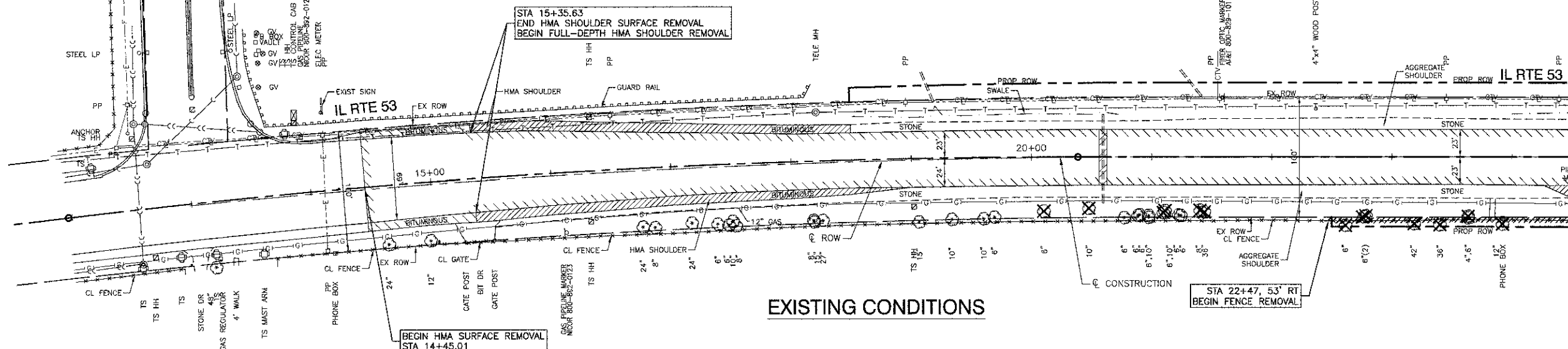
- CURB AND GUTTER REMOVAL
- PAVEMENT REMOVAL
- HMA SURFACE REMOVAL-2 1/2"
- CONCRETE SIDEWALK REMOVAL
- CLASS "D" PATCHES-13"
- TREE REMOVAL
- IL RTE 53 PAVEMENT WIDENING (SEE TYPICAL CROSS SECTIONS)
- HMA SHOULDER (SEE TYPICAL CROSS SECTION)
- AGGREGATE SHOULDER, TYPE B-8"
- COMB CONC CURB & GUTTER, TYPE B-6.24
- COMB CONC CURB & GUTTER, TYPE B-6.18
- OUTLET FOR COMB CONC CURB & GUTTER, TYPE B-6.24
- 10' TRANSITION FROM CURB & GUTTER TYPE B-6.24 TO CURB & GUTTER TYPE B-6.18
- 10' TRANSITION FROM CURB & GUTTER TYPE B-6.24 TO EXISTING TYPE CURB & GUTTER
- P.C.C. SIDEWALK-5"

NOTES

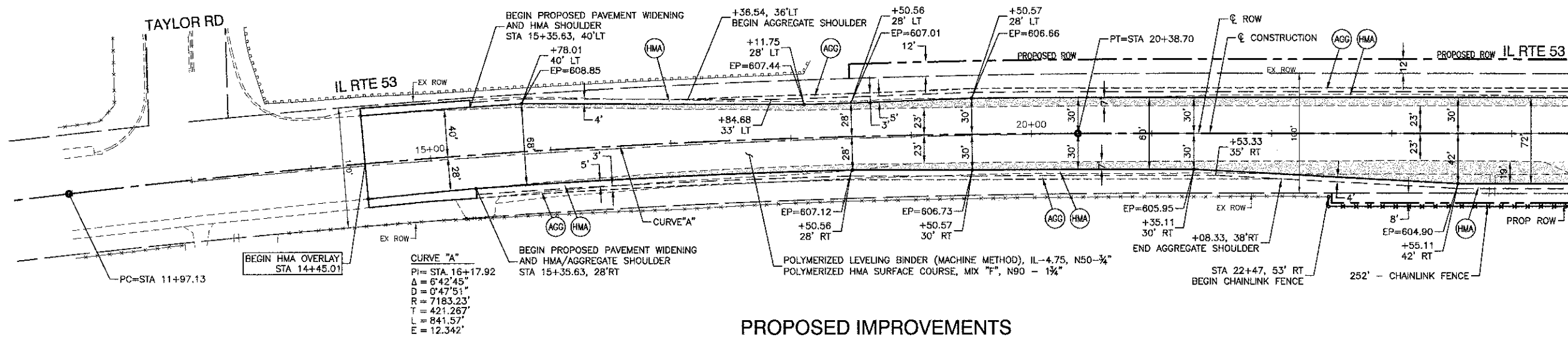
1. THE CONTRACTOR SHALL MILL FIRST PRIOR TO PATCHING.
2. ADDITIONAL QUANTITIES OF PAVEMENT PATCHING HAVE BEEN ADDED TO THE CONTRACT ON AN AS-NEEDED BASIS FOR IL RTE 53. LOCATIONS TO BE DETERMINED IN THE FIELD BY THE ENGINEER.
3. THE GENERAL CONTRACTOR IS REQUIRED TO HIRE AN ENVIRONMENTAL FIRM WITH AT LEAST FIVE (5) DOCUMENTED LEAKING UNDERGROUND STORAGE TANK CLEANUPS OR THAT IS PRE-QUALIFIED IN HAZARDOUS WASTE BY THE DEPARTMENT TO REMEDIATE THE SOIL CONTAMINATION AND MONITOR FOR WORKER PROTECTION.

BENCH MARK:

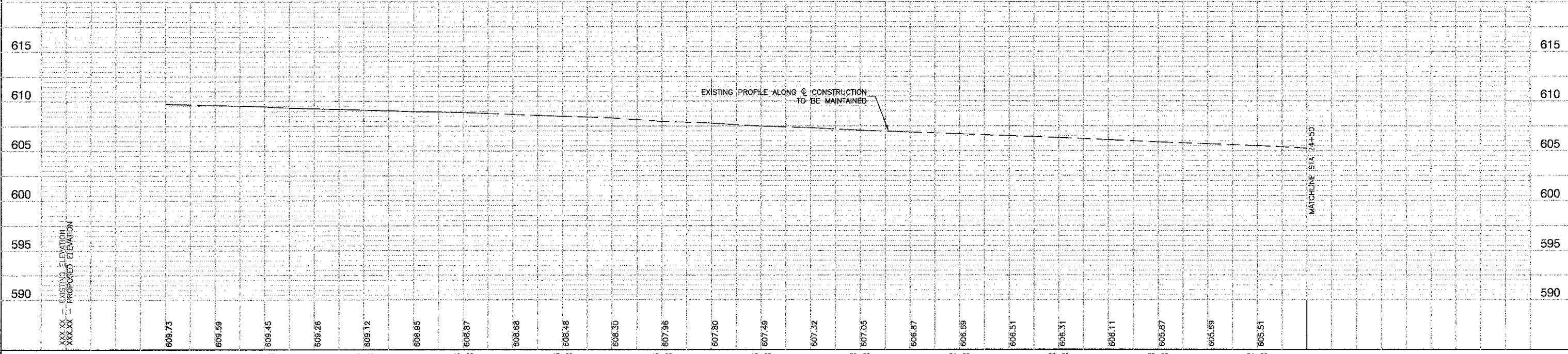
2 NAILS IN EAST FACE OF 9TH POWER POLE NORTH OF TAYLOR ROAD, ON WEST SIDE OF ROUTE 53. ELEVATION=605.76



EXISTING CONDITIONS



PROPOSED IMPROVEMENTS



DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	
DATE	
BY	
PLANNING	
DESIGN	
CHECKED	
DATE	
BY	

DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	
DATE	
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PROFILE	
DESIGN	
CHECKED	
DATE	
BY	

FILE NAME = 08361_02-PLPR-01 - PLR01	USER NAME =	DESIGNED = WPD	REVISIONS =	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL RTE 53 AT MATERIAL ROAD BEGIN IMPROVEMENTS TO STA 24+50 PLAN AND PROFILE				F.A.P. RITE = 112	SECTION = 08-00055-00-CH	COUNTY = WILL	TOTAL SHEETS = 54	SHEET NO. = 10
	PLOT SCALE = 1"=50'	DRAWN = AG	REVISIONS =		SCALE: H 1"=50' V 1"=5'				SHEET NO. 10	OF 54 SHEETS	STA. TO STA.	CONTRACT NO. 63753	
	PLOT DATE = 02-28-13	CHECKED = PS	REVISIONS =		FED. ROAD DIST. NO. 1				ILLINOIS	FED. AID PROJECT	M-9003(829)		
					CONTRACT NO. 63753								

SUGGESTED STAGING

STAGE 1 CONSTRUCTION

- MILL IL RTE 53 BETWEEN THE LIMITS SHOWN ON THE PLAN & PROFILE SHEETS.
- CONSTRUCT THE EAST HALF OF THE PROPOSED CROSSROAD CULVERTS AT STATION 20+60 AND STATION 27+00.
- PROVIDE A CLASS D PATCH LEVEL WITH THE MILLED SURFACE THROUGH THE TWO EAST LANES.
- EXCAVATE AND CONSTRUCT THE HMA WIDENING UP TO THE MILLED SURFACE ALONG THE EAST SIDE OF IL RTE 53.
- EXCAVATE AND CONSTRUCT THE FULL-DEPTH HMA PAVEMENT FOR THE EAST LEG OF THE INTERSECTION (MATERIAL ROAD).

STAGE 1 TRAFFIC CONTROL

- MAINTAIN 1- 10' NORTHBOUND AND 1- 10' SOUTHBOUND LANE ON THE WEST HALF OF EXISTING PAVEMENT AS SHOWN ON THE SUGGESTED CONSTRUCTION STAGING PLAN; UTILIZING HIGHWAY STANDARD 701431-08.
- THE EAST LEG OF THE INTERSECTION (MATERIAL ROAD) SHALL BE CONSTRUCTED DURING WEEK NIGHTS OR WEEKENDS ONLY. THE ROADWAY SHALL REMAIN OPEN TO 2-WAY TRAFFIC DURING ALL WEEKDAYS WHEN HANSON CORPORATION IS OPERATIONAL.
- MATERIAL ROAD SHALL BE CLOSED TO TRAFFIC FOR CONSTRUCTION ONLY BETWEEN THE HOURS OF 5:00 P.M. TO 4:00 A.M. MONDAY THRU FRIDAY OR ON WEEKENDS BETWEEN 5:00 P.M. FRIDAY AND 4:00 A.M. MONDAY.
- HANSON CORPORATION SHALL BE NOTIFIED 72 HOURS PRIOR TO ANY CONSTRUCTION ALONG MATERIAL ROAD AT (815) 838-6200.
- HANSON CORPORATION DELIVERIES/TRAFFIC SHALL BE DETOURED TO THE SOUTH ENTRANCE DURING SATURDAY CONSTRUCTION. DETOURS WILL BE COORDINATED BY HANSON CORPORATION.

STAGE 2 CONSTRUCTION

- CONSTRUCT THE WEST HALF OF THE PROPOSED CROSSROAD CULVERTS AT STATION 20+60 AND STATION 27+00.
- PROVIDE A CLASS D PATCH LEVEL WITH THE MILLED SURFACE THROUGH THE TWO WEST LANES.
- EXCAVATE AND CONSTRUCT THE PROPOSED DITCHES AND DRAINAGE IMPROVEMENTS ALONG THE WEST SIDE OF IL RTE 53 AS SHOWN ON THE PLANS.
- CONSTRUCT THE HMA WIDENING UP TO THE MILLED SURFACE ALONG THE WEST SIDE OF IL RTE 53 AS SHOWN ON THE PLANS.
- CONSTRUCT THE FULL-DEPTH HMA PAVEMENT FOR THE WEST LEG OF THE INTERSECTION.

STAGE 2 TRAFFIC CONTROL

- MAINTAIN 1- 12' NORTHBOUND AND 1- 12' SOUTHBOUND LANE ON THE EAST HALF OF WIDENED PAVEMENT AS SHOWN ON THE SUGGESTED CONSTRUCTION STAGING PLAN; UTILIZING HIGHWAY STANDARD 701431-08.
- THE WEST LEG OF THE INTERSECTION CONNECTING TO THE HIGH SCHOOL PARKING LOT SHALL REMAIN CLOSED UNTIL THE TRAFFIC SIGNALS AT IL RTE 53 ARE FULLY FUNCTIONAL. THE CONTRACTOR SHALL PROVIDE SIDEWALK CLOSURES AT THE HIGH SCHOOL PARKING LOT ACCORDING TO HIGHWAY STANDARD 701801-05.

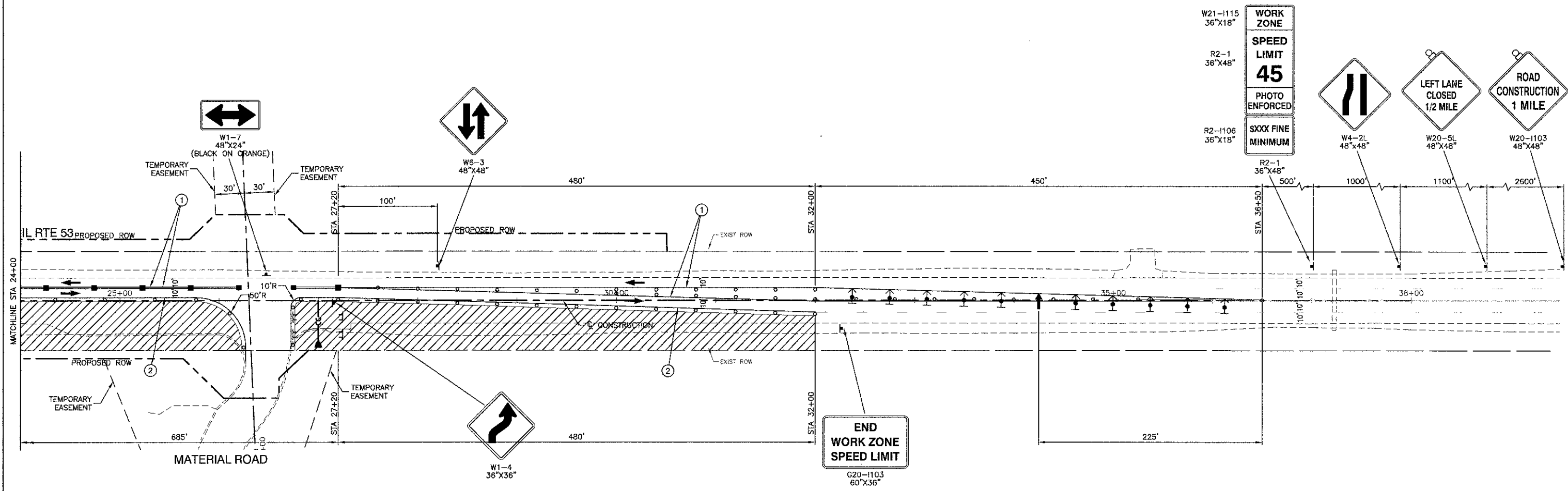
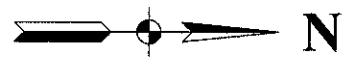
STAGE 3 CONSTRUCTION

- PERFORM FINAL GRADING OPERATIONS AND RESTORATION.
- PLACE PROPOSED HMA LEVELING BINDER AND FINAL HMA SURFACE COURSE ALONG IL RTE 53.
- INSTALL PERMANENT TRAFFIC SIGNALS.
- PLACE FINAL PAVEMENT MARKINGS.
- POST FINAL SIGNING.

STAGE 3 TRAFFIC CONTROL

- THE WORK TO BE PERFORMED IN STAGE 3 WILL BE COMPLETED USING HIGHWAY STANDARDS 701421-05, 701426-05 AND 701701-08.

FILE NAME = 08361_02-TOON-NOTE-01 - IDOT P01	USER NAME =	DESIGNED = WPD	REVISED = 12-12-12 - IDOT	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERSECTION IMPROVEMENT IL RTE 53 AT MATERIAL ROAD SUGGESTED CONSTRUCTION STAGING GENERAL NOTES			F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	DRAWN = RG	REVISED =					112	09-00055-00-CH	WILL	54	13
	PLOT DATE = 02-28-13	CHECKED = AG	REVISED =					CONTRACT NO. 63753				
								SCALE: NONE	SHEET NO. 13 OF 54 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1



LEGEND

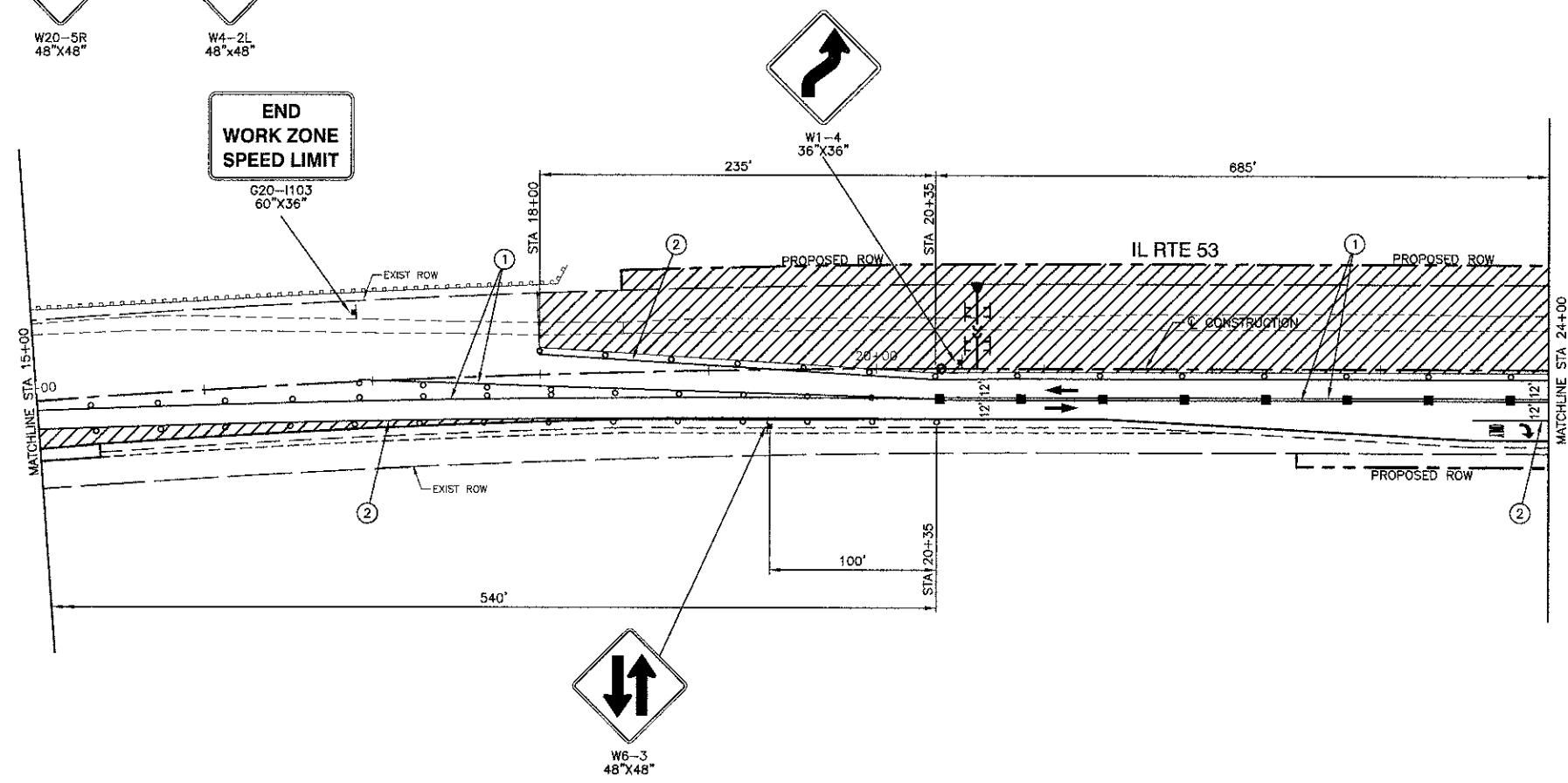
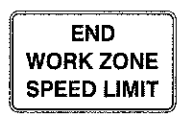
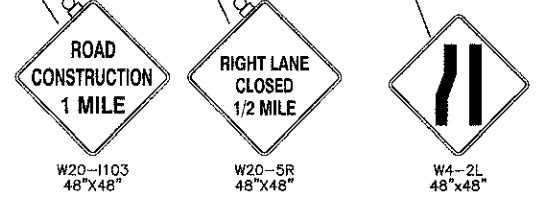
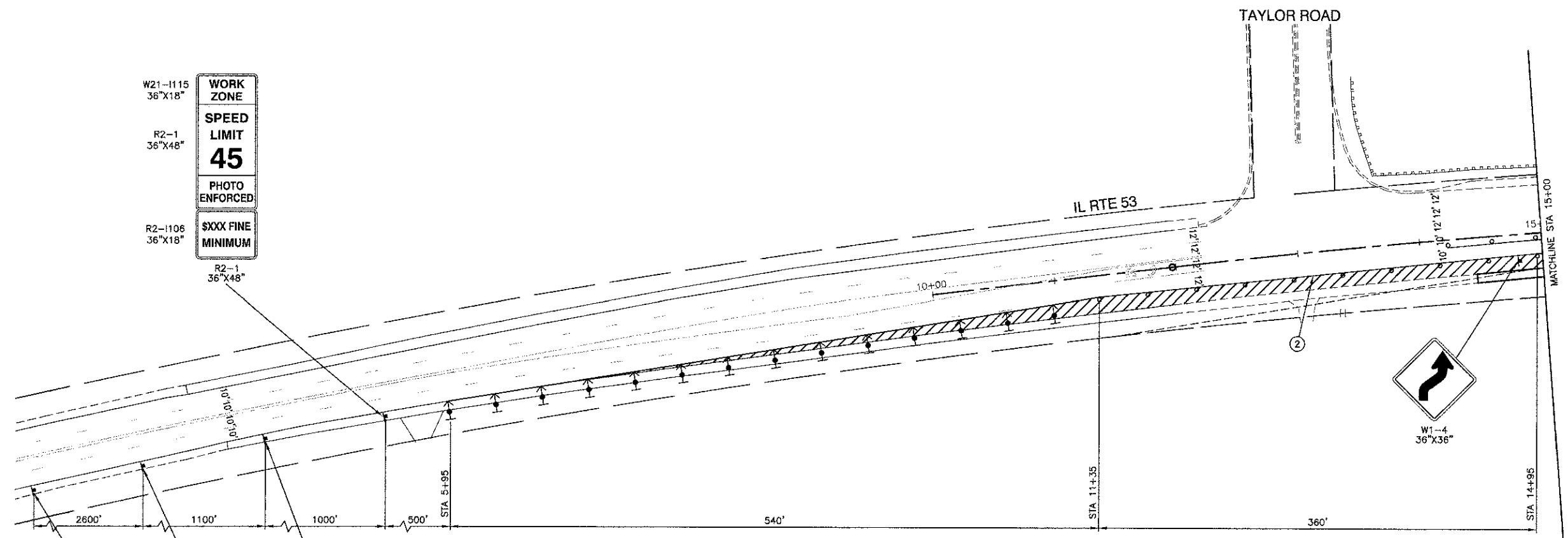
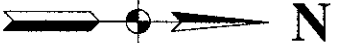
- ① 4" YELLOW REFLECTORIZED PAVEMENT MARKING TAPE, TYPE III
- ② 4" WHITE REFLECTORIZED PAVEMENT MARKING TAPE, TYPE III
- ▨ WORK AREA
- TYPE II BARRICADE OR DRUM WITH STEADY BI-DIRECTIONAL BURNING LIGHT (50' C-C)
- ⊥ TYPE III BARRICADE WITH STEADY BURNING LIGHT
- ⊥ SIGN
- ↑ DIRECTION INDICATOR BARRICADE WITH STEADY BURNING LIGHT (50' C-C)
- ↑ ARROW BOARD
- FLEXIBLE DELINEATOR
- FLAGGER WITH TRAFFIC CONTROL SIGN

FILE NAME = 09301_02-TOON-01 - IDOT P01B	USER NAME =	DESIGNED -- WPD	REVISED -- 12-12-12 - IDOT
		CHECKED -- PB	REVISED -- 01-07-13 - TEMP EASE
	PLOT SCALE =	DRAWN -- RG	REVISED --
	PLOT DATE = 02-28-13	CHECKED -- AG	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INTERSECTION IMPROVEMENT IL RTE 53 AT MATERIAL ROAD SUGGESTED CONSTRUCTION STAGING - STAGE 1			
SCALE: 1"=50'	SHEET NO. 15 OF 54 SHEETS	STA.	TO STA.

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	09-00055-00-CH	WILL	54	15
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63753	
FED. AID PROJECT M-9003(B29)				



- LEGEND**
- ① 4" YELLOW REFLECTORIZED PAVEMENT MARKING TAPE, TYPE III
 - ② 4" WHITE REFLECTORIZED PAVEMENT MARKING TAPE, TYPE III
 - ▨ WORK AREA
 - TYPE II BARRICADE OR DRUM WITH STEADY BI-DIRECTIONAL BURNING LIGHT (50' C-C)
 - ⊥ TYPE III BARRICADE WITH STEADY BURNING LIGHT
 - ⊢ SIGN
 - ↑ DIRECTION INDICATOR BARRICADE WITH STEADY BURNING LIGHT (50' C-C)
 - ↑ ARROW BOARD
 - FLEXIBLE DELINEATOR
 - FLAGGER WITH TRAFFIC CONTROL SIGN

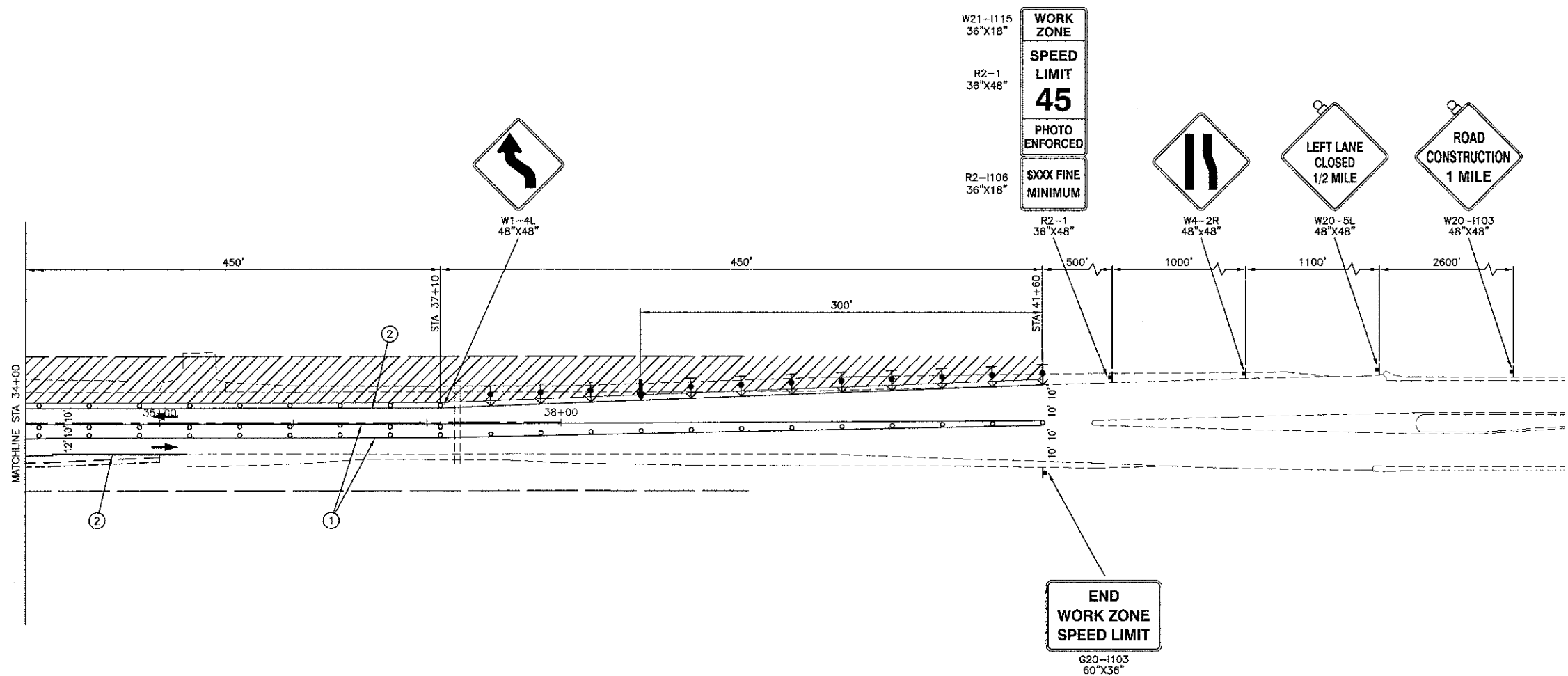
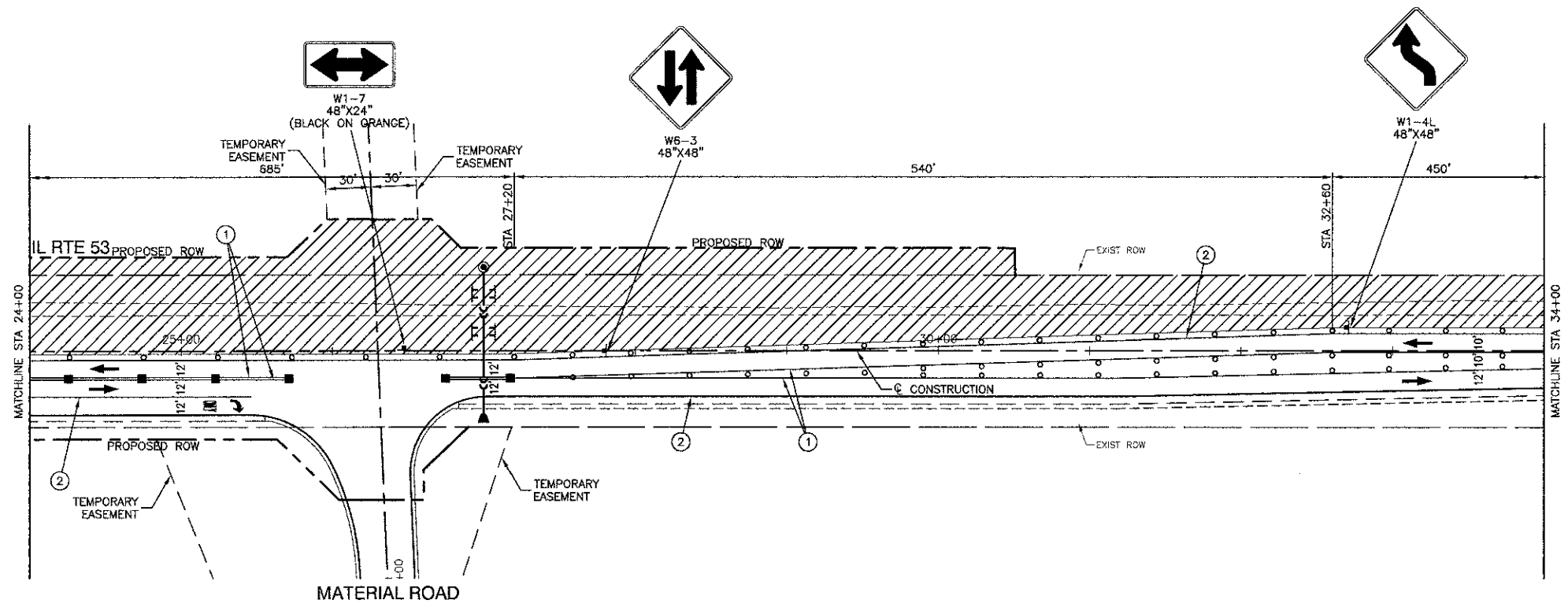
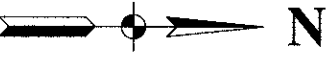
FILE NAME = 09381_02.TCON-01 - IDOT.PC2A	USER NAME =	DESIGNED = WPD	REVISED = 12-12-12 - IDOT
		CHECKED = PB	REVISED =
		DRAWN = RG	REVISED =
		CHECKED = AG	REVISED =
PLOT SCALE =			
PLOT DATE = 02-28-13			

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

INTERSECTION IMPROVEMENT
IL RTE 53 AT MATERIAL ROAD
SUGGESTED CONSTRUCTION STAGING - STAGE 2

SCALE: 1"=50' SHEET NO. 16 OF 54 SHEETS STA. TO STA.

