

SECTION 15, TOWNSHIP 36, RANGE 14

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED
FEDERAL AID HIGHWAY

US ROUTE 6 (162ND STREET / FAP 351) & WAUSAU AVENUE
INTERSECTION IMPROVEMENT
SECTION NO.: 09-00086-00-CH
FEDERAL PROJECT NO.: M-9003(330)
JOB NO.: C-91-646-09
VILLAGE OF SOUTH HOLLAND
COOK COUNTY

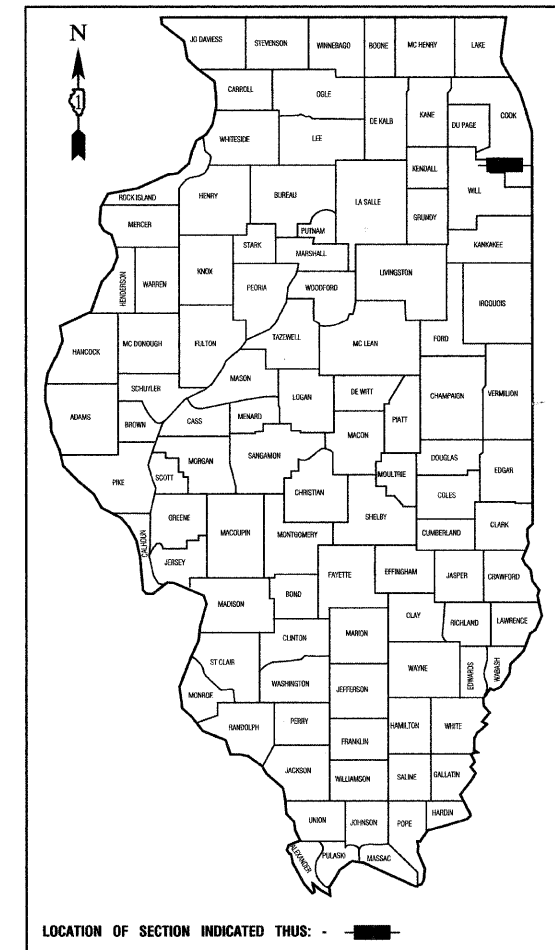
F. A. P. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	09-00086-00-CH	COOK	43 + 2	1
STA.		TO STA.		45
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT	M-9003(330)	

CONTRACT #63261

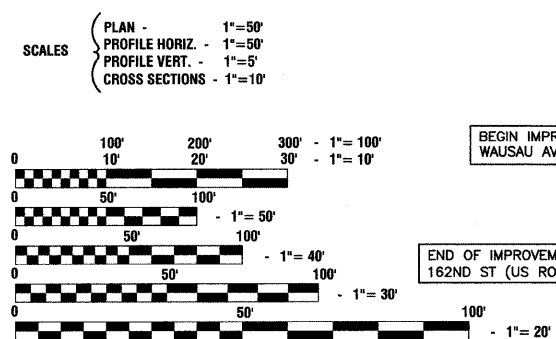
INDEX OF SHEETS
SEE SHEET NO. 2

HIGHWAY STANDARDS
SEE SHEET NO. 2

DESIGN DESIGNATION - US ROUTE 6 (162ND STREET) ADT 42,000 (2030) - SRA PV=36,960 SU=3360 MU=1680 100% DESIGN TRAFFIC IN DESIGN LANE P=88% S=8% M=4% SSS=FAIR															
DESIGN DESIGNATION - WAUSAU AVENUE ADT 4,000 (2030) - LOCAL ROAD PV=3,960 SU=40 MU=0 100% DESIGN TRAFFIC IN DESIGN LANE P=99% S=1% M=0% SSS=FAIR															
	<table border="1"> <tr> <th>US ROUTE 6 (162ND STREET)</th> <th>WAUSAU AVENUE</th> </tr> <tr> <td>2007 ADT - 41,000</td> <td>2,850</td> </tr> <tr> <td>2030 ADT - 42,000</td> <td>4,000</td> </tr> <tr> <td>POSTED SPEED LIMIT - 35 mph</td> <td>25 mph</td> </tr> <tr> <td>DESIGN PERIOD - 20 YEARS</td> <td>20 YEARS</td> </tr> <tr> <td>DESIGN SPEED LIMIT - 35 mph</td> <td>30 mph</td> </tr> <tr> <td>STREET CLASSIFICATION - CLASS I</td> <td>LOCAL</td> </tr> </table>	US ROUTE 6 (162ND STREET)	WAUSAU AVENUE	2007 ADT - 41,000	2,850	2030 ADT - 42,000	4,000	POSTED SPEED LIMIT - 35 mph	25 mph	DESIGN PERIOD - 20 YEARS	20 YEARS	DESIGN SPEED LIMIT - 35 mph	30 mph	STREET CLASSIFICATION - CLASS I	LOCAL
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STREET CLASSIFICATION - CLASS I	LOCAL														



LOCATION OF SECTION INDICATED THUS: - [black rectangle] -

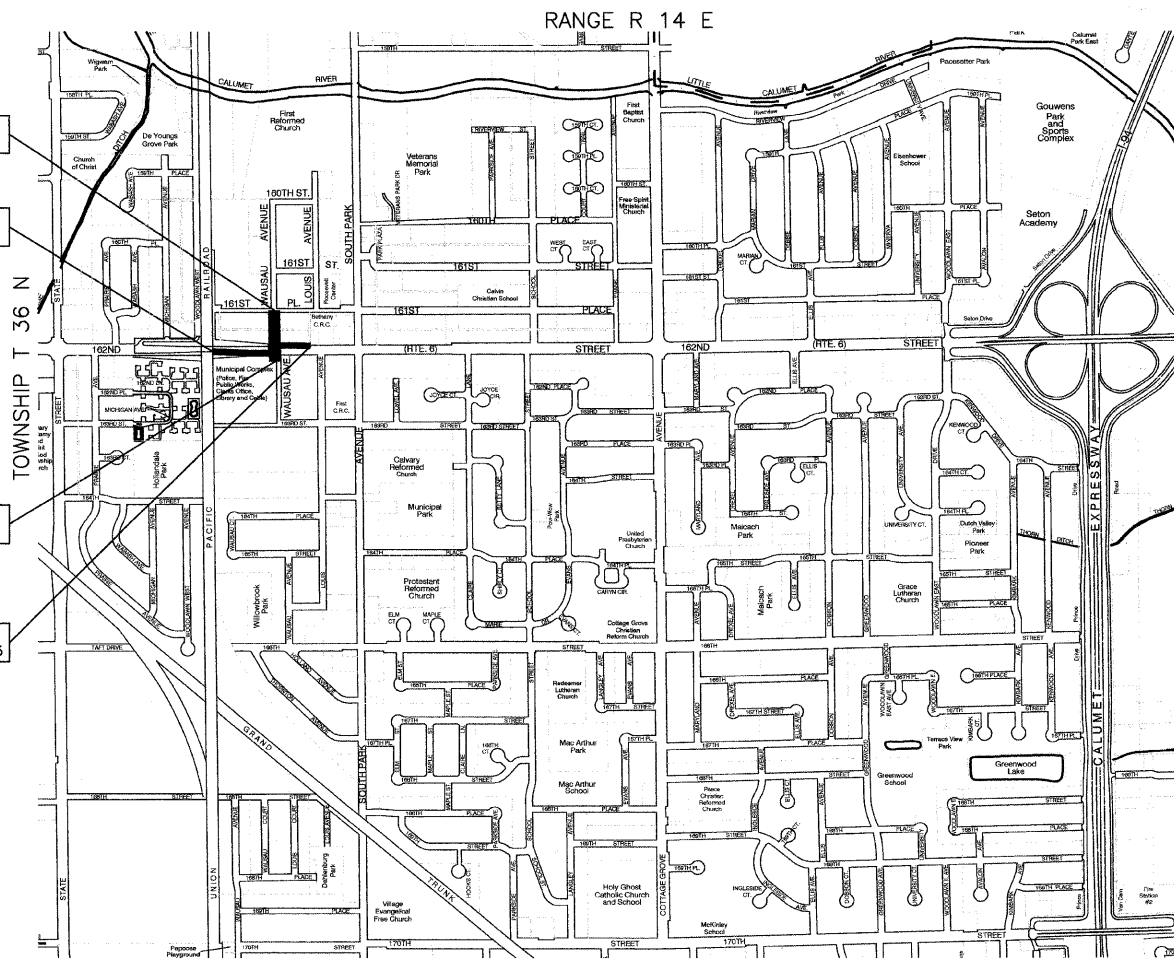


END OF IMPROVEMENTS
WAUSAU AVENUE STA 59+50

BEGIN IMPROVEMENTS
162ND ST (US ROUTE 6) STA 24+40

BEGIN IMPROVEMENTS
WAUSAU AVENUE STA 55+32.24

END OF IMPROVEMENTS
162ND ST (US ROUTE 6) STA 32+82.5



I.D.O.T. FEDERAL AID DESIGN ENGINEER: MELCHOR MANGOBA 847-705-4408
CONSULTANTS: ROBINSON ENGINEERING, LTD. 708-331-6700
CONTACT ENGINEER: PATRICIA BARKER

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. 63261

PROJECT LOCATION

GROSS LENGTH=1,260.26 FEET=0.24 MILES
NET LENGTH=1,260.26 FEET=0.24 MILES



STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

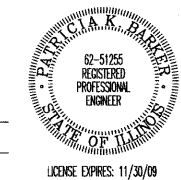
Approved: 8-26-09
[Signature]
President, Village of South Holland

Passed: August 31, 2009
[Signature]
District 1 Engineer of Local Roads & Streets

Released for Bid Based on Limited Review: SEPTEMBER 1, 2009
[Signature]
Deputy Director of Highways, Region 1 Engineer

PRINTED BY THE AUTHORITY OF
THE STATE OF ILLINOIS

PREPARED BY OR UNDER THE
DIRECT SUPERVISION OF:
[Signature]
8-26-09



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IDOT STANDARD DRAWINGS

- | | |
|-----------|--|
| 000001-05 | STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS |
| 001001-02 | AREAS OF REINFORCEMENT BARS |
| 001006 | DECIMAL OF AN INCH AND OF A FOOT |
| 202001-01 | EARTH MEDIAN DITCH CHECK |
| 280001-04 | TEMPORARY EROSION CONTROL SYSTEMS |
| 424001-05 | CURB RAMPS FOR SIDEWALKS |
| 442201-03 | CLASS C AND D PATCHES |
| 602011-01 | CATCH BASIN, TYPE C |
| 602401-02 | MANHOLE, TYPE A |
| 602501-01 | VALVE VAULT, TYPE A |
| 602601-02 | PRECAST REINFORCED CONCRETE FLAT SLAB TOP |
| 602701-02 | MANHOLE STEPS |
| 604001-03 | FRAME AND LIDS, TYPE 1 |
| 606001-04 | CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER |
| 701501-05 | URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED |
| 701701-06 | URBAN LANE CLOSURE, MULTILANE INTERSECTION |
| 701801-04 | LANE CLOSURE, MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE |
| 701901-01 | TRAFFIC CONTROL DEVICES |
| 780001-02 | TYPICAL PAVEMENT MARKINGS |
| 805001-01 | ELECTRICAL SERVICE INSTALLATION DETAILS |
| 814001-02 | HANDHOLES |
| 814006-02 | DOUBLE HANDHOLES |
| 857001-01 | STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES |
| 862001-01 | UNINTERRUPTIBLE POWER SUPPLY (UPS) |
| 873001-02 | TRAFFIC SIGNAL GROUNDING & BONDING |
| 876001-01 | PEDESTRIAN PUSH BUTTON POST |
| 877001-04 | STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55' |
| 878001-01 | CONCRETE FOUNDATION DETAILS |
| 880001-01 | SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION |
| 880006-01 | TRAFFIC SIGNAL MOUNTING DETAILS |
| 886001-01 | DETECTOR LOOP INSTALLATIONS |
| 886006-01 | TYPICAL LAYOUT FOR DETECTION LOOPS |

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 INCIDENTAL TO 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 INCIDENTAL TO 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 THE CONTRACTOR SHALL PROTECT ALL TREES WITHIN AND ADJACENT TO THE CONSTRUCTION SITE DURING THE CLEARING AND SUBSEQUENT CONSTRUCTION OPERATIONS IN ACCORDANCE WITH SECTION 201 OF THE STANDARD SPECIFICATIONS. THOSE TREES TO BE REMOVED AS SHOWN IN THE PLANS SHALL BE DONE IN ACCORDANCE WITH SECTION 201 AND 202 OF THE STANDARD SPECIFICATIONS.
- 12 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).
- 13 THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.
- 14 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.
- 15 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.
- 16 ALL PIPE CONNECTIONS BETWEEN THE LATERAL SEWER LINES SHALL BE MADE BY MEANS OF A PRECAST WYE OR TEE SECTION. THIS SHALL NOT BE PAID FOR INDEPENDENTLY BUT SHALL BE CONSIDERED INCIDENTAL TO THE MAIN DRAIN STORM SEWER CONSTRUCTION.
- 17 THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 5 WORKING DAYS IN ADVANCE OF BEGINNING WORK. THE CONTRACTOR SHALL ALSO CONTACT ROBINSON ENGINEERING (708) 331-6700, AND JEFF HON, VILLAGE OF SOUTH HOLLAND (708) 339-2323, A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.
- 18 ALL HOT-MIX ASPHALT (HMA) 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.
- 19 POROUS GRANULAR EMBANKMENT SUBGRADE (PGES) HAS BEEN PROVIDED FOR LOCATIONS WHERE SOILS TEND TO BE UNSTABLE WHEN WET. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH PGE 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.
- 20 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.
- 21 CONTRACTOR SHALL BE RESPONSIBLE AT ALL TIMES FOR TRAFFIC CONTROL AND PROTECTION IN ACCORDANCE WITH THE IDOT STANDARD SPECIFICATIONS ADOPTED JANUARY 1, 2007, THE LATEST EDITION OF THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, AND THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS.
- 22 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.
- 23 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.
- 24 CHERT AGGREGATE SHALL NOT BE ALLOWED IN THE MANUFACTURE OF STORM SEWERS, END SECTIONS, OR PRECAST DRAINAGE STRUCTURES.
- 25 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.
- 26 THERE ARE EXISTING 12KV OVERHEAD FACILITIES AND APPROXIMATELY 3 POLES IN CONFLICT WITH THE SUBJECT IMPROVEMENT. THE CONTRACTORS SHOULD USE CAUTION IN OPERATING CRANES OR OTHER EQUIPMENT NEAR COMED OVERHEAD FACILITIES.

FILE NAME = 06959-INDX-01 - P01	USER NAME =	DESIGNED -- MRS	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US ROUTE 6 (162ND STREET) & WAUSAU AVENUE INTERSECTION IMPROVEMENTS INDEX OF SHEETS & STATE STANDARDS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		CHECKED -- PKB	REVISED --		351	09-00086-00-CH	COOK	43	2				
	PLOT SCALE =	DRAWN -- PS	REVISED --		SCALE:			SHEET NO. 2 OF 43 SHEETS		STA.	TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(330)	
	PLOT DATE = 8-19-09	CHECKED -- AG	REVISED --									CONTRACT NO. 63261	

SUMMARY OF QUANTITIES					PAVEMENT	MARKINGS	SIGNS	LANDSCAPE	LIGHTS	SIGNALS	TRAINING
S.I.	CODE NO.	PAY ITEM	UNIT	QUAN	CONSTRUCTION TYPE CODE						
					1000-2A	SFTY-1D	Y002-1C	Y003	Y030-1E	Y031-1F	Y080
	20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	106	106						
	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	77	77						
	20200100	EARTH EXCAVATION	CU YD	2454	2454						
	20700420	POROUS GRANULAR EMBANKMENT, SUBGRADE	CU YD	100	100						
	20800150	TRENCH BACKFILL	CU YD	281	281						
*	21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	880	880						
	21300010	EXPLORATION TRENCH, SPECIAL	FOOT	200	200						
*	25200700	SODDING, SPECIAL	SQ YD	880	880						
	28000300	TEMPORARY DITCH CHECKS	EACH	10	10						
	28000400	PERIMETER EROSION BARRIER	FOOT	819	819						
	28000510	INLET FILTERS	EACH	20	20						
	31101200	SUB-BASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	1157	1157						
	31101400	SUB-BASE GRANULAR MATERIAL, TYPE B 6"	SQ YD	2918	2918						
	40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	2914	2914						
	40600300	AGGREGATE (PRIME COAT)	TON	27	27						
	40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	193	193						
	40600895	CONSTRUCTING TEST STRIP	EACH	1	1						
	40603240	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	TON	520	520						
	40603595	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90	TON	531	531						
	40701831	HOT-MIX ASPHALT PAVEMENT (FULL DEPTH), 7 1/2 INCH	SQ YD	145	145						
	42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	10413	10413						
	42400800	DETECTABLE WARNINGS	SQ FT	48	48						
	44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	364	364						
	44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	4574	4574						
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	47	47						
	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	111	111						
	44000600	SIDEWALK REMOVAL	SQ FT	4882	4882						
	550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	137	137						
	550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	265	265						
*	56400300	FIRE HYDRANTS TO BE ADJUSTED	EACH	1	1						
*	56400500	FIRE HYDRANTS TO BE REMOVED	EACH	1	1						
	60109510	PIPE UNDERDRAINS, FABRIC LINED TRENCH 4"	FOOT	472	472						
	60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	1	1						
	60206905	CATCH BASINS, TYPE C, TYPE 1 FRAME, OPEN LID	EACH	5	5						
	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1FRAME, CLOSED LID	EACH	3	3						
	60255410	CATCH BASINS TO BE CLEANED	EACH	20	20						
	60255500	MANHOLES TO BE ADJUSTED	EACH	5	5						
	60260050	SANITARY MANHOLES TO BE RECONSTRUCTED	EACH	1	1						
	60265700	VALVE VAULTS TO BE ADJUSTED	EACH	3	3						
	60266600	VALVE BOXES TO BE ADJUSTED	EACH	2	2						
	60266910	VALVE BOXES TO BE REMOVED	EACH	1	1						
	60500060	REMOVING INLETS	EACH	1	1						
	60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	1492	1492						
	67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6						
	67100100	MOBILIZATION	L SUM	1	1						
	70101800	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1	1						
	70300100	SHORT-TERM PAVEMENT MARKING	FOOT	1500	1500						
	70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	1700	1700						
	70300240	TEMPORARY PAVEMENT MARKING-LINE 6"	FOOT	500	500						

* - INDICATES SPECIALTY ITEMS

FILE NAME = 08659-QUAN-01 - P01	USER NAME =	DESIGNED -- MRS	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US ROUTE 6 (162ND STREET) & WAUSAU AVENUE INTERSECTION IMPROVEMENTS SUMMARY OF QUANTITIES			F.A.P. RTE. 351	SECTION 09-00086-00-CH	COUNTY COOK	TOTAL SHEETS 43	SHEET NO. 3
	PLOT SCALE =	CHECKED -- PKB	REVISED --		SCALE:	SHEET NO. 3	OF 43 SHEETS	STA.	TO STA.	CONTRACT NO. 63261		
	PLOT DATE = 8-28-09	DRAWN -- PS	REVISED --		FED. ROAD DIST. NO. 1			ILLINOIS	FED. AID PROJECT M-9003(330)			
		CHECKED -- AG	REVISED --									

SUMMARY OF QUANTITIES					PAVEMENT	MARKINGS	SIGNS	LANDSCAPE	LIGHTS	SIGNALS	TRAINING
S.I.	CODE NO.	PAY ITEM	UNIT	QUAN	CONSTRUCTION TYPE CODE						
					1000-2A	SFTY-1D	Y002-1C	Y003	Y030-1E	Y031-1F	Y080
	70300280	TEMPORARY PAVEMENT MARKING-LINE 24"	FOOT	200	200						
	72000100	SIGN PANEL - TYPE 1	SQ FT	28.5	28.5						
*	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	191	191						
*	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	4300	4300						
*	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1560	1560						
*	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	81	81						
*	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	147	147						
*	78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	95	95						
	78300100	PAVEMENT MARKING REMOVAL	SQ FT	275	275						
*	81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	506						506	
*	81000700	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	224					145	79	
*	81001000	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	16						16	
*	81018500	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	36						36	
*	81018900	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	276						276	
*	81400100	HANDHOLE	EACH	6						6	
*	81400200	HEAVY-DUTY HANDHOLE	EACH	3						3	
*	81400300	DOUBLE HANDHOLE	EACH	1						1	
*	81603172	UNIT DUCT, 600V, 3-1C NO.6, 1/C NO.8 GROUND, (EPR-TYPE RHW), 1 1/4" DIA. POLYETHYLENE	FOOT	720					720		
*	81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	1321					720	601	
*	82102250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	2					2		
*	82102400	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT	EACH	4					4		
*	83008400	LIGHT POLE, ALUMINUM, 40 FT. M.H., 10 FT. MAST ARM	EACH	2					2		
*	83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	50					50		
*	83600215	LIGHT POLE FOUNDATION, 24" DIAMETER, OFFSET	FOOT	10					10		
*	83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	5					5		
*	84200500	REMOVAL OF EXISTING LIGHTING UNIT, SALVAGE	EACH	1					1		
*	84200705	LIGHTING FOUNDATION REMOVAL, PARTIAL	EACH	3					3		
*	84400105	RELOCATE EXISTING LIGHTING UNIT	EACH	3					3		
*	85000200	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	1						1	
*	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	573						573	
*	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1304						1304	
*	87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1220						1220	
*	87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1509						1509	
*	87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1774						1774	
*	87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	4						4	
*	87700210	STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	1						1	
*	87700220	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	2						2	
*	87700230	STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1						1	
*	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	16						16	
*	87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	54						54	
*	87900200	DRILL EXISTING HANDHOLE	EACH	3						3	
*	88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	7						7	
*	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	
*	88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2						2	
*	88102747	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2						2	
*	88200110	TRAFFIC SIGNAL BACKPLATE, LOUVERED	EACH	11						11	
*	88500100	INDUCTIVE LOOP DETECTOR	EACH	5						5	
*	88600100	DETECTOR LOOP, TYPE I	FOOT	936						936	