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	09-00055-00-CH	WILL	54	16
CONTRACT NO. 63753			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(829)	



- LEGEND**
- ① 4" YELLOW REFLECTORIZED PAVEMENT MARKING TAPE
 - ② 4" WHITE REFLECTORIZED PAVEMENT MARKING TAPE
 - ▨ WORK AREA
 - TYPE II BARRICADE OR DRUM WITH STEADY BI-DIRECTIONAL BURNING LIGHT (50' C-C)
 - ⊥ TYPE III BARRICADE WITH STEADY BURNING LIGHT
 - ↑ SIGN
 - ↑↑ DIRECTION INDICATOR BARRICADE WITH STEADY BURNING LIGHT (50' C-C)
 - ↑ ARROW BOARD
 - FLEXIBLE DELINEATOR
 - FLAGGER WITH TRAFFIC CONTROL SIGN

FILE NAME = 09361_02-TOON-01 - IDOT P028	USER NAME =	DESIGNED -- WPD	REVISED -- 12-12-12 - IDOT
		CHECKED -- PB	REVISED -- 01-07-13 - TEMP EASE
	PLOT SCALE =	DRAWN -- RG	REVISED --
	PLOT DATE = 02-28-13	CHECKED -- AG	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTERSECTION IMPROVEMENT
IL RTE 53 AT MATERIAL ROAD
SUGGESTED CONSTRUCTION STAGING - STAGE 2**

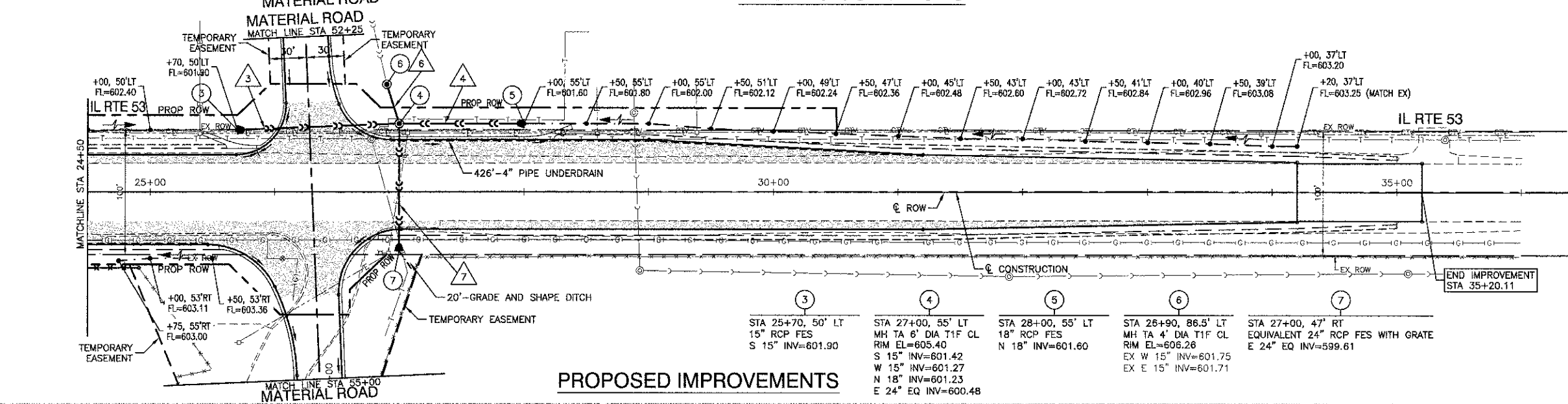
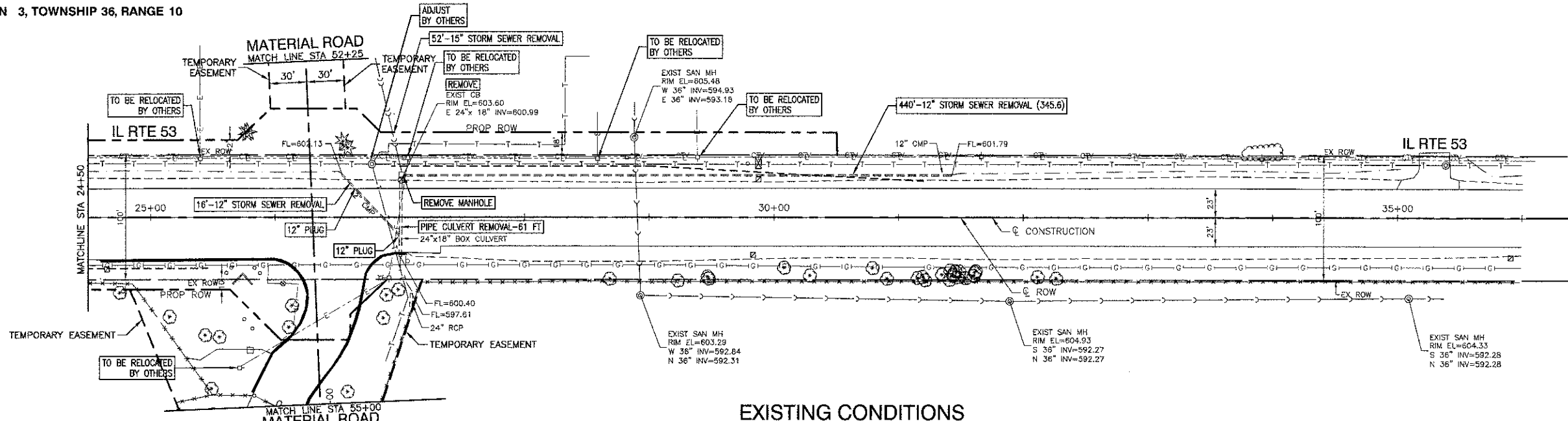
SCALE: 1"=50' SHEET NO. 17 OF 54 SHEETS STA. TO STA.

F.A.P. RTE. 112	SECTION 09-00055-00-CH	COUNTY WILL	TOTAL SHEETS 54	SHEET NO. 17
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT M-9003(B29)	



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PLAN	
NOTE BOOK	

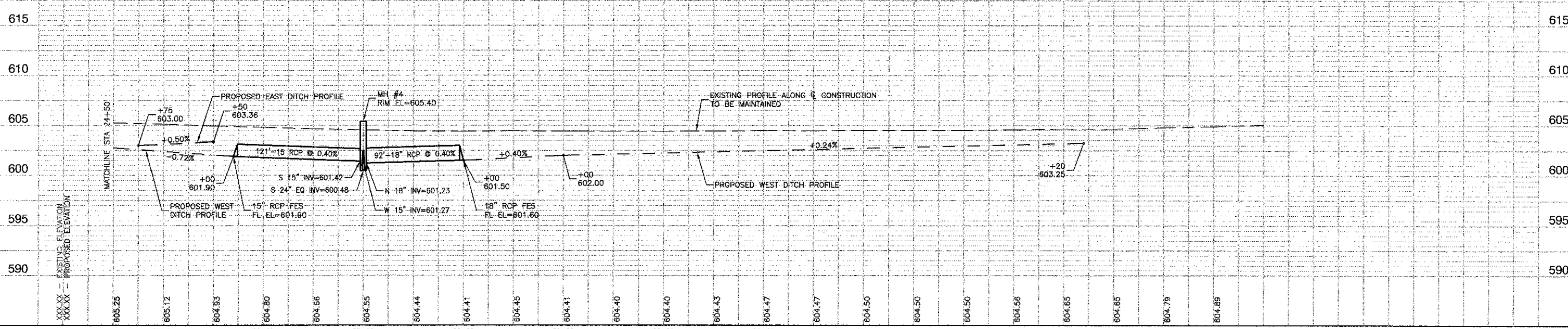
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FILE NAME	
NO.	
PROFILE	
NOTE BOOK	



- 3 121'-15" RCP SST1 @ 0.40% (14.6)
- 4 92'-18" RCP SST1 @ 0.40%
- 6 30'-15" RCP SST1 @ 1.48
- 7 93' EQUIVALENT 24" (30"x19") RCP SST1 @ 0.94% (10.1)

- NOTES**
- ALL OFFSETS AND ELEVATIONS TO CURB LINE STRUCTURES ARE GIVEN TO THE EDGE OF PAVEMENT. OFFSETS AND ELEVATIONS FOR FLARED END SECTIONS ARE GIVEN AT THE FLARED END. ALL OTHER OFFSETS AND ELEVATIONS ARE GIVEN TO THE CENTER OF THE STRUCTURE.
 - (XX.X) DENOTES CUBIC YARDS TRENCH BACKFILL.
 - ALL 4" PIPE UNDERDRAIN SHALL BE INSTALLED 1 FT INSIDE AND 1 FT BELOW THE OUTSIDE EDGE OF AGGREGATE SUBGRADE IMPROVEMENT, 12"
 - THE GENERAL CONTRACTOR IS REQUIRED TO HIRE AN ENVIRONMENTAL FIRM WITH AT LEAST FIVE (5) DOCUMENTED LEAKING UNDERGROUND STORAGE TANK CLEANUPS OR THAT IS PRE-QUALIFIED IN HAZARDOUS WASTE BY THE DEPARTMENT TO REMEDIATE THE SOIL CONTAMINATION AND MONITOR FOR WORKER PROTECTION.

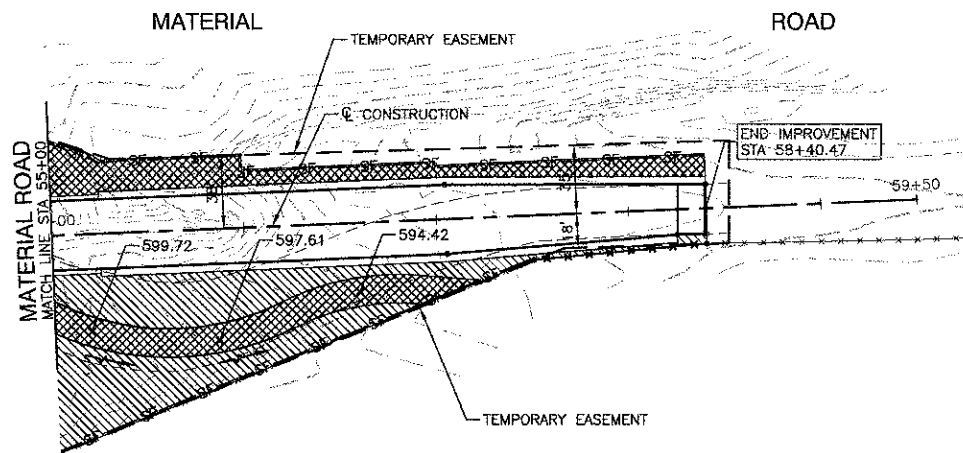
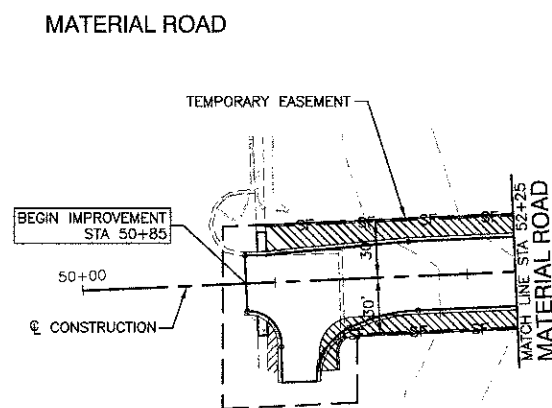
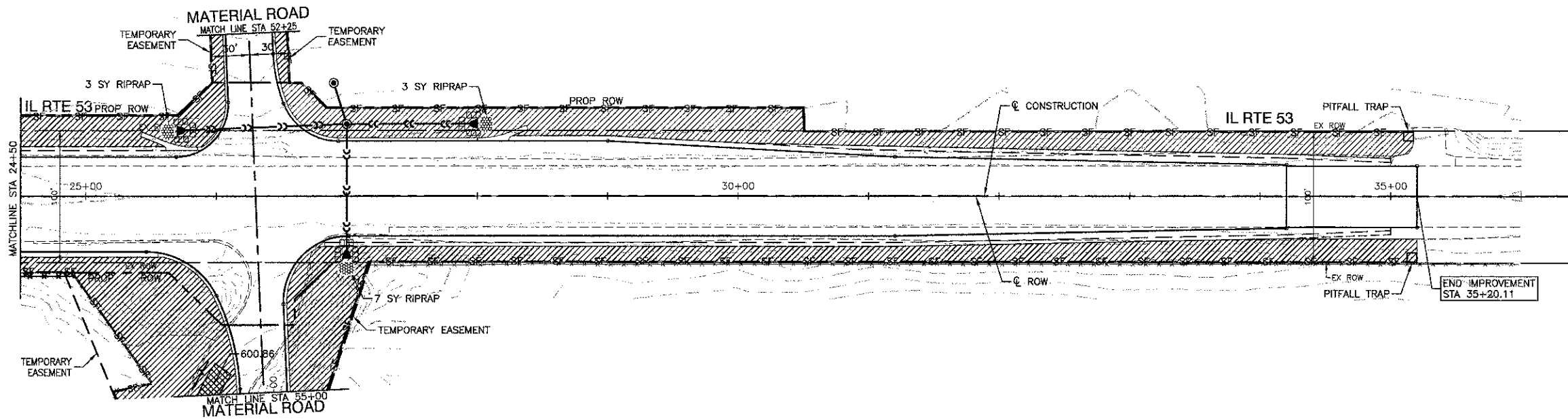
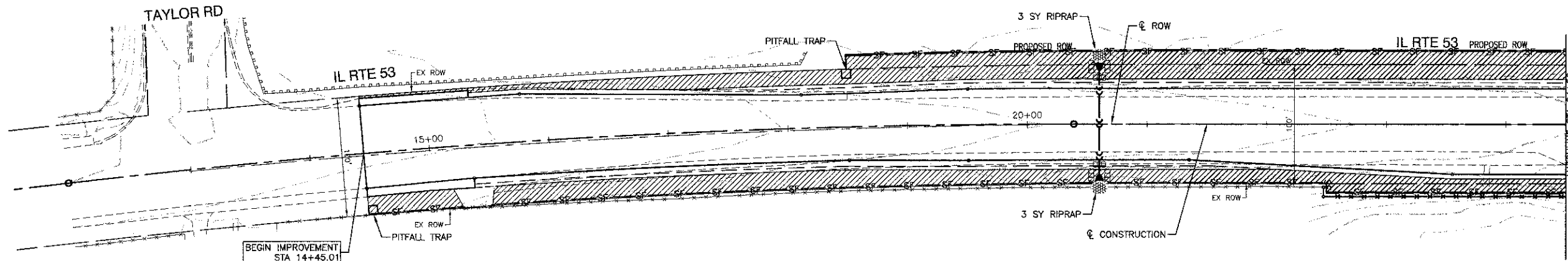
BENCH MARK:
2 NAILS IN EAST FACE OF 9TH POWER POLE NORTH OF TAYLOR ROAD, ON WEST SIDE OF ROUTE 53. ELEVATION=605.76



FILE NAME = 08361_02-PLPR-01 - STORM02	USER NAME =	DESIGNED = WPD	REVISED = 01-07-13 - TEMP EASE	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL RTE 53 AT MATERIAL ROAD STA 24+50 TO END IMPROVEMENTS DRAINAGE & UTILITIES	F.A.P. RTE = 112	SECTION = 09-00655-00-CH	COUNTY = WILL	TOTAL SHEETS = 54	SHEET NO. = 19	
	PLOT SCALE = 1"=50'	CHECKED = PB	REVISED =			SCALE: H 1"=50' V 1"=5'	SHEET NO. 19 OF 54 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT M-9003(829)
	PLOT DATE = 02-28-13	DRAWN = AG	REVISED =								
		CHECKED = PS	REVISED =								

DATE	BY
SURVEYED	PLANNED
CHECKED	CHECKED
NO. OF WAY	NO. OF WAY
CHECKED	CHECKED
NO.	NO.

DATE	BY
SURVEYED	PLANNED
CHECKED	CHECKED
NO. OF WAY	NO. OF WAY
CHECKED	CHECKED
NO.	NO.



NOTES:

1. AFTER THE EXISTING PAVEMENT FOR MATERIAL ROAD HAS BEEN REMOVED, IT SHALL BE RESTORED TO MATCH EXISTING ELEVATIONS (FLOWING TO THE EAST)
2. A 20' WIDE SECTION ALONG THE EXISTING ALIGNMENT OF MATERIAL ROAD SHALL BE PLANTED WITH SEEDING CLASS 4 (NATIVE GRASS)
3. THE SILT FENCE TERMINALS SHALL BE CURVED BACK TOWARDS IL RTE. 53 AND END WITH A 3'x3' PITFALL TRAP 8" DEEP. THE PITFALL TRAPS WILL BE PAID FOR PER CU YD. AS EARTH EXCAVATION.
4. EACH PITFALL TRAP SHALL BE INSPECTED EVERY MORNING TO IDENTIFY ANY TRAPPED WILDLIFE. IF A TURTLE IS CAPTURED IN THE PITFALL, THE TRAP SHALL BE SHADED AND DAN KIRK, 630-553-1372, OF THE FOREST PRESERVE OF WILL COUNTY SHALL BE NOTIFIED TO REMOVE THE TURTLE.

KEY	ITEM NAME
—SF—	PERIMETER EROSION BARRIER
⊙	TREE PROTECTION
◆	INLET FILTER
⊞	INLET AND PIPE PROTECTION
▨	SEEDING CLASS 4 WITH EXCELSIOR BLANKET
▩	SEEDING CLASS 2A WITH EXCELSIOR BLANKET
○○○○	TEMPORARY DITCH CHECKS
⊞	FILTER FABRIC STONE RIPRAP, CLASS A1, 6" STONE RIPRAP, CLASS A4, 16"

FILE NAME = 08361_02-PLPR-USPW-01 - LNCS

USER NAME =	DESIGNED — WPD	REVISD — 11-09-12 - USPW
PLOT SCALE = 1"=50'	CHECKED — PB	REVISD — 12-13-12 - IDNR
PLOT DATE = 02-28-13	DRAWN — AG	REVISD — 01-07-13 - TEMP EASE
	CHECKED — PS	REVISD —

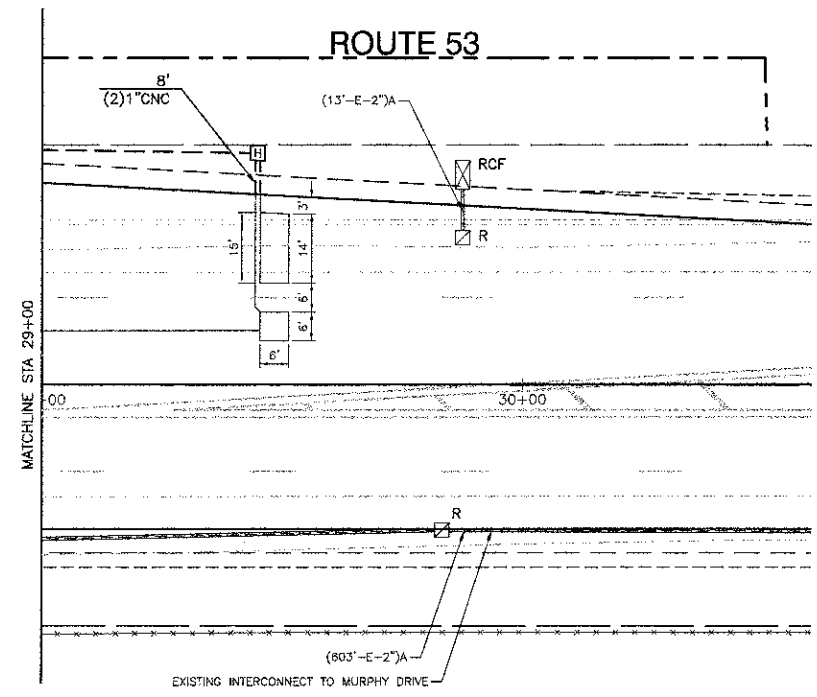
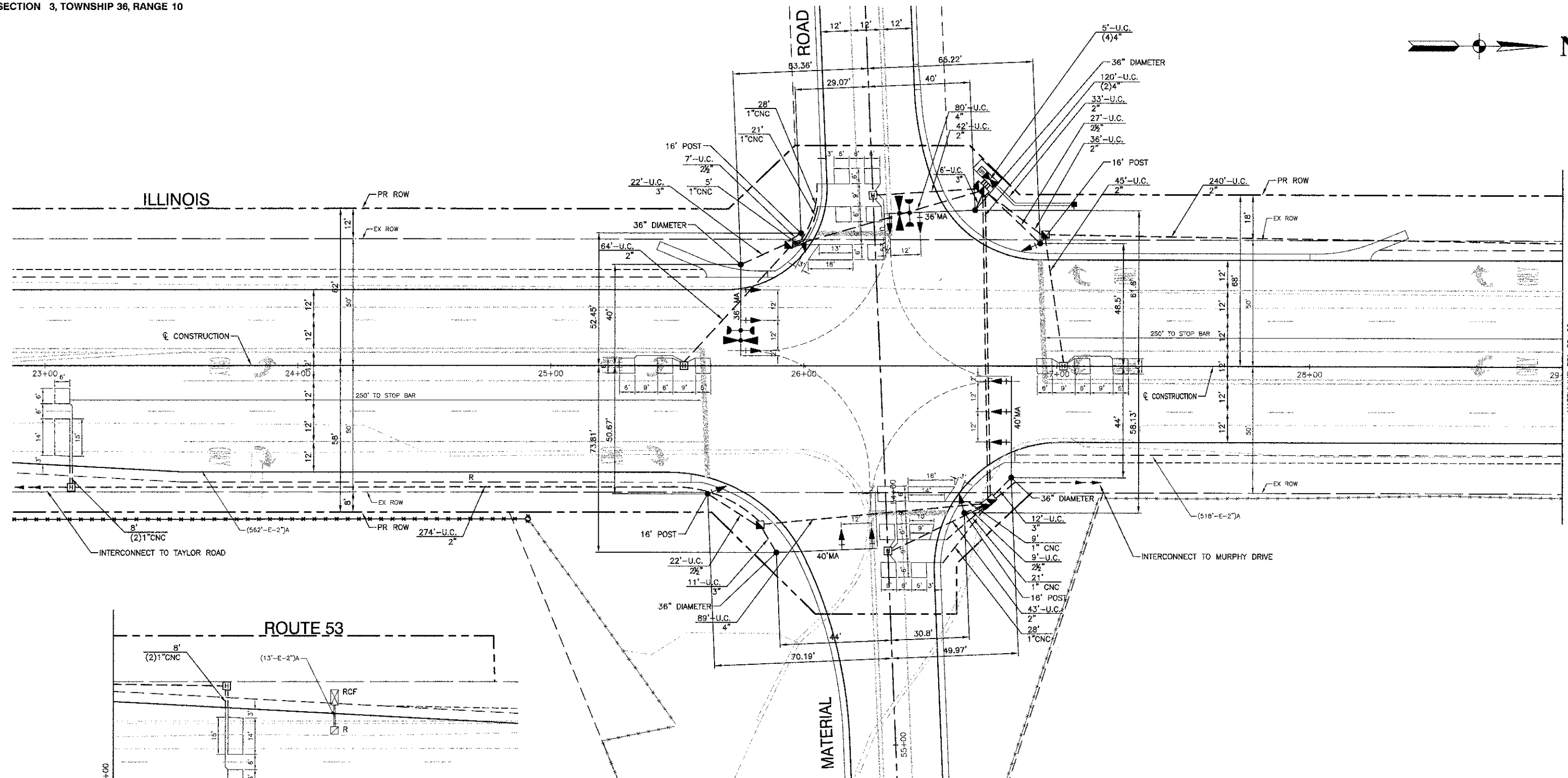
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 53 AT MATERIAL ROAD	
LANDSCAPING & EROSION CONTROL	
SCALE: 1"=60'	SHEET NO. 21 OF 54 SHEETS
STA.	TO STA.

F.A.P. RTE. 112	SECTION 09-00056-00-CH	COUNTY WILL	TOTAL SHEETS 54	SHEET NO. 21
CONTRACT NO. 63753				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(B29)				

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, YETHER 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 PERFORMED INTERSECTION LOOP DETECTOR PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD OPTICALLY PROGRAMMED				SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD				PERFORMED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR			
FLASHER INSTALLATION (S DENOTES SOLAR POWER)				12" (300mm) PEDESTRIAN SIGNAL HEAD WALK/DON'T WALK SYMBOL				PERFORMED SAMPLING (SYSTEM) DETECTOR			
PEDESTRIAN SIGNAL HEAD				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, OUTLINED				RAILROAD SYMBOLS			
PEDESTRIAN PUSHBUTTON DETECTOR				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, SOLID				RAILROAD CONTROL CABINET			
ACCESSIBLE PEDESTRIAN PUSHBUTTON DETECTOR				PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOL, WITH COUNTDOWN TIMER				RAILROAD CANTILEVER MAST ARM			
ILLUMINATED SIGN "NO LEFT TURN"				RADIO INTERCONNECT				FLASHING SIGNAL			
ILLUMINATED SIGN "NO RIGHT TURN"				RADIO REPEATER				CROSSING GATE			
DETECTOR LOOP, TYPE I				DENOTES NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE, ALL DETECTOR LOOP CABLE TO BE SHIELDED				CROSSBUCK			
PERFORMED 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											



- NOTES:
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM FOUNDATIONS AND VERIFYING THE MAST ARM LENGTHS.
 - THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ORDERING ANY MATERIALS AND STARTING ANY WORK. FOR LOCATIONS OF UTILITIES, LOCALLY OWNED EQUIPMENT, LEASED ENFORCEMENT CAMERA SYSTEM FACILITIES AND IDOT UNDERGROUND FACILITIES, CONTACT THE LOCAL COUNTIES, MUNICIPALITIES AND IDOT FOR LOCATES. THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 OR 811, IN THE CITY OF CHICAGO CONTACT DIGGER AT (312) 744-7000 FOR FIELD LOCATIONS OF BURIED UTILITIES (48 HOURS NOTIFICATION REQUIRED).
 - THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL COORDINATE ANY CONFLICTS WITH THE UTILITY COMPANIES AND THE RESIDENT ENGINEER BEFORE ORDERING MATERIALS.
 - THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, LOCAL GOVERNMENT AGENCIES AND IDOT.

TRAFFIC SIGNAL CONTROLLER EQUIPMENT SHALL BE "EAGLE" TO MATCH 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 SEEDDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

FILE NAME = 08981_02-SGNL-01 - 1001 P01

USER NAME =	DESIGNED — WPD	REVISED —
	CHECKED — PB	REVISED —
PLOT SCALE =	DRAWN — PS	REVISED —
PLOT DATE = 02-28-13	CHECKED — AG	REVISED —

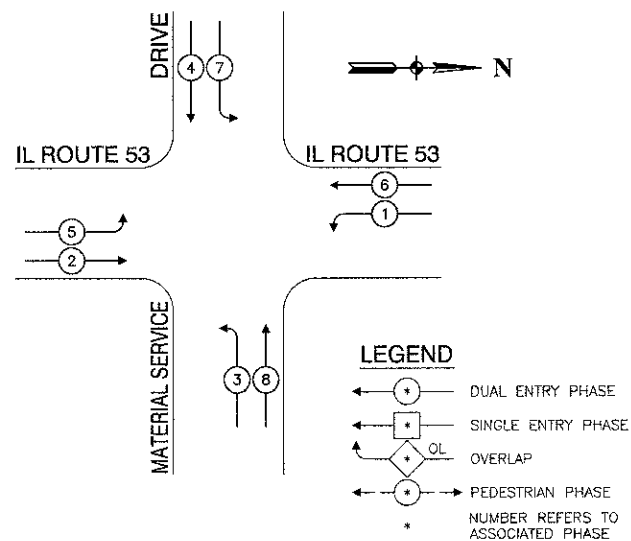
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 53 AT MATERIAL ROAD
INTERSECTION IMPROVEMENT
TRAFFIC SIGNAL INSTALLATION

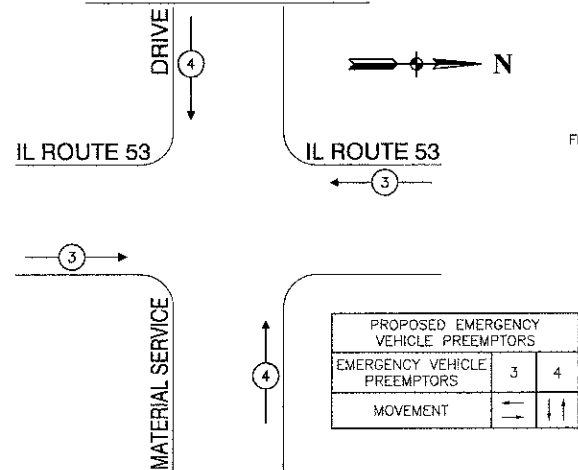
SCALE: 1"=20' SHEET NO. 24 OF 54 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	09-00055-00-CH	WILL	54	24
CONTRACT NO. 63753				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(R29)				

CONTROLLER SEQUENCE

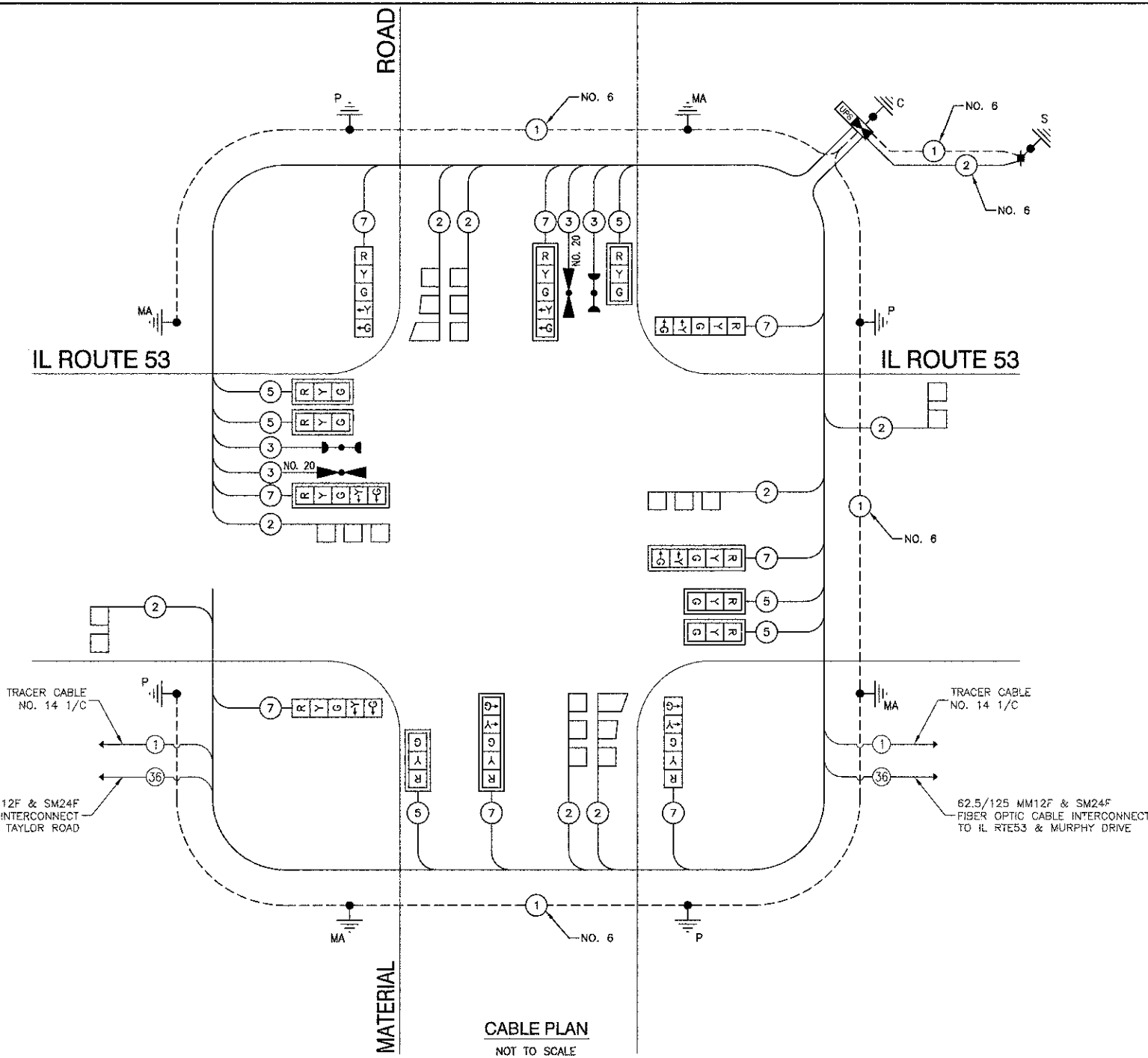


EMERGENCY VEHICLE PREEMPTION SEQUENCE



IL ROUTE 53

IL ROUTE 53



CABLE PLAN

NOT TO SCALE

SCHEDULE OF QUANTITIES

ITEM	UNIT	QUAN	ITEM	UNIT	QUAN
ROCK EXCAVATION FOR STRUCTURES	CU YD	6	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	2
SIGN PANEL - TYPE 1	SQ FT	30	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	2
SERVICE INSTALLATION - POLE MOUNTED	EACH	1	CONCRETE FOUNDATION, TYPE A	FOOT	16
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	783	CONCRETE FOUNDATION, TYPE C	FOOT	4
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	70	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	48
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	46	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	6
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	409	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
HANDHOLE	EACH	3	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	4
HEAVY-DUTY HANDHOLE	EACH	6	TRAFFIC SIGNAL BACKPLATE, LOUVERED, ALUMINUM	EACH	10
DOUBLE HANDHOLE	EACH	2	INDUCTIVE LOOP DETECTOR	EACH	8
TRANSMITTER - FIBER OPTIC	EACH	1	DETECTOR LOOP, TYPE I	FOOT	862
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	280	LIGHT DETECTOR	EACH	2
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1161	LIGHT DETECTOR AMPLIFIER	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1468	REMOVE EXISTING HANDHOLE	EACH	3
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1855	REMOVE EXISTING CONCRETE FOUNDATION	EACH	1
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	65	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	270
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1000	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4	UNINTERRUPTABLE POWER SUPPLY, SPECIAL	EACH	1

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

TRAFFIC SIGNAL CONTROLLER EQUIPMENT SHALL BE "EAGLE" TO MATCH EXISTING ADJACENT SYSTEM.

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO. LAMPS	INCAND.	LED	% OPERATION	
SIGNAL (RED)	14		17	0.50	119.00
(YELLOW)	14		25	0.25	87.50
(GREEN)	14		15	0.25	52.50
ARROW	16		12	0.10	19.20
PED. SIGNAL			25	1.00	
CONTROLLER	1		100	1.00	100
ILLUM. SIGN			25	0.05	
FLASHER				0.50	
ENERGY COSTS TO:				TOTAL =	378.20

ILLINOIS DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAY / DISTRICT 1
 201 WEST CENTER COURT / SCHAUMBURG, ILLINOIS 60196-1096
 ENERGY SUPPLY CONTACT: MARK ANDERSON
 PHONE: (815) 724-5888
 COMPANY: COMMONWEALTH EDISON

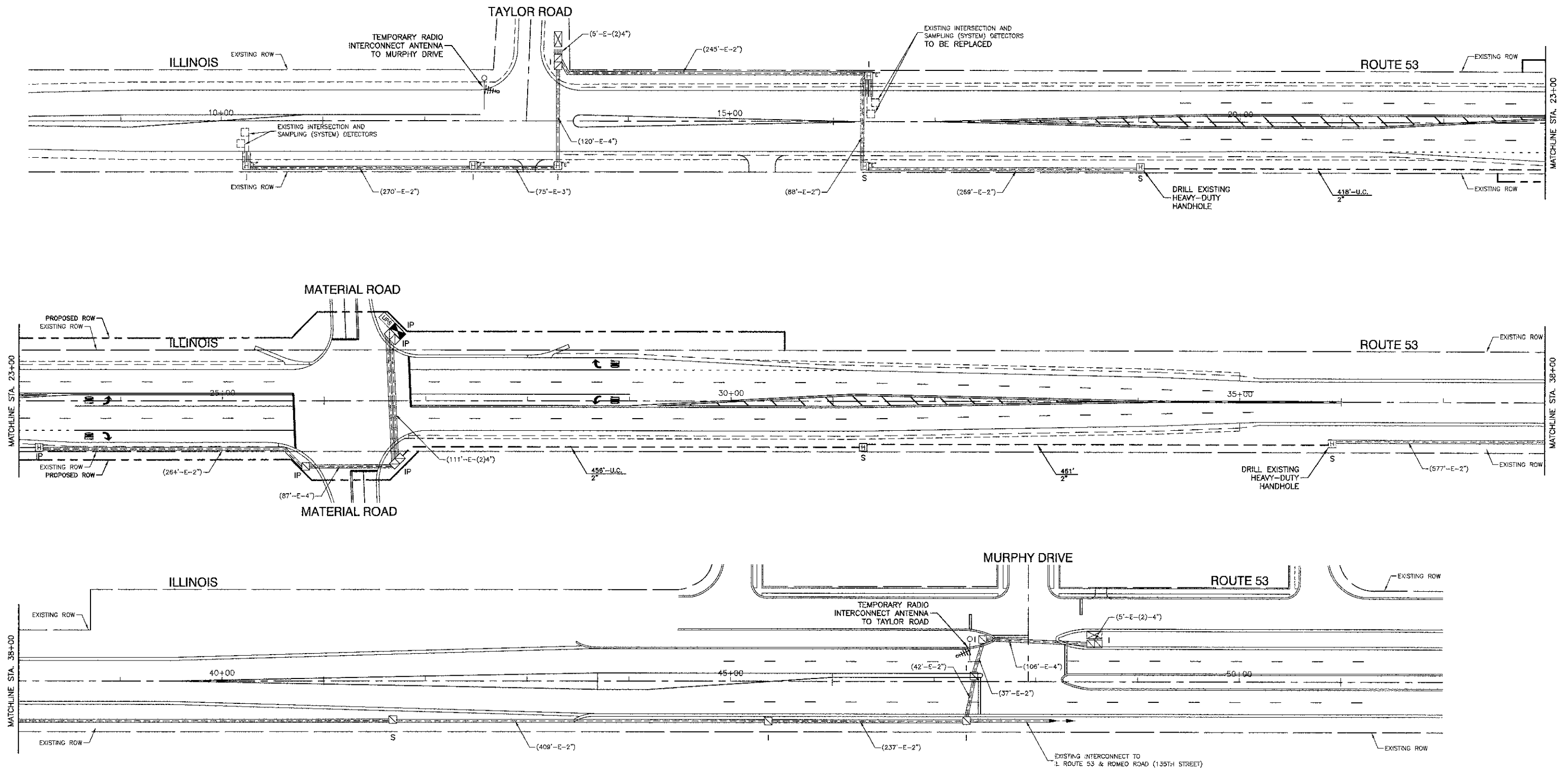
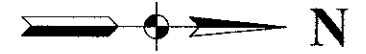
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		CHECKED - PB	REVISED -
		DRAWN - PS	REVISED -
		CHECKED - AG	REVISED -
	PLOT SCALE =		
	PLOT DATE = 02-28-13		

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL RTE 53 AT MATERIAL ROAD
 INTERSECTION IMPROVEMENT
 TRAFFIC SIGNAL CABLE PLAN

SCALE: NONE SHEET NO. 25 OF 54 SHEETS STA. TO STA.

F.A.P. RTE. 112	SECTION 09-00055-00-CH	COUNTY WILL	TOTAL SHEETS 54	SHEET NO. 25
CONTRACT NO. 63753			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(B29)	



TRAFFIC SIGNAL CONTROLLER EQUIPMENT SHALL BE "EAGLE" TO MATCH 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.

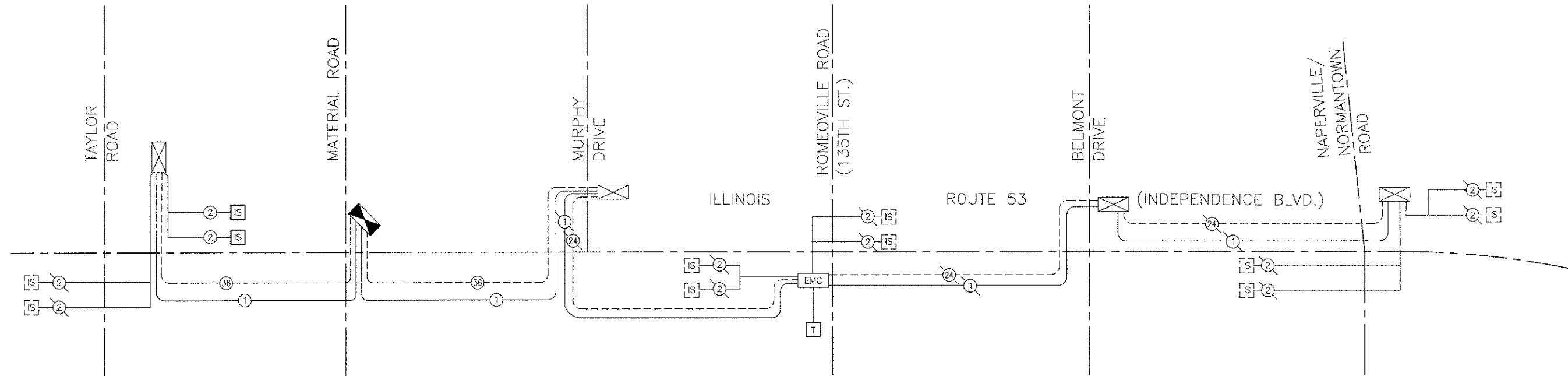
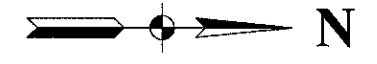
FILE NAME = 08361_02.SGNL-02 - P01

USER NAME =	DESIGNED -- WPD	REVISION --
	CHECKED -- PB	REVISION --
PLOT SCALE =	DRAWN -- PS	REVISION --
PLOT DATE = 02-28-13	CHECKED -- AG	REVISION --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL RTE 53 AT MATERIAL ROAD
INTERSECTION IMPROVEMENT
TRAFFIC SIGNAL INTERCONNECT PLAN
SCALE: 1"=50'
SHEET NO. 26 OF 54 SHEETS
STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	09-00065-00-CH	WILL	54	26
CONTRACT NO. 63753				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(829)				



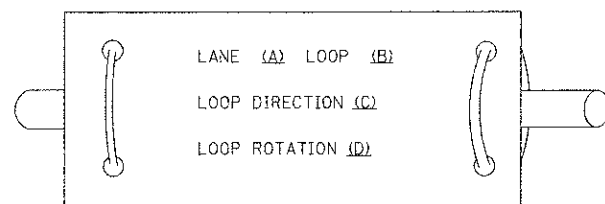
SCHEDULE OF QUANTITIES

ITEM	UNIT	QUAN
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1335
HEAVY-DUTY HANDHOLE	EACH	1
MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	2
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	4106
DRILL EXISTING HEAVY DUTY HANDHOLE	EACH	2
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	4106
PULL EXISTING CABLE FROM UNIT DUCT	FOOT	3979

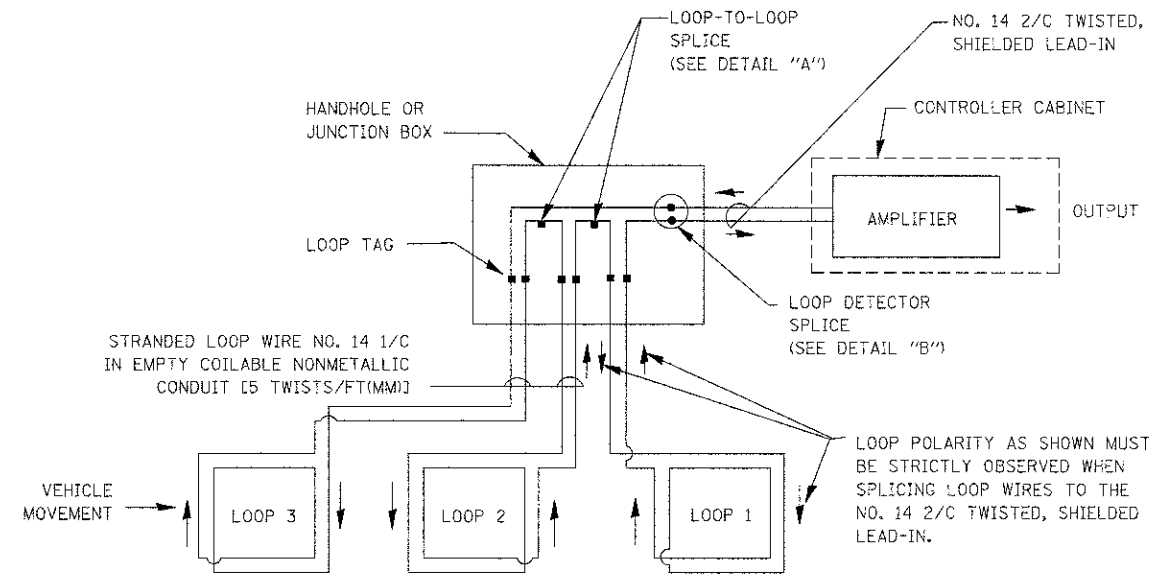
LOOP DETECTOR NOTES

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 DIVESHOLES 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

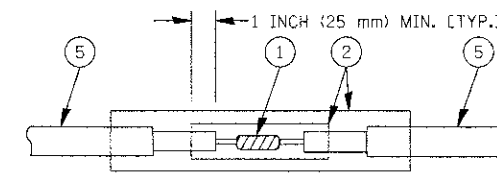


- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

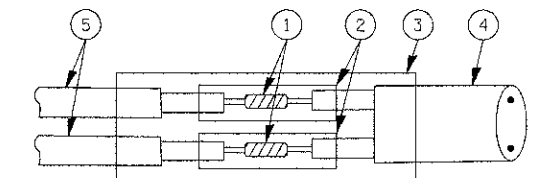


DETECTOR LOOP WIRING SCHEMATIC

- 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.

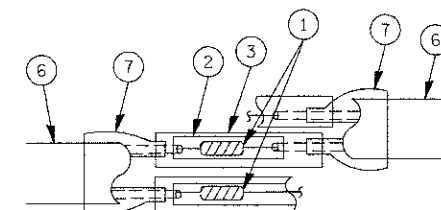


DETAIL "A" LOOP-TO-LOOP SPLICE

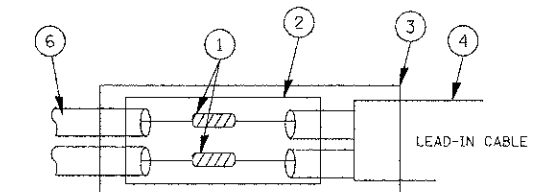


DETAIL "B" LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A" LOOP-TO-LOOP SPLICE



DETAIL "B" LOOP-TO-CONTROLLER SPLICE

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 PRE-FORMED LOOP
- 7 XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS. TYCO CBR-2 OR APPROVED EQUAL

FILE NAME = 08381_02-SGNI-DTLS-01 - P01

USER NAME = bwardl

DESIGNED -- DAD

REVISED --

CHECKED -- BCK

REVISED --

PLOT SCALE = 58.0000' / IN.

DRAWN -- DAD

REVISED --

PLOT DATE = 11/4/2009

CHECKED -- 10-28-09

REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

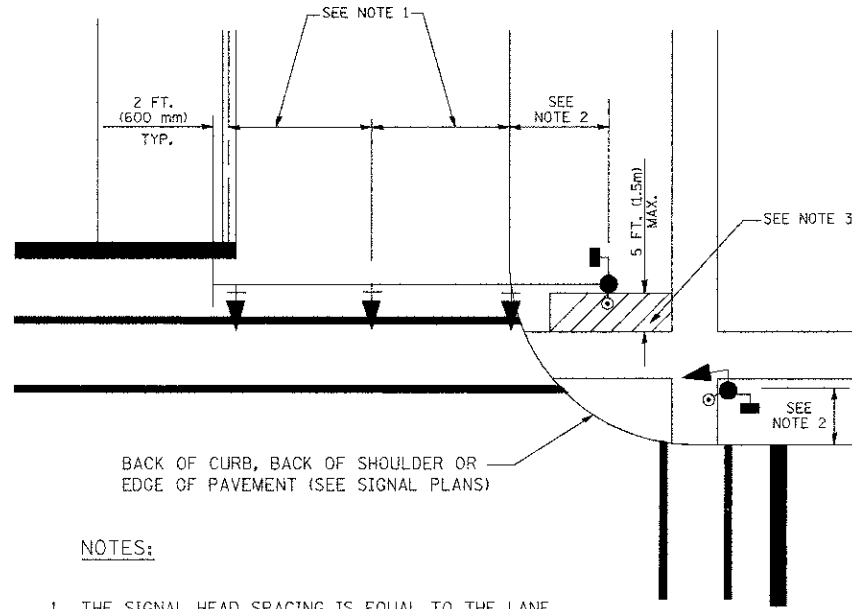
**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	09-0055-00-CH	WILL	54	28
TS-05			CONTRACT NO. 63753	
FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT	M-8003(829)	

SCALE: NONE SHEET NO. 28 OF 54 SHEETS STA. TO STA.

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

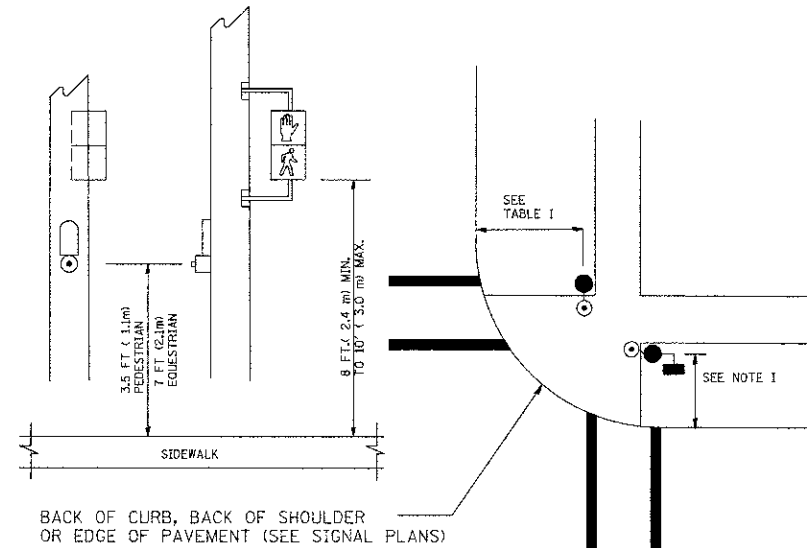
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA, INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



NOTES:

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

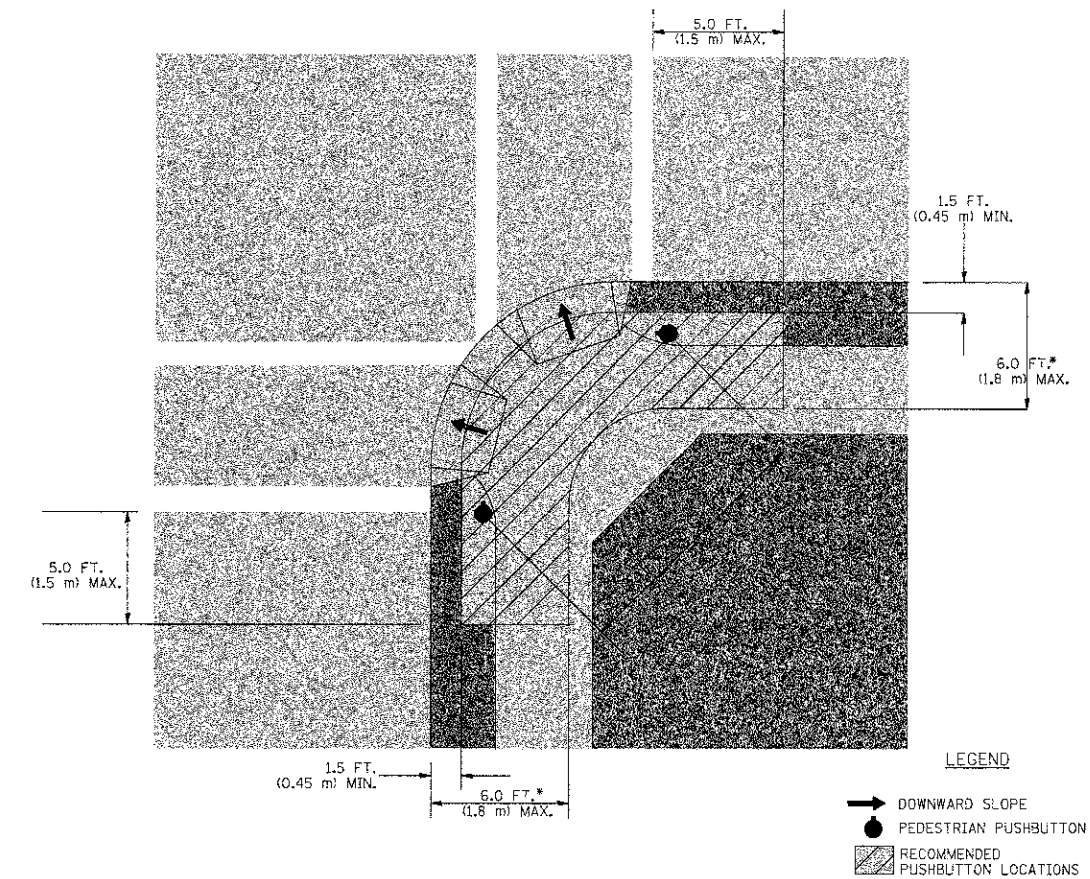
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



NOTES:

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

RECOMMENDED PUSHBUTTON LOCATIONS



LEGEND

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- RECOMMENDED PUSHBUTTON LOCATIONS

- * WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- ** WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPERATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

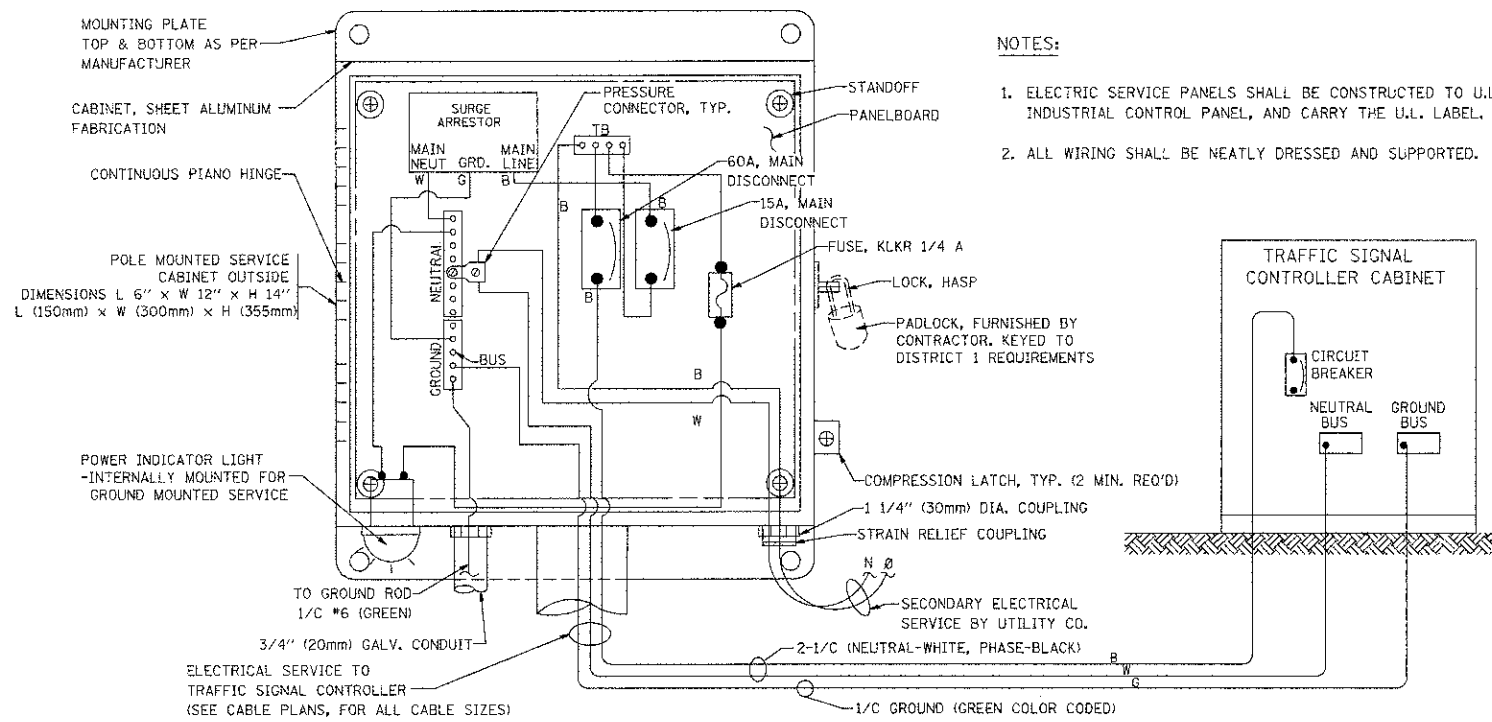
1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

TRAFFIC SIGNAL EQUIPMENT OFFSET

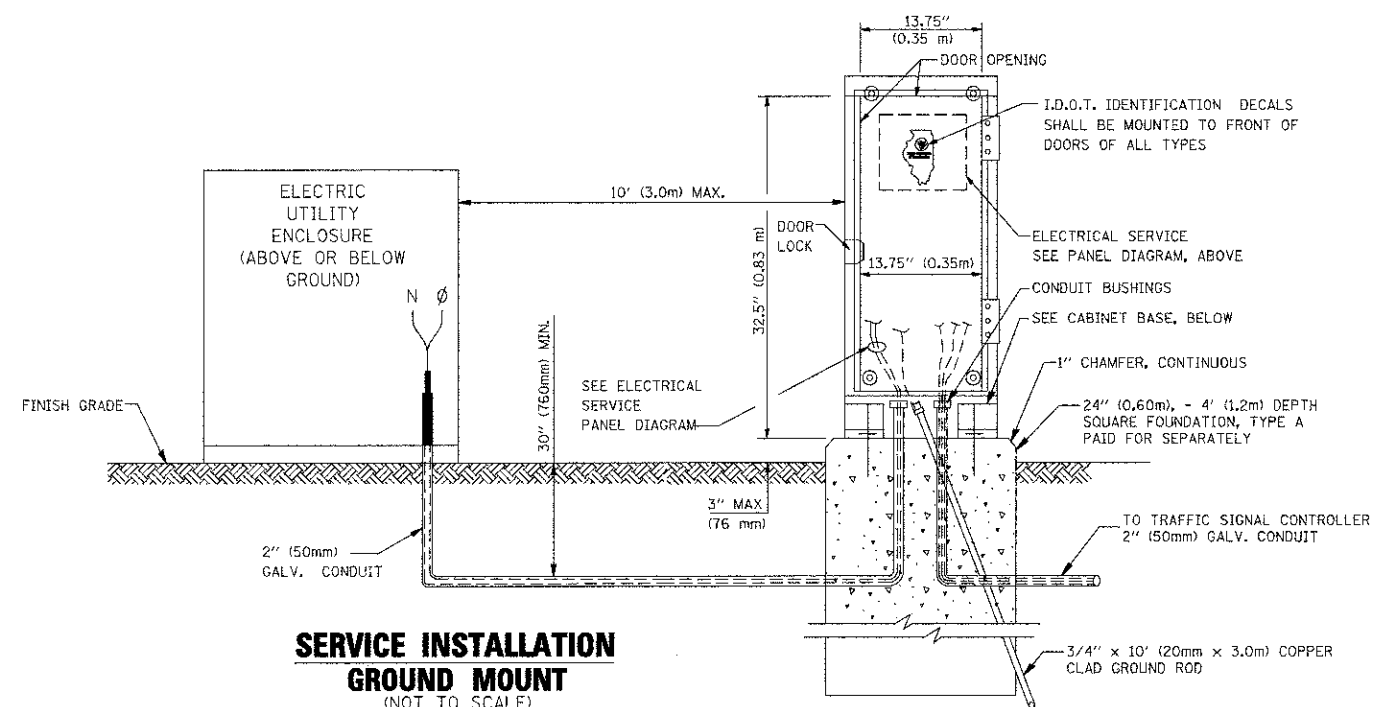
TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

NOTES:

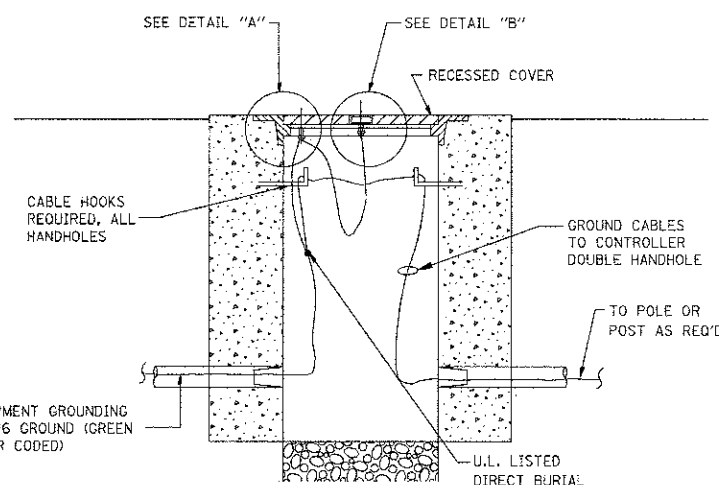
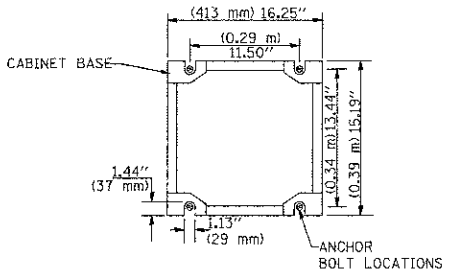
1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TO THE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD AFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.



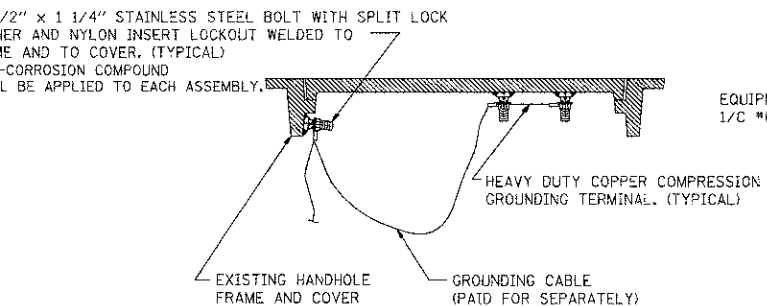
ELECTRICAL SERVICE – PANEL DIAGRAM (TYPICAL FOR POLE AND GROUND MOUNTED SERVICE)
SERVICE INSTALLATION POLE MOUNT (SHOWN)
 (NOT TO SCALE)



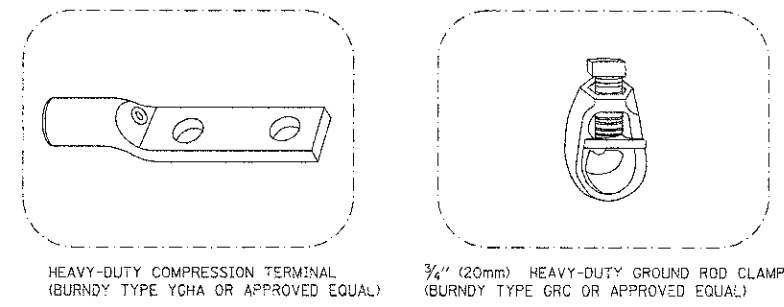
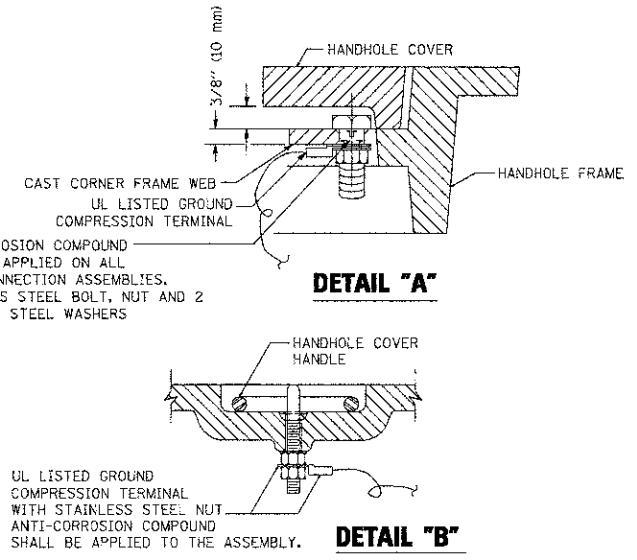
CABINET – BASE BOLT PATTERN
 (NOT TO SCALE)



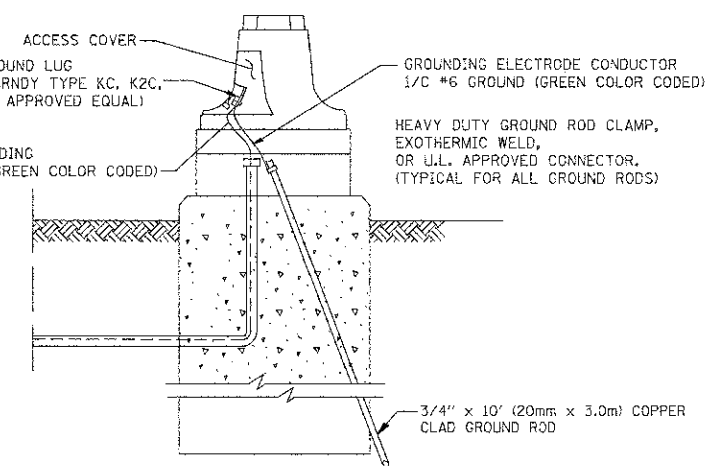
HANDHOLE COVER & FRAME – GROUNDING DETAIL
 (NOT TO SCALE)



EXISTING HANDHOLE COVER & FRAME – GROUNDING DETAIL
 (NOT TO SCALE)



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



MAST ARM POLE / POST-GROUNDING DETAIL
 (NOT TO SCALE)

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.