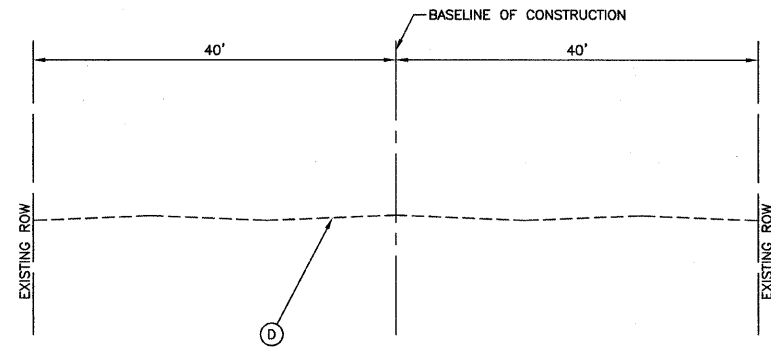
* - INDICATES SPECIALTY ITEMS

FILE NAME = 06959-QUAN-01 - P02	USER NAME =	DESIGNED -- MRS	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US ROUTE 6 (162ND STREET) & WAUSAU AVENUE INTERSECTION IMPROVEMENTS SUMMARY OF QUANTITIES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		CHECKED -- PKB	REVISED --		SCALE:	SHEET NO. 4	OF 43 SHEETS	STA.	TO STA.	COOK	43	4
	PLOT SCALE =	DRAWN -- PS	REVISED --		CONTRACT NO. 63261							
	PLOT DATE = 9-3-09	CHECKED -- AG	REVISED --		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(330)							

SUMMARY OF QUANTITIES					PAVEMENT	MARKINGS	SIGNS	LANDSCAPE	LIGHTS	SIGNALS	TRAINING
S.I.	CODE NO.	PAY ITEM	UNIT	QUAN	CONSTRUCTION TYPE CODE						
					I000	SFTY-1D	Y002-1C	Y003	Y030-1E	Y031	Y080
*	88700200	LIGHT DETECTOR	EACH	2						2	
*	88800100	PEDESTRIAN PUSH-BUTTON	EACH	4						4	
*	89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1						1	
*	89501400	RELOCATE EXISTING <i>EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT</i>	EACH	1						1	
*	89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1						1	
*	89502300	REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	13717						13717	
*	89502350	REMOVE AND REINSTALL ELECTRIC CABLE FROM CONDUIT	FOOT	4000						4000	
*	89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1						1	
*	89502380	REMOVE EXISTING HANDHOLE	EACH	7						7	
*	89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	6						6	
*	B2005720	TREE, PYRUS CALLERYANA CHANTICLEER CHANTICLEER CALLERY PEAR), 2-1/2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	11	11						
	X0322923	SEGMENTAL CONCRETE BLOCK WALL	SQ FT	2667	2667						
*	X0322925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	6000						6000	
	X0323350	FURNISHING AND SETTING BRICK PAVERS	SQ FT	1455	1455						
*	X0325890	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1						1	
*	X8620020	UNINTERRUPTIBLE POWER SUPPLY	EACH	1						1	
*	X8710022	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, 2-MM12F & SM12F	FOOT	6000						6000	
*	X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	532						532	
*	X8730250	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	302						302	
*	X8950200	REBUILD EXISTING HANDHOLE	EACH	1					1		
*	XX000679	CUT AND CAP EXISTING WATER MAIN	EACH	2	2						
	XX001186	PLANTER REMOVAL	EACH	1	1						
	XX006806	HOT MIX ASPHALT DRIVEWAY PAVEMENT	SQ YD	281	281						
*	XX006937	GROUND ROD, 5/8" DIA. X 10 FT.	EACH	6					6		
	Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1						
	Z0076600	TRAINEES	HOURL	500							500
*	XX008193	12" X 12" TAPPING SLEEVE AND 12" VALVE IN 5' DIA VALVE VAULT, TYPE A	EACH	1	1						
*	XX008194	24 INCH DIAMETER STEEL SLEEVE, 0.375 INCH WALL THICKNESS, OPEN CUT	FOOT	31	31						
	XX00717	<i>STORM SEWER CONNECTION, SPECIAL</i>	EACH	2	2						
*	XX003037	DUCTILE IRON FITTINGS AND ACCESSORIES	POUND	1086	1086						
*	XX007672	DUCTILE IRON WATER MAIN 6" POLYETHYLENE WRAPPED	FOOT	15	15						
*	XX007673	DUCTILE IRON WATER MAIN 12" POLYETHYLENE WRAPPED	FOOT	266	266						
	XX008195	EXPLORATION EXCAVATION, (UTILITY).	FOOT	100	100						
*	56400200	FIRE HYDRANTS <i>TO BE MOVED (SPECIAL)</i>	EACH	1	1						
*	XX004760	FIRE HYDRANT WITH AUXILIARY VALVE, VALVE BOX AND TEE	EACH	1	1						
*	XX004972	LINESTOP, 12"	EACH	1	1						
*	XX008196	TRENCH BACKFILL, WATERMAIN (SPECIAL)	FOOT	281	281						

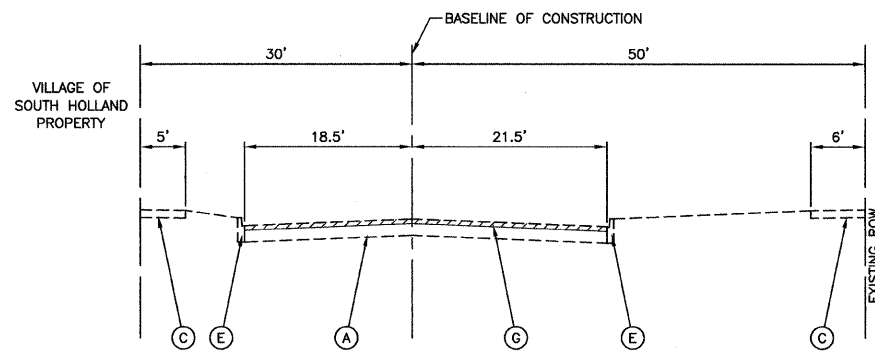
* - INDICATES SPECIALTY ITEMS

FILE NAME = 08859-QUAN-01 - P03	USER NAME =	DESIGNED -- MRS	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US ROUTE 6 (162ND STREET) & WAUSAU AVENUE INTERSECTION IMPROVEMENTS SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	CHECKED -- PKB	REVISED --	351			09-00086-00-CH	COOK	43	5	
PLOT SCALE =	DRAWN -- PS	REVISED --	CONTRACT NO. 63261							
PLOT DATE = 9-3-09	CHECKED -- AG	REVISED --	SCALE:			SHEET NO. 5 OF 43 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT M-9003(330)



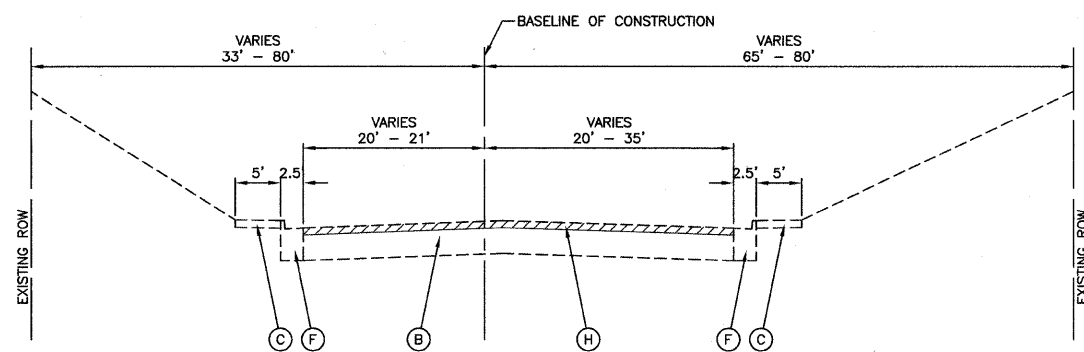
EXISTING TYPICAL CROSS SECTION

WAUSAU AVENUE
NORTH OF US ROUTE 6 (162ND STREET)



EXISTING TYPICAL CROSS SECTION

WAUSAU AVENUE
SOUTH OF US ROUTE 6 (162ND STREET)



EXISTING TYPICAL CROSS SECTION

162ND STREET
STA 24+40 TO STA 32+82.5

LEGEND

- (A) 6" HMA PAVEMENT & VARIES
- (B) 11" HMA PAVEMENT & VARIES
- (C) PCC SIDEWALK
- (D) VACANT PROPERTY
- (E) CONCRETE CURB & GUTTER
- (F) TYPE B-6.24 COMBINATION CURB & GUTTER
- (G) HOT-MIX ASPHALT SURFACE REMOVAL - 1 1/2"
- (H) HOT-MIX ASPHALT SURFACE REMOVAL - 2 1/4"
- (1) SUB-BASE GRANULAR MATERIAL, TYPE B - 6"
- (2) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 - 10" (IN 3 LIFTS)
- (3) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 - 1 3/4"
- (4) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (5) PORTLAND CEMENT CONCRETE SIDEWALK, 5" W/ 4" SUB-BASE GRANULAR MATERIAL
- (6) BLOCK RETAINING WALL
- (7) SODDING, (SPECIAL) WITH 4" TOPSOIL, FURNISH AND PLACE
- (8) GRANULAR BACKFILL
- (9) GRANULAR LEVELING PAD 6"x24"
- (10) HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 - 1 1/2" (PAID FOR AS HOT-MIX ASPHALT PAVEMENT (FULL DEPTH) 7 1/2")
- (11) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 - 6" (IN 2 LIFTS) (PAID FOR AS HOT-MIX ASPHALT PAVEMENT (FULL DEPTH) 7 1/2")
- (12) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"
- (13) FURNISHING AND SETTING BRICK PAVERS

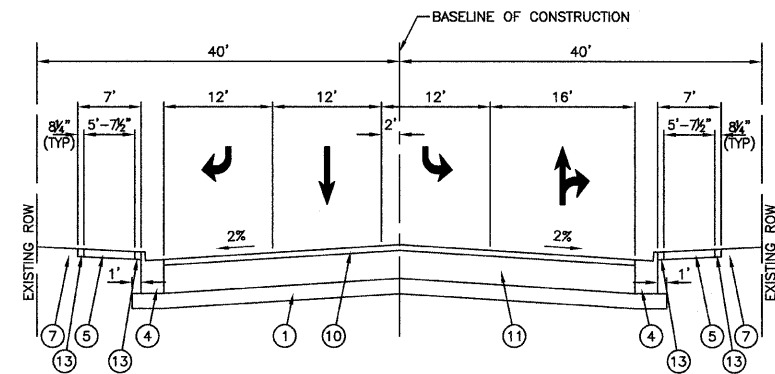
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USER NAME =	DESIGNED -- MRS	REVISED -- 8-28-09
	CHECKED -- PKB	REVISED --
PLOT SCALE =	DRAWN -- PS	REVISED --
PLOT DATE = 8-28-09	CHECKED -- AG	REVISED --

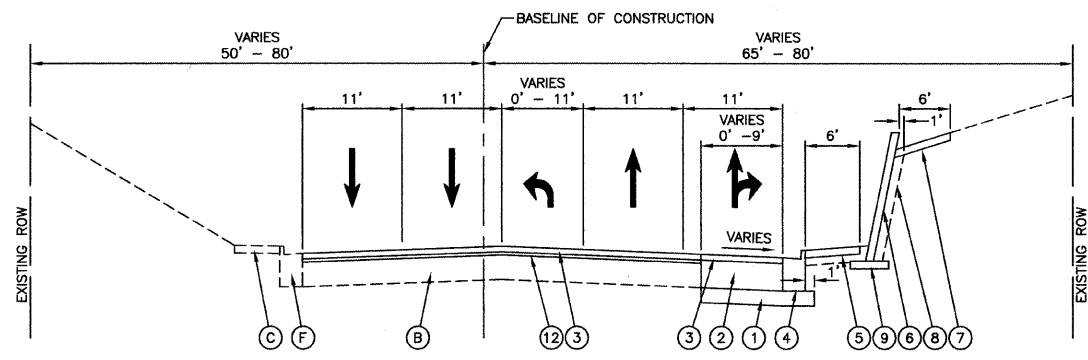
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 6 (162ND STREET) & WAUSAU AVENUE
INTERSECTION IMPROVEMENTS
EXISTING TYPICAL CROSS SECTIONS

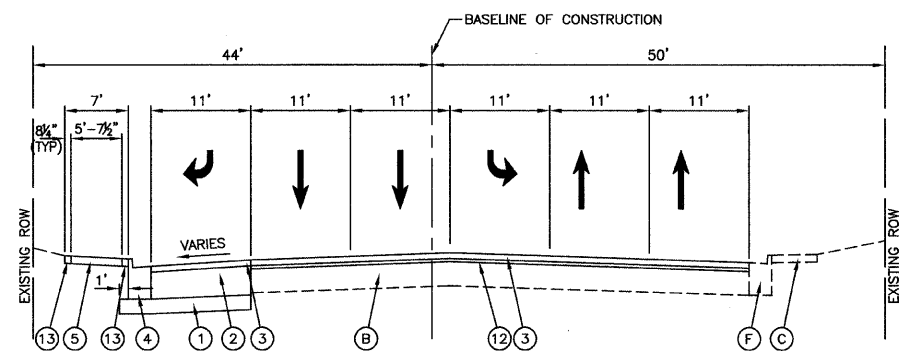
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	09-00086-00-CH	COOK	43	6
CONTRACT NO. 63261				
SCALE: SHEET NO. 6 OF 43 SHEETS STA. TO STA.				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(330)				



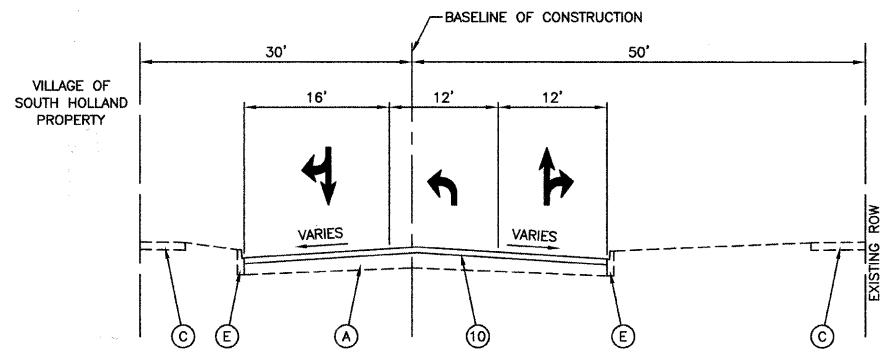
PROPOSED TYPICAL CROSS SECTION
WAUSAU AVENUE
NORTH OF US ROUTE 6 (162ND STREET)



PROPOSED TYPICAL CROSS SECTION
162ND STREET
STA 24+40 TO STA 30+00



PROPOSED TYPICAL CROSS SECTION
162ND STREET
STA 30+00 TO STA 32+82.5



PROPOSED TYPICAL CROSS SECTION
WAUSAU AVENUE
SOUTH OF US ROUTE 6 (162ND STREET)

LEGEND

- (A) 6" HMA PAVEMENT & VARIES
- (B) 11" HMA PAVEMENT & VARIES
- (C) PCC SIDEWALK
- (D) VACANT PROPERTY
- (E) CONCRETE CURB & GUTTER
- (F) TYPE B-6.24 COMBINATION CURB & GUTTER
- (G) HOT-MIX ASPHALT SURFACE REMOVAL - 1 1/2"
- (H) HOT-MIX ASPHALT SURFACE REMOVAL - 2 1/2"
- (1) SUB-BASE GRANULAR MATERIAL, TYPE B - 6"
- (2) POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 - 10" (IN 3 LIFTS)
- (3) POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90 - 1 3/4"
- (4) COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- (5) PORTLAND CEMENT CONCRETE SIDEWALK, 5" W/ 4" SUB-BASE GRANULAR MATERIAL
- (6) BLOCK RETAINING WALL
- (7) SODDING, (SPECIAL) WITH 4" TOPSOIL, FURNISH AND PLACE
- (8) GRANULAR BACKFILL
- (9) GRANULAR LEVELING PAD 6"x24"
- (10) HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 - 1 1/2" (PAID FOR AS HOT-MIX ASPHALT PAVEMENT (FULL DEPTH) 7 1/2")
- (11) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 - 6" (IN 2 LIFTS) (PAID FOR AS HOT-MIX ASPHALT PAVEMENT (FULL DEPTH) 7 1/2")
- (12) POLYMERIZED LEVELING BINDER (MACHINE METHOD), IL-4.75, N50 - 3/4"
- (13) FURNISHING AND SETTING BRICK PAVERS

EARTHWORK QUANTITIES

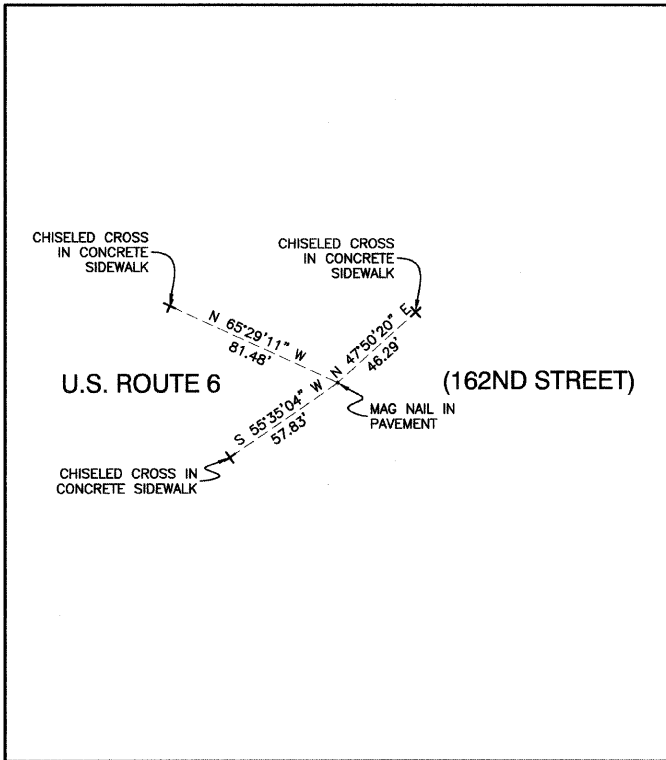
TOTAL CUT	=	2,414 CY
TOTAL FILL	=	34 CY
CUT TO FILL (15% SHRINKAGE)	=	40 CY

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

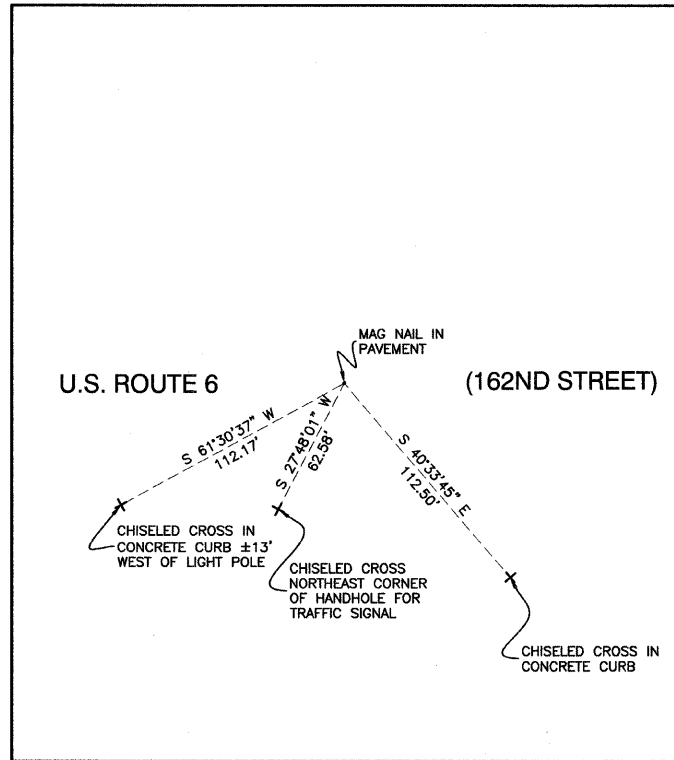
MIXTURE TYPE / USAGE	VOIDS
PAVEMENT WIDENING - US ROUTE 6	
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, IL-9.5mm, 1 3/4"	4% @ 90 Gyr.
POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19, N90, 10"	4% @ 90 Gyr.
FULL DEPTH PAVEMENT - WAUSAU AVENUE	
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50, IL-9.5mm, 1 1/2"	4% @ 50 Gyr.
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50, 6"	4% @ 50 Gyr.
PAVEMENT RESURFACING - US ROUTE 6	
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "F", N90, IL-9.5mm, 1 3/4"	4% @ 90 Gyr.
LEVELING BINDER (MACHINE METHOD), N70, 3/4"	4% @ 70 Gyr.
PAVEMENT RESURFACING - WAUSAU AVENUE	
HOT-MIX ASPHALT SURFACE COURSE, MIX C, N50, IL-9.5mm, 1 1/2"	4% @ 50 Gyr.
DRIVEWAYS	
HOT-MIX ASPHALT SURFACE COURSE, MIX C, N50, IL-9.5mm, 2"	4% @ 50 Gyr.
HOT-MIX ASPHALT BASE COURSE, (HMA BINDER IL-19mm), N50, 2 1/4"	4% @ 50 Gyr.