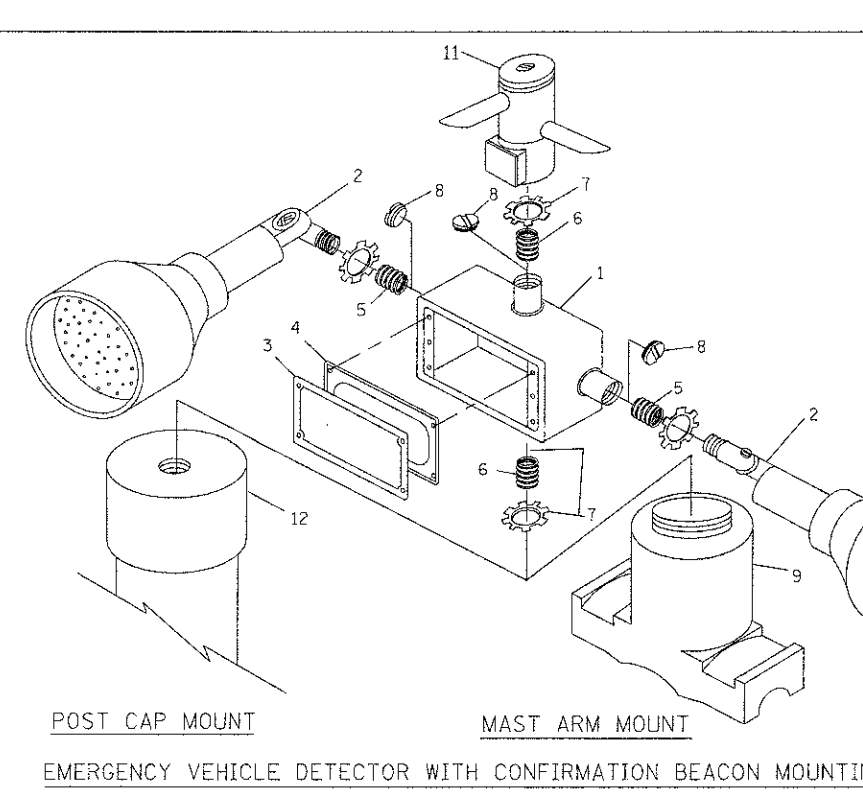
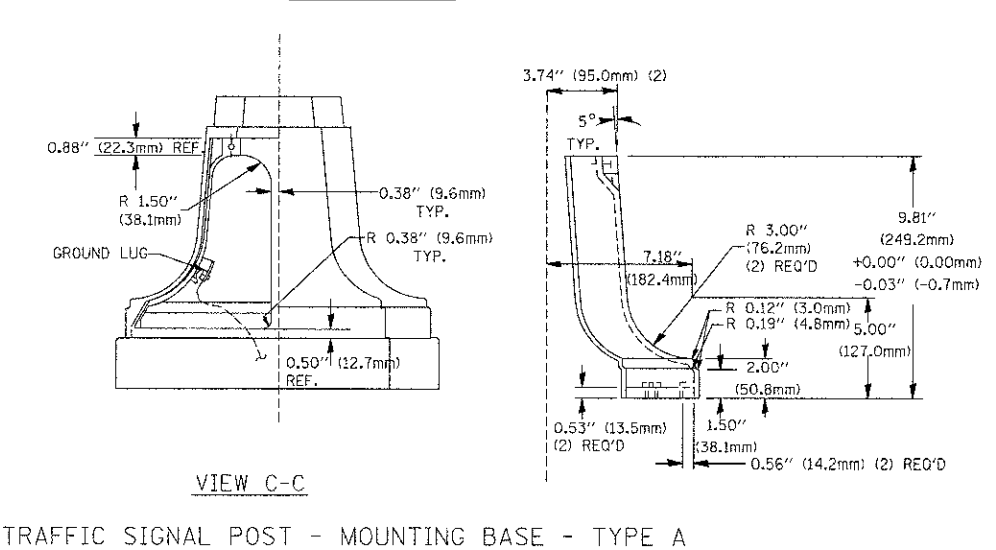
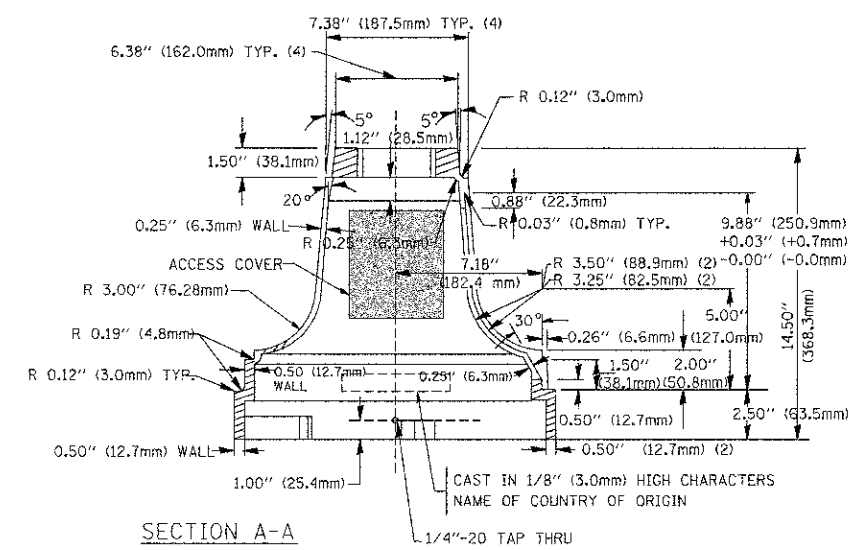
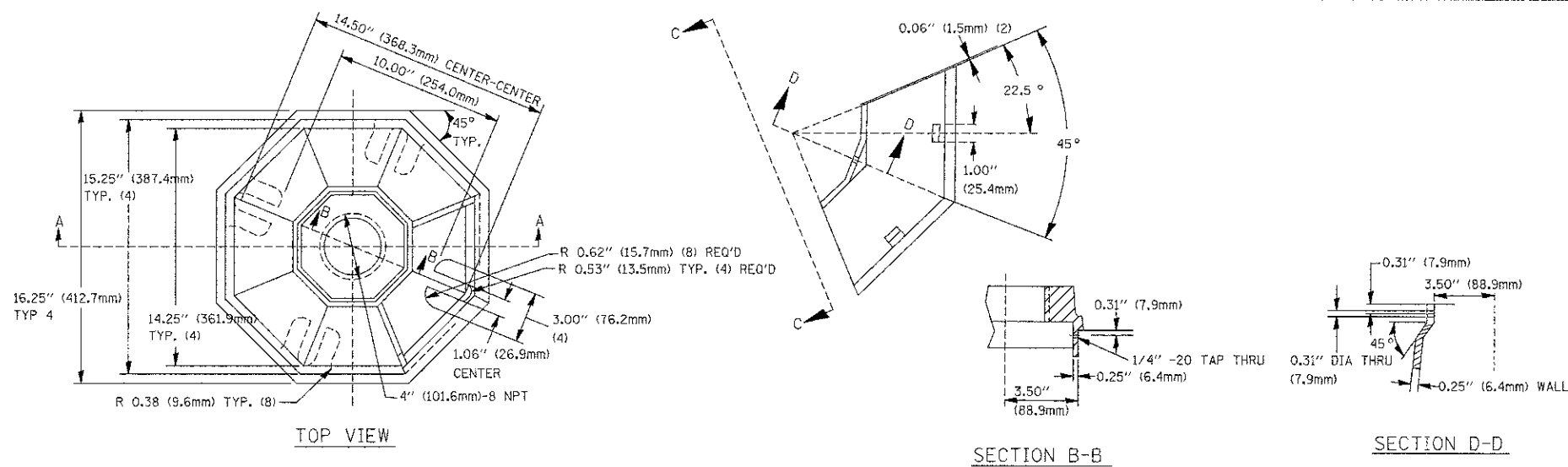
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USER NAME = bwardj	DESIGNED = DAD	REVISED =
PLOT SCALE = 5/8" = 1' IN.	CHECKED = BCK	REVISED =
PLOT DATE = 11/4/2009	DRAWN = DAD	REVISED =
	CHECKED = 10-28-09	REVISED =

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DISTRICT ONE	
STANDARD TRAFFIC SIGNAL DESIGN DETAILS	
SCALE: NONE	SHEET NO. 30 OF 54 SHEETS
STA. TO STA.	

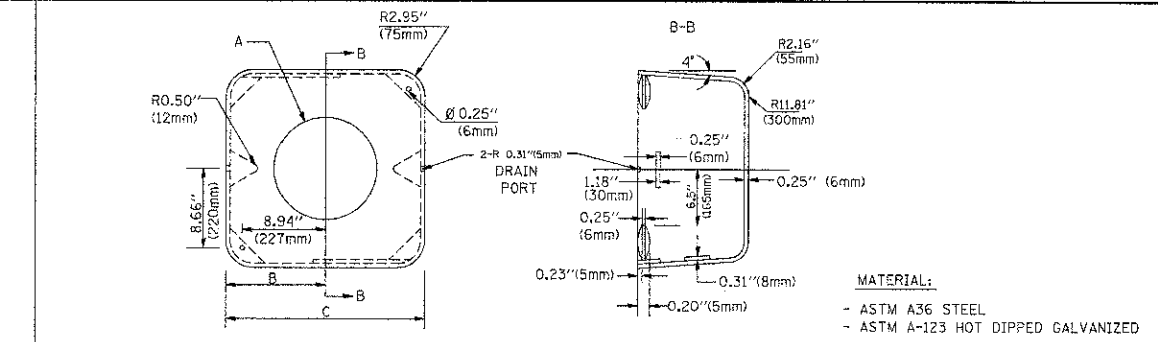
F.A.P. RTE. 112	SECTION 08-0055-00-CH	COUNTY WILL	TOTAL SHEETS 64	SHEET NO. 30
TS-05		CONTRACT NO. 63753		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(829)				



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:

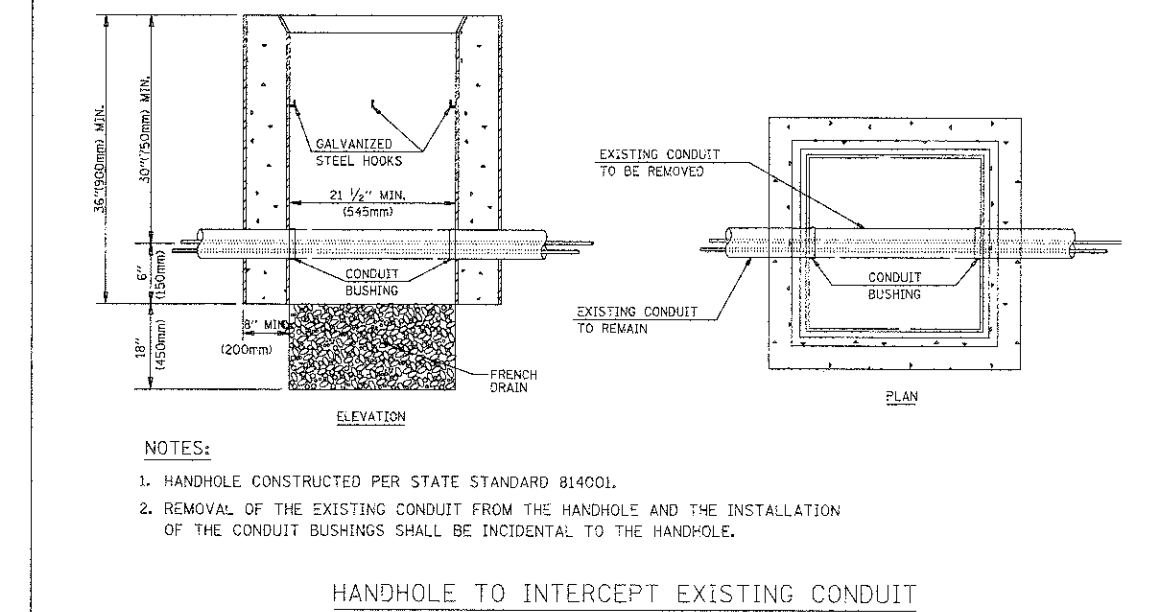
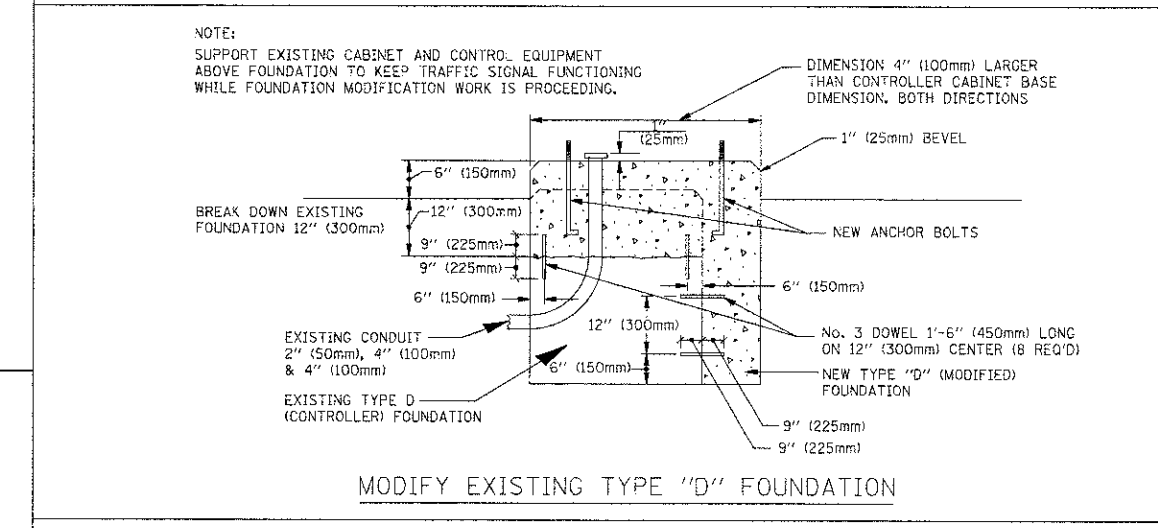
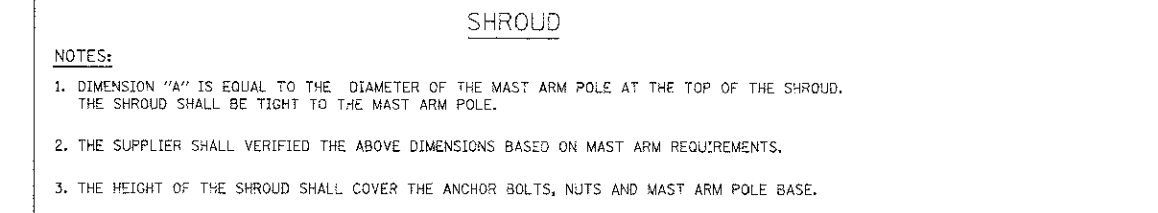
- ALL ELECTRICAL ITEMS, EXCEPT ITEMS #2 AND #11 SHALL BE ALUMINUM OR GALVANIZED
- ITEM #1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
ITEM #2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
ITEM #9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
- WHEN POST MOUNTING IS SPECIFIED, ITEM #9 SHALL NOT BE REQUIRED. THE DETECTION 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.

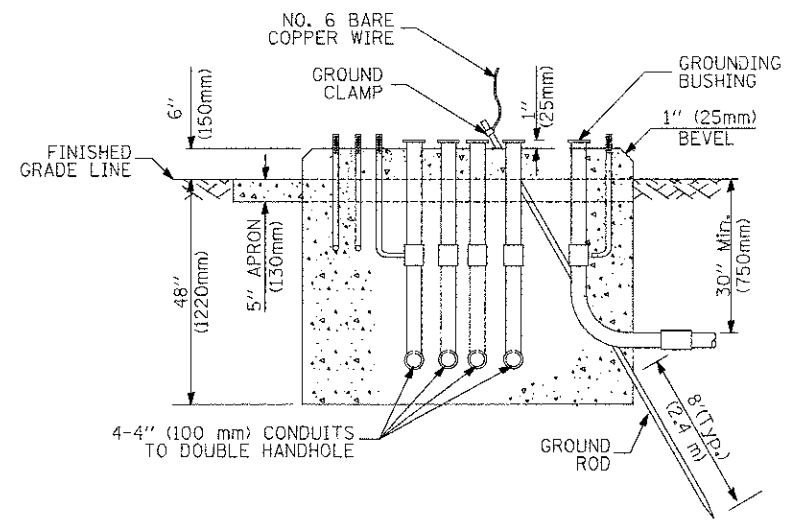
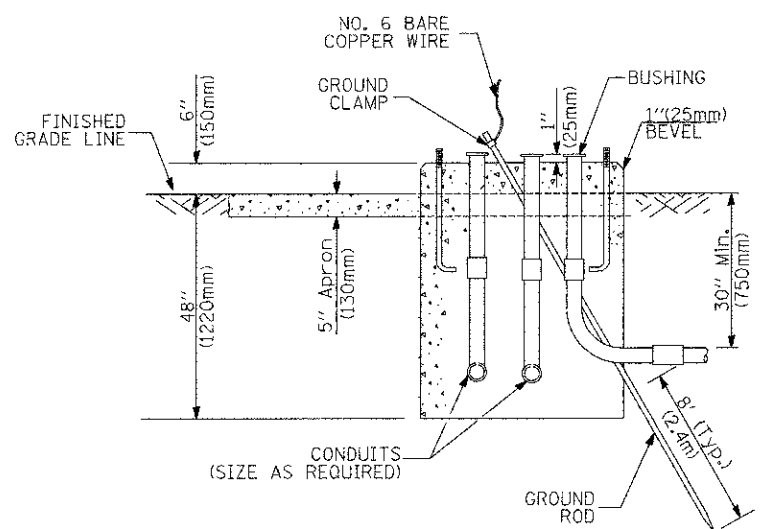
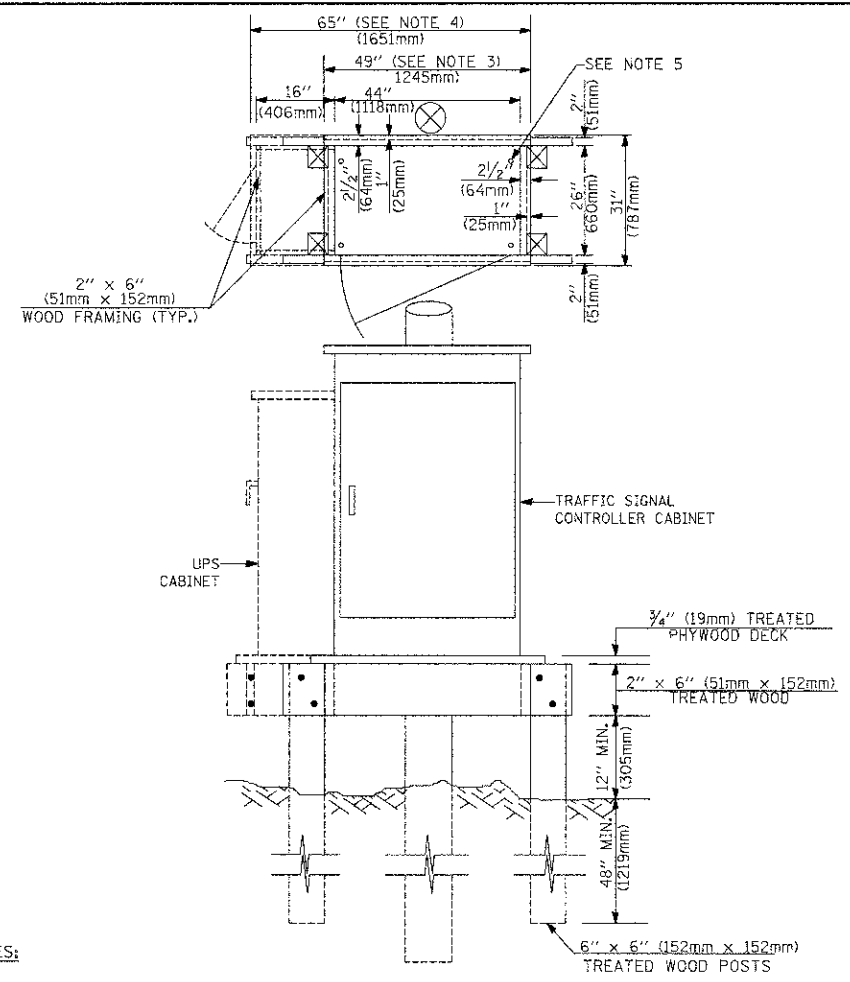
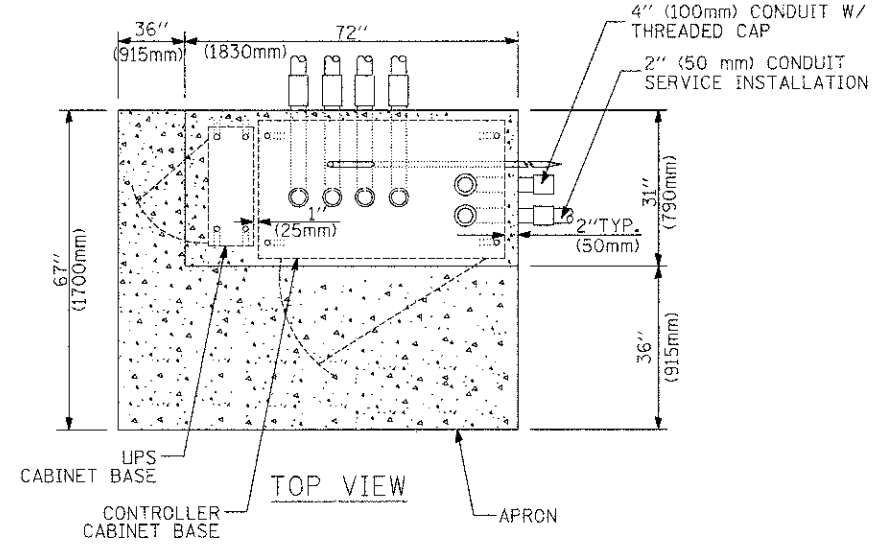
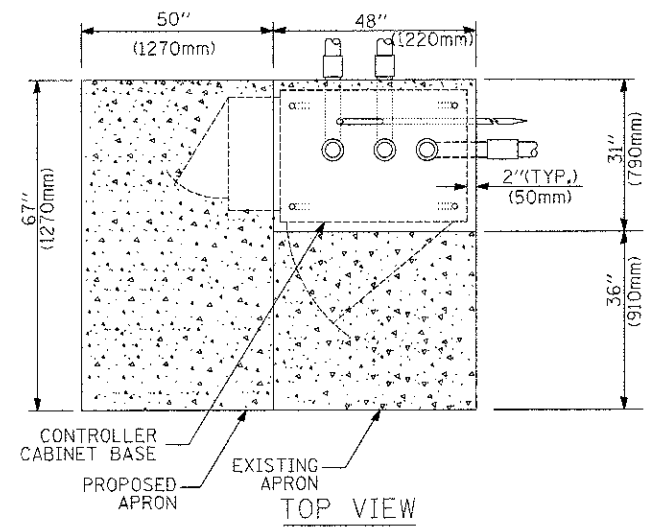


A	B	C	HEIGHT	WEIGHT
VARIES	9.5\"(241mm)	19\"(483mm)	7\"(178mm) - 12\"(300mm)	53 lbs (24kg)
VARIES	10.75\"(273mm)	21.5\"(546mm)	7\"(178mm) - 12\"(300mm)	68 lbs (31 kg)
VARIES	13.0\"(330mm)	26\"(660mm)	7\"(178mm) - 12\"(300mm)	81 lbs (37 kg)
VARIES	18.5\"(470mm)	37\"(940mm)	7\"(178mm) - 12\"(300mm)	126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

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 VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
- THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.





**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**

**TYPE C
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**

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**

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+L	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)

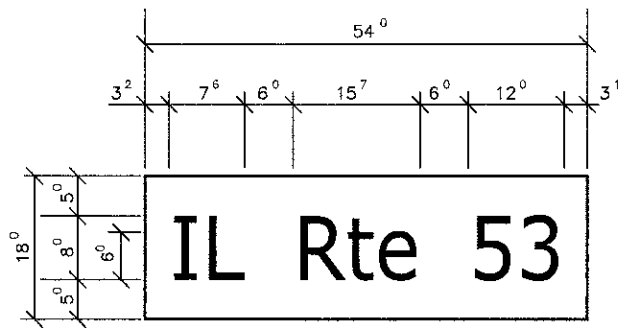
DEPTH OF FOUNDATION

MAST ARM LENGTH	FOUNDATION DEPTH	FOUNDATION DIAMETER	SPIRAL DIAMETER	QUANTITY OF REBAR'S	SIZE OF REBAR'S
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)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 55' (16.8 m) and up to 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and less than 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 75' (22.9 m) and up to 85' (25.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

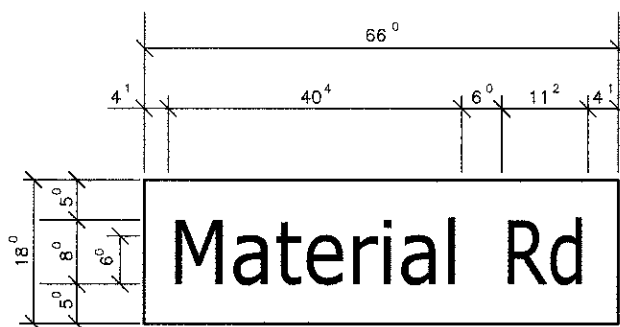
NOTES:

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



0.63 Sq. M. each
 6.75 Sq. Ft. each
 2 Required
 Design Series "D"



0.76 Sq. M. each
 8.25 Sq. Ft. each
 2 Required
 Design Series "D"

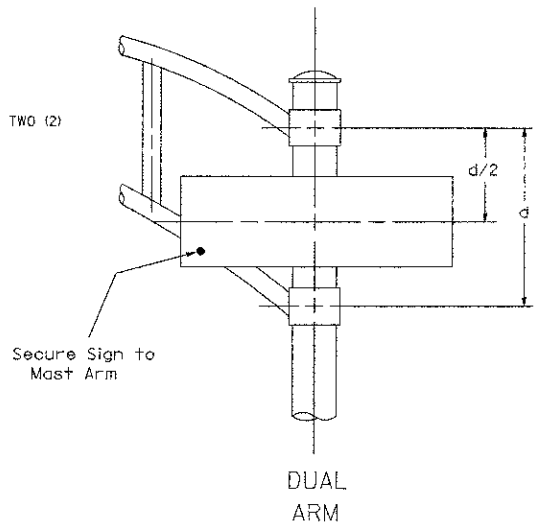
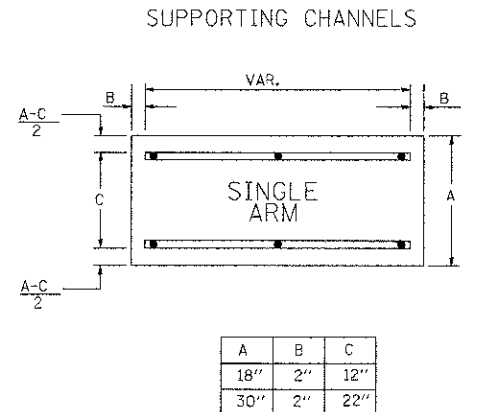
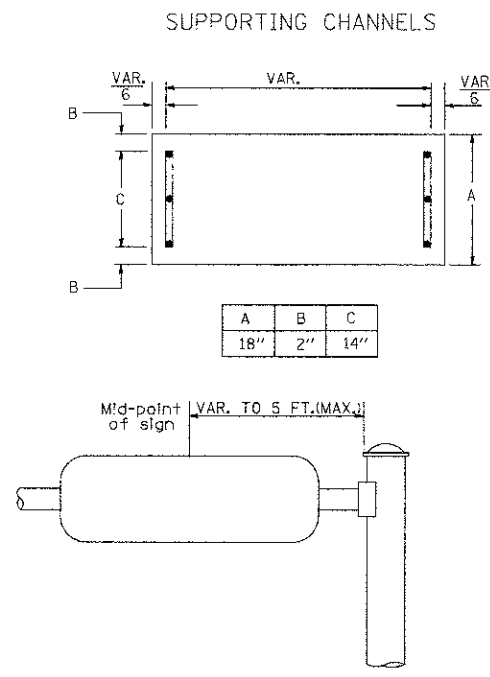
NOTE: SIGN DIMENSIONS ARE IN ENGLISH UNITS

GENERAL NOTES

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

PARTS LISTING
 SIGN CHANNEL PART #HPN053 (MED. CHANNEL)
 1/4" x 14 x 1" H.W.H. #3
 SIGN SCREWS SELF TAPPING WITH NEOPRENE WASHER
 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.



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

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

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

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

FIRST LETTER	SECOND LETTER															
	a c d e		b h i k l		f w		j		s t		v y		x		z	
	g o q	m n p r u														
SERIES	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
ad h g i j	1 ⁶	1 ⁷	2 ²	2 ⁴	1 ⁶	1 ⁷	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ⁶	1 ⁷	1 ⁶	1 ⁷
l m n q u																
b f k o p s	1 ²	1 ⁴	1 ⁶	1 ⁷	1 ¹	1 ²	0 ⁵	0 ⁶	1 ¹	1 ²	1 ¹	1 ²	1 ²	1 ⁴	1 ²	1 ⁴
c e	1 ²	1 ⁴	1 ⁶	1 ⁷	1 ²	1 ⁴	0 ⁶	1 ⁰	1 ²	1 ⁴	1 ²	1 ⁴	1 ²	1 ⁴	1 ²	1 ⁴
r	0 ⁶	1 ⁰	1 ²	1 ⁴	0 ⁶	1 ⁰	0 ³	0 ³	0 ⁵	0 ⁶	0 ⁵	0 ⁶	0 ⁶	1 ⁰	0 ⁶	1 ⁰
t z	1 ²	1 ⁴	1 ⁶	1 ⁷	1 ²	1 ⁴	0 ⁶	1 ⁰	1 ¹	1 ²	1 ¹	1 ²	1 ²	1 ⁴	1 ²	1 ⁴
v y	1 ¹	1 ²	1 ⁴	1 ⁵	1 ¹	1 ²	0 ⁵	0 ⁶	0 ⁶	1 ⁰	0 ⁶	1 ⁰	1 ¹	1 ²	1 ¹	1 ²
w	1 ¹	1 ²	1 ⁴	1 ⁵	1 ¹	1 ²	0 ⁵	0 ⁶	1 ¹	1 ²	1 ¹	1 ²	1 ¹	1 ²	1 ²	1 ⁴
x	1 ²	1 ⁴	1 ⁶	1 ⁷	1 ¹	1 ²	0 ⁵	0 ⁶	1 ¹	1 ²	1 ¹	1 ²	1 ¹	1 ²	1 ²	1 ⁴

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

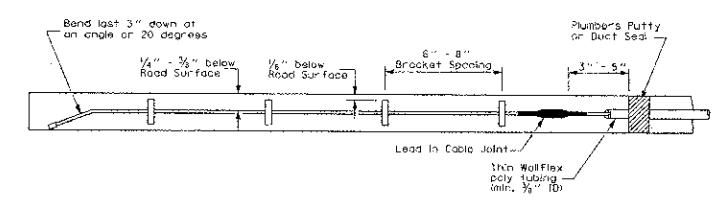
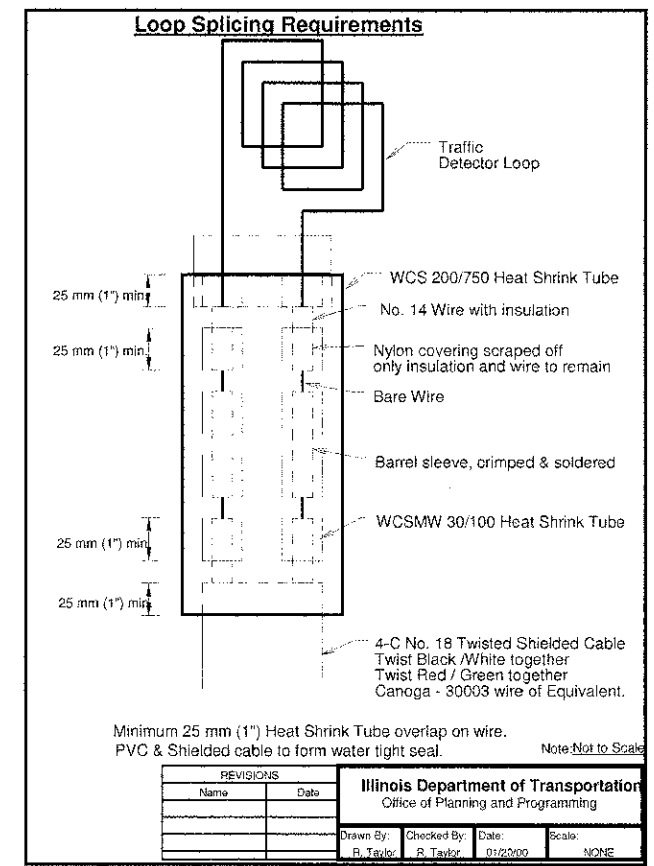
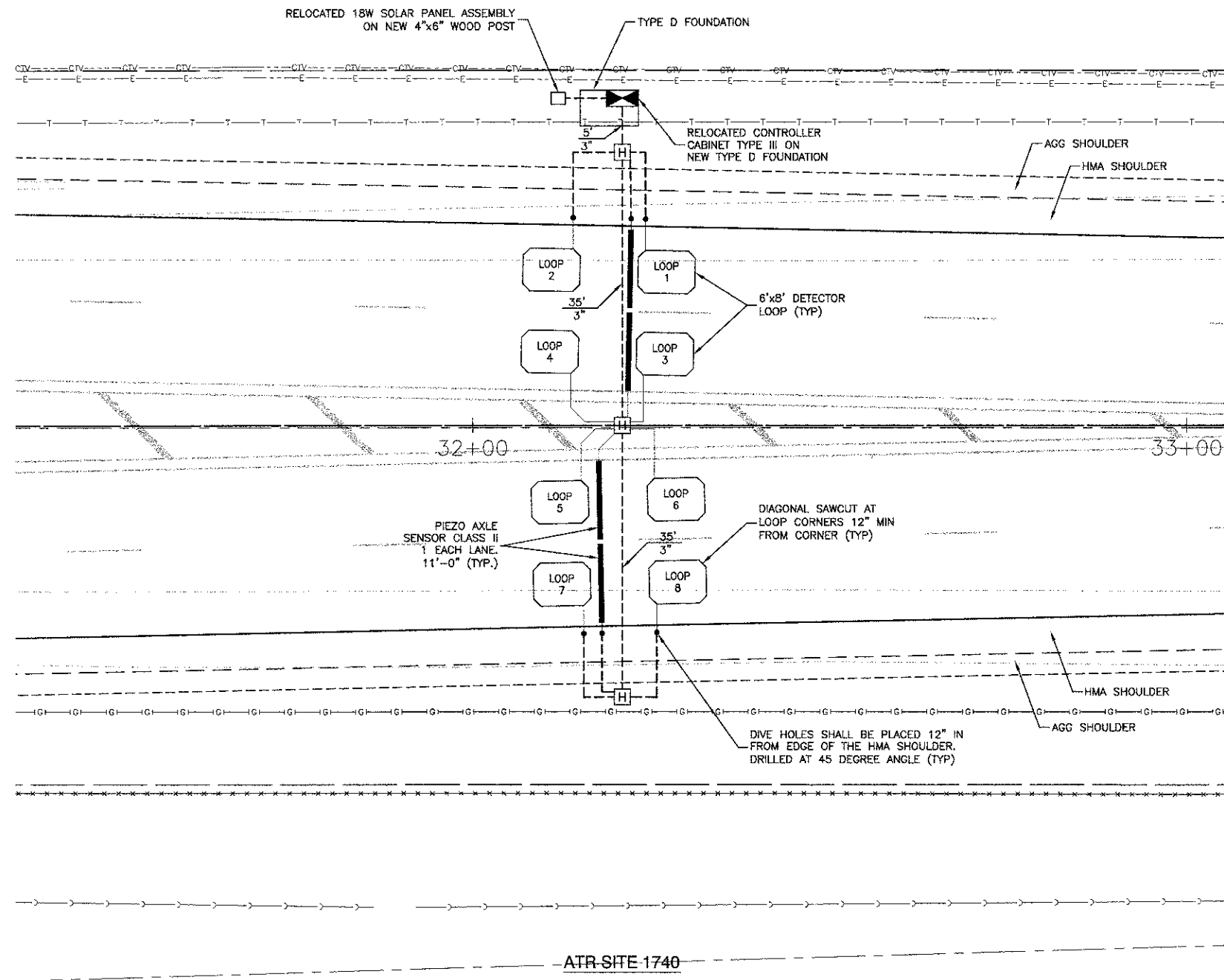
FIRST LETTER	SECOND NUMBER																			
	0		1		2		3		4		5		6		7		8		9	
SERIES	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
0 9	1 ⁶	1 ⁷	1 ⁶	1 ⁷	1 ⁴	1 ⁵	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ⁶	1 ⁷	1 ²	1 ⁴	1 ⁶	1 ⁷	1 ⁶	1 ⁷
1	2 ⁰	2 ¹	2 ⁰	2 ¹	2 ⁰	2 ¹	1 ⁶	1 ⁷	1 ⁴	1 ⁵	2 ⁰	2 ¹	2 ⁰	2 ¹	1 ⁴	1 ⁵	2 ⁰	2 ¹	2 ⁰	2 ¹
2 3 4	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ²	1 ⁴	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ¹	1 ²	1 ⁶	1 ⁷	1 ⁴	1 ⁵
5	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ¹	1 ²	1 ¹	1 ²	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ¹	1 ²	1 ⁴	1 ⁵	1 ⁴	1 ⁵
6	1 ⁶	1 ⁷	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ²	1 ⁴	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ⁴	1 ⁵	1 ¹	1 ²	1 ⁴	1 ⁵	1 ⁴	1 ⁵
7	1 ²	1 ⁴	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ²	1 ⁵	0 ⁵	0 ⁶	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ¹	1 ²	1 ⁴	1 ⁵	1 ²	1 ⁴
8	1 ⁶	1 ⁷	1 ⁶	1 ⁷	1 ⁴	1 ⁵	1 ²	1 ⁵	1 ²	1 ⁴	1 ⁴	1 ⁵	1 ⁶	1 ⁷	1 ²	1 ⁴	1 ⁶	1 ⁷	1 ⁴	1 ⁵

UPPER AND LOWER CASE LETTER WIDTHS

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

NUMBER TO NUMBER

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

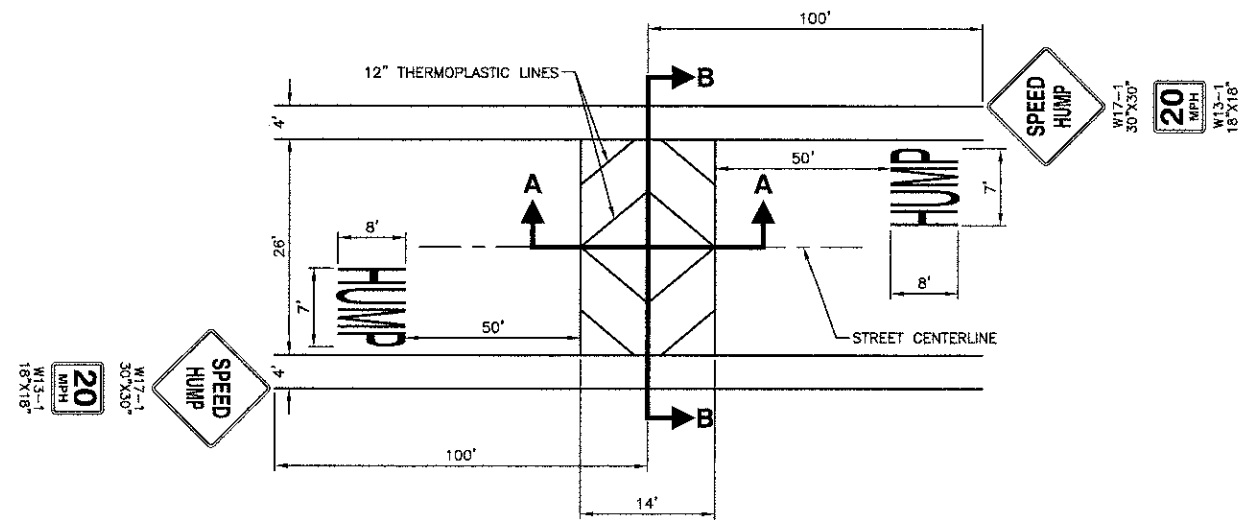


PIEZO DETAIL

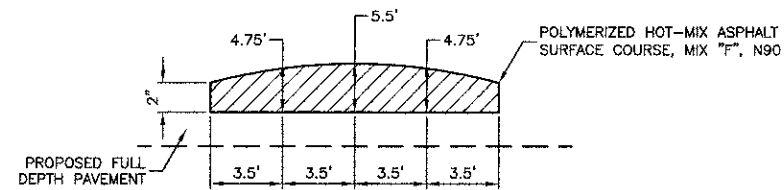
SCHEDULE OF QUANTITIES

ITEM	UNIT	QUAN
UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1 1/2" DIA.	FOOT	87
UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 3" DIA.	FOOT	85
HEAVY-DUTY HANDHOLE	EACH	3
CONCRETE FOUNDATION, TYPE D	FOOT	4
DETECTOR LOOP, SPECIAL	FOOT	440
PIEZO AXLE SENSOR, CLASS II	FOOT	44
SOLAR POWER ASSEMBLY	EACH	1
CONTROLLER CABINET TYPE III, SPECIAL	EACH	1
ELECTRIC CABLE IN CONDUIT, CONOGA-30003	FOOT	403

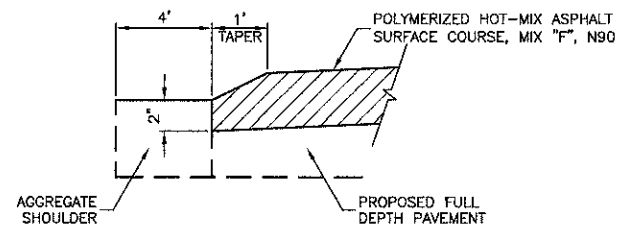
- NOTES:**
- ALL UNDERGROUND CONDUIT SHALL BE 1 1/2" UNLESS OTHERWISE SHOWN.
 - THE CONTRACTOR SHALL CONTACT MR. RAMON TAYLOR OF THE IDOT OP&P DATA MANAGEMENT LAB AT (217)782-2065 A MINIMUM OF 72 HOURS PRIOR TO INSTALLING THE PIEZO AXLE SENSORS. A REPRESENTATIVE OF THE OP&P MANAGEMENT LAB MUST BE PRESENT DURING INSTALLATION OF THE PIEZO AXLE SENSORS.



SPEED HUMP DETAIL (TYPICAL)



SECTION A-A
PARABOLIC CROWN



SECTION B-B
SHOULDER DETAIL

FILE NAME = 08361_02-DTLS-02 -IDOT P01

USER NAME =	DESIGNED -- WPD	REVISED --
	CHECKED -- PB	REVISED --
PLOT SCALE =	DRAWN -- ACAD	REVISED --
PLOT DATE = 02-28-13	CHECKED -- ACAD	REVISED --

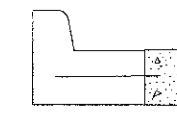
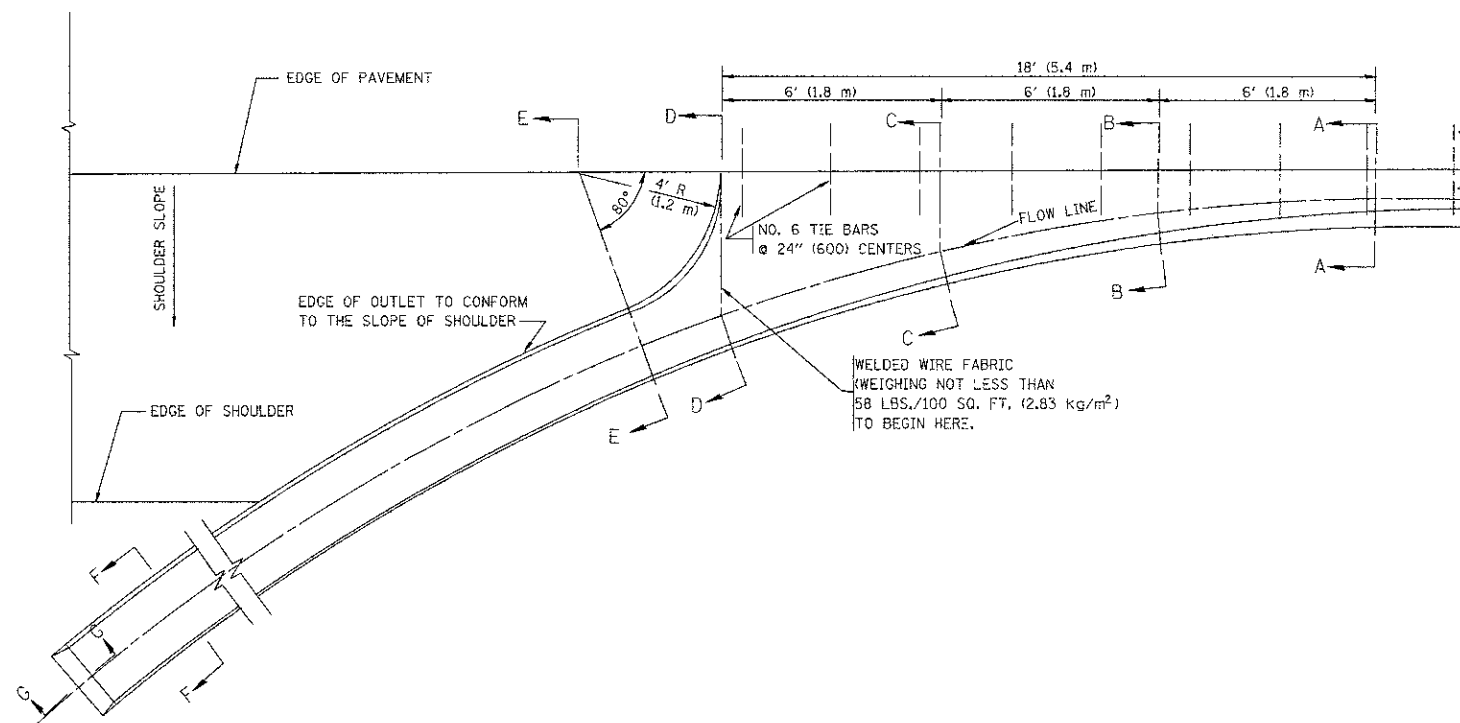
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION IMPROVEMENT
IL RTE 53 AT MATERIAL ROAD
CONSTRUCTION DETAILS

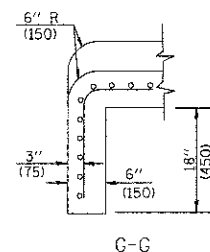
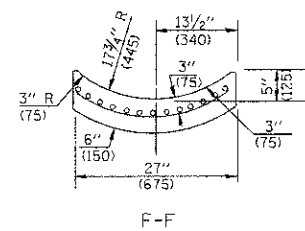
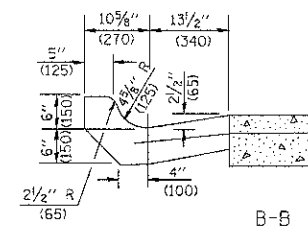
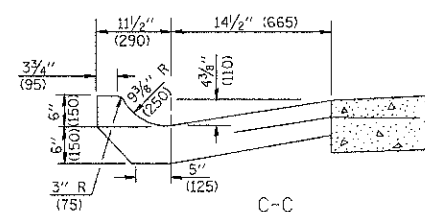
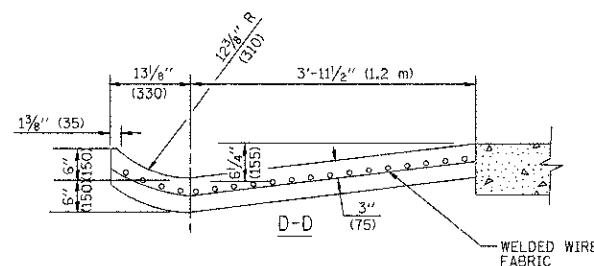
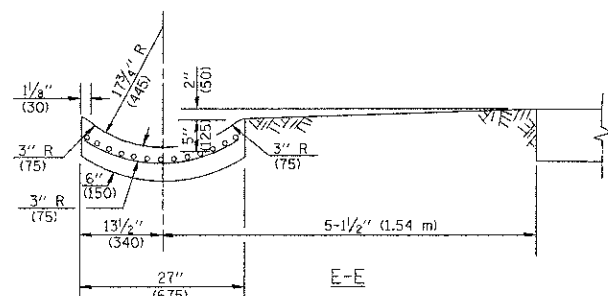
SCALE: NONE SHEET NO. 35 OF 54 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	09-00055-00-CH	WILL	54	35
CONTRACT NO. 63753				

FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(829)



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



GENERAL NOTES

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

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

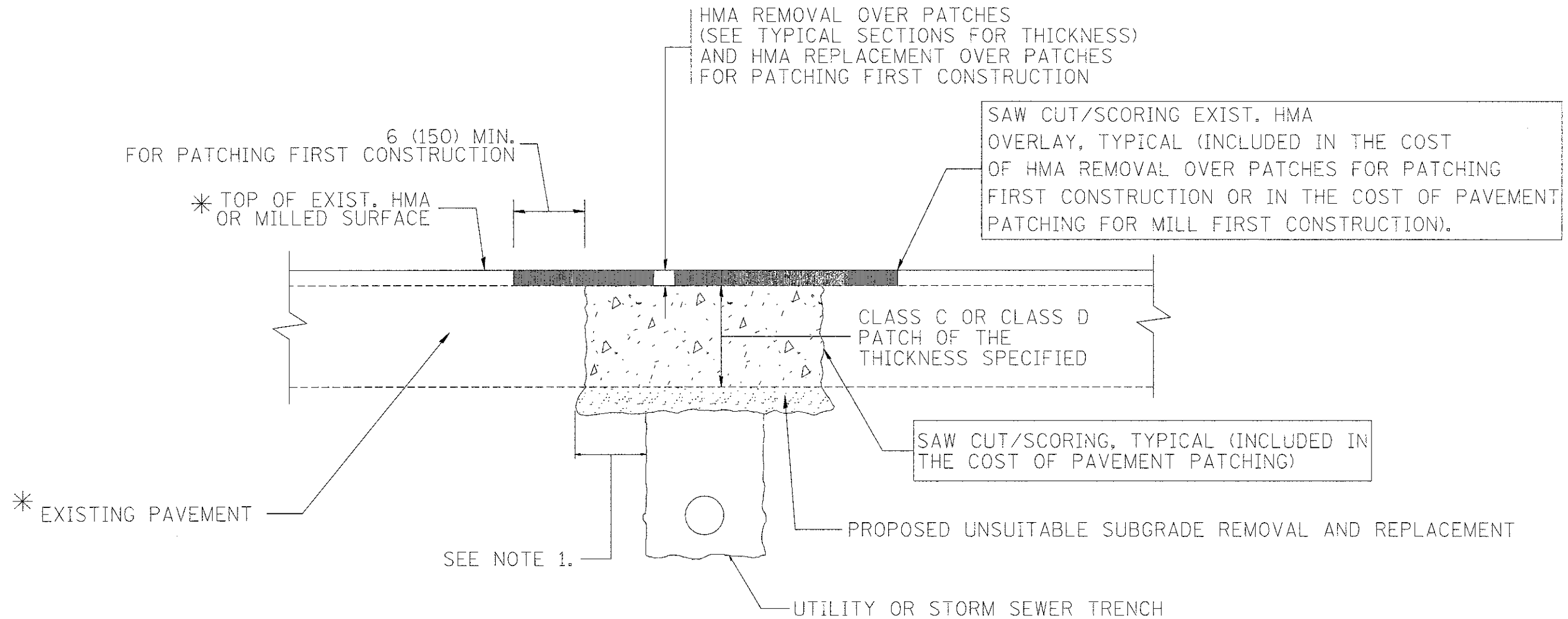
IF THE AVERAGE GRADE OF PAVEMENT FOR THE DISTANCE FROM SECTION A-A TO D-D EXCEEDS 2%, THIS DISTANCE SHALL BE INCREASED 6' (1.8 m) FOR EACH 1% INCREASE IN GRADE.

QUANTITIES

FOR SECTION A-A TO E-E AND CURTAIN WALL-
 1.25 CU. YDS. (0.96 m³) CLASS S1 CONCRETE (OUTLET) FOR 9" (225) PAV'T.
 1.27 CU. YDS. (0.96 m³) CLASS S1 CONCRETE (OUTLET) FOR 10" (250) PAV'T.
 FOR SECTION F-F-
 0.045 CU. YDS. (0.03 m³) CLASS S1 CONCRETE PER FT. (m).

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

FILE NAME = 08361_02-DTLS-04-BD03 - BD-03	USER NAME = ggglienobt	DESIGNED = M. DE YONG	REVISED = R. SHAH 09-09-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	OUTLET FOR CONCRETE CURB AND GUTTER	F.A.P. RTE. = 112	SECTION = 09-00055-00-CH	COUNTY = WILL	TOTAL SHEETS = 54	SHEET NO. = 36
	PLOT SCALE = 5/8" = 1' / IN.	DRAWN =	REVISED = R. SHAH 10-25-94			REVISED = E. GOMEZ 12-21-00	BD600-01 (BD-03)	CONTRACT NO. 63753		
PLOT DATE = 1/4/2006	CHECKED = 08-04-86	REVISED =	SCALE: NONE	SHEET NO. 36 OF 54 SHEETS	STA. N/A TO STA. N/A	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT M-9003(829)		



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

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

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

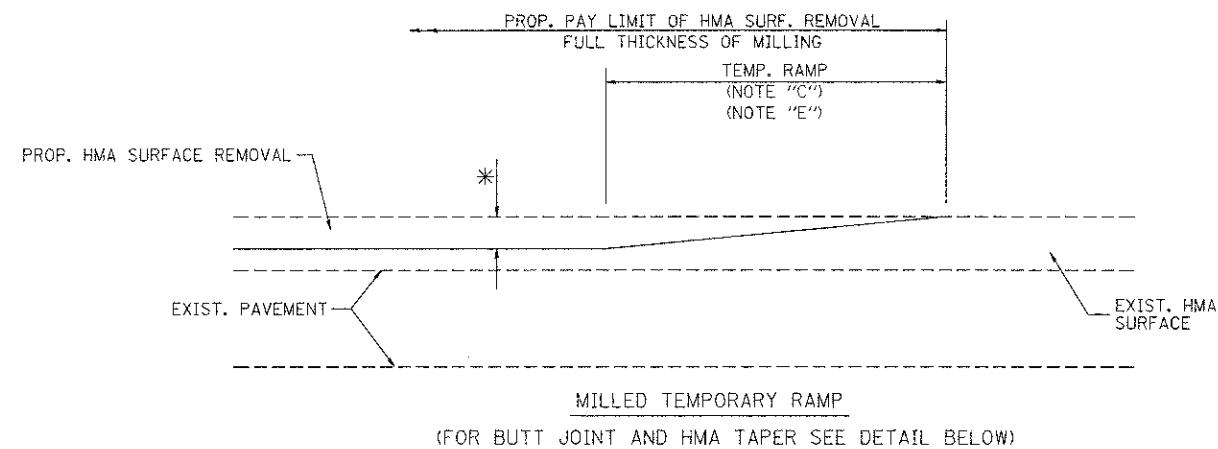
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

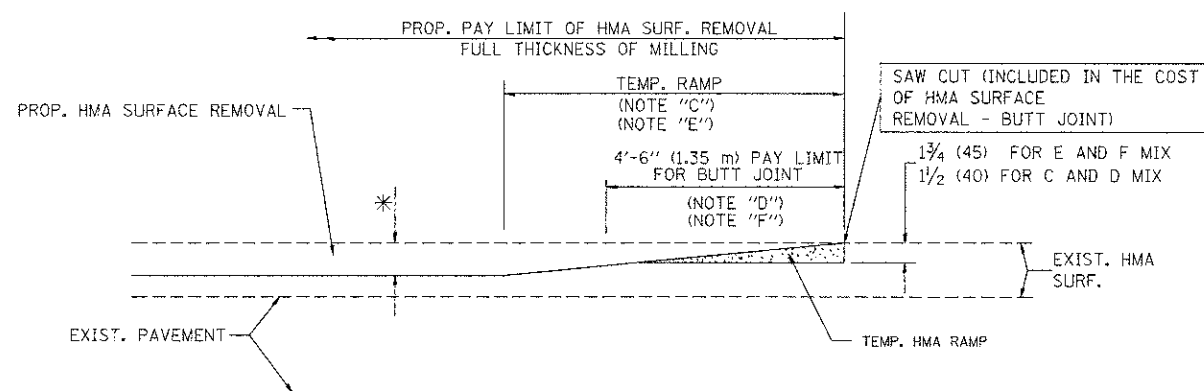
1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

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

FILE NAME = 08301_02-DTLS-04-BD22 - BD-22	USER NAME = bauerdl	DESIGNED -- R. SHAH	REVISED -- A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT	F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	CHECKED --	REVISOR -- R. BORO 01-01-07	112			09-00055-00.CH	WILL	54	37	
	PLOT SCALE = 50.000' / IN.	DRAWN --	REVISOR -- R. BORO 09-04-07			BD400-04 (BD-22)		CONTRACT NO. 63753		
	PLOT DATE = 10/27/2009	CHECKED -- 10-25-94	REVISOR -- K. ENG 10-27-08			SCALE:	SHEET NO. 37 OF 54 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(829)



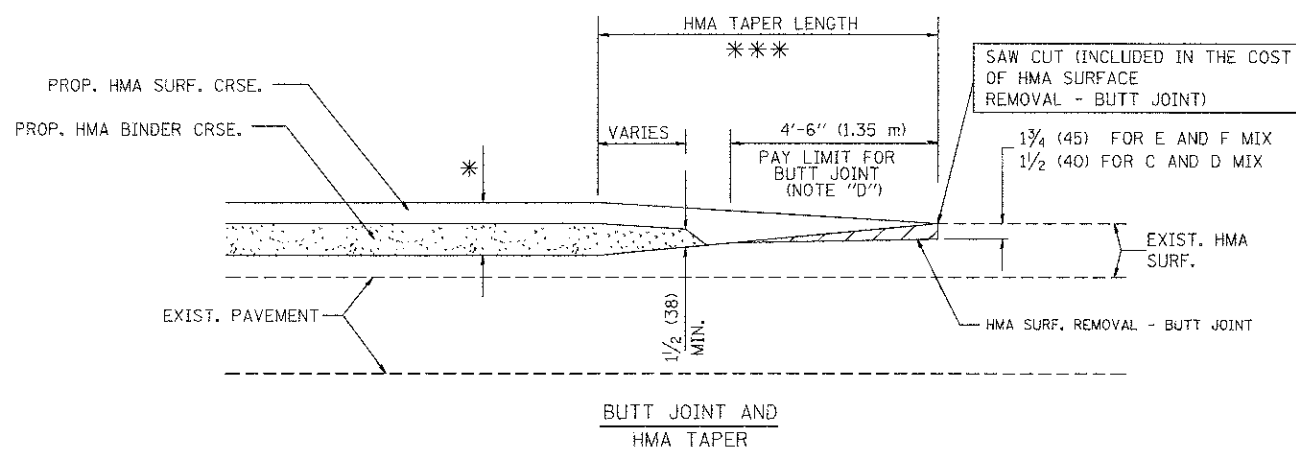
OPTION 1



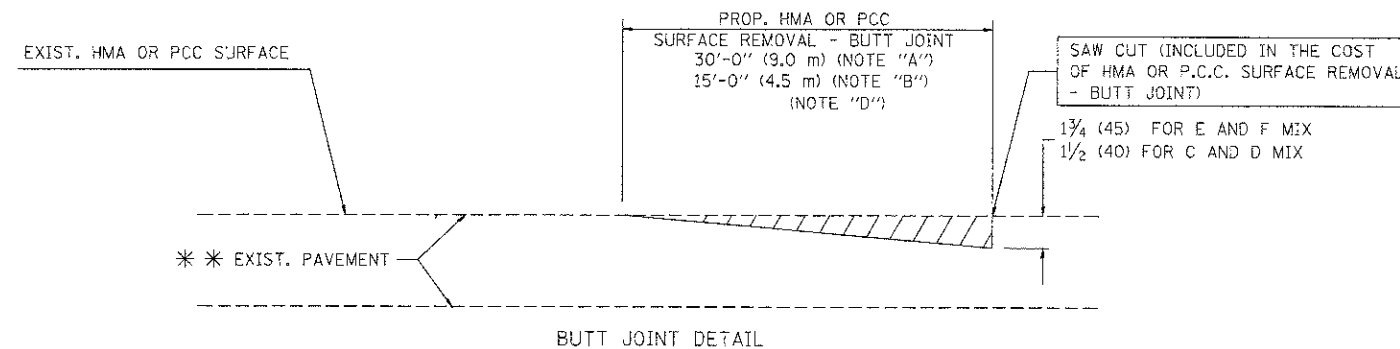
HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

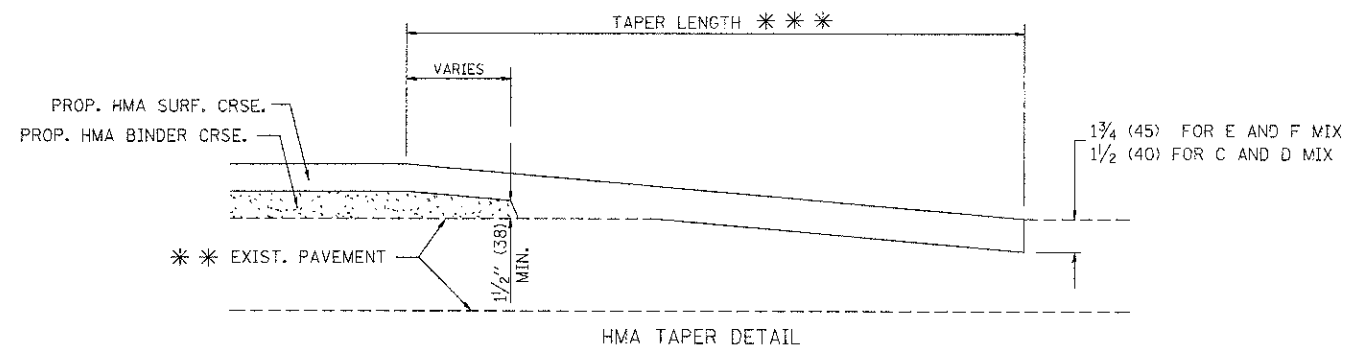
TYPICAL TEMPORARY RAMP



TYPICAL BUTT JOINT AND HMA TAPER
FOR MILLING AND RESURFACING



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER
FOR RESURFACING ONLY

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

NOTES

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

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.