NOTE:
1. THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SY/IN.

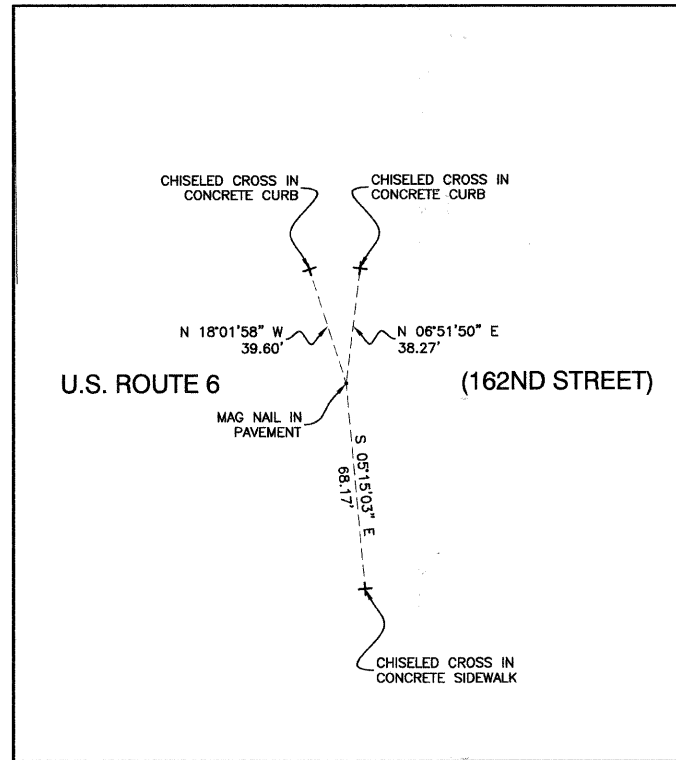
THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 70-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.



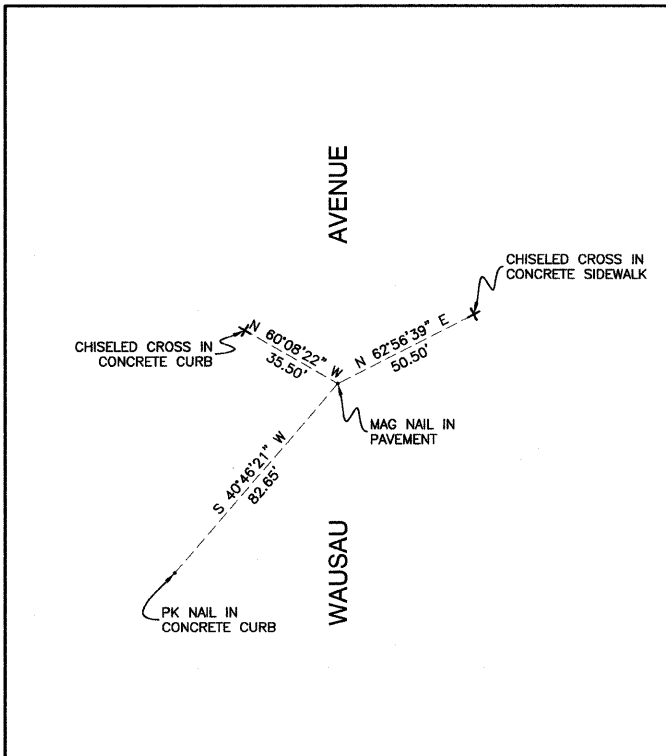
#13045 P.O.T. STATION 21+00.00 0.00' RIGHT U.S. ROUTE 6 (162ND STREET)
NORTH=1797968.8094 EAST=1181194.0765



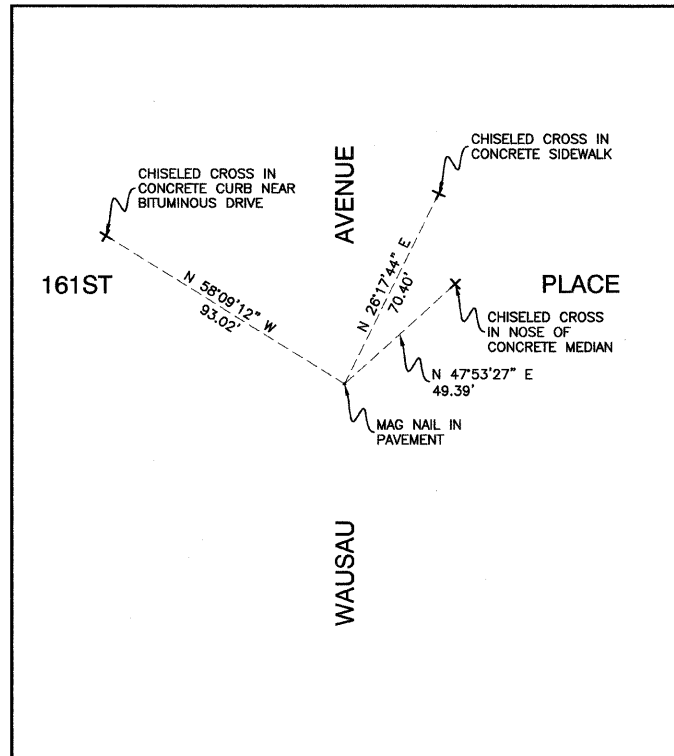
#13001 P.O.T. STATION 29+85.82 0.00' RIGHT U.S. ROUTE 6 (162ND STREET)
P.O.T. STATION 56+43.99 0.00' RIGHT WAUSAU AVENUE
NORTH=1797970.6084 EAST=1182079.8963



#13002 P.O.T. STATION 33+50.00 0.00' RIGHT U.S. ROUTE 6 (162ND STREET)
NORTH=1797971.3480 EAST=1182444.0739



#13003 P.O.T. STATION 55+00.00 0.00' RIGHT WAUSAU AVENUE
NORTH=1797826.6315 EAST=1182081.4810

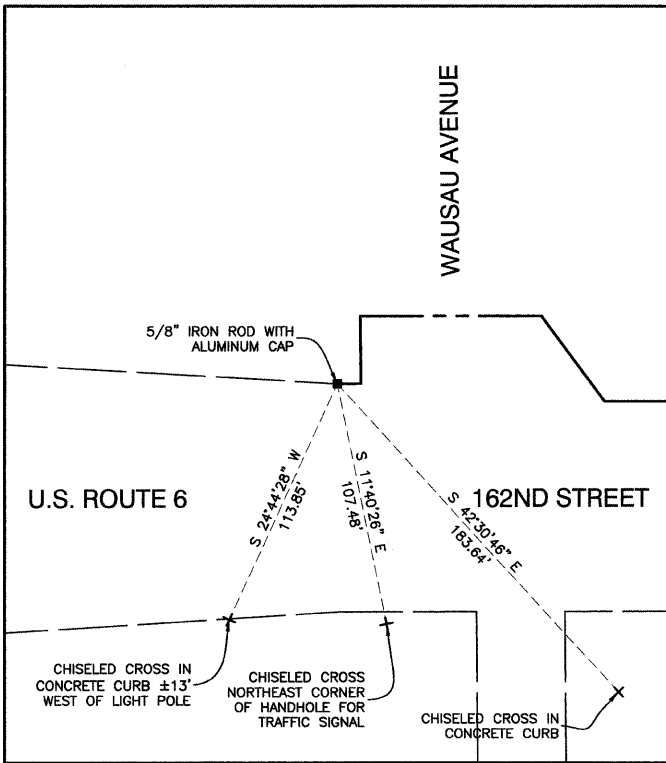


#13004 P.O.T. STATION 59+67.00 0.00' RIGHT WAUSAU AVENUE
NORTH=1798293.6019 EAST=1182076.3413

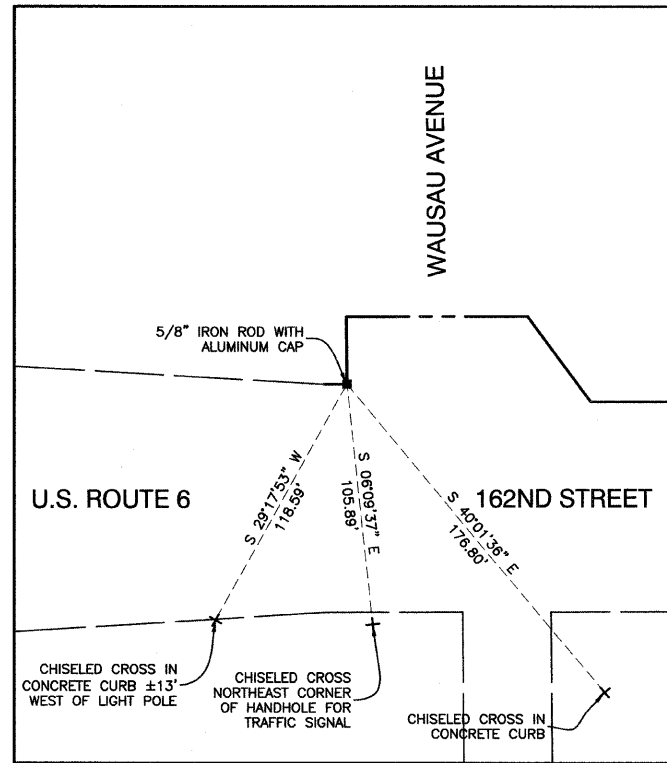


NOTE:
Coordinate values indicated hereon are based upon the North American Datum of 1983 adjustment of 2007 (N.A.D. '83 (2007)). The coordinate values are Illinois State Plane Eastern Zone estimated GROUND coordinates utilizing an average location for the length of the project having the following parameters:
WGS '84 North Latitude = 41°36'12.61512"
WGS '84 West Longitude = 87°36'26.31198"
WGS '84 Height = 489.412 U.S. Feet
Orthometric Height = 599.082 U.S. Feet (estimated utilizing Geoid '03)
Utilization of these parameters should yield a ground scale factor of 1.0000032937.
Bearing indicated hereon are referenced to the North American Datum of 1983 adjustment of 2007 (N.A.D. '83 (2007)) Illinois State Plane Eastern Zone

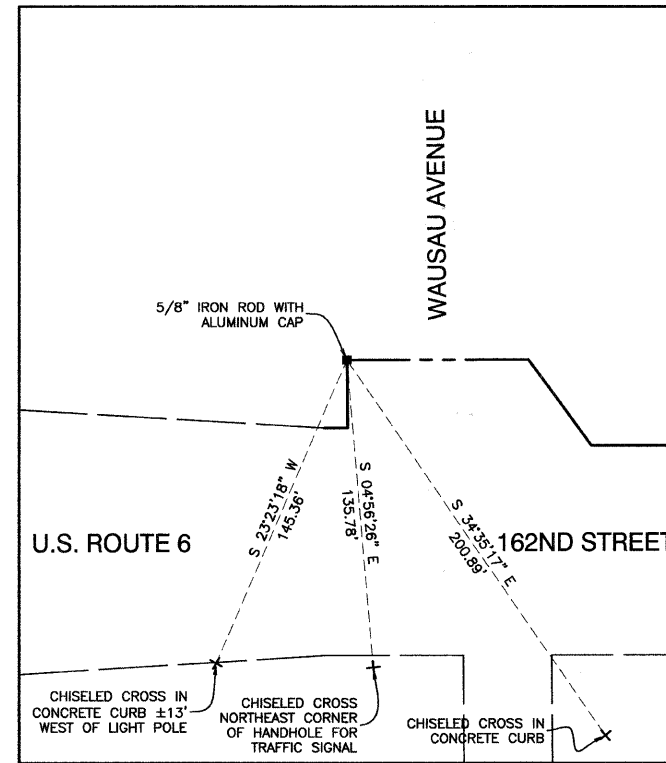
FILE NAME = 06659-ALGN-01 - TIE 01	USER NAME =	DESIGNED — PKB	REVISED —	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US ROUTE 6 (162ND STREET) & WAUSAU AVENUE INTERSECTION IMPROVEMENTS ALIGNMENT AND TIES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = NONE	CHECKED — PKB	REVISED —		351	09-00086-00-CH	COOK	43	7A			
	PLOT DATE = 8-19-09	DRAWN — REG	REVISED —		SCALE: NONE SHEET NO. 7A OF 43 SHEETS STA. TO STA.			CONTRACT NO. 63261				
		CHECKED — REG	REVISED —		FED. ROAD DIST. NO. 1 ILLINOIS			FED. AID PROJECT M-9003(330)				



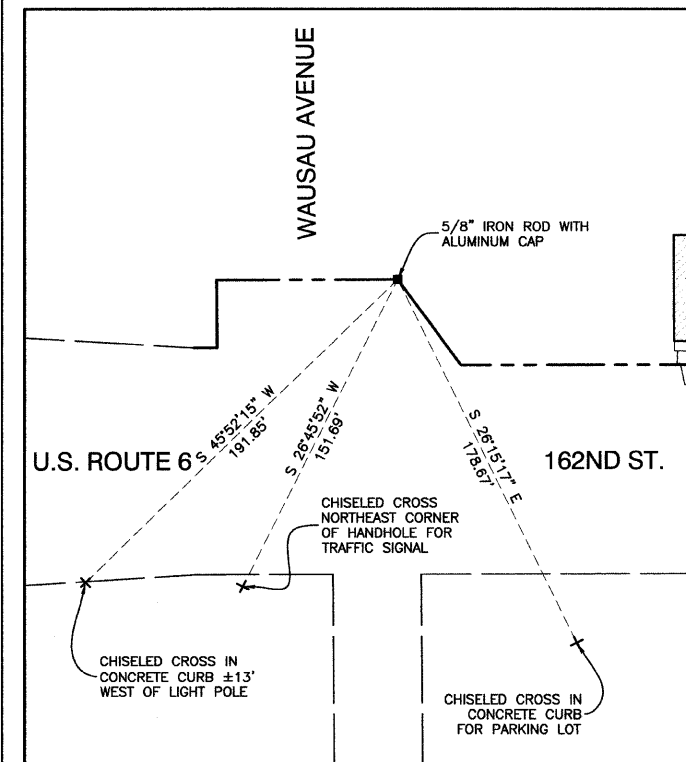
#13006 STATION 29+34.99 50.00' LEFT U.S. ROUTE 6 (162ND STREET)
NORTH=1798020.5051 EAST=1182028.9598



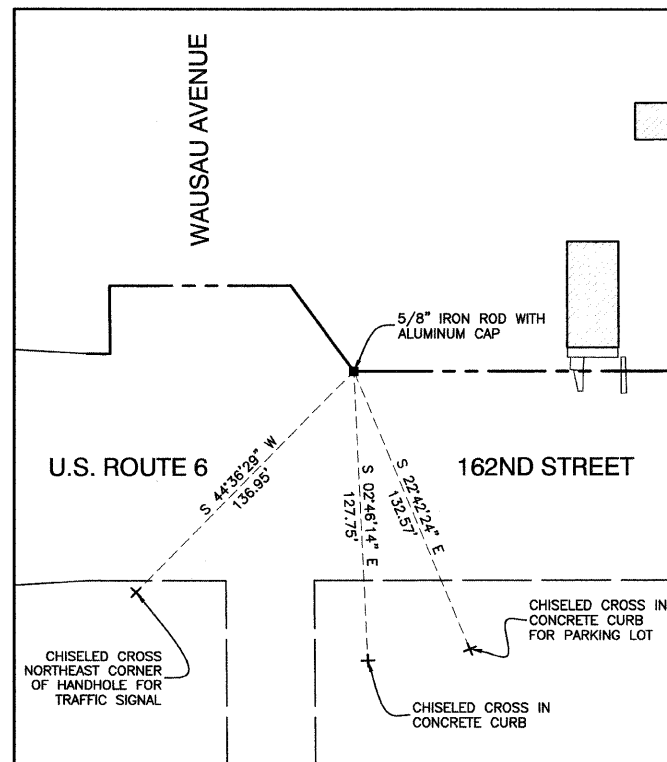
#13007 STATION 29+45.37 50.00' LEFT U.S. ROUTE 6 (162ND STREET)
NORTH=1798020.5262 EAST=1182039.3445



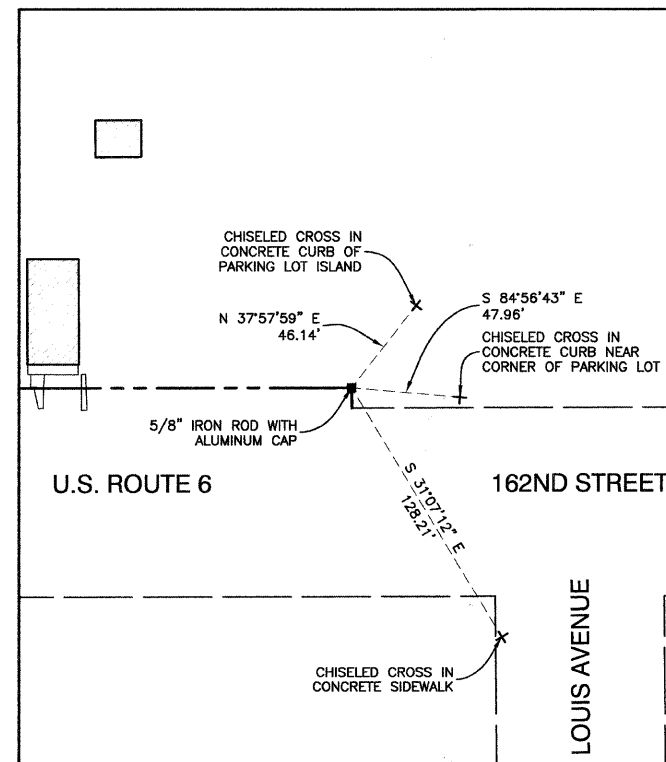
#13008 STATION 29+45.10 80.00' LEFT U.S. ROUTE 6 (162ND STREET)
STATION 57+24.35 40.00' LEFT WAUSAU AVENUE
NORTH=1798050.5237 EAST=1182039.0143



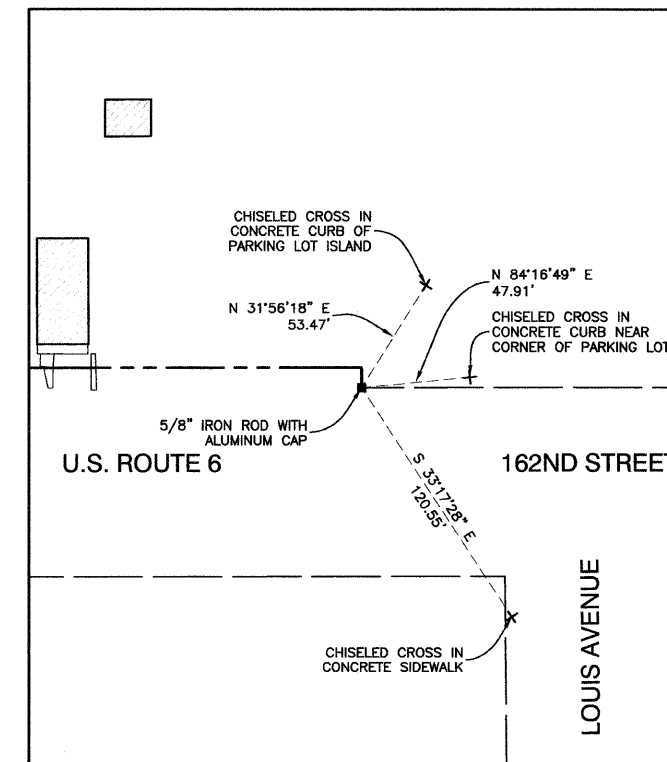
#13009 STATION 30+25.11 80.00' LEFT U.S. ROUTE 6 (162ND STREET)
STATION 57+23.63 40.00' RIGHT WAUSAU AVENUE
NORTH=1798050.6862 EAST=1182119.0174



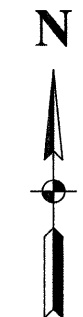
#13010 STATION 30+52.89 42.00' LEFT U.S. ROUTE 6 (162ND STREET)
NORTH=1798012.7446 EAST=1182146.8797



#13011 STATION 32+90.06 42.00' LEFT U.S. ROUTE 6 (162ND STREET)
NORTH=1798013.2262 EAST=1182384.0471



#13012 STATION 32+90.14 33.00' LEFT U.S. ROUTE 6 (162ND STREET)
NORTH=1798004.2264 EAST=1182384.1462



NOTE:

Coordinate values indicated hereon are based upon the North American Datum of 1983 adjustment of 2007 (N.A.D. '83 (2007)). The coordinate values are Illinois State Plane Eastern Zone estimated GROUND coordinates utilizing an average location for the length of the project having the following parameters:

WGS '84 North Latitude = 41°36'12.61512"
WGS '84 West Longitude = 87°36'26.31198"
WGS '84 Height = 489.412 U.S. Feet
Orthometric Height = 599.082 U.S. Feet (estimated utilizing Geoid '03)

Utilization of these parameters should yield a ground scale factor of 1.0000032937.