FILE NAME = 08361_02-DTLS-04-9032 - 80-32

USER NAME = geglianobt	DESIGNED -- M. DE YONG	REVISED -- R. SHAH 10-25-94
PLOT SCALE = 50.0000' / IN.	CHECKED --	REVISED -- A. ABBAS 03-21-97
PLOT DATE = 1/4/2008	DRAWN --	REVISED -- M. GOMEZ 04-06-01
	CHECKED -- 06-13-90	REVISED -- R. BORO 01-01-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

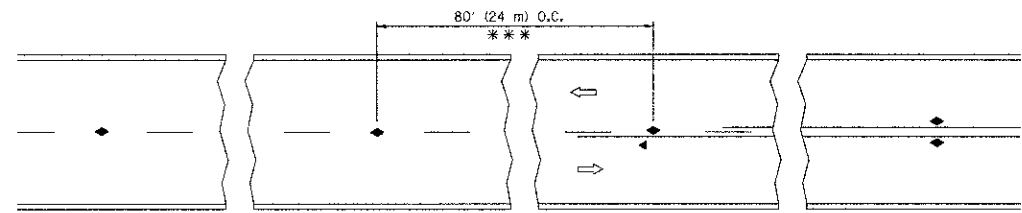
BUTT JOINT AND
HMA TAPER DETAILS

SCALE: 1"=50'

SHEET NO. 38 OF 54 SHEETS

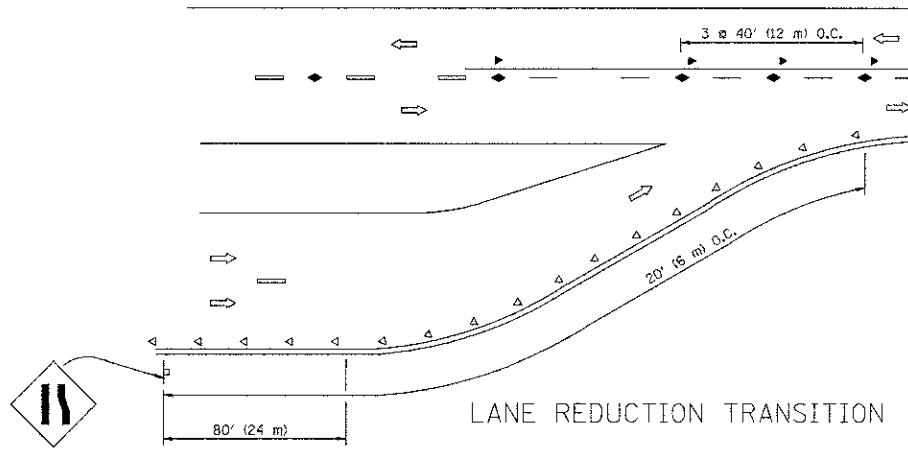
STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	09-00055-00-CH	WILL	54	38
BD400-05 BD32			CONTRACT NO. 83753	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-8003(829)				

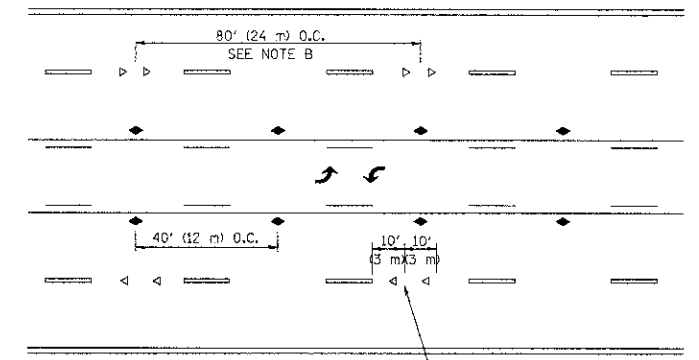


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

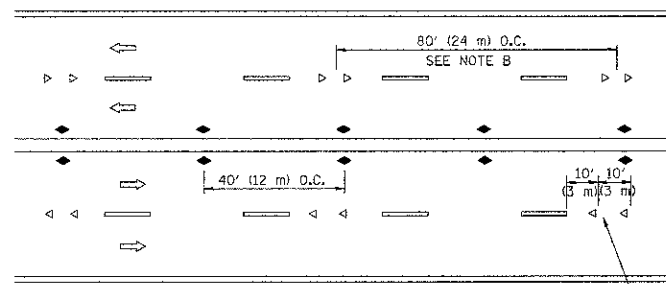
TWO-LANE/TWO-WAY



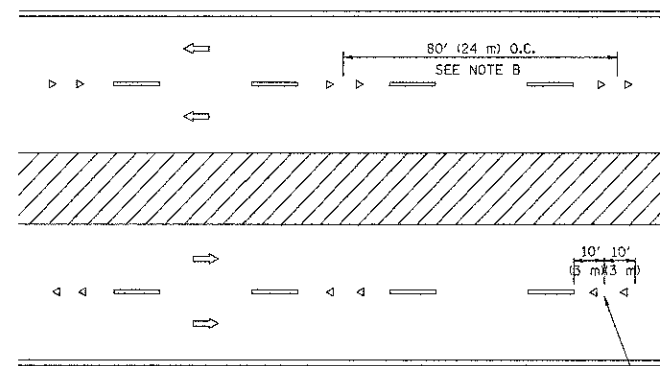
LANE REDUCTION TRANSITION



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

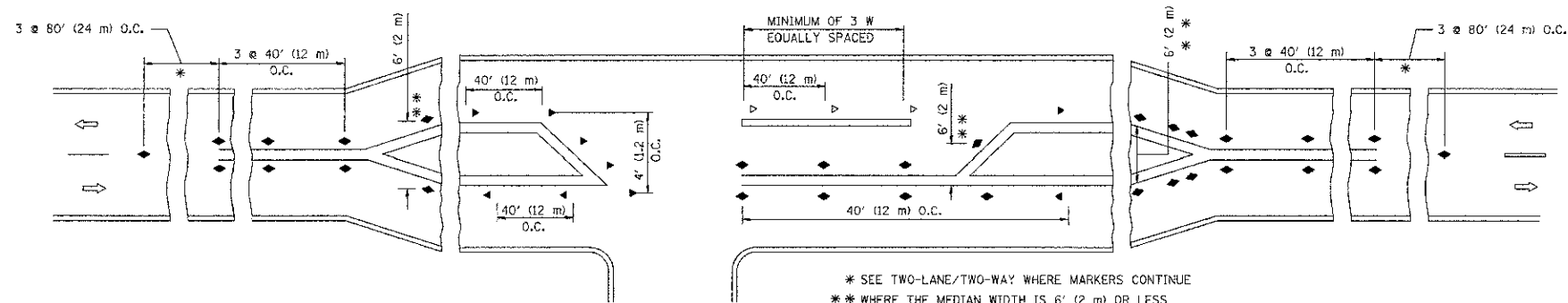
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- ◀ ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

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 SHOULD BE INCLUDED IN THE PLANS.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



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.

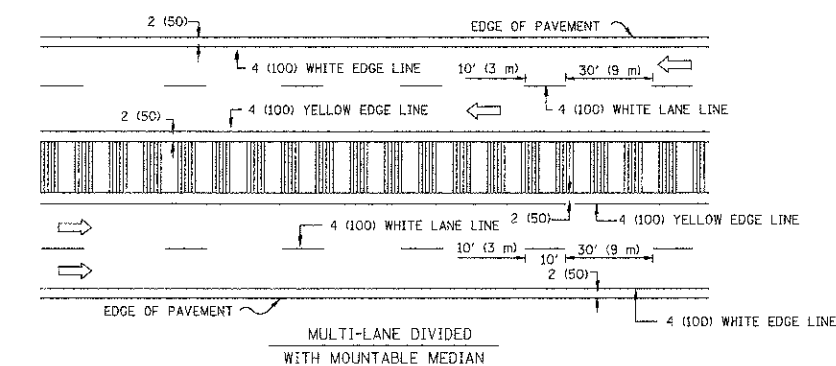
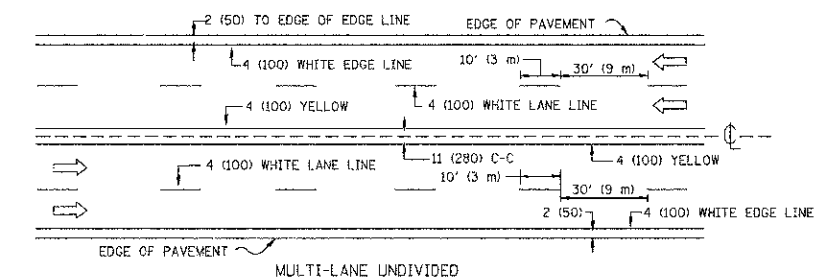
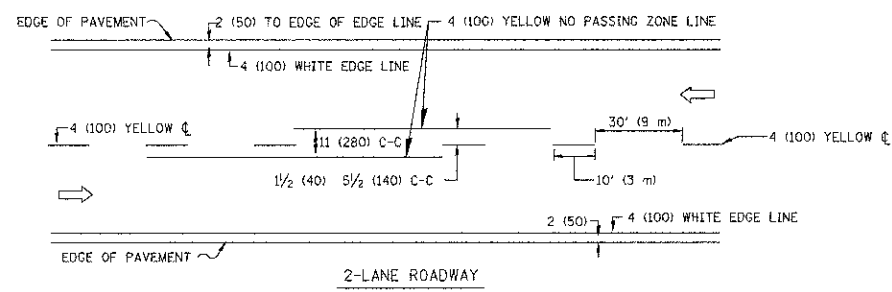
FILE NAME = 08361_02-DTLS-01-TC11 - TC-11

USER NAME = drsvkoasn	DESIGNED --	REVISED --T. RAMMACHER 09-19-94
	CHECKED --	REVISED --T. RAMMACHER 03-12-99
PLOT SCALE = 50.000 1/1 IN.	DRAWN --	REVISED --T. RAMMACHER 01-06-00
PLOT DATE = 9/9/2009	CHECKED --	REVISED --C. JUCIUS 09-09-09

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

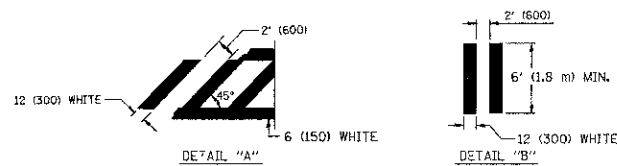
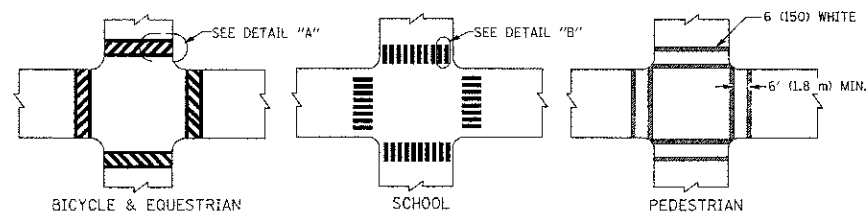
TYPICAL APPLICATIONS
 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)

SCALE:	SHEET NO. 39 OF 54 SHEETS	STA.	TO STA.	F.A.P. RTE. 112	SECTION 09-0085-00-CH	COUNTY WILL	TOTAL SHEETS 64	SHEET NO. 39
				TC-11		CONTRACT NO. 63753		
				FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(829)				

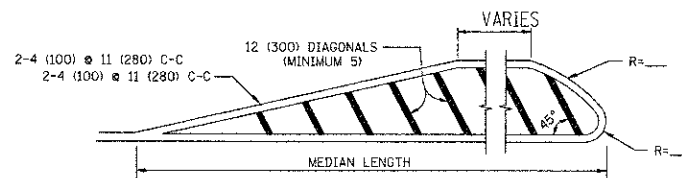
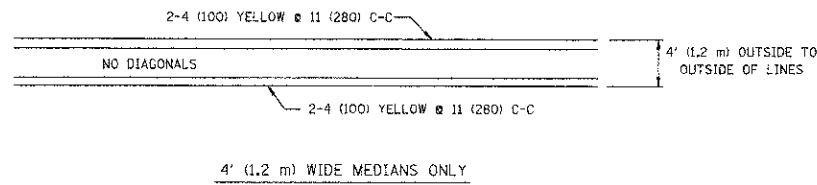


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING



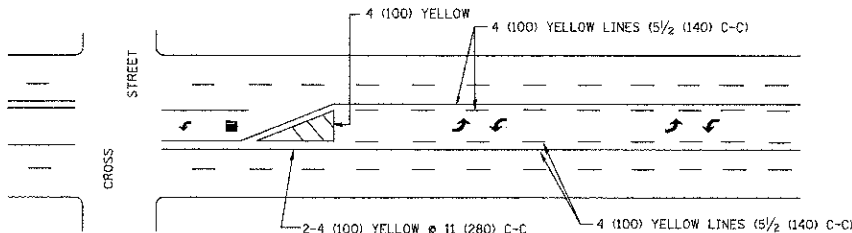
TYPICAL CROSSWALK MARKING



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

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

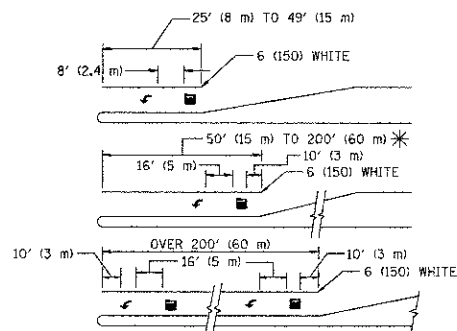
MEDIANS OVER 4' (1.2 m) WIDE



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

MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

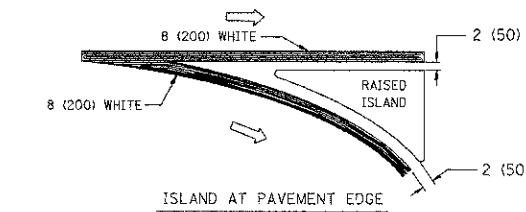
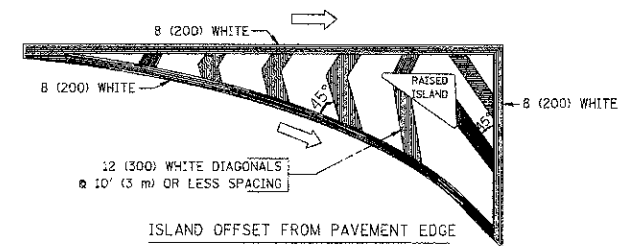


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

* 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 LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING

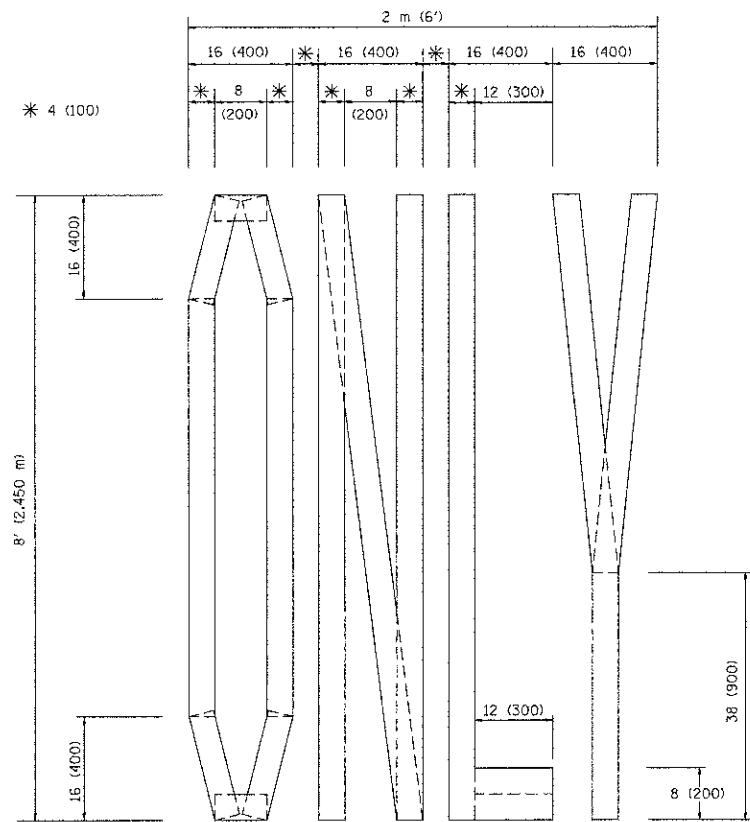


TYPICAL ISLAND MARKING

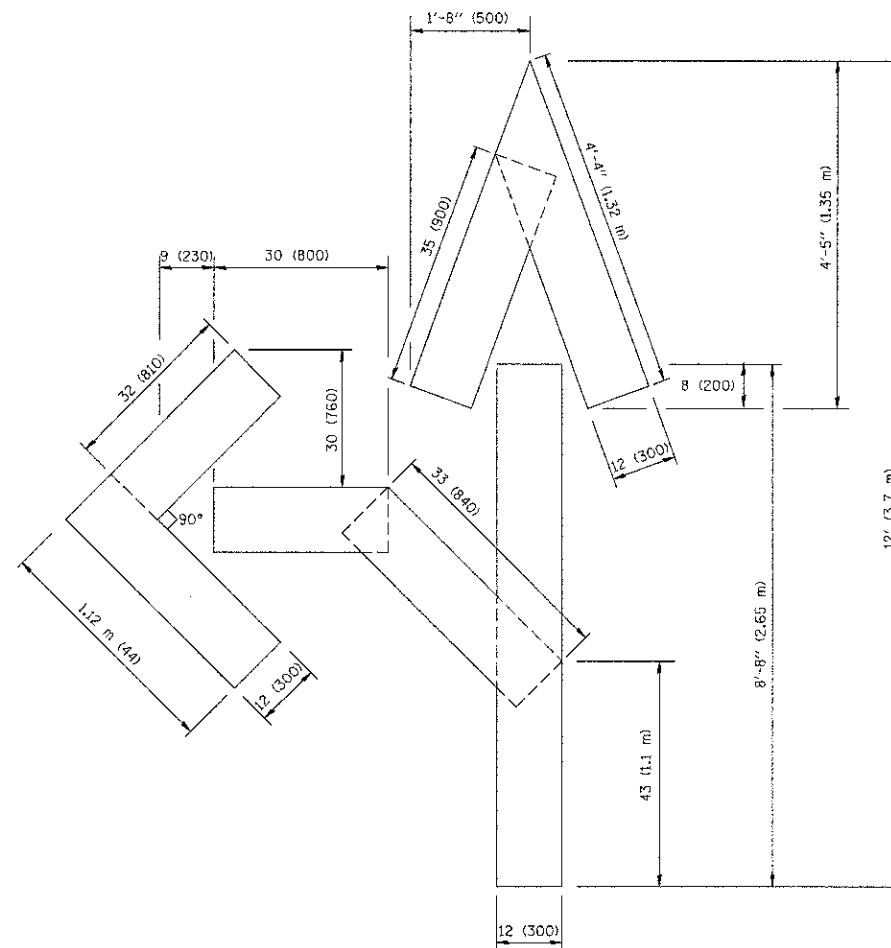
TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES FOR ONE DIRECTION	4 (100)	SOLID	YELLOW	5/2 (140) C-C FROM SKIP-DASH CENTERLINE
NO PASSING ZONE LINES FOR BOTH DIRECTIONS	2 @ 4 (100)	SOLID	YELLOW	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) LINES 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; 5/2 (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.

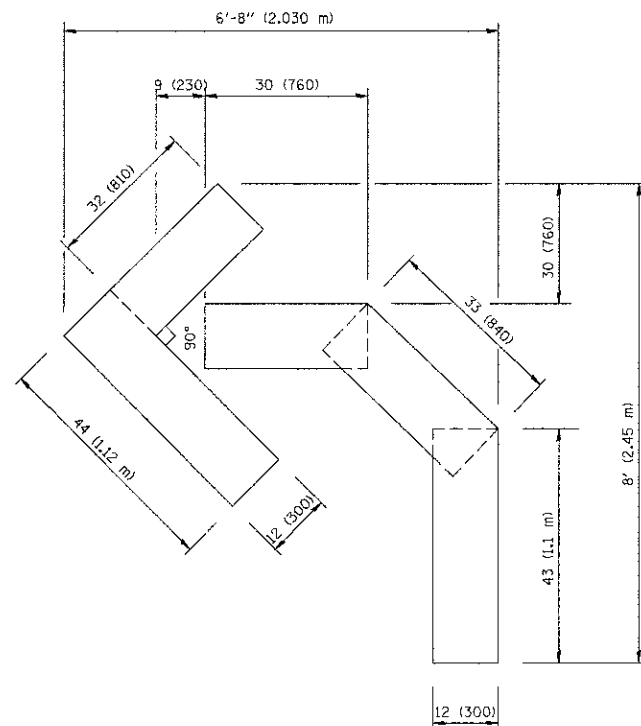
All dimensions are in inches (millimeters) unless otherwise shown.



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.

FILE NAME = 08361_02-DTLS-01-TC16 - TC-16

USER NAME = gaglianob
 PLOT SCALE = 50.0000 / IN.
 PLOT DATE = 1/4/2008

DESIGNED ---
 CHECKED ---
 DRAWN ---
 CHECKED --- 09-18-94

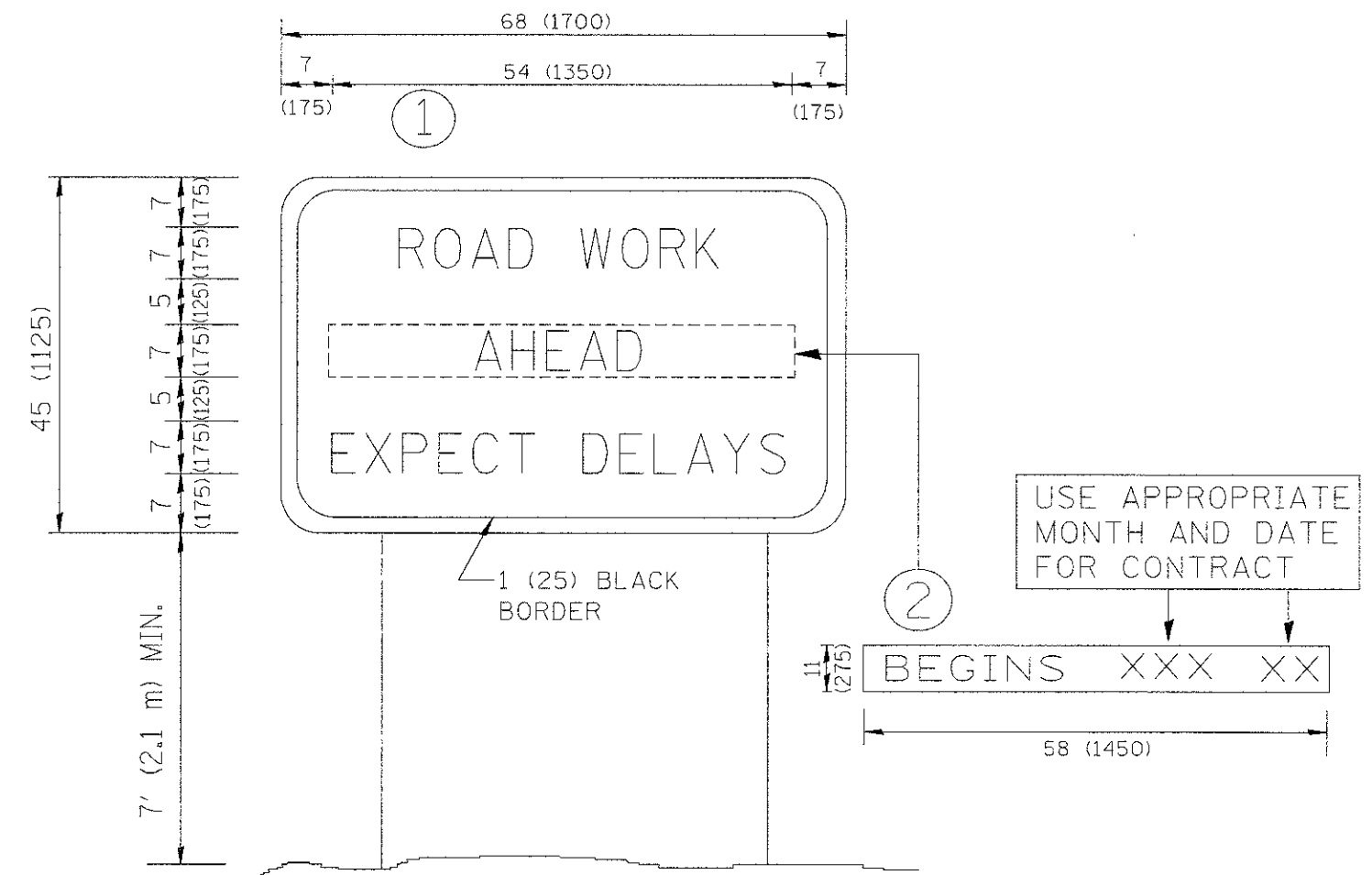
REVISED -T. RAMMACHER 06-05-96
 REVISED -T. RAMMACHER 11-04-97
 REVISED -T. RAMMACHER 03-02-98
 REVISED -E. GOMEZ 08-28-00

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING LETTERS AND SYMBOLS
 FOR TRAFFIC STAGING

SCALE: SHEET NO. 41 OF 54 SHEETS STA. TO STA.

F.A.P. RIE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	09-0055-00-CH	WILL	54	41
TC-16			CONTRACT NO. 63753	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(929)				



NOTES:

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

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

FILE NAME = 06981_02-DTL9-04-TC22 - TC-22	USER NAME = geglionobc	DESIGNED --	REVISED -- R. MIRS 09-15-97
		CHECKED --	REVISED -- R. MIRS 12-11-97
	PLOT SCALE = 50,000' / IN.	DRAWN --	REVISED -- J. RAMMACHER 02-02-99
	PLOT DATE = 1/4/2008	CHECKED --	REVISED -- C. JUCIUS 01-31-07

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

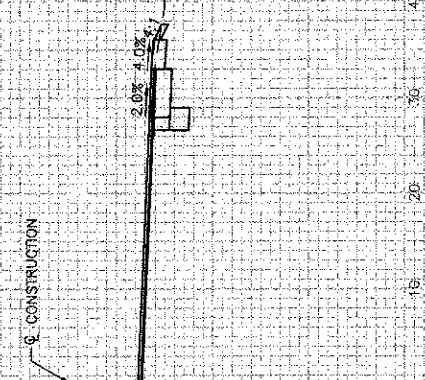
ARTERIAL ROAD
INFORMATION SIGN

SCALE: SHEET NO. 42 OF 64 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	09-00055-00-CH	WILL	64	42
TC-22			CONTRACT NO. 63753	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(B29)				

615
610
605
600
595

EXISTING ROW



16+00

C=23 F=0

608.87

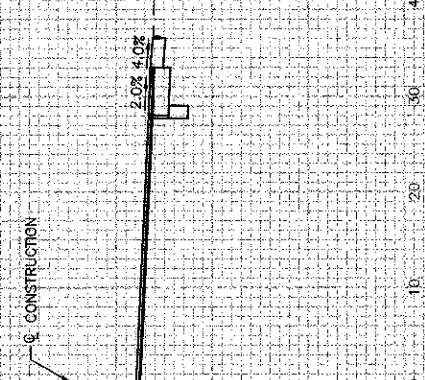
615
610
605
600
595

EXISTING ROW

615
610
605
600
595

615
610
605
600
595

EXISTING ROW



15+50

C=20 F=0

608.95

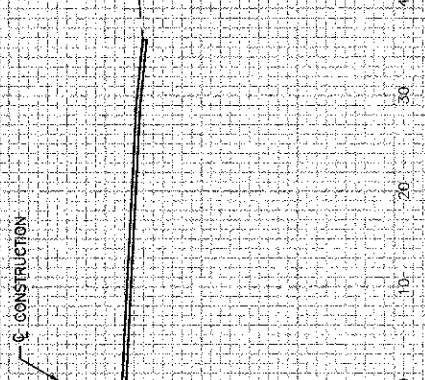
615
610
605
600
595

EXISTING ROW

615
610
605
600
595

615
610
605
600
595

EXISTING ROW



15+00

C=0 F=0

609.12

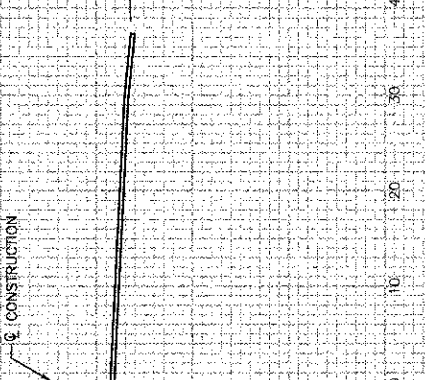
615
610
605
600
595

EXISTING ROW

615
610
605
600
595

615
610
605
600
595

EXISTING ROW



14+50

C=0 F=0

609.26

615
610
605
600
595

EXISTING ROW

615
610
605
600
595

FILE NAME = 08381_02-XSEC-01 - IDOT P01

USER NAME =	DESIGNED -- WPD	REVISED --
PLOT SCALE =	CHECKED -- PB	REVISED --
PLOT DATE = 02-26-13	DRAWN -- RG	REVISED --
	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION IMPROVEMENT
IL RTE 53 AT MATERIAL ROAD
CROSS SECTIONS

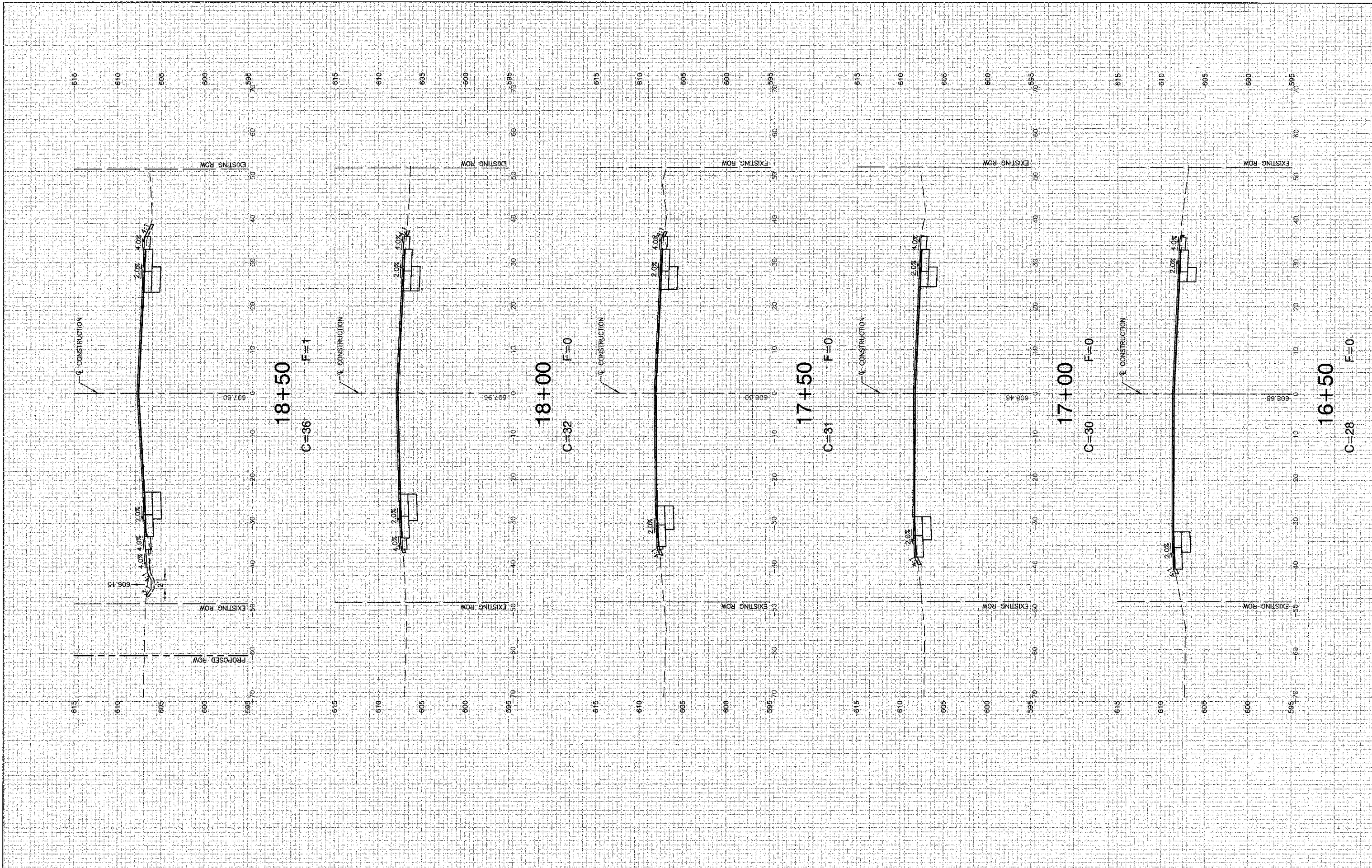
SCALE: H 1"=10' V 1"=5'

SHEET NO. 43 OF 54 SHEETS

STA. 14+50 TO STA. 16+00

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	09-00055-00-CH	WILL	54	43
FED. ROAD DIST. NO. 1 ILLINOIS			FED. AID PROJECT M-9003(829)	