Bearing indicated hereon are referenced to the North American Datum of 1983 adjustment of 2007 (N.A.D. '83 (2007)) Illinois State Plane Eastern Zone

FILE NAME = 06959-ALGN-01 -TIE 02

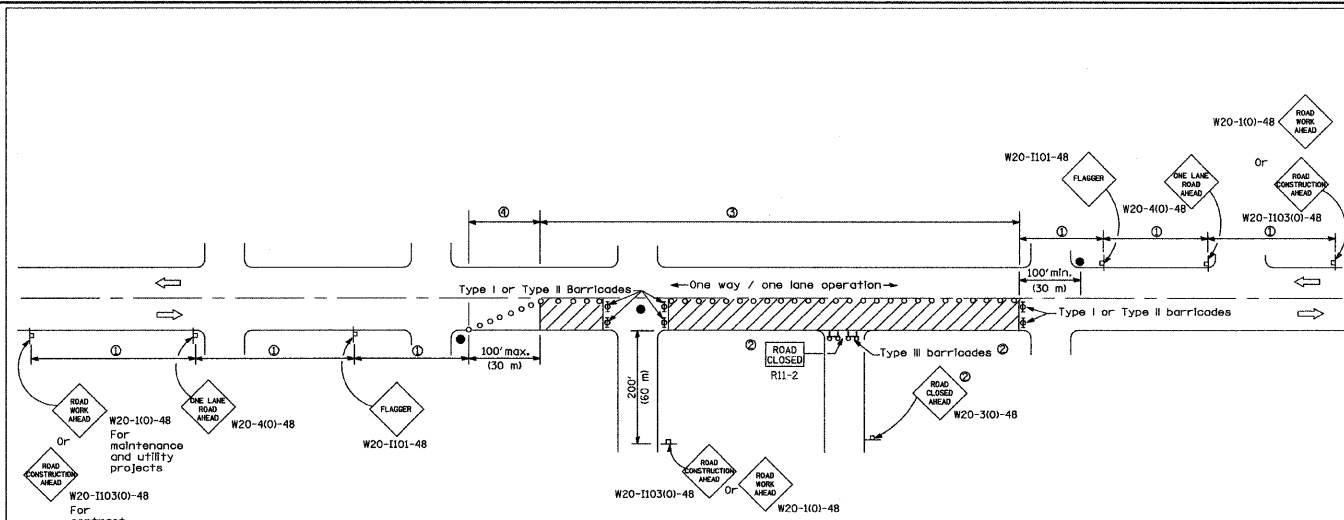
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PLOT SCALE =	DRAWN =	REG	REVISED =
PLOT DATE =	CHECKED =	REG	REVISED =

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 6 (162ND STREET) & WAUSAU AVENUE
INTERSECTION IMPROVEMENTS
ALIGNMENT AND TIES

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	09-00086-00-CH	COOK	43	7B
CONTRACT NO. 63261				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(330)				

SCALE: NONE SHEET NO. 7B OF 43 SHEETS STA. TO STA.



Posted Speed	Sign Spacing
55	500' (150 m)
50-45	350' (100 m)
<45	200' (60 m)

- SYMBOLS**
- Work area
 - Cone, drum or barricade (not required for moving operations)
 - Sign on portable or permanent support
 - Flagger with traffic control sign
 - Barricade or drum with flashing light
 - Type III barricade with flashing lights

- GENERAL NOTES**
- Refer to SIGN SPACING TABLE for distances.
 - For approved shoulder closures.
 - Cones at 25' (8 m) centers for 250' (75 m). Additional cones may be placed at 50' (15 m) centers. When drums or Type I or Type II barricades are used, the interval between devices may be doubled.
 - Cones, drums or barricades at 20' (6 m) centers.

GENERAL NOTES

This Standard is used where at any time, day or night, any vehicle, equipment, workers or their activities encroach on the pavement requiring the closure of one traffic lane in an urban area.

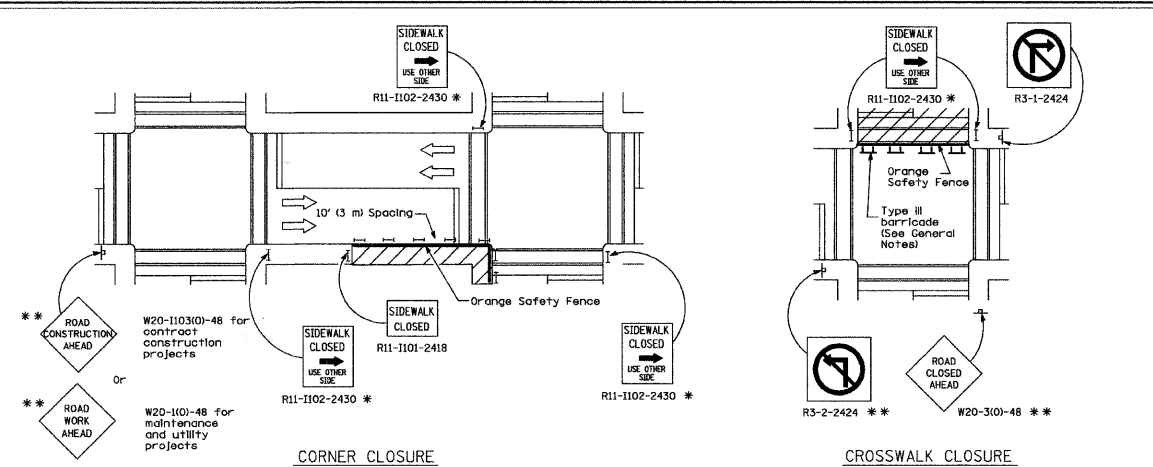
All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-09	Switched units to English (metric). Corrected sign No.'s.
1-1-08	Added note ④

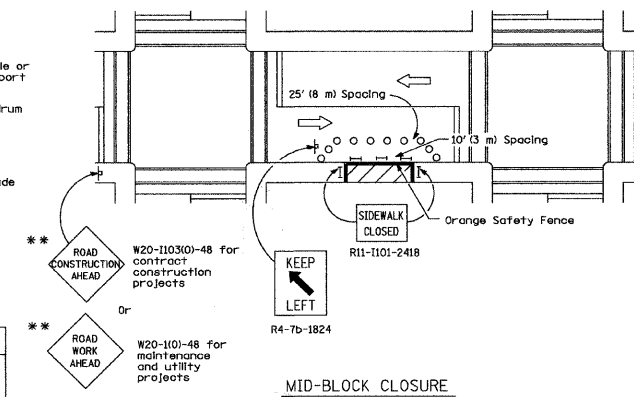
URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
STANDARD 701501-05

Illinois Department of Transportation
APPROVED: [Signature] JUNE 1, 2009
DESIGNED BY: [Signature]
APPROVED: [Signature] JUNE 1, 2009
DESIGNER OF RECORD: [Signature]

Illinois Department of Transportation
APPROVED: [Signature] JUNE 1, 2009
DESIGNED BY: [Signature]
APPROVED: [Signature] JUNE 1, 2009
DESIGNER OF RECORD: [Signature]

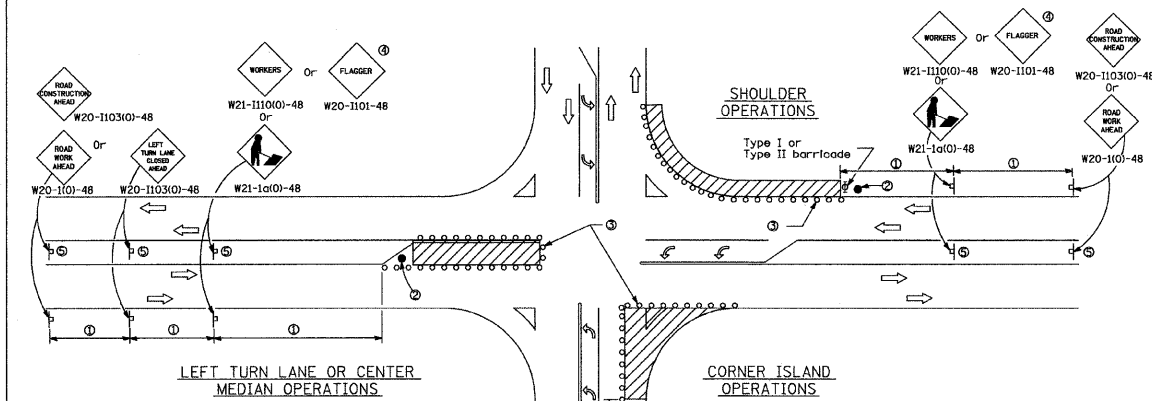


- SYMBOLS**
- Work area
 - Sign on portable or permanent support
 - Barricade or drum
 - Cone, drum or barricade
 - Type III barricade



- GENERAL NOTES**
- Where, at any time, pedestrian traffic must be rerouted due to work being performed.
- The SIDEWALK CLOSED / USE OTHER SIDE sign shall be placed at the nearest crosswalk or intersection to each end of the closure. Where the closure occurs at a corner, the signs shall be erected on the corners across the street from the closure. The SIDEWALK CLOSED signs shall be used at the ends of the actual closures.
- Type III barricades and R11-2-4830 signs shall be positioned as shown in "ROAD CLOSED TO ALL TRAFFIC" detail on Standard 709001.
- All dimensions are in inches (millimeters) unless otherwise shown.
- | DATE | REVISIONS |
|--------|---|
| 1-1-09 | Switched units to English (metric). 702001 to 709001. |
| 1-1-00 | Revised Standard Title and KEEP LEFT sign number. |
- LANE CLOSURE MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE**
STANDARD 701801-04

Illinois Department of Transportation
APPROVED: [Signature] JUNE 1, 2009
DESIGNED BY: [Signature]
APPROVED: [Signature] JUNE 1, 2009
DESIGNER OF RECORD: [Signature]



Posted Speed	Sign Spacing
55	500' (150 m)
50-45	350' (100 m)
<45	200' (60 m)

- GENERAL NOTES**
- Refer to SIGN SPACING TABLE for distance.
 - Required for speed > 40 mph.
 - Cones at 25' (8 m) centers for 250' (75 m). Additional cones may be placed at 50' (15 m) centers. When drums or Type I or Type II barricades are used, the interval between devices may be doubled.
 - Use flagger sign only when flagger is present.
 - Omit this sign when median is less than 10' (3 m) or for bi-directional turn lanes.
 - Cones, drums or barricades at 20' (6 m) centers in taper.

- SYMBOLS**
- Work area
 - Cone, drum or barricade
 - Sign on portable or permanent support
 - Arrow board
 - Barricade or drum with flashing light
 - Flagger with traffic control sign

GENERAL NOTES

This Standard is used where at any time, day or night, any vehicle, equipment, workers or their activities encroach on the pavement during shoulder operations or where construction requires lane closures in an urban area.

Calculate L as follows:

SPEED LIMIT FORMULAS

40 mph (70 km/h) or less: $L = \frac{WS^2}{60}$ English (Metric) $L = \frac{WS^2}{150}$

45 mph (80 km/h) or greater: $L = (W)(S)$ $L = 0.65(W)(S)$

W = Width of offset in feet (meters).

S = Normal posted speed mph (km/h).

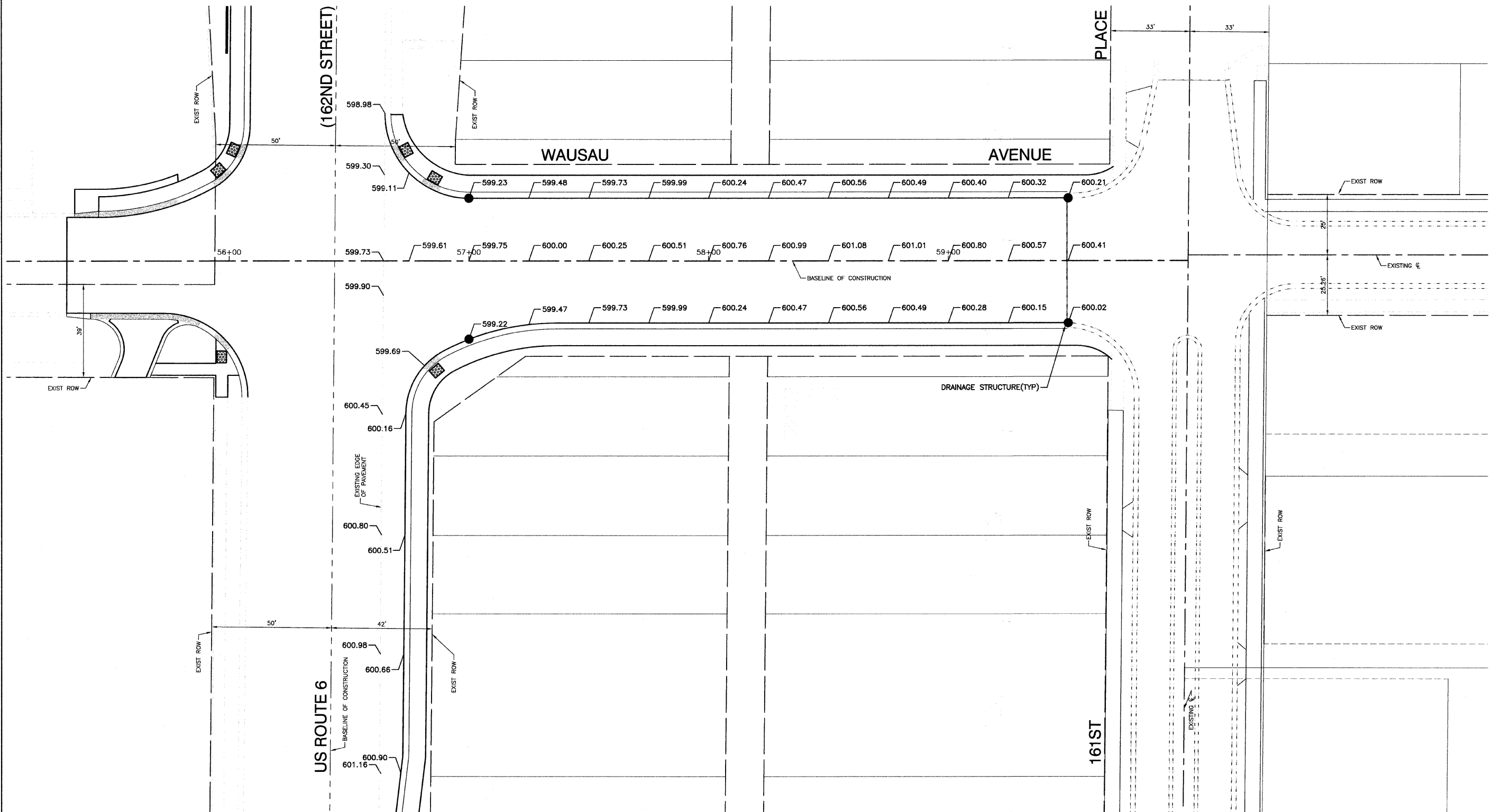
All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-09	Switched units to English (metric). Corrected sign No.'s.
1-1-08	Added note ②

URBAN LANE CLOSURE, MULTILANE INTERSECTION
STANDARD 701701-06

Illinois Department of Transportation
APPROVED: [Signature] JUNE 1, 2009
DESIGNED BY: [Signature]
APPROVED: [Signature] JUNE 1, 2009
DESIGNER OF RECORD: [Signature]

Illinois Department of Transportation
APPROVED: [Signature] JUNE 1, 2009
DESIGNED BY: [Signature]
APPROVED: [Signature] JUNE 1, 2009
DESIGNER OF RECORD: [Signature]



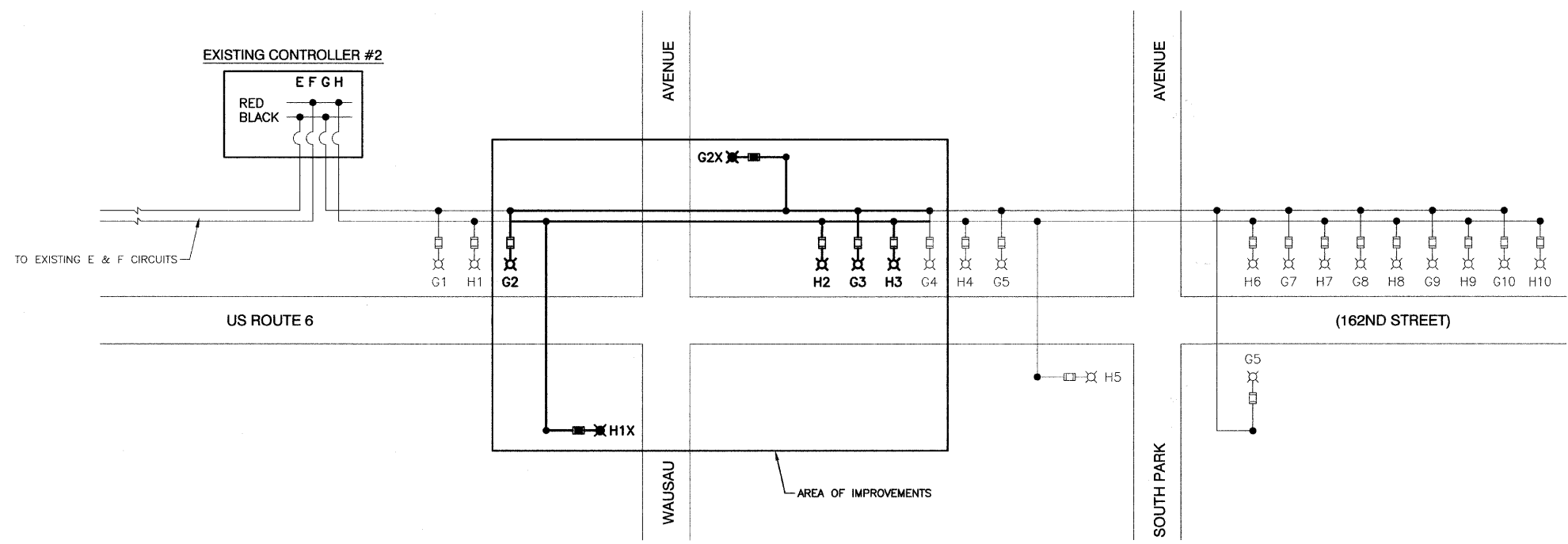
FILE NAME = 06659-PLAN-01 - P01
 PLOT SCALE = 1"=20'
 PLOT DATE = 8-19-09

USER NAME =	DESIGNED -- PKB	REVISED --
	CHECKED -- PKB	REVISED --
	DRAWN -- PS	REVISED --
	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

US ROUTE 6 (162ND STREET) & WAUSAU AVENUE
 INTERSECTION IMPROVEMENTS
 PAVEMENT ELEVATION PLAN
 SCALE: 1"=20' SHEET NO. 12 OF 43 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	09-00086-00-CH	COOK	43	12
CONTRACT NO. 63261				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9009(350)				



LEGEND

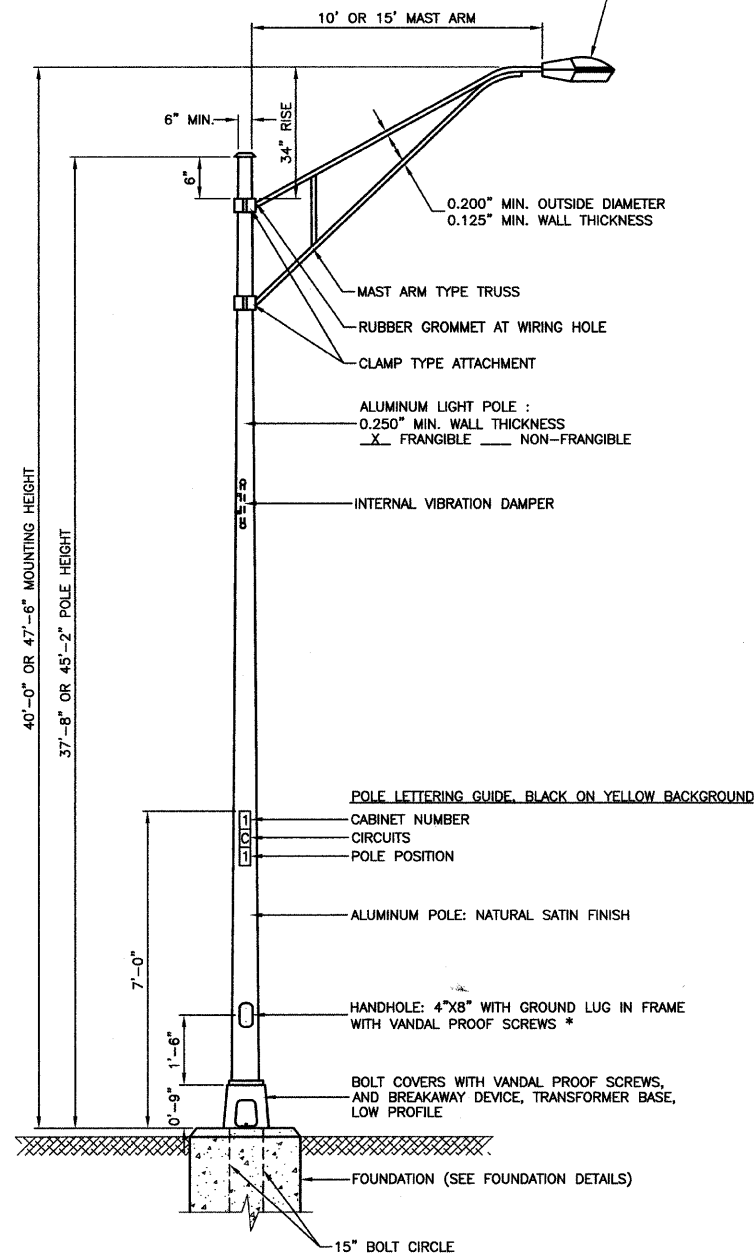
- ⊗ EXISTING LUMINAIRE, 400W HPS
- ⊗ PROPOSED LUMINAIRE, 250W HPS
- ⊗ LUMINAIRE TO BE REMOVED AND REPLACED, 400W HPS
- FUSE, 5.0 AMP
- FUSE, 3.5 AMP
- A1 LUMINAIRE CIRCUIT
- ⌋ CIRCUIT BREAKER
- CONNECTION



FILE NAME = 06659-LGHT-03 - P01	USER NAME =	DESIGNED -- PAP	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US ROUTE 6 (162ND STREET) & WAUSAU AVENUE INTERSECTION IMPROVEMENTS SINGLE LINE WIRING DIAGRAM			F.A.P. RTE. 351	SECTION 09-00086-00-CH	COUNTY COOK	TOTAL SHEETS 43	SHEET NO. 16
	PLOT SCALE =	DRAWN -- PS	REVISED --		SCALE: N/A	SHEET NO. 16	OF 43 SHEETS	STA.	TO STA.	CONTRACT NO.		
PLOT DATE = PKB	CHECKED -- AG	REVISED --	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT M-9003(330)									

LUMINAIRE:
 400 WATT HIGH PRESSURE SODIUM LAMP
 240 VOLT BALLAST
 I.E.S. TYPE: MC III LIGHT DISTRIBUTION
 LENS TYPE: FLAT
 INITIAL LAMP LUMENS: 51,000
 LAMP LIFE: 24,000 HOURS

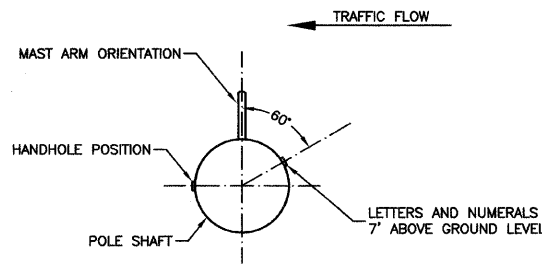
OR
 250 WATT HIGH PRESSURE SODIUM LAMP
 240 VOLT BALLAST
 I.E.S. TYPE: MC III LIGHT DISTRIBUTION
 LENS TYPE: FLAT GLASS
 INITIAL LAMP LUMENS: 28,000
 LAMP LIFE: 24,000 HOURS



NOTES:

1. THE LIGHTING UNITS SHALL MEET AASHTO DESIGN CRITERIA. DESIGN FOR 90 M.P.H. WIND WITH 30% GUST AND 75 POUND LUMINAIRE HAVING AN E.P.A. OF 1.6 SQ. FT. AND PROPER ICE LOADING.
2. ALUMINUM ALLOY 6063-T6 SHALL BE USED.

TYPICAL POLE INSTALLATION

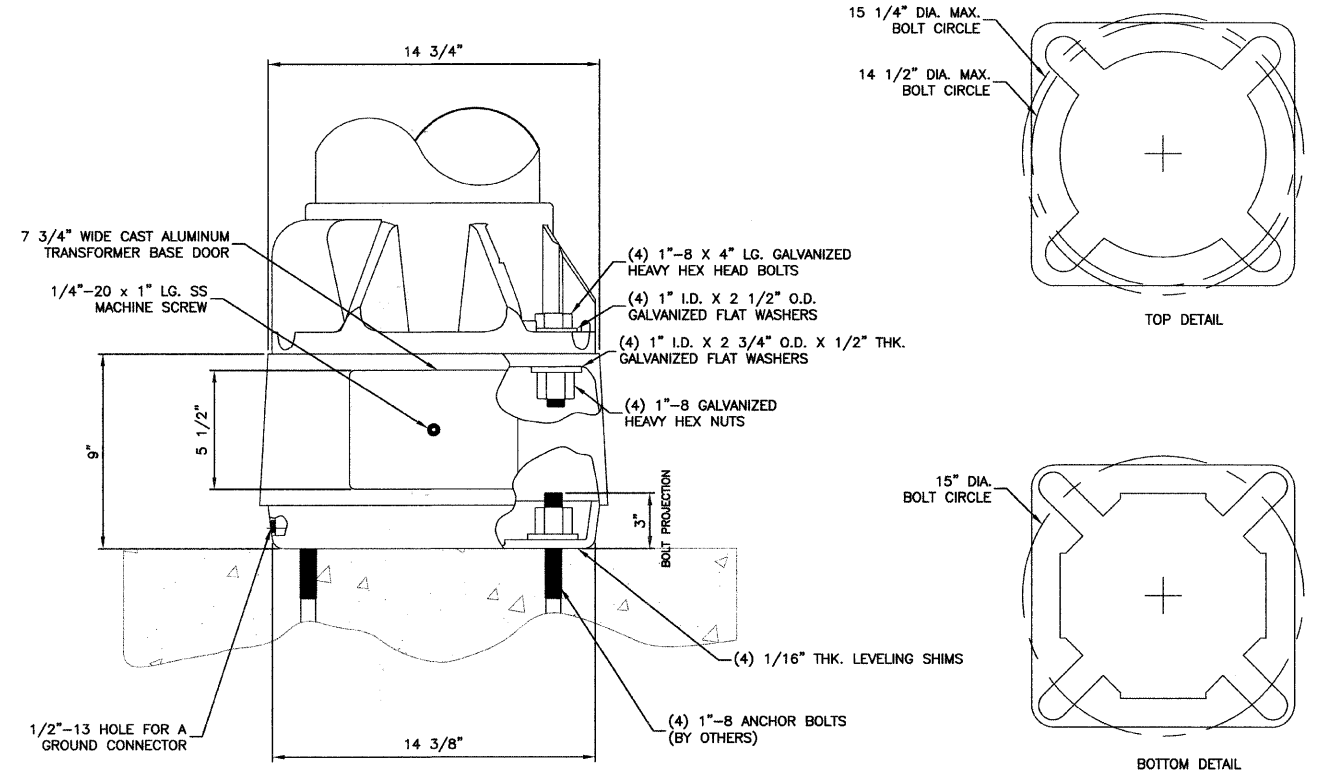


POSITION OF HANDHOLE AND NUMERALS ON POLE

* - BUTTON HEAD SOCKET SET SCREW TYPE OF SCREWS PREFERRED FOR THIS APPLICATION

IMPORTANT NOTE:

TRANSFORMER BASE AND LIGHTPOLE TO BE LEVELED AS ONE UNIT. USING LEVELING SHIMS IF REQUIRED.

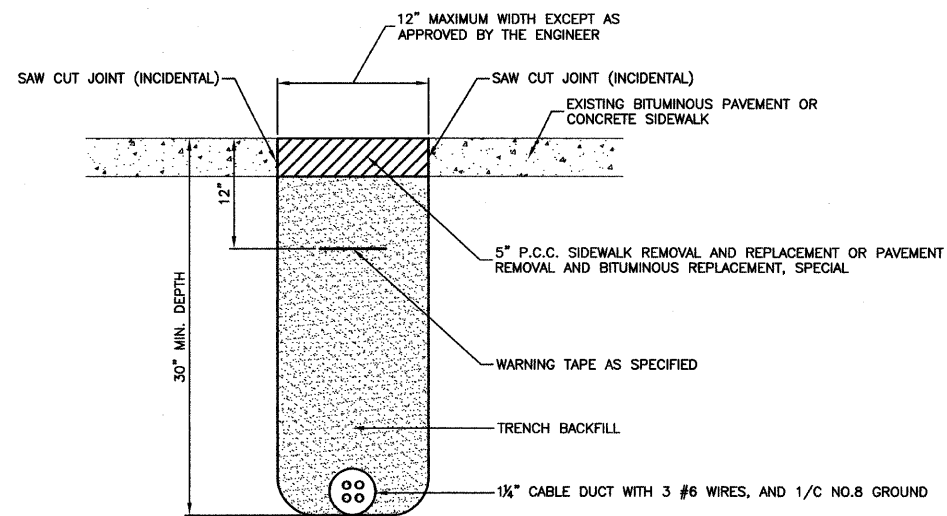


BREAKAWAY TRANSFORMER BASE DETAIL*

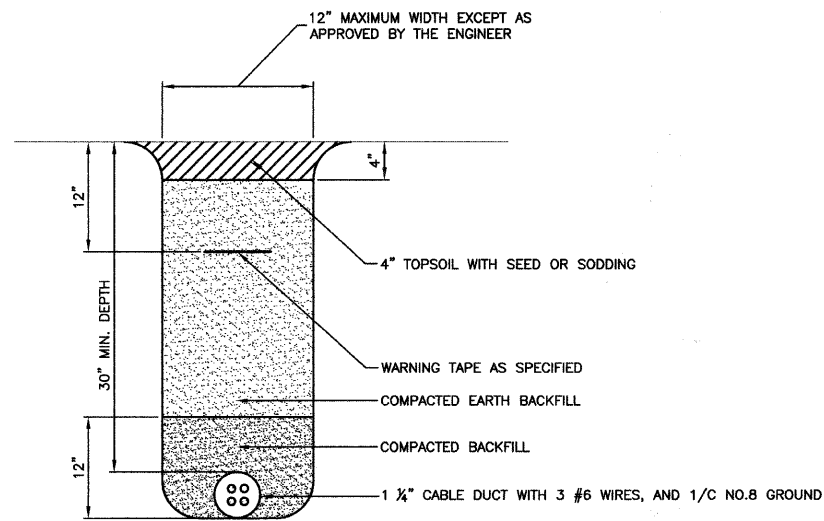
* EXISTING BREAKAWAY BASES TO BE RE-USED WHERE POSSIBLE. ENGINEER WILL DETERMINE IF BASES CAN BE RE-USED AFTER DISASSEMBLY.



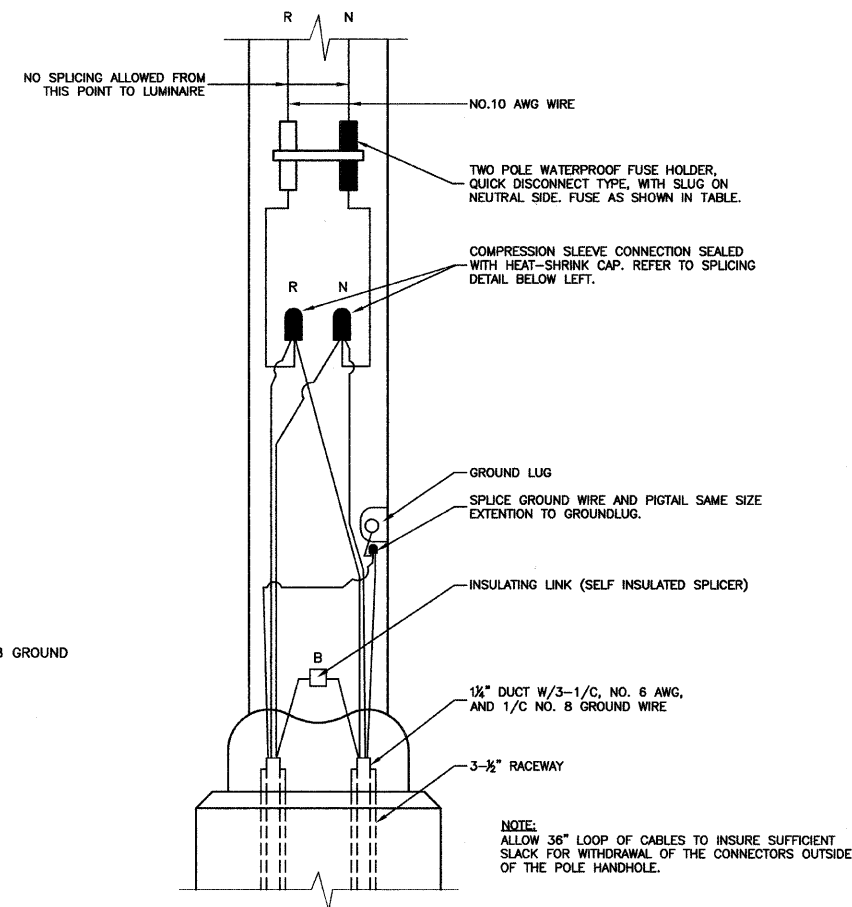
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	PLOT SCALE =	CHECKED -- PKB	REVISED --			SCALE: NONE	SHEET NO. 17 OF 43 SHEETS	STA. TO STA.	CONTRACT NO. 63261			
	PLOT DATE = 8-19-09	DRAWN -- PS	REVISED --			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(330)						
		CHECKED -- AG	REVISED --									



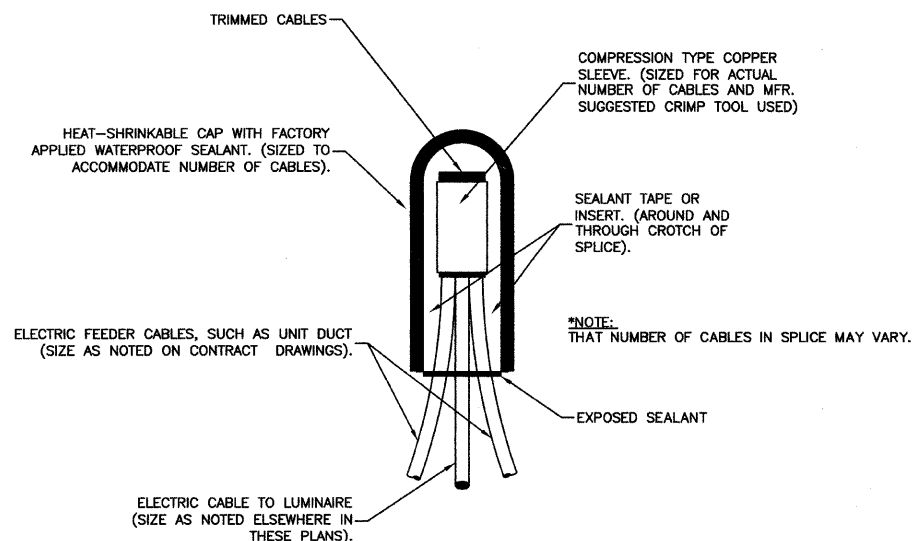
BITUMINOUS PAVEMENT OR CONCRETE SIDEWALK REMOVAL AND REPLACEMENT



TRENCH DETAIL



POLE HANDHOLE WIRING DIAGRAM
(TYPICAL FOR SINGLE LUMINAIRE INSTALLATION)
RED PHASE SHOWN



**SPLICING ELECTRIC CABLES
BASIC MATERIALS AND METHODS**

LIGHTING GENERAL NOTES

1. ALL WORK TO CONFORM TO THE NATIONAL ELECTRICAL CODE AND ANY APPLICABLE LOCAL CODES.
2. CONTRACTOR TO VERIFY LOCATION OF ALL UNDERGROUND UTILITIES BEFORE TRENCHING OR AUGERING.
3. BEFORE INSTALLING STANDARDS NEAR OVERHEAD FACILITIES CALL C.E. Co. FOR APPROVAL OF LOCATION.
4. FOR LOCATION OF EXISTING UNDERGROUND ELECTRICAL CABLE CALL C.E. Co.
5. SIZE ALL CONDUIT AS SPECIFIED ON DRAWINGS.
6. CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO RESTORE ANY SPECIALIZED LANDSCAPING, (I.E. DECORATIVE ROCKS, SHRUBS, PLANTS, ECT.) OR SHALL REPLACE IT, THE COST OF WHICH SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.

NOMINAL WATTAGE	FUSE SIZE
250	3.5 AMP
400	5.0 AMP

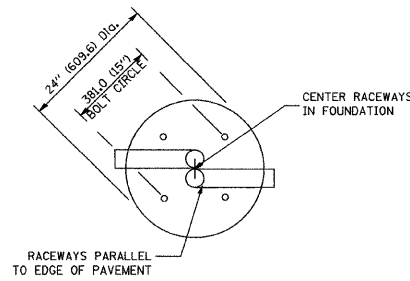
LUMINAIRE FUSE SIZE TABLE



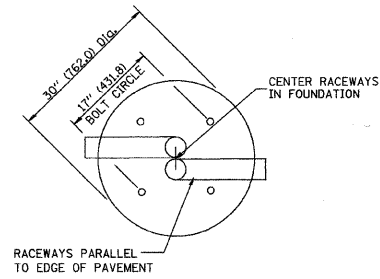
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	PLOT SCALE =	DRAWN -- PS	REVISED --		SCALE: NONE	SHEET NO. 18 OF 43 SHEETS	STA. TO STA.	CONTRACT NO. 63261				
	PLOT DATE = 8-19-09	CHECKED -- AG	REVISED --		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(330)							

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

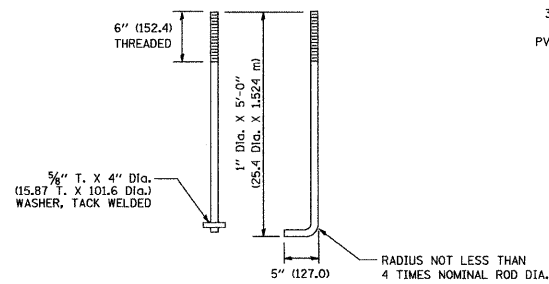
SOIL CONDITIONS	DESIGN DEPTH "D" OF FOUNDATION	
	SINGLE ARM POLE	TWIN ARM POLE
SOFT CLAY Qu = 0.375 TON/SQ. FT.	13'-0" (3.96 m)	15'-0" (4.57 m)
MEDIUM CLAY Qu = 0.75 TON/SQ. FT.	9'-6" (2.93 m)	10'-9" (3.23 m)
STIFF CLAY Qu = 1.50 TON/SQ. FT.	7'-0" (2.13 m)	8'-0" (2.44 m)
LOOSE SAND φ = 34°	9'-0" (2.74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