CONTRACT NO. 63753



FILE NAME = 08361_02-XSEC-01 - IDOT P02
 USER NAME =
 PLOT SCALE =
 PLOT DATE = 02-28-13

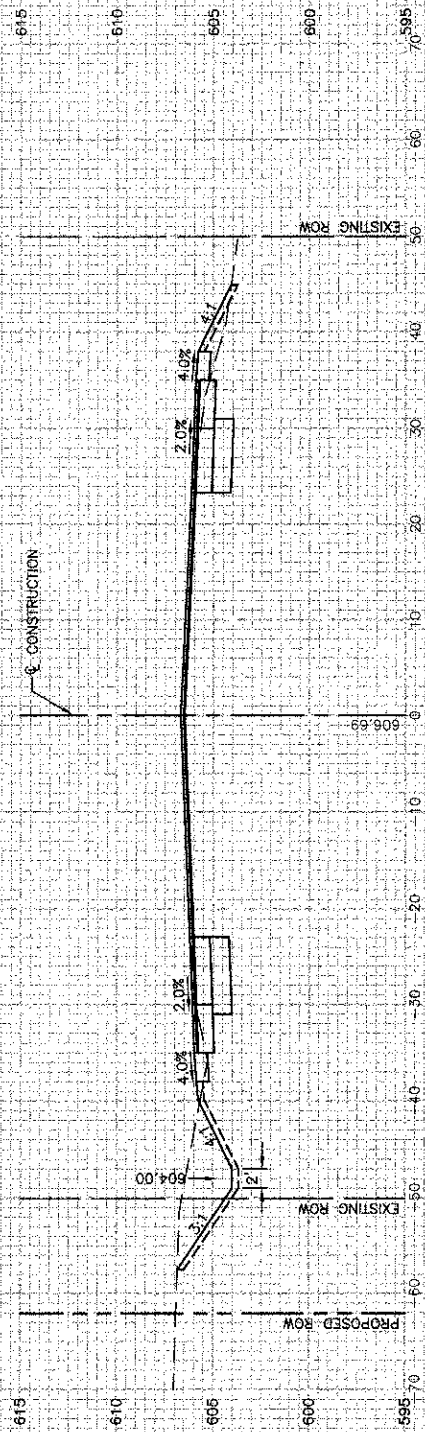
DESIGNED -- WPD	REVISED --
CHECKED -- PB	REVISED --
DRAWN -- RG	REVISED --
CHECKED -- AG	REVISED --

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

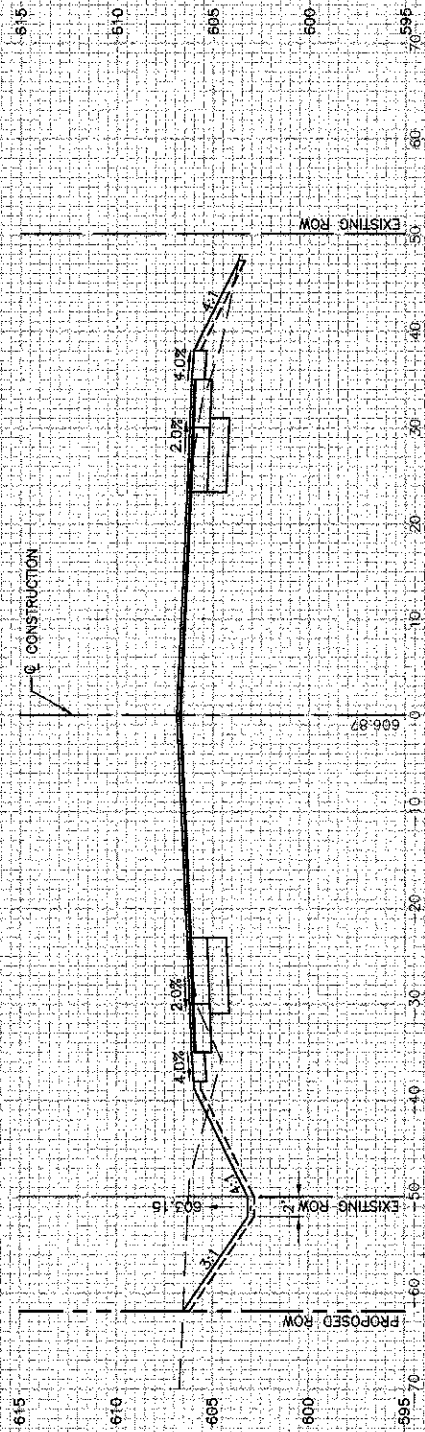
**INTERSECTION IMPROVEMENT
 IL RTE 53 AT MATERIAL ROAD
 CROSS SECTIONS**

SCALE: H 1"=10' V 1"=5'
 SHEET NO. 44 OF 54 SHEETS
 STA. 16+50 TO STA 18+50

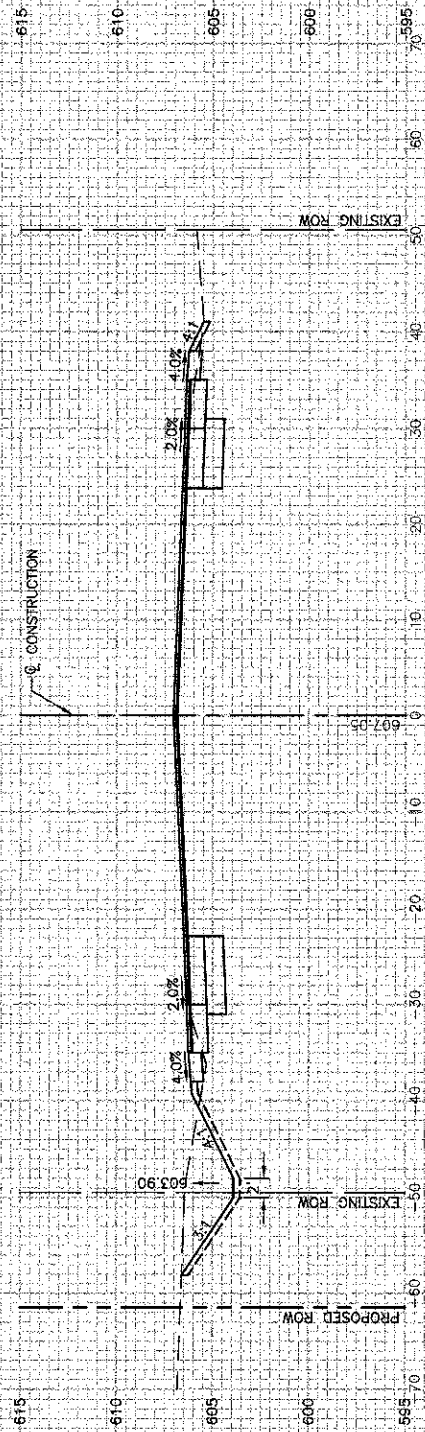
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	09-00055-00-CH	WILL	54	44
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-8003(B29)			CONTRACT NO. 63753	



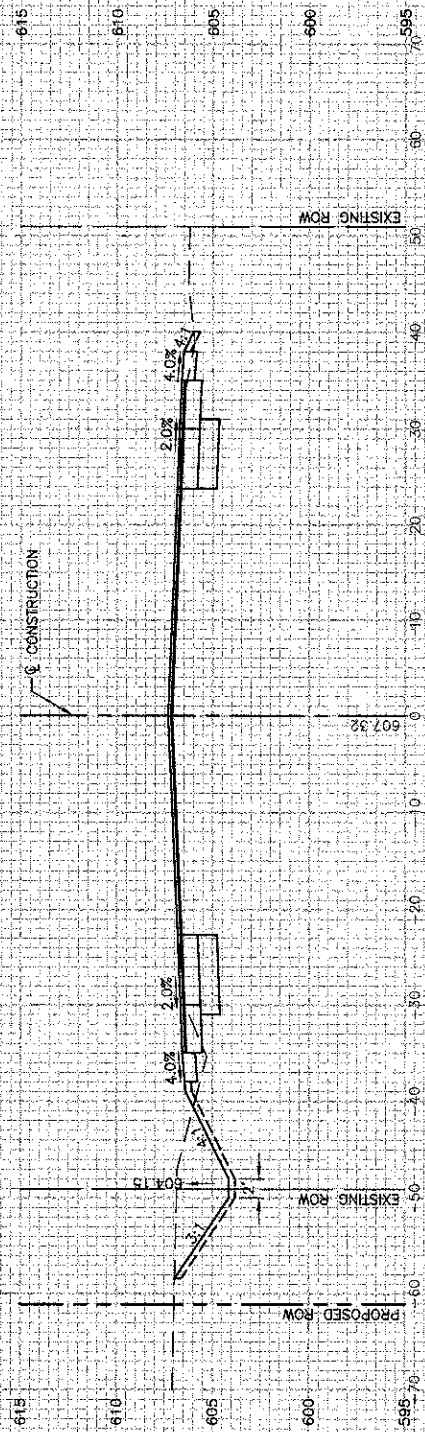
21+00
C=65 F=0



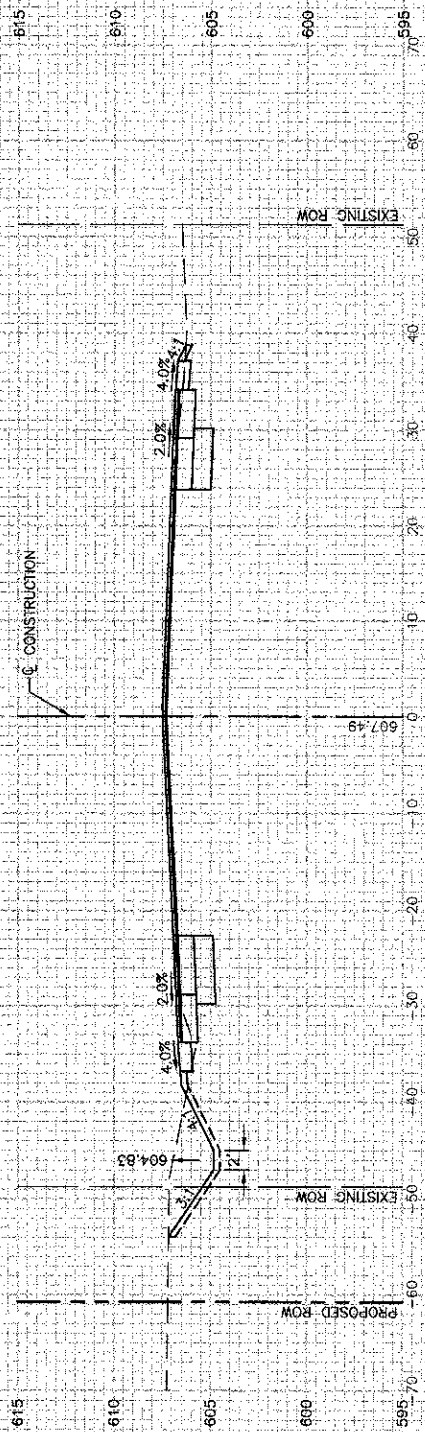
20+50
C=73 F=26



20+00
C=66 F=1



19+50
C=67 F=2



19+00
C=56 F=1

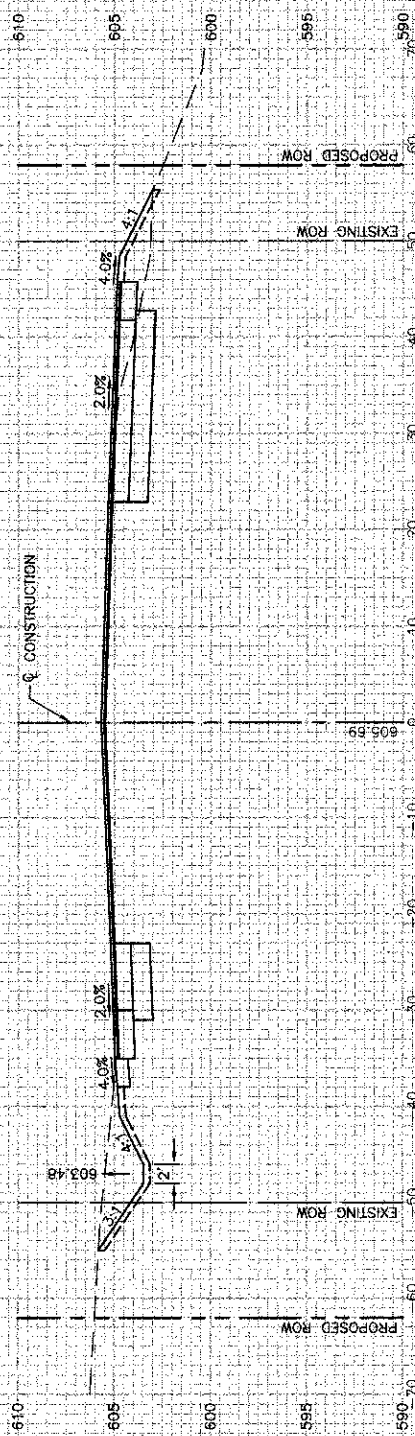
FILE NAME = 06361_02-XSEC-01 - IDOT P03

USER NAME =	DESIGNED -- WPD	REVISED --
PLOT SCALE =	CHECKED -- PB	REVISED --
PLOT DATE = 02-28-13	DRAWN -- RG	REVISED --
	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

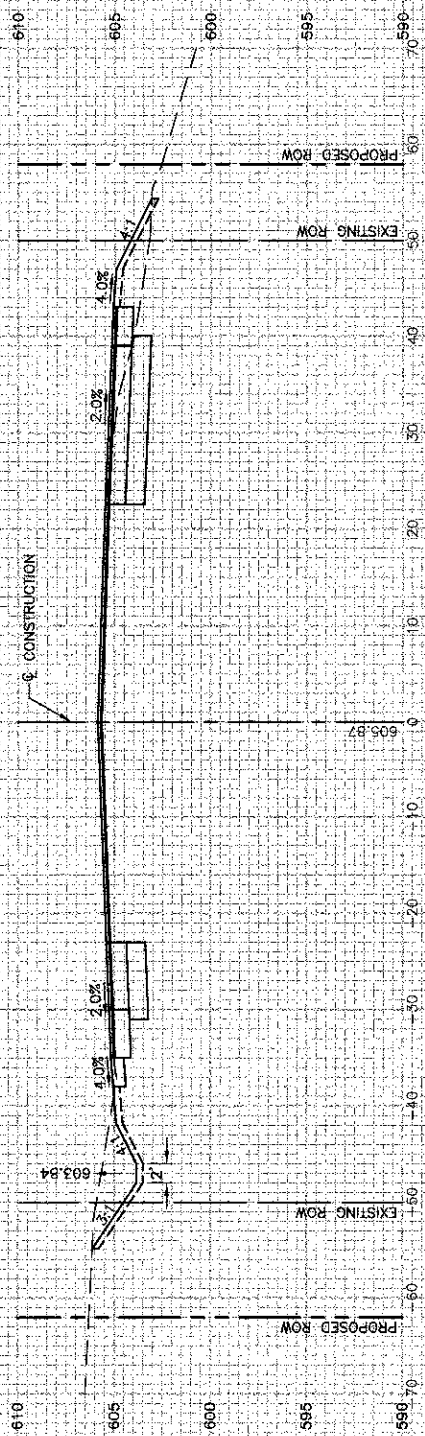
INTERSECTION IMPROVEMENT
IL RTE 53 AT MATERIAL ROAD
CROSS SECTIONS
SCALE: H 1"=10' V 1"=5'
SHEET NO. 45 OF 54 SHEETS
STA. 19+00 TO STA. 21+00

F.A.P. RTE. 112	SECTION 09-00055-00-CH	COUNTY WILL	TOTAL SHEETS 54	SHEET NO. 45
CONTRACT NO. 63753				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(829)				



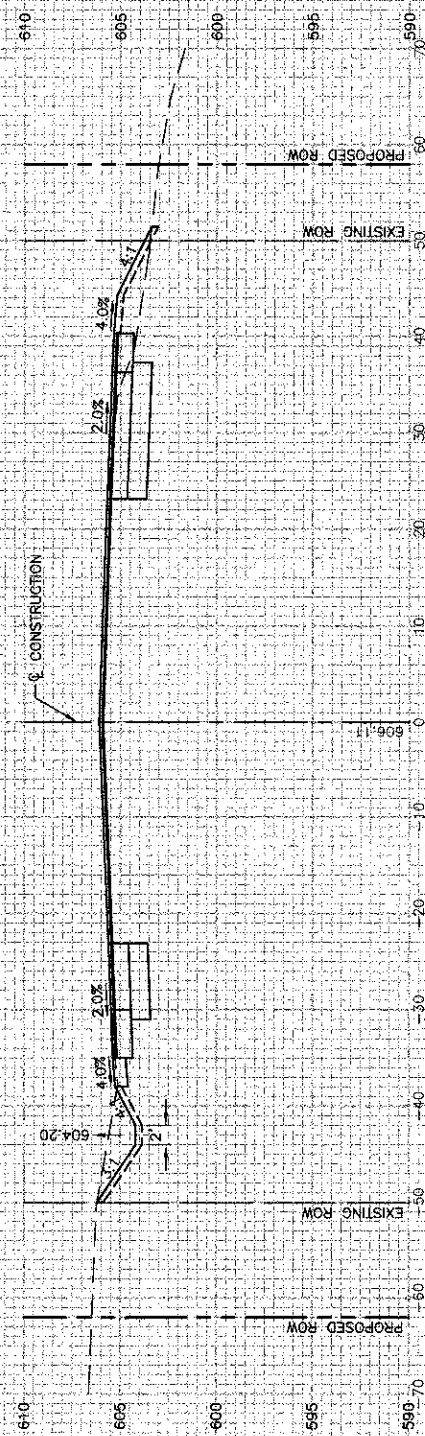
23+50

C=79 F=8



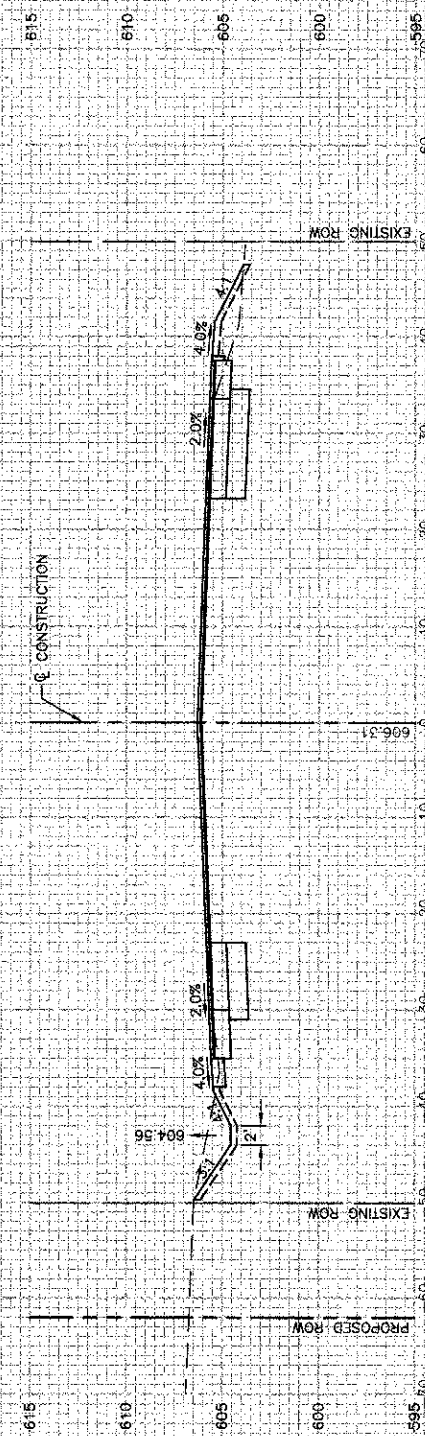
23+00

C=71 F=9



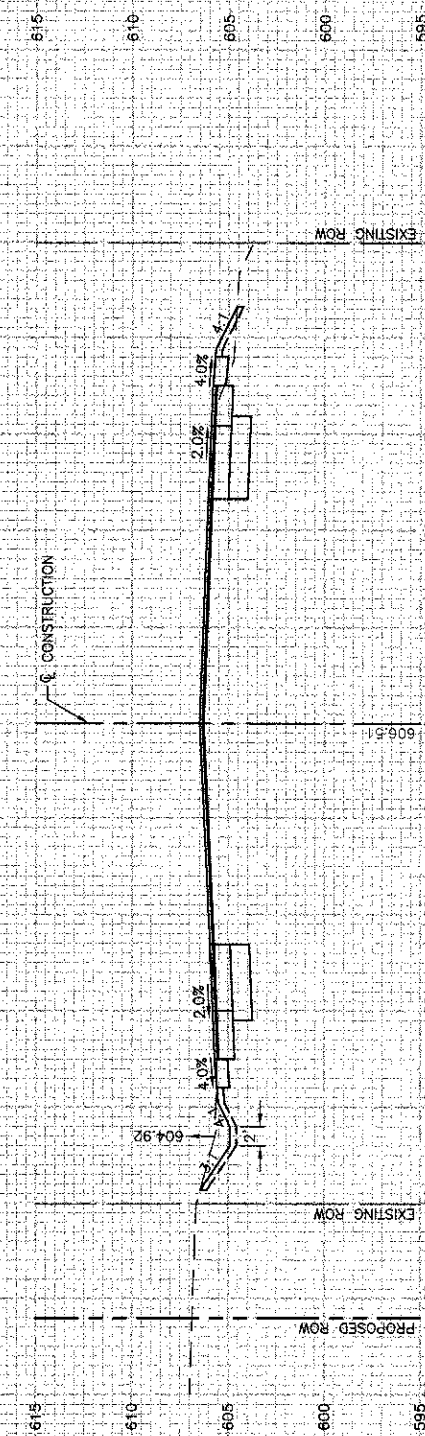
22+50

C=60 F=7



22+00

C=55 F=5



21+50

C=48 F=2

FILE NAME = 08361_02-XSEC-01 - IDOT.P04

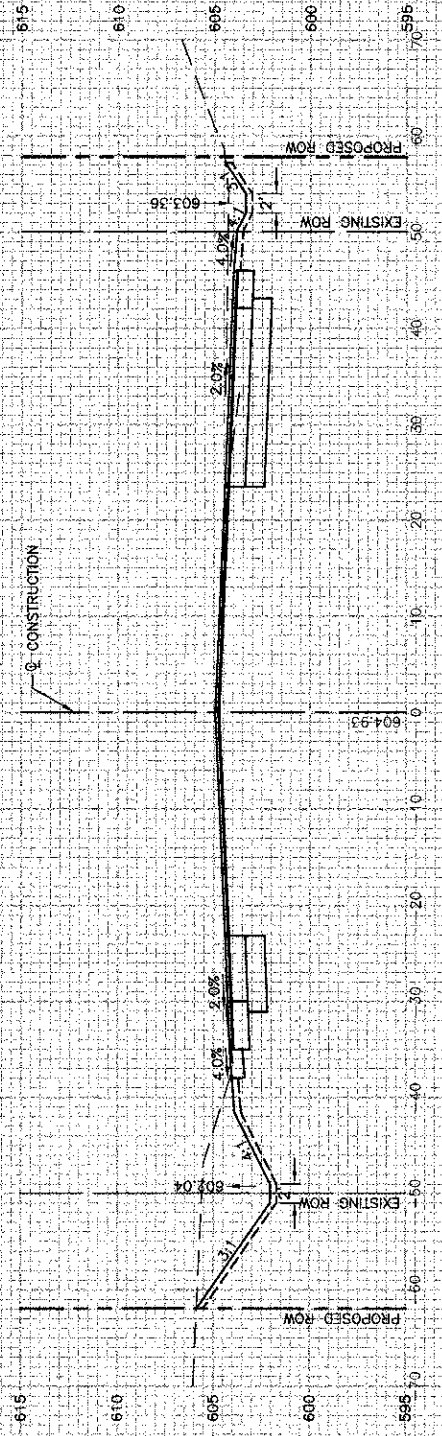
USER NAME =	DESIGNED -- WPD	REVISED --
PLOT SCALE =	CHECKED -- PB	REVISED --
PLOT DATE = 02-28-13	DRAWN -- RG	REVISED --
	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION IMPROVEMENT
IL RTE 53 AT MATERIAL ROAD
CROSS SECTIONS

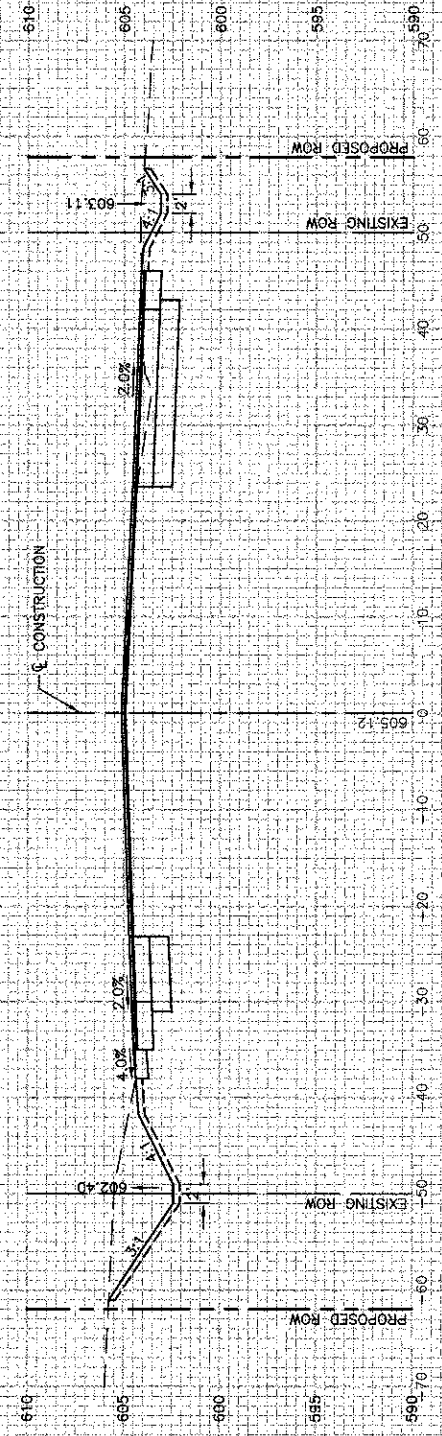
SCALE: H 1"=10' V 1"=5' SHEET NO. 46 OF 54 SHEETS STA. 21+50 TO STA. 23+50

F A P RTE 112	SECTION 09-00055-00-CH	COUNTY WILL	TOTAL SHEETS 54	SHEET NO. 46
FED. ROAD DIST. NO. 1 ILLINOIS			FED. AID PROJECT M-9009(829)	



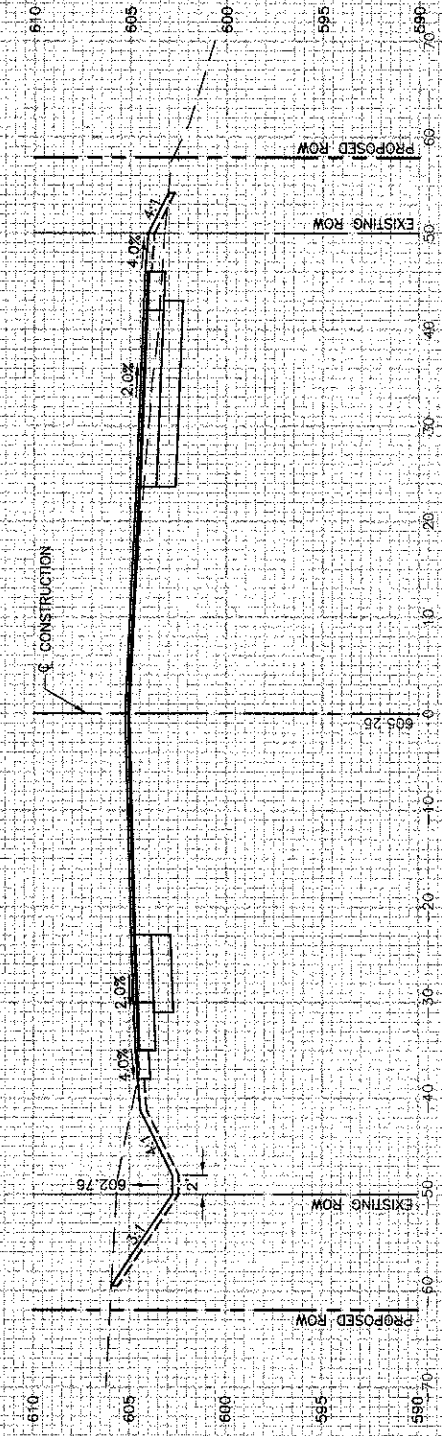
25+50

C=128 F=0



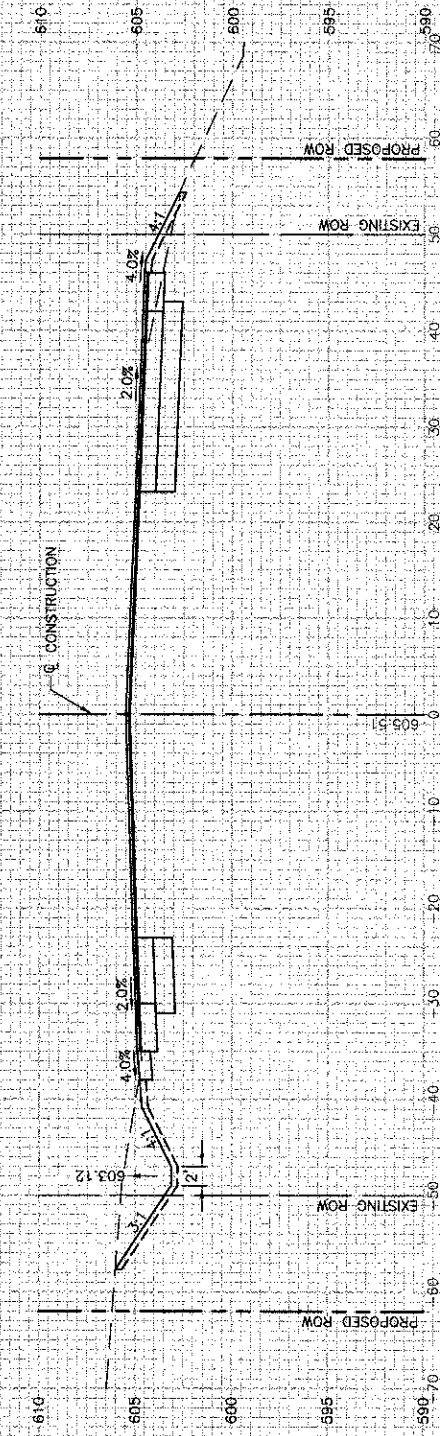
25+00

C=109 F=0



24+50

C=90 F=3



24+00

C=90 F=3

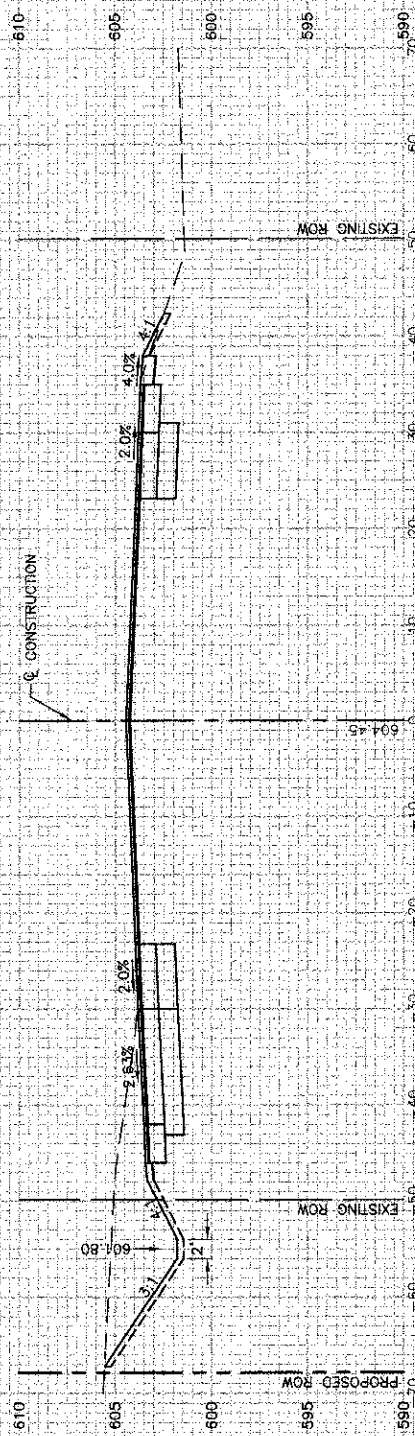
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USER NAME =	DESIGNED -- WPD	REVISED --
PLOT SCALE =	CHECKED -- PB	REVISED --
PLOT DATE = 02-28-13	DRAWN -- RG	REVISED --
	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION IMPROVEMENT
IL RTE 53 AT MATERIAL ROAD
CROSS SECTIONS
SCALE: H 1"=10' V 1"=5'
SHEET NO. 47 OF 54 SHEETS
STA. 24+00 TO STA. 25+50