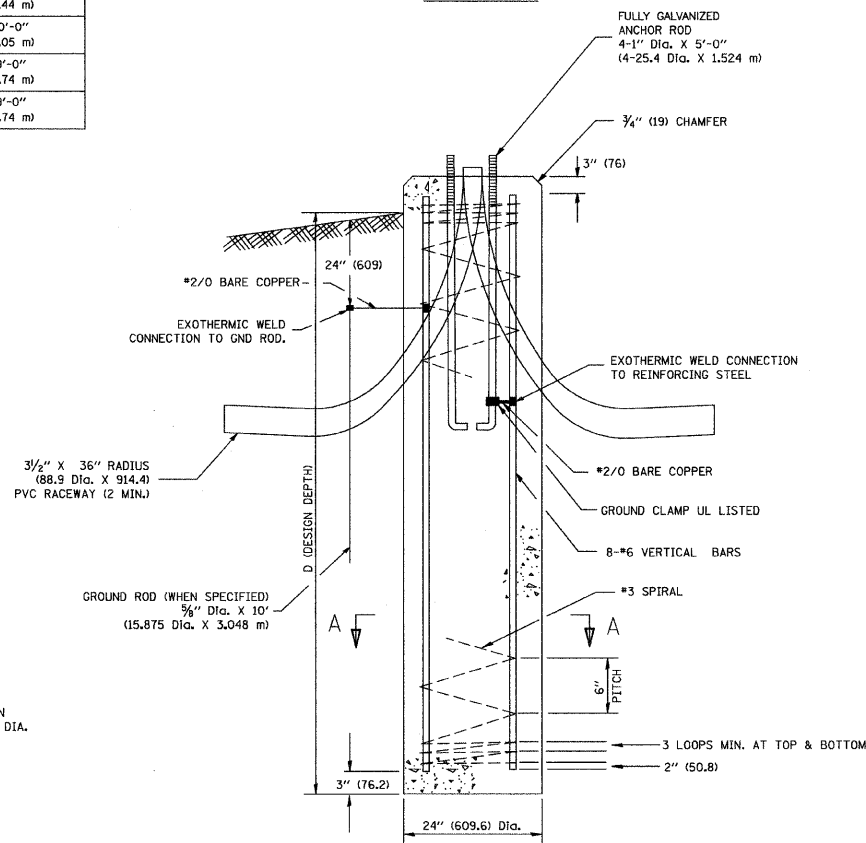
TOP VIEW



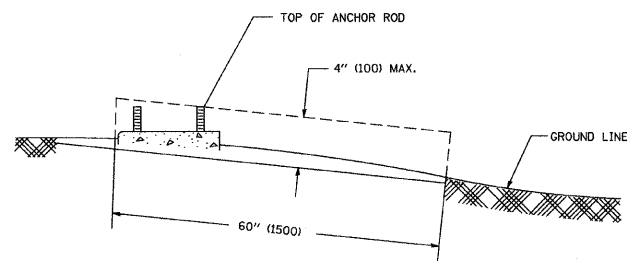
TOP VIEW



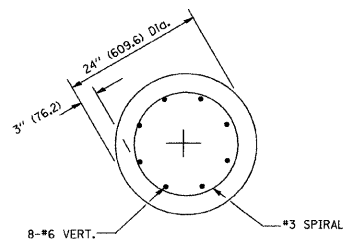
ANCHOR ROD DETAIL



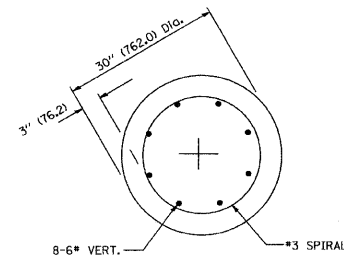
FOUNDATION DETAIL



FOUNDATION EXTENSION DETAIL



SECTION A-A



SECTION A-A

NOTES

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



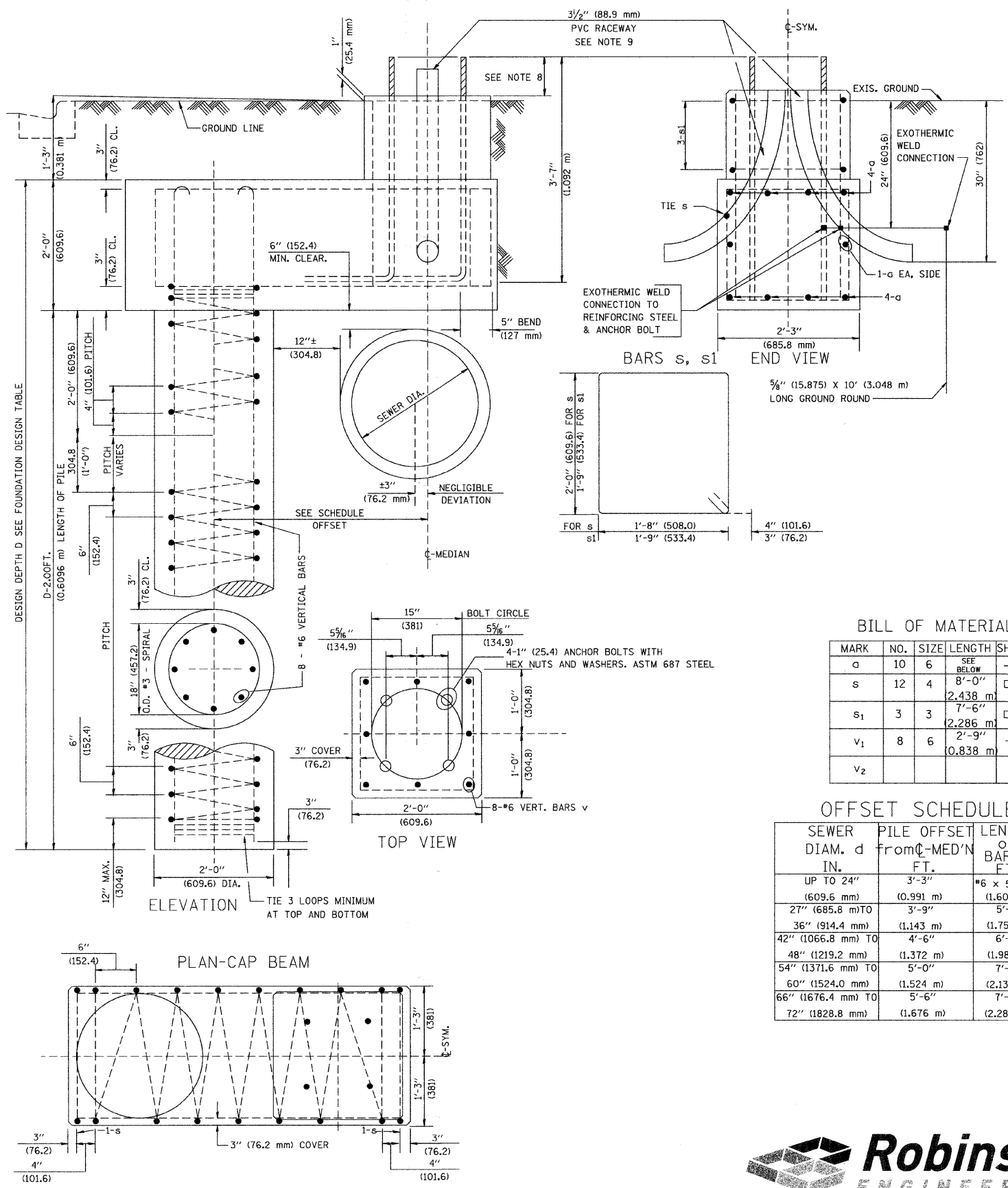
FILE NAME = 06859-LGHT-02 - P03	USER NAME =	DESIGNED -- MRS	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US ROUTE 6 (162ND STREET) & WAUSAU AVENUE INTERSECTION IMPROVEMENTS LIGHTING DETAILS		F.A.P. RTE. 351	SECTION 09-00086-00-CH	COUNTY COOK	TOTAL SHEETS 43	SHEET NO. 19	
	PLOT SCALE =	CHECKED -- PKB	REVISED --		SCALE: NONE	SHEET NO. 19 OF 43 SHEETS	STA. TO STA.	CONTRACT NO. 63261				
	PLOT DATE = 8-19-09	DRAWN -- PS	REVISED --		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(330)							
		CHECKED -- AG	REVISED --									

FOUNDATION DESIGN TABLE

TYPE OF SOIL	DESIGN DEPTH OF FOUNDATION		REINFORCEMENT IN FOUNDATION			
	SINGLE ARM D	TWIN ARM D	SINGLE ARM		TWIN ARM	
			VERT BARS	SPIRAL	VERT BARS	SPIRAL
SOFT CLAY	13'-0" (3.962 m)	15'-0" (4.572 m)	8-#6X12'-6" (3.810 m)	#3X122' (37.186 m)	8-#6X14'-3" (4.343 m)	#3X141' (42.977 m)
MEDIUM CLAY	9'-6" (2.896 m)	10'-9" (3.277 m)	8-#6X9'-0" (2.743 m)	#3X90' (27.432 m)	8-#6X10'-0" (3.048 m)	#3X100' (30.480 m)
STIFF CLAY	7'-0" (2.134 m)	8'-0" (2.438 m)	8-#6X6'-6" (1.981 m)	#3X66' (20.112 m)	8-#6X7'-6" (2.286 m)	#3X76' (23.165 m)
LOOSE SAND	9'-0" (2.743 m)	10'-0" (3.048 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)	8-#6X9'-6" (2.896 m)	#3X94' (28.651 m)
MEDIUM SAND	8'-3" (2.515 m)	9'-0" (2.743 m)	8-#6X8'-0" (2.438 m)	#3X78' (23.774 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)
DENSE SAND	7'-9" (2.362 m)	9'-0" (2.743 m)	8-#6X7'-6" (2.286 m)	#3X73' (22.250 m)	8-#6X8'-6" (2.591 m)	#3X85' (25.908 m)
ROCK OR SOLIDIFIED SLAG	5'-0" (1.524 m)	5'-0" (1.524 m)	NONE	NONE	NONE	NONE

NOTES

- ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.
- THE ENGINEER SHALL DETERMINE THE CLASS OF SOIL DURING EXCAVATION AND SELECT THE DESIGN DEPTH OF FOUNDATION FROM THE DESIGN TABLE.
- EXCAVATION OF THE POLE FOUNDATION SHALL BE MADE WITH AN AUGER, 24" (609.6 mm) OR 30" (762.0 mm) IN DIAMETER.
- THE ANCHOR ROD SHALL BE A HOOK ROD TYPE. COLD BENDING OF THE ANCHOR ROD WILL NOT BE ALLOWED. THE RADIUS OF THE HOOK BEND SHALL NOT BE LESS THAN 4 TIMES THE NOMINAL DIAMETER OF THE ANCHOR ROD. A TACK WELDED ANCHOR ROD MAY BE SUBSTITUTED WITH THE APPROVAL OF THE ENGINEER.
- THE ANCHOR BOLTS AND RACEWAYS SHALL BE PROPERLY SECURED IN PLACE BEFORE THE CONCRETE IS PLACED IN THE FORM.
- THE ANCHOR RODS SHALL BE ACCORDING TO ASTM F1554 GRADE 725 (GRADE 105). NUTS SHALL BE HEXAGON NUTS ACCORDING TO ASTM A 194 2H OR ASTM A 563 DH, AND WASHERS SHALL BE ACCORDING TO ASTM F 436.
- THE CONTRACTOR SHALL COORDINATE EXTENSION OF ANCHOR BOLTS ABOVE TOP OF FOUNDATION WITH THE BREAKAWAY DEVICE MANUFACTURER'S REQUIREMENTS. IF LIGHT POLE IS MOUNTED WITHOUT BREAKAWAY DEVICE, ANCHOR BOLTS SHALL PROJECT 2 3/4" (69.9 mm) ABOVE TOP OF THE FOUNDATION. THE CONTRACTOR SHALL CONFIRM ANCHOR BOLT EXTENTION WITH ENGINEER.
- RACEWAYS SHALL PROJECT 1" (25.4 mm) ABOVE THE TOP OF THE FOUNDATION.
- THE CABLE TRENCH SHALL BE BACKFILLED AND FIRMLY COMPACTED BEFORE THE LIGHT IS ERCTED.



BILL OF MATERIAL

MARK	NO.	SIZE	LENGTH	SHAPE
a	10	6	SEE BELOW	—
s	12	4	8'-0" (2,438 m)	□
s ₁	3	3	7'-6" (2,286 m)	□
v ₁	8	6	2'-9" (0,838 m)	—
v ₂				

OFFSET SCHEDULE

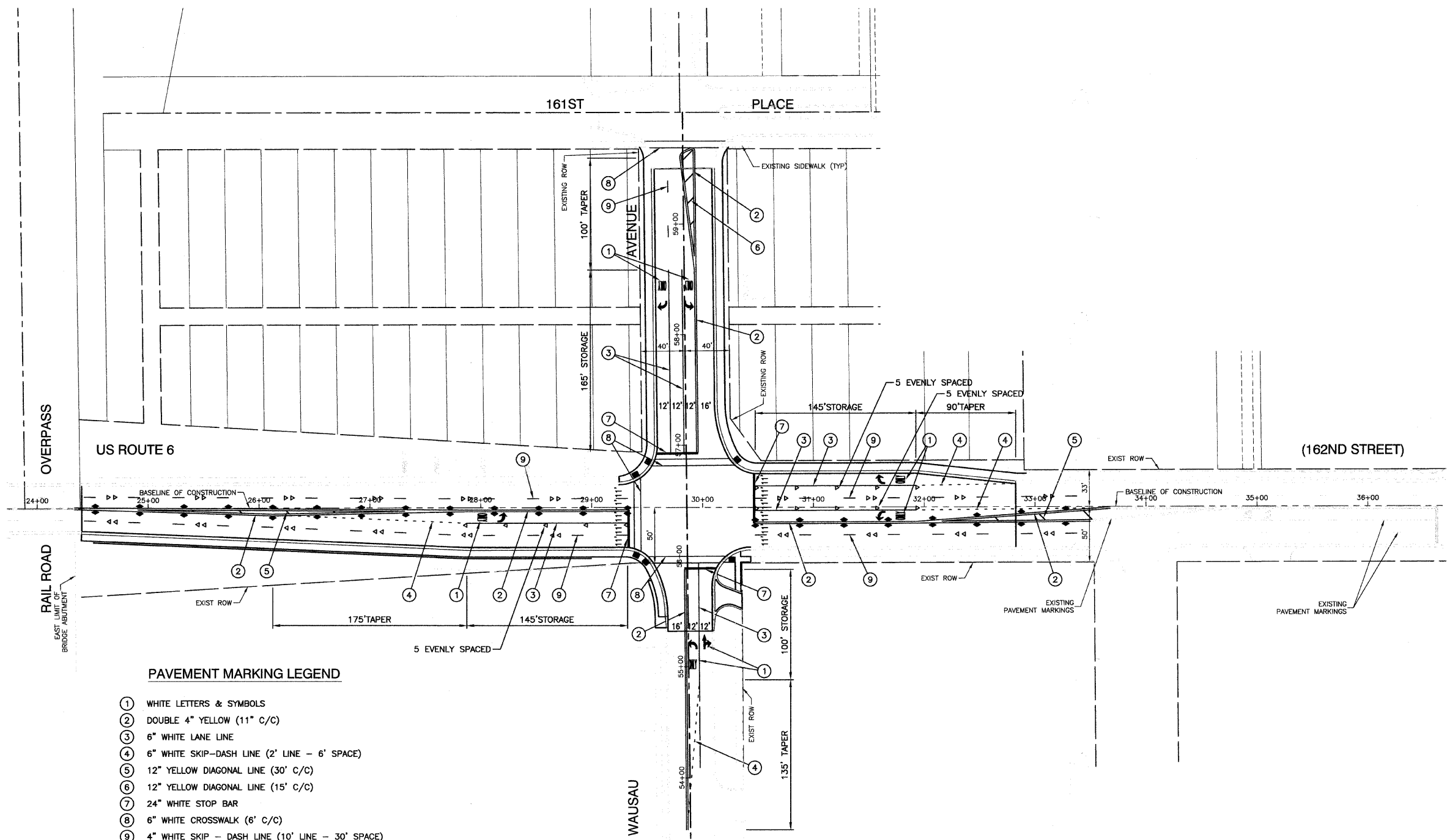
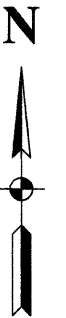
SEWER DIAM. d IN.	PILE OFFSET from C-MED'N FT.	LENGTH of BAR a FT.
UP TO 24" (609.6 mm)	3'-3" (0.991 m)	#6 x 5'-3" (1,600 m)
27" (685.8 mm) TO	3'-9" (1.143 m)	5'-9" (1,753 m)
36" (914.4 mm) TO	4'-6" (1.372 m)	6'-6" (1,981 m)
42" (1066.8 mm) TO	5'-0" (1,524 m)	7'-0" (2,134 m)
48" (1219.2 mm) TO	5'-6" (1,676 m)	7'-6" (2,286 m)
54" (1371.6 mm) TO	6'-0" (1,828.8 mm)	8'-0" (2,438 m)
60" (1524.0 mm) TO	6'-6" (1,981 m)	8'-6" (2,591 m)
66" (1676.4 mm) TO	7'-0" (2,134 m)	9'-0" (2,743 m)
72" (1828.8 mm) TO	7'-6" (2,286 m)	9'-6" (2,896 m)

FILE NAME = 06659-LGHT-02 - P04	USER NAME =	DESIGNED =	REVISED = 06-16-08 R. TOMSONS
		CHECKED =	REVISED =
	PLOT SCALE = 50.000' / IN	DRAWN =	REVISED =
	PLOT DATE = 8-19-09	CHECKED =	REVISED =

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

LIGHT POLE FOUNDATION OFFSET 40" (12.192 m) TO 47 1/2" (14.478 m) M.H. 15" (381 mm) BOLT CIRCLE		F.A.P. RTE. 351	SECTION 09-00086-00-CH	COUNTY COOK	TOTAL SHEETS 43	SHEET NO. 20
SCALE:	SHEET NO. 20 OF 43 SHEETS	STA. TO STA.	CONTRACT NO. 63261			
		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(330)				





- PAVEMENT MARKING LEGEND**
- ① WHITE LETTERS & SYMBOLS
 - ② DOUBLE 4" YELLOW (11" C/C)
 - ③ 6" WHITE LANE LINE
 - ④ 6" WHITE SKIP-DASH LINE (2' LINE - 6' SPACE)
 - ⑤ 12" YELLOW DIAGONAL LINE (30' C/C)
 - ⑥ 12" YELLOW DIAGONAL LINE (15' C/C)
 - ⑦ 24" WHITE STOP BAR
 - ⑧ 6" WHITE CROSSWALK (6' C/C)
 - ⑨ 4" WHITE SKIP - DASH LINE (10' LINE - 30' SPACE)
 - ◀ ONE-WAY CRYSTAL MARKER
40' C/C UNLESS OTHERWISE INDICATED
 - ◆ TWO-WAY AMBER MARKER
40' C/C UNLESS OTHERWISE INDICATED

NOTES:
 ALL PAVEMENT MARKINGS SHALL BE THERMOPLASTIC
 ALL EXISTING PAVEMENT MARKINGS SHALL BE REMOVED BEFORE NEW PAVEMENT MARKINGS ARE INSTALLED

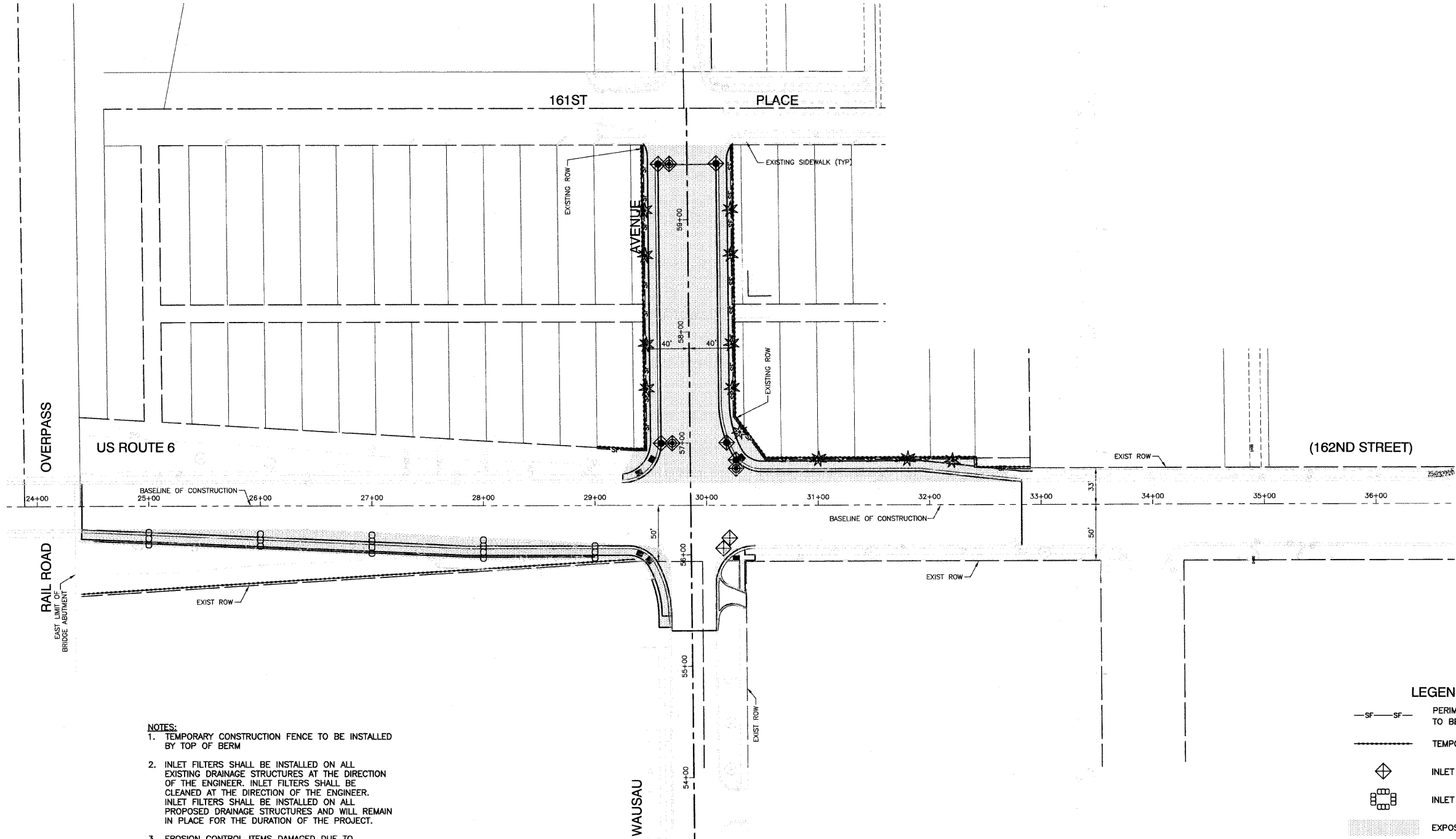
FILE NAME = 06659-PMKG-01 - IDOT P01
 USER NAME =
 PLOT SCALE = 1"=50'
 PLOT DATE = 8-19-09

DESIGNED - PKB	REVISED -
CHECKED - PKB	REVISED -
DRAWN - PS	REVISED -
CHECKED - AG	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

US ROUTE 6 (162ND STREET) & WAUSAU AVENUE
 INTERSECTION IMPROVEMENTS
 PAVEMENT MARKING & SIGNING
 SCALE: 1"=50' SHEET NO. 21 OF 43 SHEETS STA. TO STA.

F.A.P. RTE. 351	SECTION 09-00086-00-CH	COUNTY COOK	TOTAL SHEETS 43	SHEET NO. 21
CONTRACT NO. 63261				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(330)				



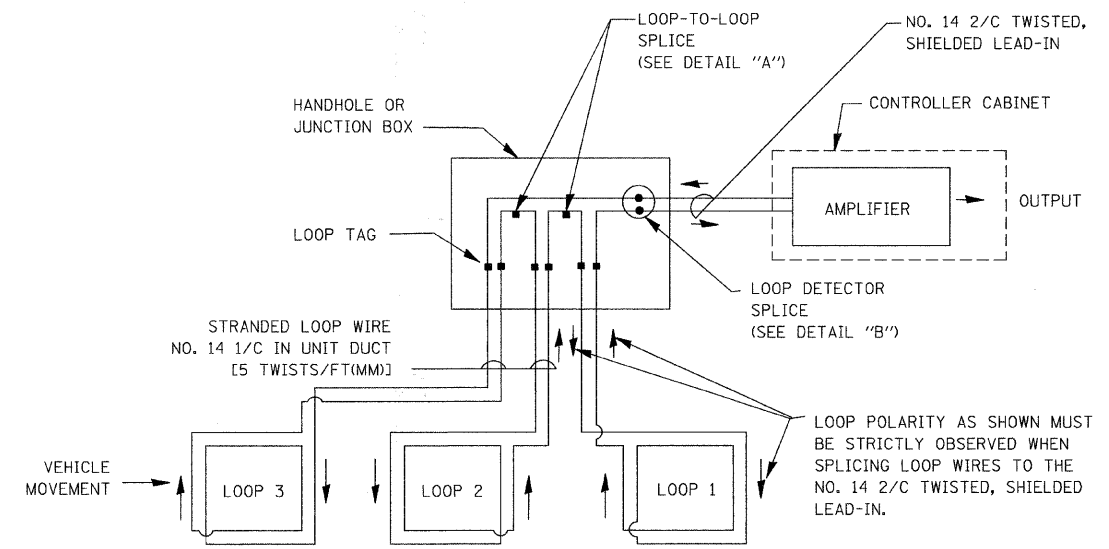
- NOTES:**
1. TEMPORARY CONSTRUCTION FENCE TO BE INSTALLED BY TOP OF BERM
 2. INLET FILTERS SHALL BE INSTALLED ON ALL EXISTING DRAINAGE STRUCTURES AT THE DIRECTION OF THE ENGINEER. INLET FILTERS SHALL BE CLEANED AT THE DIRECTION OF THE ENGINEER. INLET FILTERS SHALL BE INSTALLED ON ALL PROPOSED DRAINAGE STRUCTURES AND WILL REMAIN IN PLACE FOR THE DURATION OF THE PROJECT.
 3. EROSION CONTROL ITEMS DAMAGED DUE TO CONTRACTOR OPERATION SHALL BE REPLACED AT THE REQUEST OF THE ENGINEER. NO ADDITIONAL COMPENSATION WILL BE GIVEN FOR ITEMS REPLACED IN THIS MANNER.

- LEGEND**
- SF—SF— PERIMETER EROSION BARRIER TO BE PLACED 1' FROM R.O.W.
 - TEMPORARY CONSTRUCTION FENCE
 - ◇ INLET FILTER
 - INLET AND PIPE PROTECTION
 - EXPOSED EXCAVATION
 - TEMPORARY DITCH CHECKS
 - ★ PROPOSED TREE, CHANTICLEER PEAR
 - /// SODDING, (SPECIAL)

FILE NAME = 06659-UNSC-01 - IDOT P01	USER NAME =	DESIGNED — PKB	REVISED —	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US ROUTE 6 (162ND STREET) & WAUSAU AVENUE INTERSECTION IMPROVEMENTS LANDSCAPING & EROSION CONTROL		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 1"=50'	CHECKED — PKB	REVISED —				351	09-00086-00-CH	COOK	43	22
PLOT DATE = 8-19-09	DRAWN — PS	REVISED —		SCALE: 1"=50'	SHEET NO. 22 OF 43 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(330) CONTRACT NO. 63261				
	CHECKED — AG	REVISED —									

LOOP DETECTOR NOTES

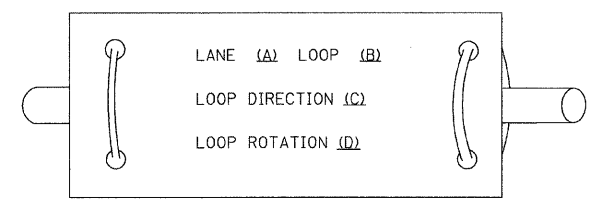
1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE UNIT DUCT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). UNIT DUCT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED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



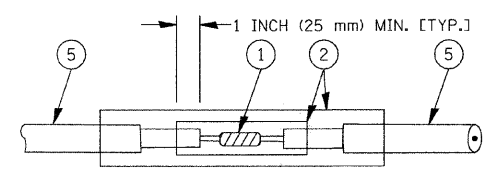
DETECTOR LOOP WIRING SCHEMATIC

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

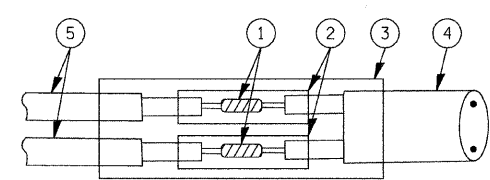
LOOP LEAD-IN CABLE TAG



- 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.



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



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

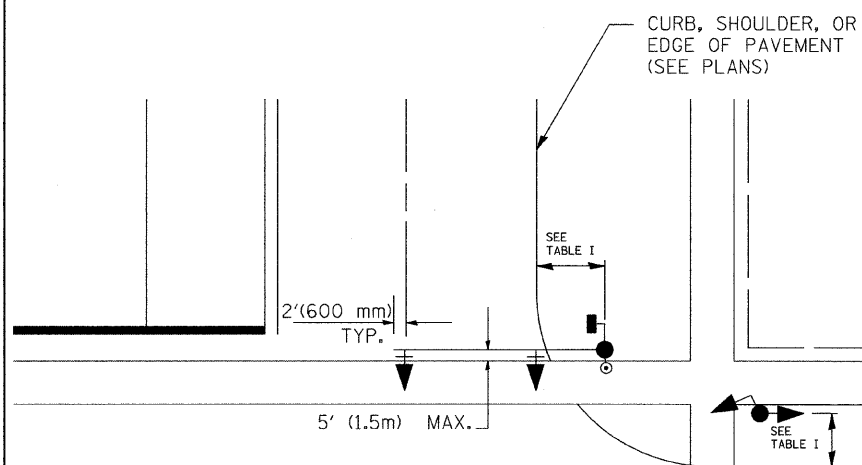
LOOP DETECTOR SPLICE

- 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.

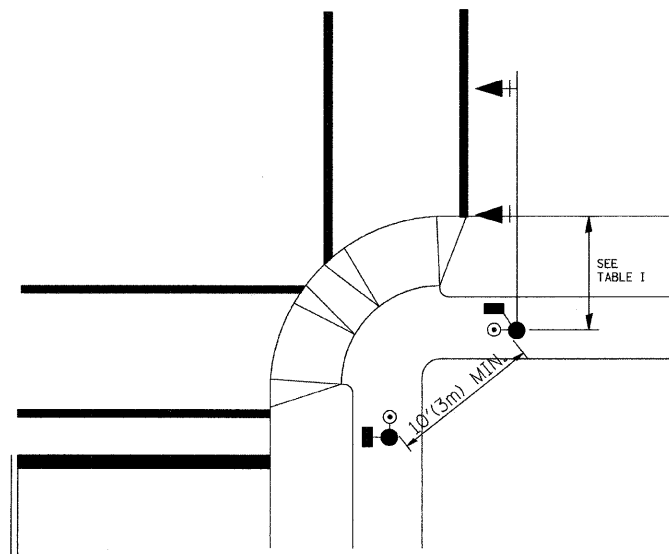
FILE NAME = 0959-DTIS-TS05a - TS-05a	USER NAME = geg/ianobt	DESIGNED = D.A.D.	REVISED = 11-12-01	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS	F.A.P. RTE. = 351	SECTION = 09-00086-00-CH	COUNTY = COOK	TOTAL SHEETS = 43	SHEET NO. = 23	
	PLOT SCALE = 50.0000' / IN.	DRAWN =	REVISED =			TS-05		CONTRACT NO. 63261			
	PLOT DATE = 1/4/2008	CHECKED = 05-30-00	REVISED =			SCALE:	SHEET NO. 23 OF 43 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT M-9003(330)

TRAFFIC SIGNAL MAST ARM AND POST

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



PEDESTRIAN SIGNAL PUSHBUTTON



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

NOTES:

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

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

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

PEDESTRIAN SIGNAL POST

PEDESTRIAN SIGNAL HEAD AND PEDESTRIAN PUSHBUTTON DETECTOR LOCATION

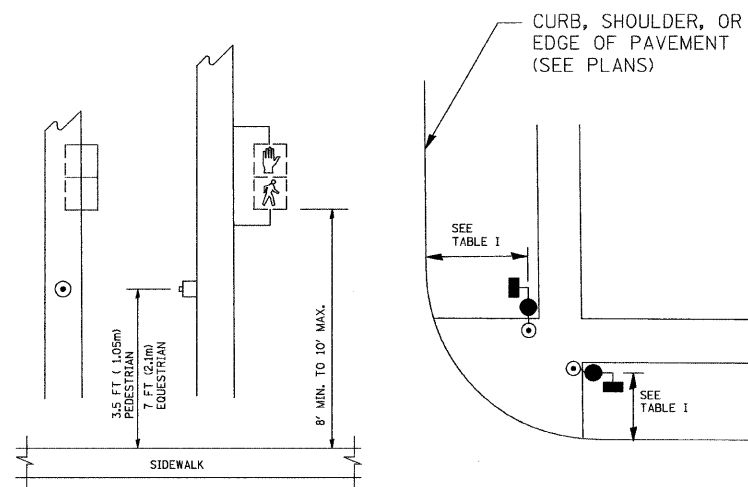


TABLE I

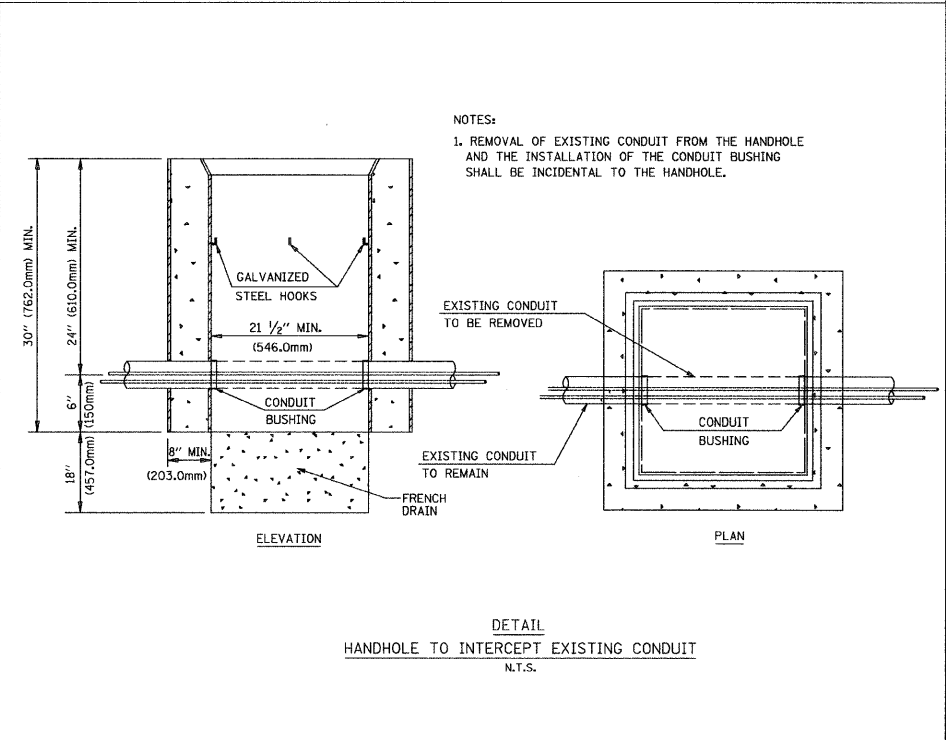
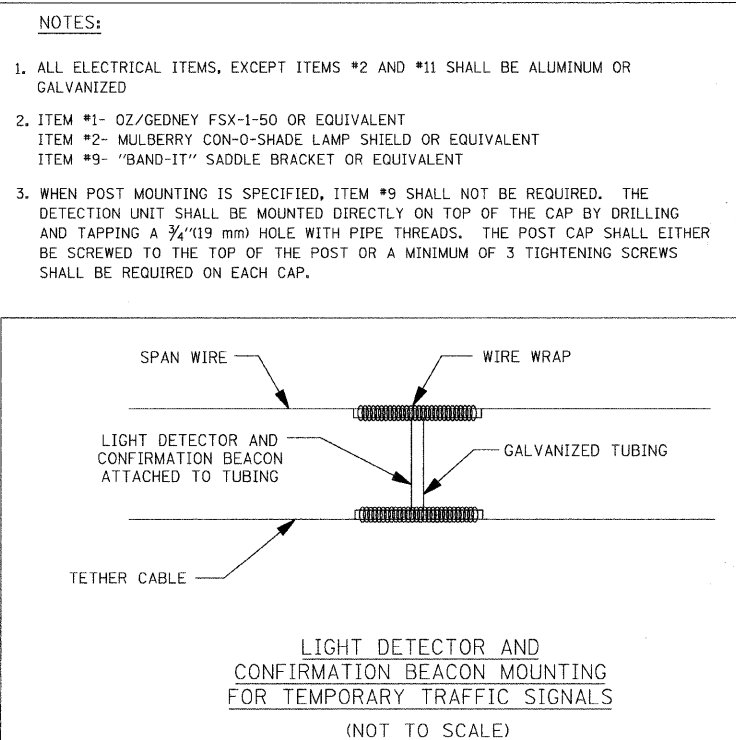
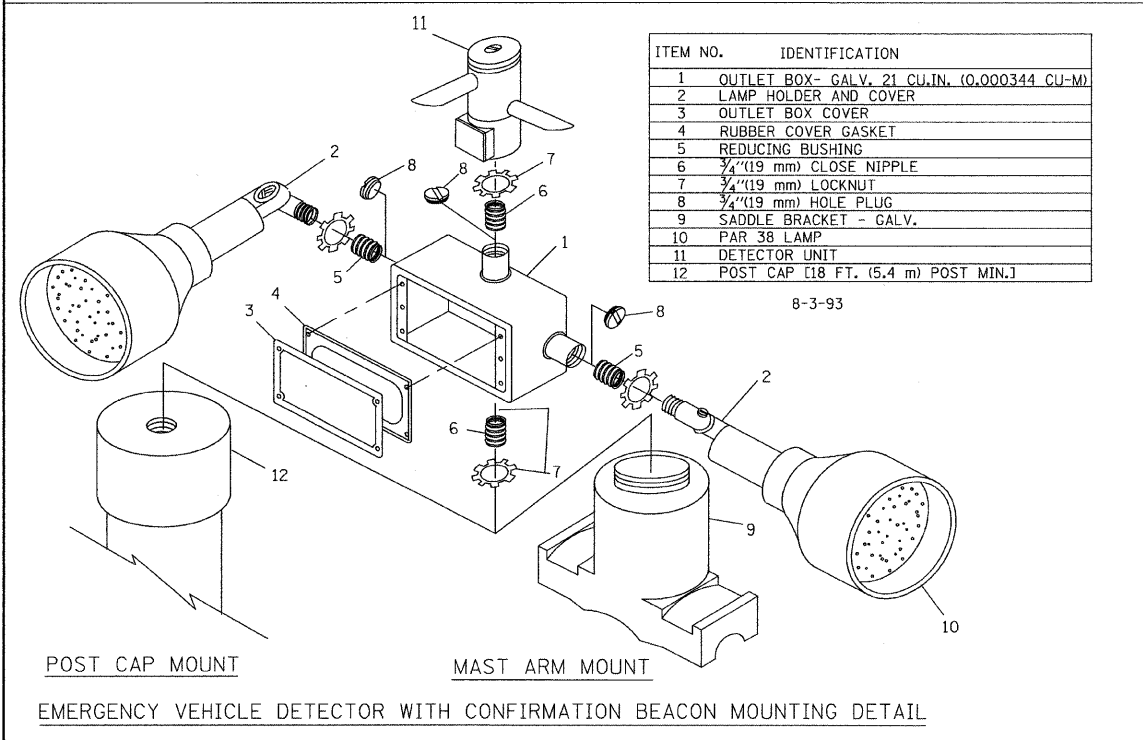
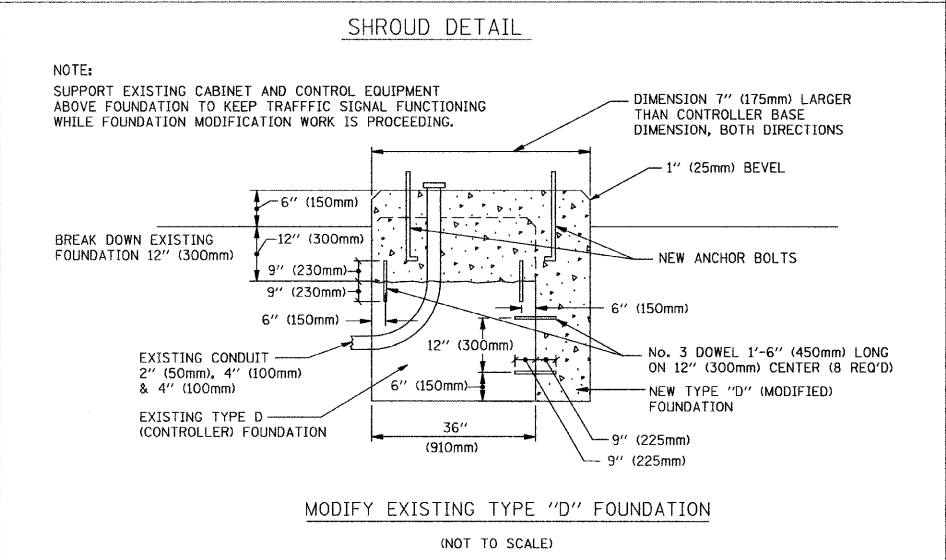
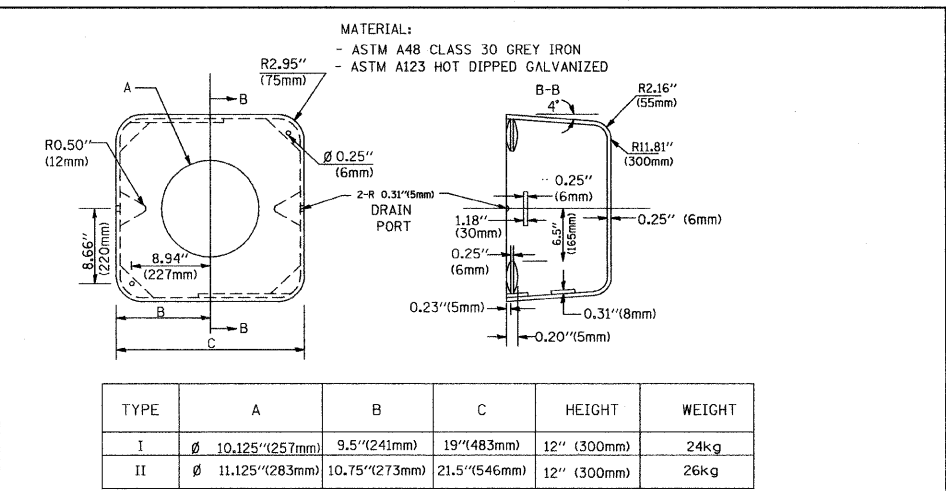
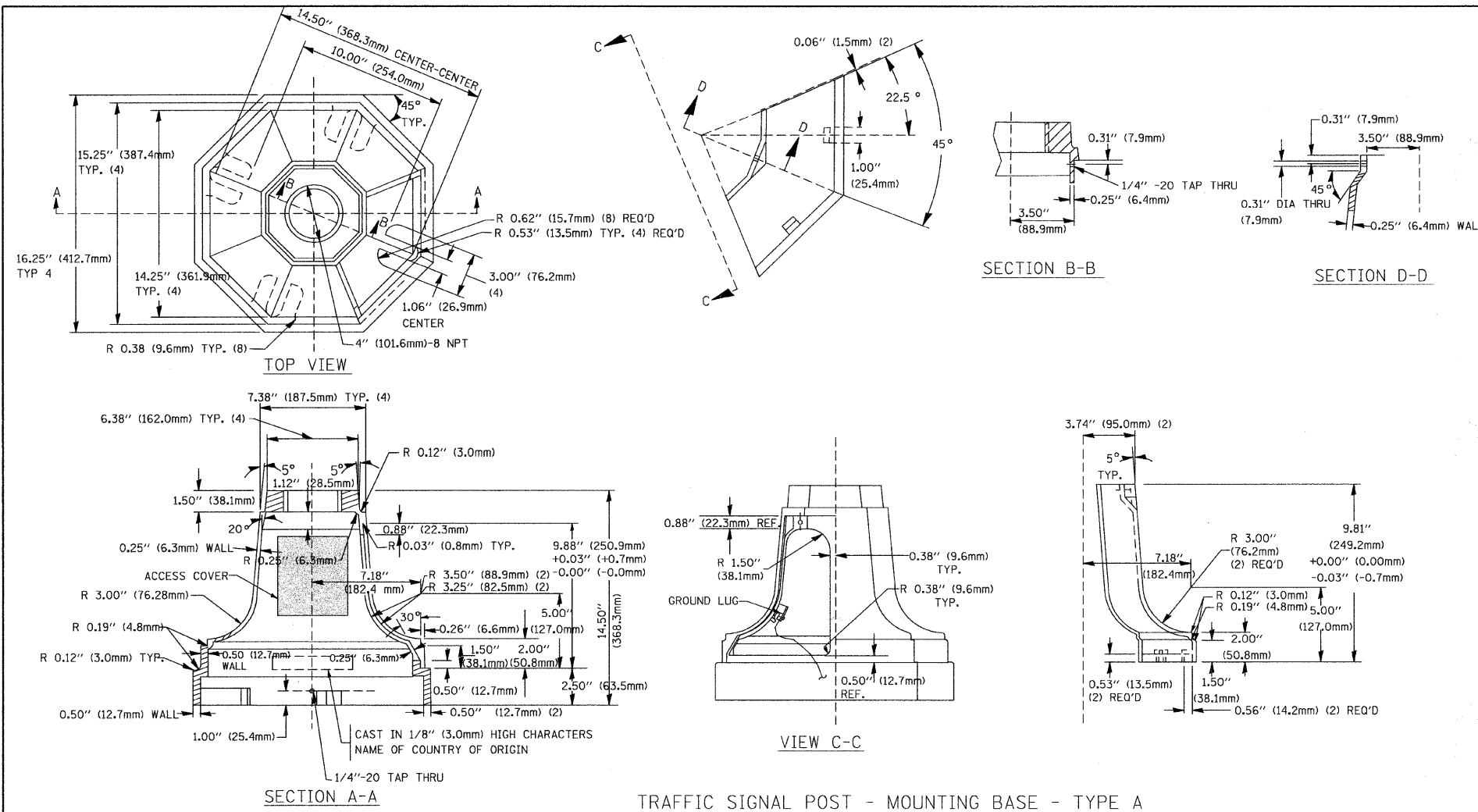
TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MIN. DIST. FROM BACK OF CURB)	SHOULDER/NON-CURBED AREA (MIN. DIST. FROM EDGE OF PAVEMENT)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2FT(0.6m), MINIMUM 10FT(3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2FT(0.6m),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

FILE NAME = 06659-DTLS-TS050 - TS-058	USER NAME = gegl.enobt	DESIGNED -- D.A.D.	REVISED -- BUR, TRAFFIC 01-01-02
		CHECKED --	REVISED --
	PLOT SCALE = 50.0000' / IN.	DRAWN --	REVISED --
	PLOT DATE = 1/4/2008	CHECKED --	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE	
STANDARD TRAFFIC SIGNAL DESIGN DETAILS	
SCALE:	SHEET NO. 24 OF 43 SHEETS STA. TO STA.