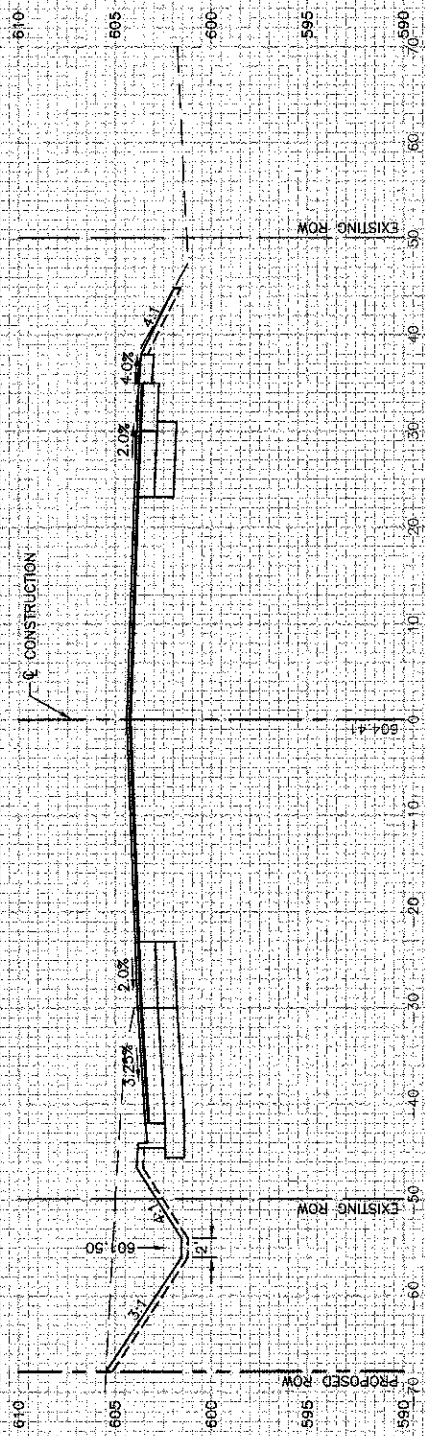
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	09-00055-00-CH	WILL	54	47
CONTRACT NO. 63753				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(829)				



28+50

C=130

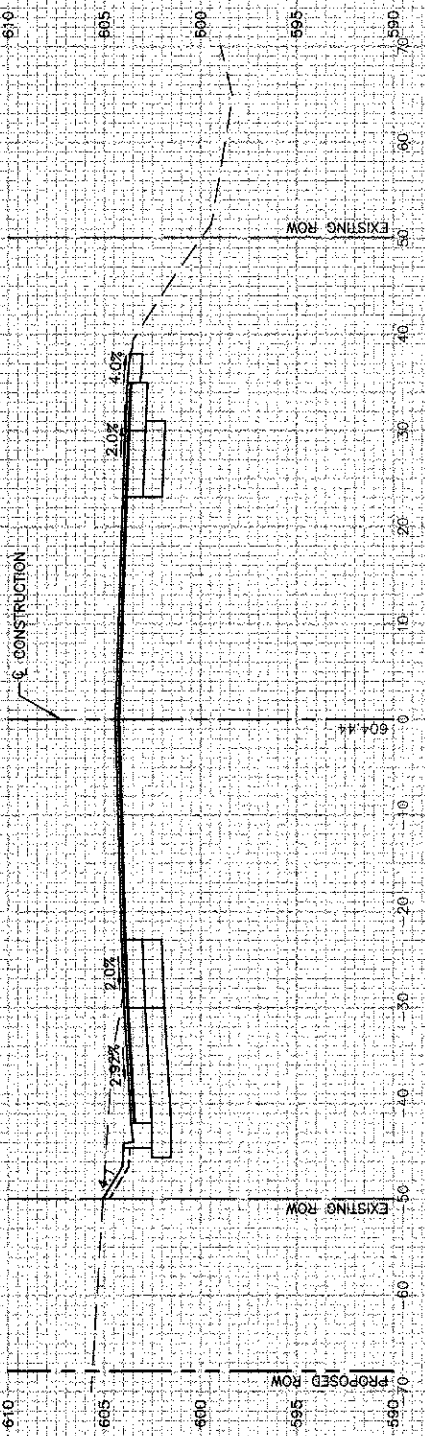
F=0



28+00

C=141

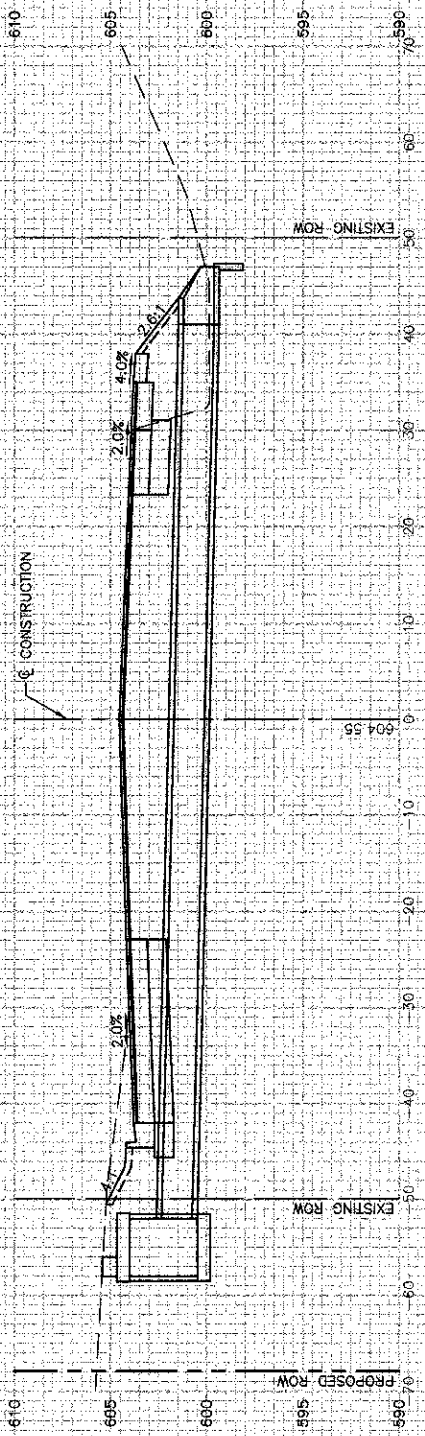
F=0



27+50

C=88

F=0



27+00

C=75

F=86

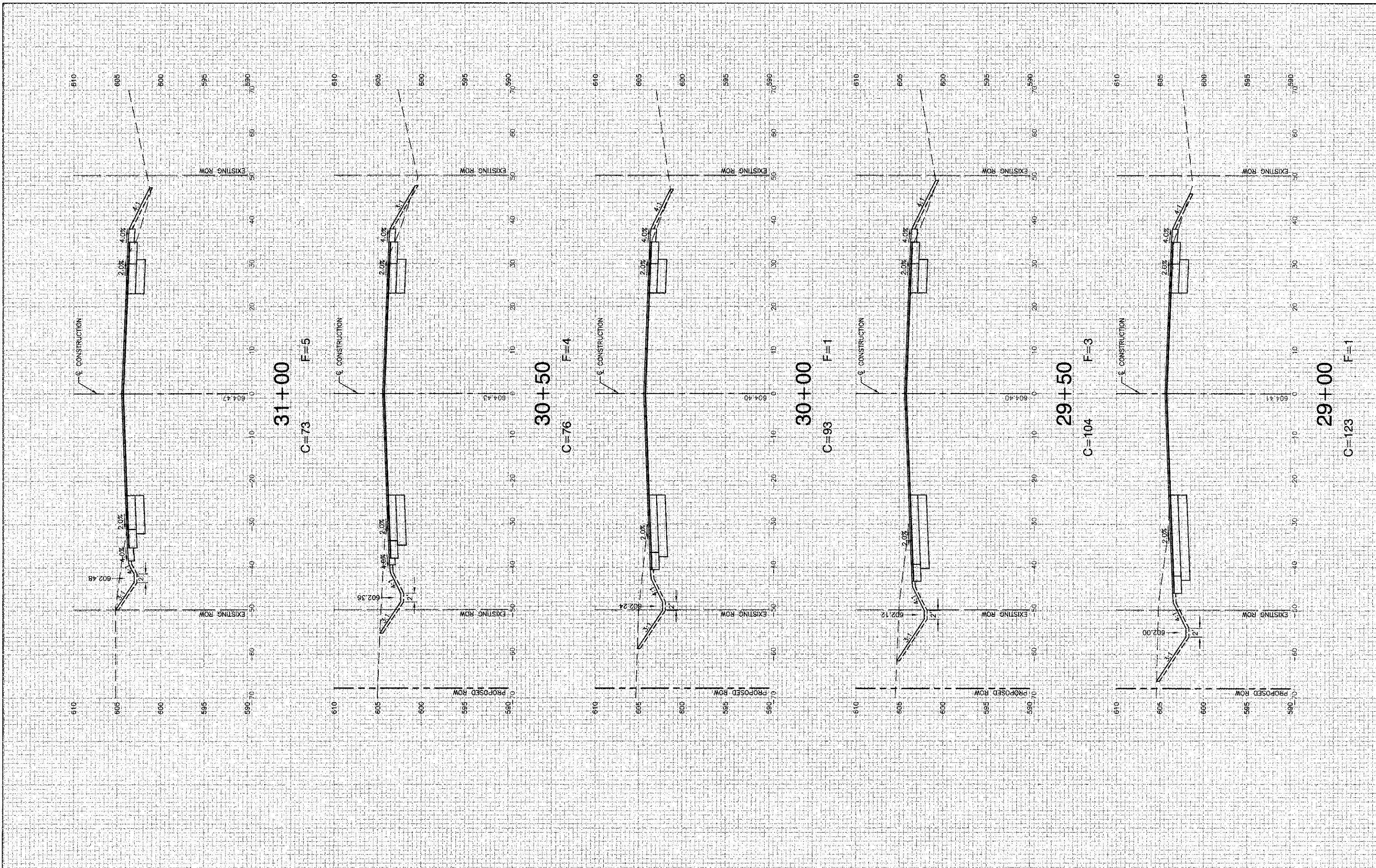
FILE NAME = 08361_02-XSEC-01 - IDOT P06

USER NAME =	DESIGNED -- WPD	REVISED --
	CHECKED -- PB	REVISED --
PLOT SCALE =	DRAWN -- RG	REVISED --
PLOT DATE = 02-28-13	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

INTERSECTION IMPROVEMENT
IL RTE 53 AT MATERIAL ROAD
CROSS SECTIONS
SCALE: H 1"=10' V 1"=5'
SHEET NO. 48 OF 54 SHEETS
STA. 27+00 TO STA. 28+50

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	09-00055-00-CH	WILL	54	48
CONTRACT NO. 63753				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(829)				



FILE NAME = 08381_02-XSEC-01 - I.DOT P07

USER NAME =	DESIGNED -- WPD	REVISED --
PLOT SCALE =	CHECKED -- PB	REVISED --
PLOT DATE = 02-28-13	DRAWN -- RG	REVISED --
	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

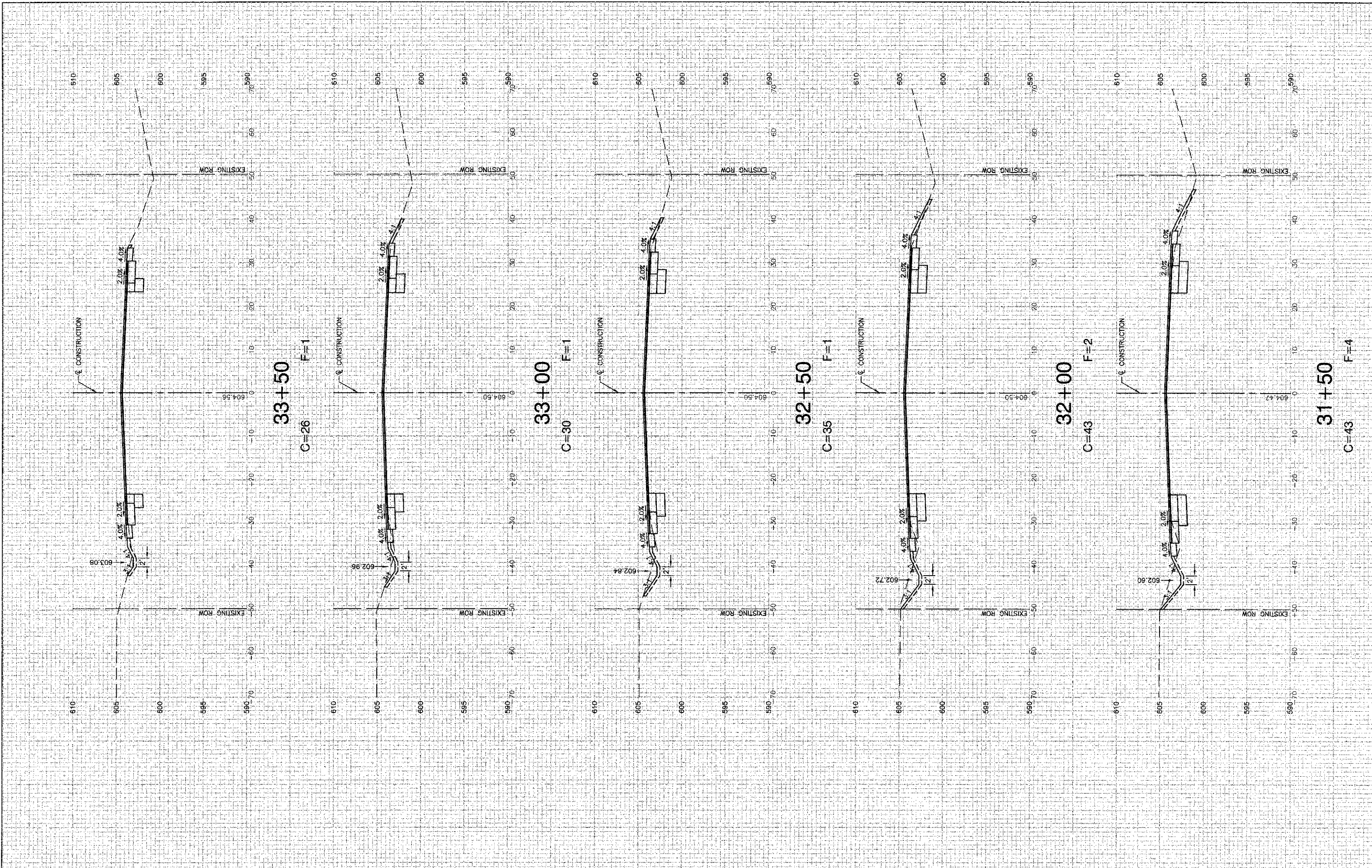
INTERSECTION IMPROVEMENT
IL RTE 53 AT MATERIAL ROAD
CROSS SECTIONS

SCALE: H 1"=10' V 1"=5'

SHEET NO. 49 OF 54 SHEETS

STA. 29+00 TO STA. 31+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	09-00055-00-CH	WILL	54	49
FED. ROAD DIST. NO. 1 ILLINOIS			FED. AID PROJECT M-9003(029)	
			CONTRACT NO. 63753	



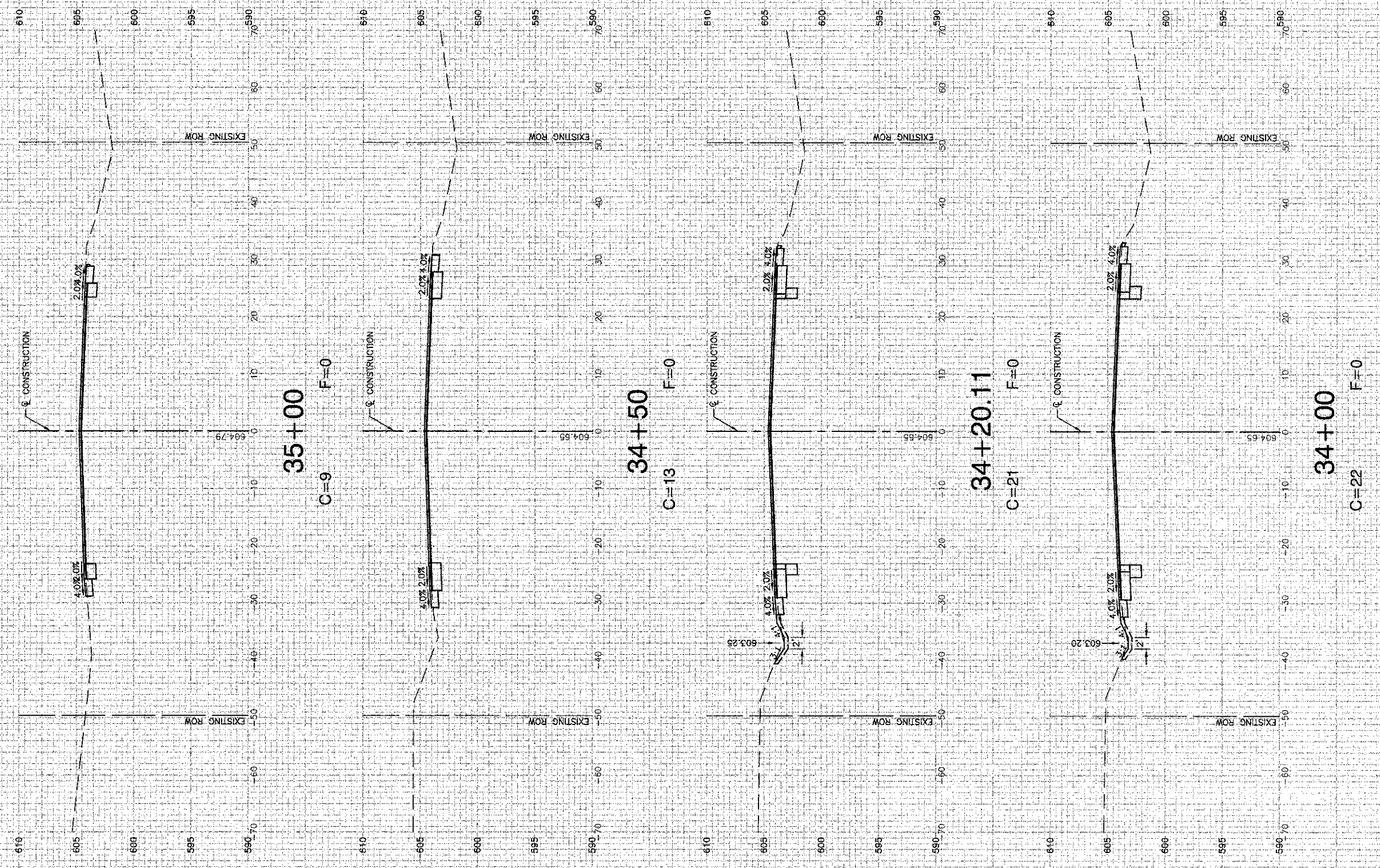
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 USER NAME =
 PLOT SCALE =
 PLOT DATE = 02-26-13

DESIGNED -- WPD	REVISED --
CHECKED -- PB	REVISED --
DRAWN -- RG	REVISED --
CHECKED -- AG	REVISED --

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

INTERSECTION IMPROVEMENT
 IL RTE 53 AT MATERIAL ROAD
 CROSS SECTIONS
 SCALE: H 1"=10' V 1"=5'
 SHEET NO. 50 OF 54 SHEETS
 STA. 31+50 TO STA. 33+50

F.A.P. RTE. 112	SECTION 09-00055-00-CH	COUNTY WILL	TOTAL SHEETS 54	SHEET NO. 50
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT M-9003(B29)	



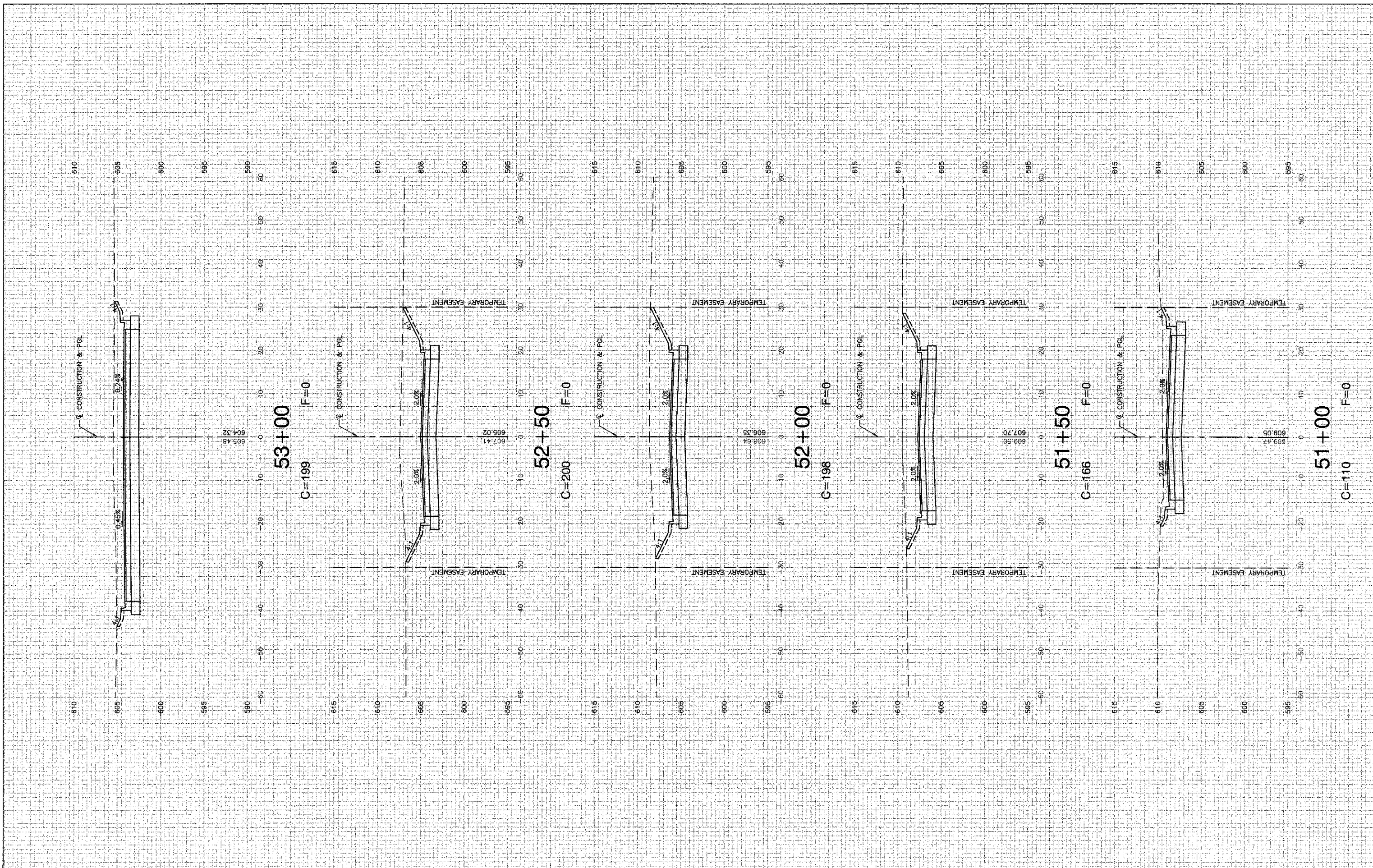
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	PLOT SCALE =	CHECKED -- PB	REVISED --
	PLOT DATE = 02-28-13	DRAWN -- RG	REVISED --
		CHECKED -- AG	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTERSECTION IMPROVEMENT
IL RTE 53 AT MATERIAL ROAD
CROSS SECTIONS**

SCALE: H 1"=10' V 1"=5' SHEET NO. 51 OF 54 SHEETS STA. 34+00 TO STA. 35+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	09-00055-00-CH	WILL	54	51
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(B29)				



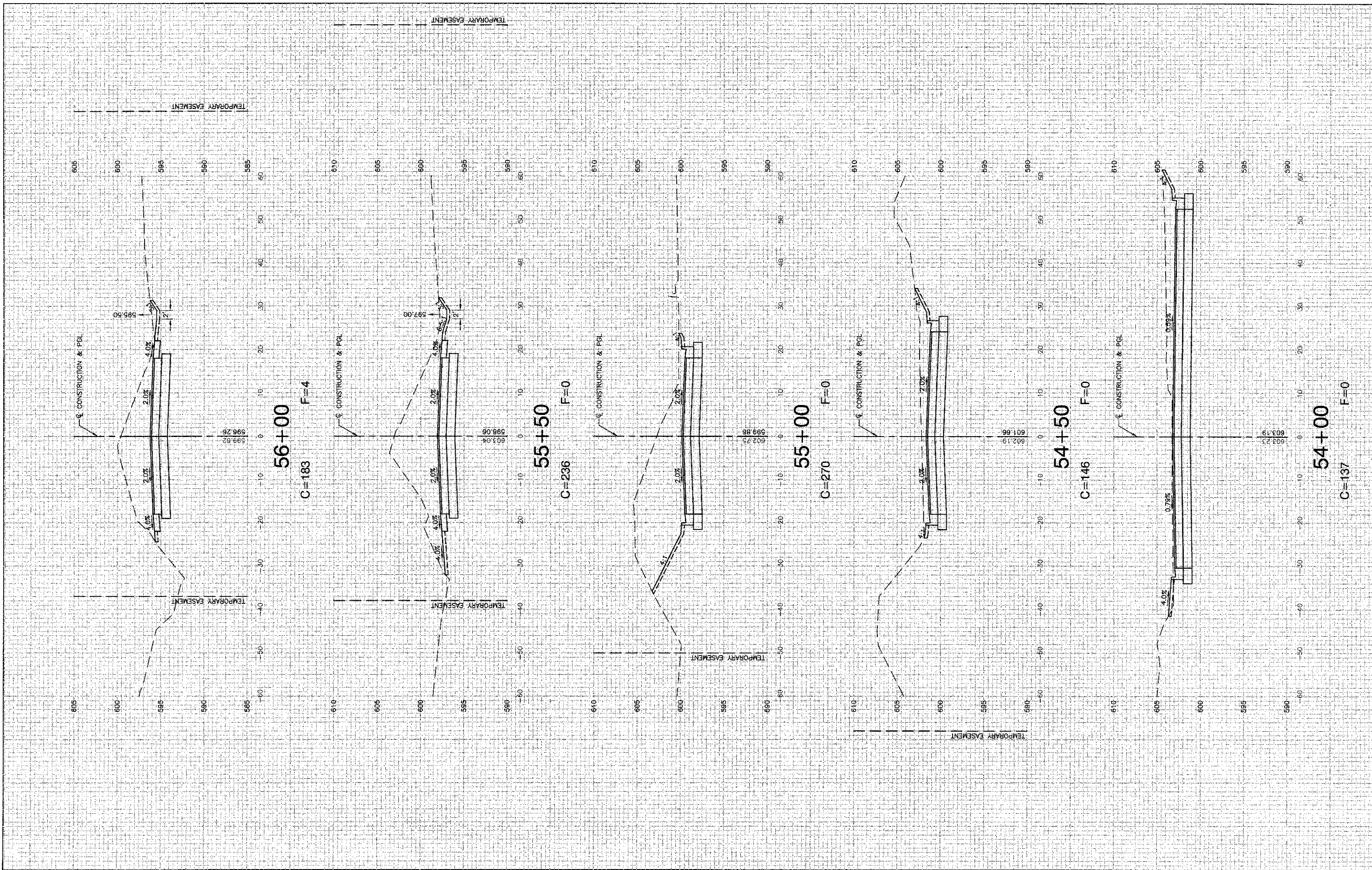
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 PLOT SCALE =
 PLOT DATE = 02-28-13

DESIGNED -- WPD	REVISED -- 01-07-13 - TEMP EASE
CHECKED -- PB	REVISED --
DRAWN -- RG	REVISED --
CHECKED -- AG	REVISED --

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

INTERSECTION IMPROVEMENT
 IL RTE 53 AT MATERIAL ROAD
 CROSS SECTIONS
 SCALE: H 1"=10' V 1"=5'
 SHEET NO. 52 OF 54 SHEETS
 STA. 51+00 TO STA. 53+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	09-00055-00-CH	WILL	54	52
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(B29)			CONTRACT NO. 63753	



FILE NAME = 08361_02-XSEC-01 - 1.DOT P11
 USER NAME =
 PLOT SCALE =
 PLOT DATE = 02-28-13

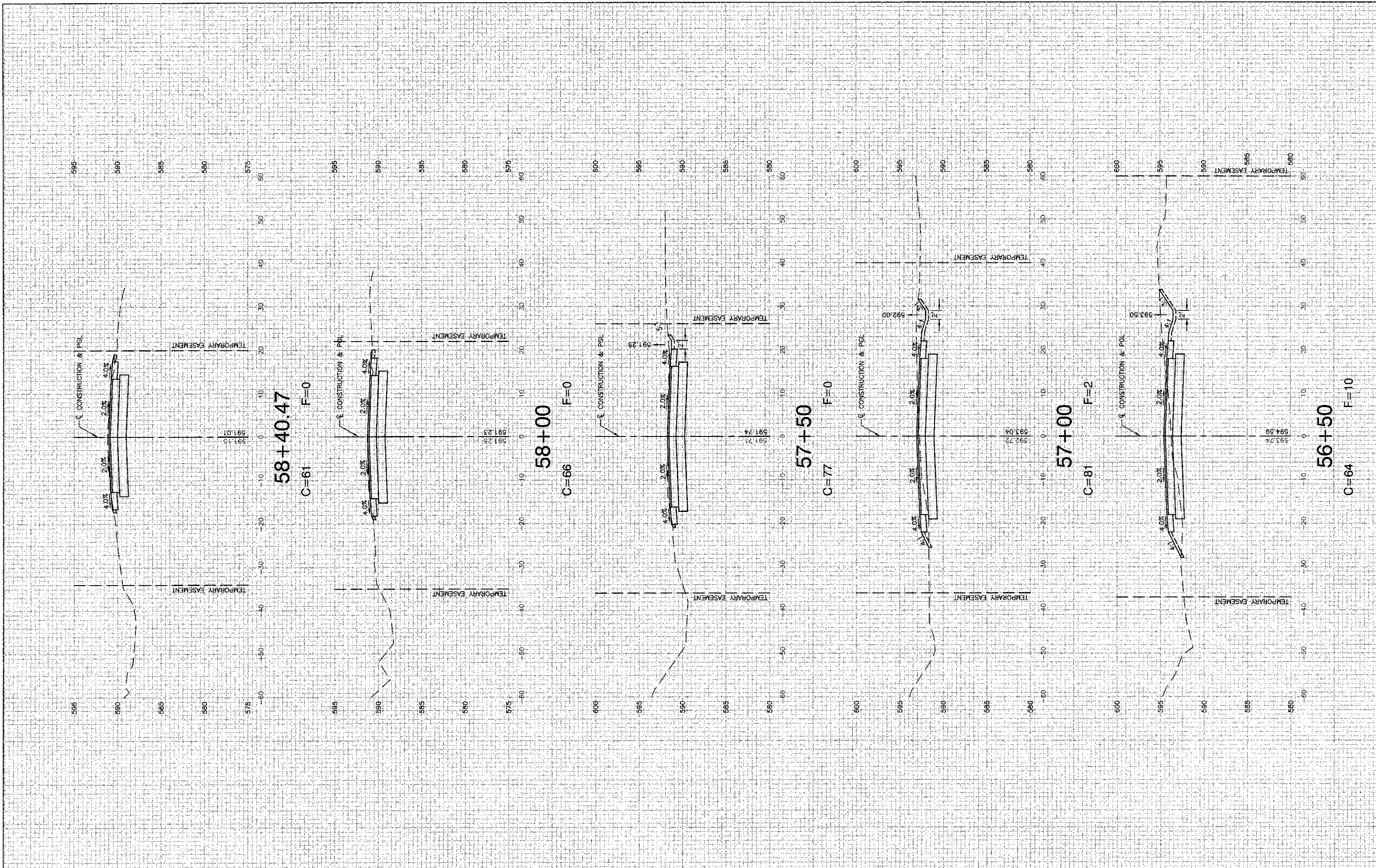
DESIGNED	WPD	REVISED	01-07-13 - TEMP EASE
CHECKED	PB	REVISED	
DRAWN	RG	REVISED	
CHECKED	AG	REVISED	

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**INTERSECTION IMPROVEMENT
 IL RTE 53 AT MATERIAL ROAD
 CROSS SECTIONS**

SCALE: H 1"=10' V 1"=5'
 SHEET NO. 53 OF 54 SHEETS
 STA. 54+00 TO STA. 55+50

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
112	09-00055-00-CH	WILL	54	53
CONTRACT NO 63753				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	M-9003(829)	



FILE NAME = 08301_02-XSEC-01 - IDOT P12	USER NAME =	DESIGNED -- WPD	REVISED -- 01-07-13 - TEMP EASE	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INTERSECTION IMPROVEMENT IL RTE 53 AT MATERIAL ROAD CROSS SECTIONS		F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	CHECKED -- PB	REVISED --				112	09-00055-00-CH	WILL	54	54
	PLOT DATE = 02-28-13	DRAWN -- RG	REVISED --				CONTRACT NO. 63753				
	CHECKED -- AG	REVISED --		SCALE: H 1"=10' V 1"=5'		SHEET NO. 54 OF 54 SHEETS	STA 56+00 TO STA 58+00	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT M-9003(629)	