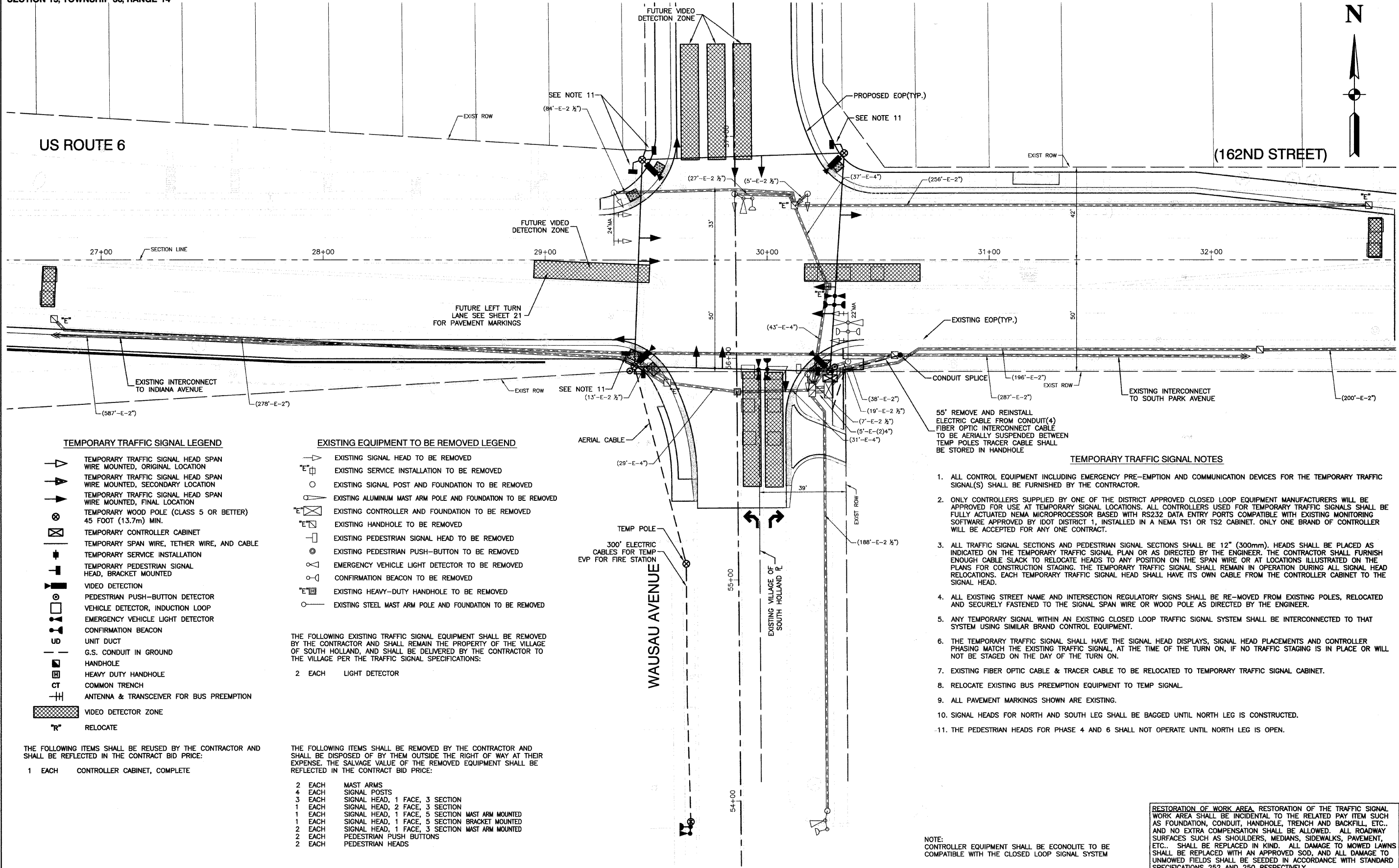
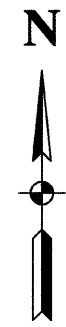
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	09-00086-00-CH	COOK	43	24
TS-05		CONTRACT NO. 63261		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(330)				



FILE NAME = 06659-DTIS-TS05d - TS-05d	USER NAME = gleglenobt	DESIGNED = D.A.D.	REVISED = BUR.TRAFFIC 03-15-01
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PLOT DATE = 1/4/2008	CHECKED = 05-30-00	REVISED =	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
STANDARD TRAFFIC SIGNAL DESIGN DETAILS		351	09-00086-00-CH	COOK	43	26
SCALE:		SHEET NO. 26 OF 43 SHEETS		STA.	TO STA.	
		FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT M-9003(330)		



TEMPORARY TRAFFIC SIGNAL LEGEND

- TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED, ORIGINAL LOCATION
- TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED, SECONDARY LOCATION
- TEMPORARY TRAFFIC SIGNAL HEAD SPAN WIRE MOUNTED, FINAL LOCATION
- TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MIN.
- TEMPORARY CONTROLLER CABINET
- TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE
- TEMPORARY SERVICE INSTALLATION
- TEMPORARY PEDESTRIAN SIGNAL HEAD, BRACKET MOUNTED
- VIDEO DETECTION
- PEDESTRIAN PUSH-BUTTON DETECTOR
- VEHICLE DETECTOR, INDUCTION LOOP
- EMERGENCY VEHICLE LIGHT DETECTOR
- CONFIRMATION BEACON
- UNIT DUCT
- G.S. CONDUIT IN GROUND
- HANDHOLE
- HEAVY DUTY HANDHOLE
- COMMON TRENCH
- ANTENNA & TRANSCIVER FOR BUS PREEMPTION
- VIDEO DETECTOR ZONE
- RELOCATE

EXISTING EQUIPMENT TO BE REMOVED LEGEND

- EXISTING SIGNAL HEAD TO BE REMOVED
- EXISTING SERVICE INSTALLATION TO BE REMOVED
- EXISTING SIGNAL POST AND FOUNDATION TO BE REMOVED
- EXISTING ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED
- EXISTING CONTROLLER AND FOUNDATION TO BE REMOVED
- EXISTING HANDHOLE TO BE REMOVED
- EXISTING PEDESTRIAN SIGNAL HEAD TO BE REMOVED
- EXISTING PEDESTRIAN PUSH-BUTTON TO BE REMOVED
- EMERGENCY VEHICLE LIGHT DETECTOR TO BE REMOVED
- CONFIRMATION BEACON TO BE REMOVED
- EXISTING HEAVY-DUTY HANDHOLE TO BE REMOVED
- EXISTING STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED

THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR AND SHALL REMAIN THE PROPERTY OF THE VILLAGE OF SOUTH HOLLAND, AND SHALL BE DELIVERED BY THE CONTRACTOR TO THE VILLAGE PER THE TRAFFIC SIGNAL SPECIFICATIONS:

- 2 EACH LIGHT DETECTOR

THE FOLLOWING ITEMS SHALL BE REUSED BY THE CONTRACTOR AND SHALL BE REFLECTED IN THE CONTRACT BID PRICE:

- 1 EACH CONTROLLER CABINET, COMPLETE

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT OF WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE:

- 2 EACH MAST ARMS
- 4 EACH SIGNAL POSTS
- 3 EACH SIGNAL HEAD, 1 FACE, 3 SECTION
- 1 EACH SIGNAL HEAD, 2 FACE, 3 SECTION
- 1 EACH SIGNAL HEAD, 1 FACE, 5 SECTION MAST ARM MOUNTED
- 1 EACH SIGNAL HEAD, 1 FACE, 5 SECTION BRACKET MOUNTED
- 2 EACH SIGNAL HEAD, 1 FACE, 3 SECTION MAST ARM MOUNTED
- 2 EACH PEDESTRIAN PUSH BUTTONS
- 2 EACH PEDESTRIAN HEADS

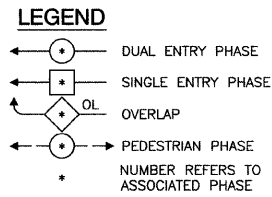
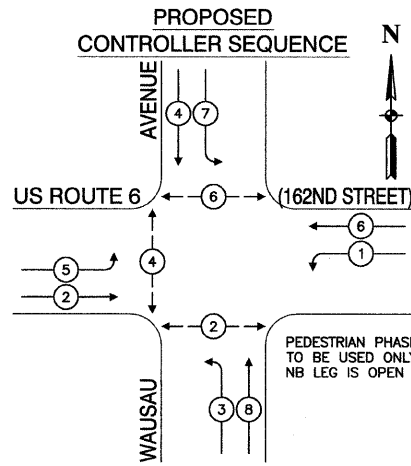
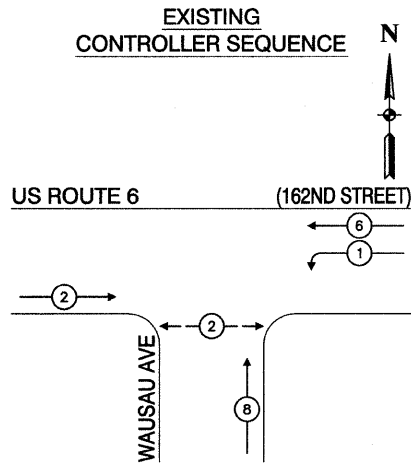
TEMPORARY TRAFFIC SIGNAL NOTES

1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
2. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1. INSTALLED IN A NEMA TS1 OR TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE 12" (300mm). HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE RE-MOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SIGNAL SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
6. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
7. EXISTING FIBER OPTIC CABLE & TRACER CABLE TO BE RELOCATED TO TEMPORARY TRAFFIC SIGNAL CABINET.
8. RELOCATE EXISTING BUS PREEMPTION EQUIPMENT TO TEMP SIGNAL.
9. ALL PAVEMENT MARKINGS SHOWN ARE EXISTING.
10. SIGNAL HEADS FOR NORTH AND SOUTH LEG SHALL BE BAGGED UNTIL NORTH LEG IS OPEN.
11. THE PEDESTRIAN HEADS FOR PHASE 4 AND 6 SHALL NOT OPERATE UNTIL NORTH LEG IS OPEN.

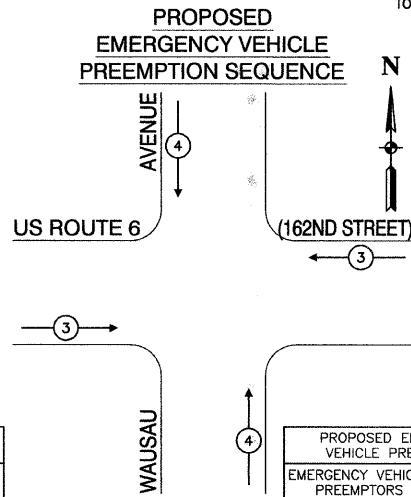
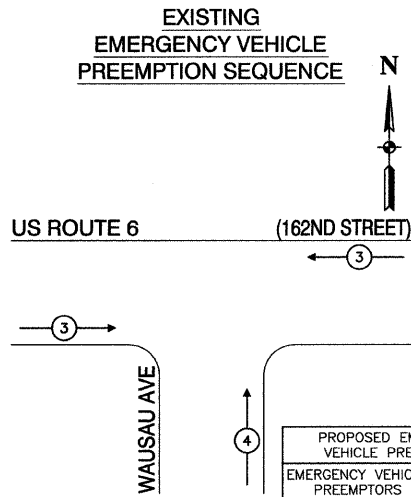
NOTE: CONTROLLER EQUIPMENT SHALL BE ECONOLITE TO BE COMPATIBLE WITH THE CLOSED LOOP SIGNAL SYSTEM

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 = 09059-SIGNL-02 - IDOT P01	USER NAME =	DESIGNED -- PKB	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US ROUTE 6 (162ND STREET) & WAUSAU AVENUE INTERSECTION IMPROVEMENTS TEMPORARY TRAFFIC SIGNAL INSTALLATION	F.A.P. RTE. 351	SECTION 09-00086-00-CH	COUNTY COOK	TOTAL SHEETS 43	SHEET NO. 27	
PLOT SCALE =	DRAWN -- PS	REVISED --	REVISED --			CONTRACT NO. 63261					
PLOT DATE = 9-3-09	CHECKED -- AG	REVISED --	REVISED --			SCALE: 1"=20'					
						SHEET NO. 27 OF 43 SHEETS		STA. TO STA.		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(330)	

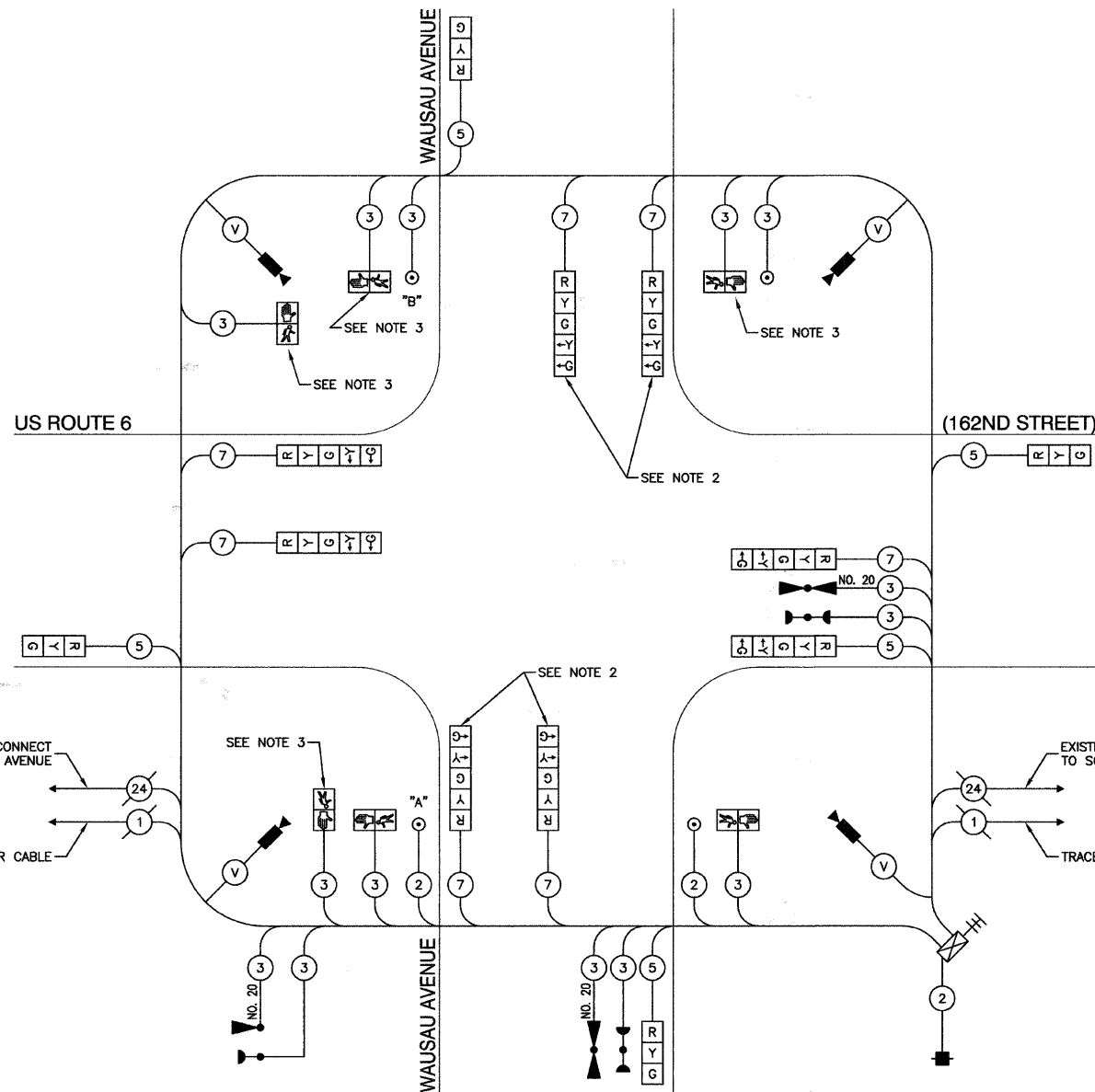


PUSHBUTTON "A" SHALL PLACE A CALL IN PHASE 2 & 4
PUSHBUTTON "B" SHALL PLACE A CALL IN PHASE 4 & 6

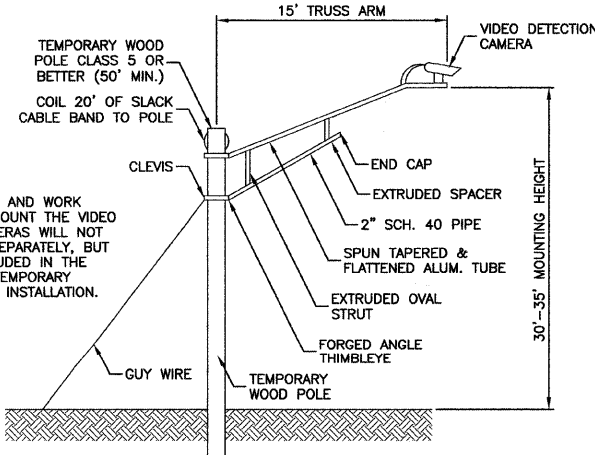


PROPOSED EMERGENCY VEHICLE PREEMPTIONS	
EMERGENCY VEHICLE PREEMPTIONS	3 4
MOVEMENT	← →

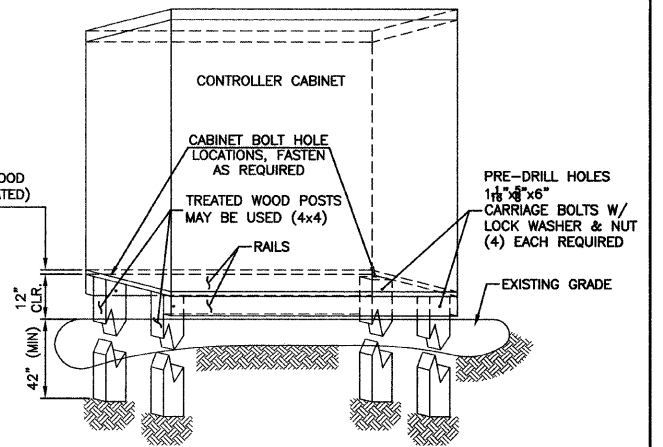
PROPOSED EMERGENCY VEHICLE PREEMPTIONS	
EMERGENCY VEHICLE PREEMPTIONS	3 4
MOVEMENT	← →



TEMPORARY CABLE PLAN



TEMPORARY VIDEO DETECTION CAMERA MOUNTING DETAIL



TEMPORARY SIGNAL CONTROLLER WOOD SUPPORT PLATFORM DETAIL

TEMPORARY CABLE PLAN LEGEND

- [R] TEMPORARY TRAFFIC SIGNAL SECTION 12"
- [X] TEMPORARY CONTROLLER CABINET
- [■] TEMPORARY SERVICE INSTALLATION
- (2) DENOTES NUMBER OF CONDUCTORS IN CABLE. ALL CONDUCTORS TO BE NO. 14 AWG WIRE UNLESS OTHERWISE NOTED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
- [▲] EMERGENCY VEHICLE LIGHT DETECTOR
- [●] CONFIRMATION BEACON
- [□] VEHICLE DETECTOR, INDUCTION LOOP
- [○] PUSHBUTTON DETECTOR
- [■] 12" PEDESTRIAN SIGNAL SECTION
- [▶] VIDEO CAMERA DETECTION
- [≡] ANTENNA & TRANSCEIVER FOR BUS PREEMPTION

- NOTE:
- TAQUI MOHAMMED (847)228-4287, OF PACE SHALL BE CONTACTED PRIOR TO RELOCATION OF THE BUS PREEMPTION TRANSCEIVER.
 - NB & SB SIGNAL HEADS NOT USED UNTIL NORTH LEG IS OPEN SHALL BE BAGGED.
 - PEDESTRIAN HEADS NOT USED UNTIL NORTH LEG IS OPEN SHALL BE BAGGED.

CONTROLLER CABINET TYPE AND DIMENSIONS VARY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CORRECT CABINET DIMENSIONS PRIOR TO THE CONSTRUCTION OF THE MOUNTING PLATFORM SHOWN BELOW.

CABINET PLATFORM LEGS AND RAILS SHALL BE CONSTRUCTED OF 2"x6" TREATED WOOD TO RESIST WEATHERING.

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS						TOTAL WATTAGE
TYPE	NO. LAMPS	WATTAGE INCAND.	LED	% OPERATION		
SIGNAL (RED)	12	135	17	0.50		102
(YELLOW)	12	135	25	0.25		75
(GREEN)	12	135	15	0.25		45
ARROW	16	135	12	0.10		20
PED. SIGNAL	6	90	25	1.00		150
CONTROLLER	1	100	100	1.00		100
VIDEO SYSTEM	1	150		1.00		150

FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL	FT. (m)
TYPE A - POST	4 (1.2)	HANDHOLE	6.5 (2.0)	ALL FOUNDATIONS	3.5 (1.0)
D - CONTROLLER	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	MAST ARM (L) POLE	20'+L-2=
E - M. ARM POLE		SIGNAL POST	2 (1.0)		(8m+L-0.6m)=
24" (600mm)	10 (3.0)	CONTROLLER CAB.	1 (0.5)	BRACKET MOUNTED	13 (4.0)
30" (750mm)	15 (4.6)	FIBER OPTIC	13 (4.0)	PED. PUSHBUTTON	4 (1.2)
		ELECTRIC SERVICE	1 (0.5)	ELECTRIC SERVICE	13.5 (4.1)
		GROUND CABLE	1 (0.5)	ELECTRIC TO GROUND	13.5 (4.1)
				POST MOUNTED	6 (1.8)

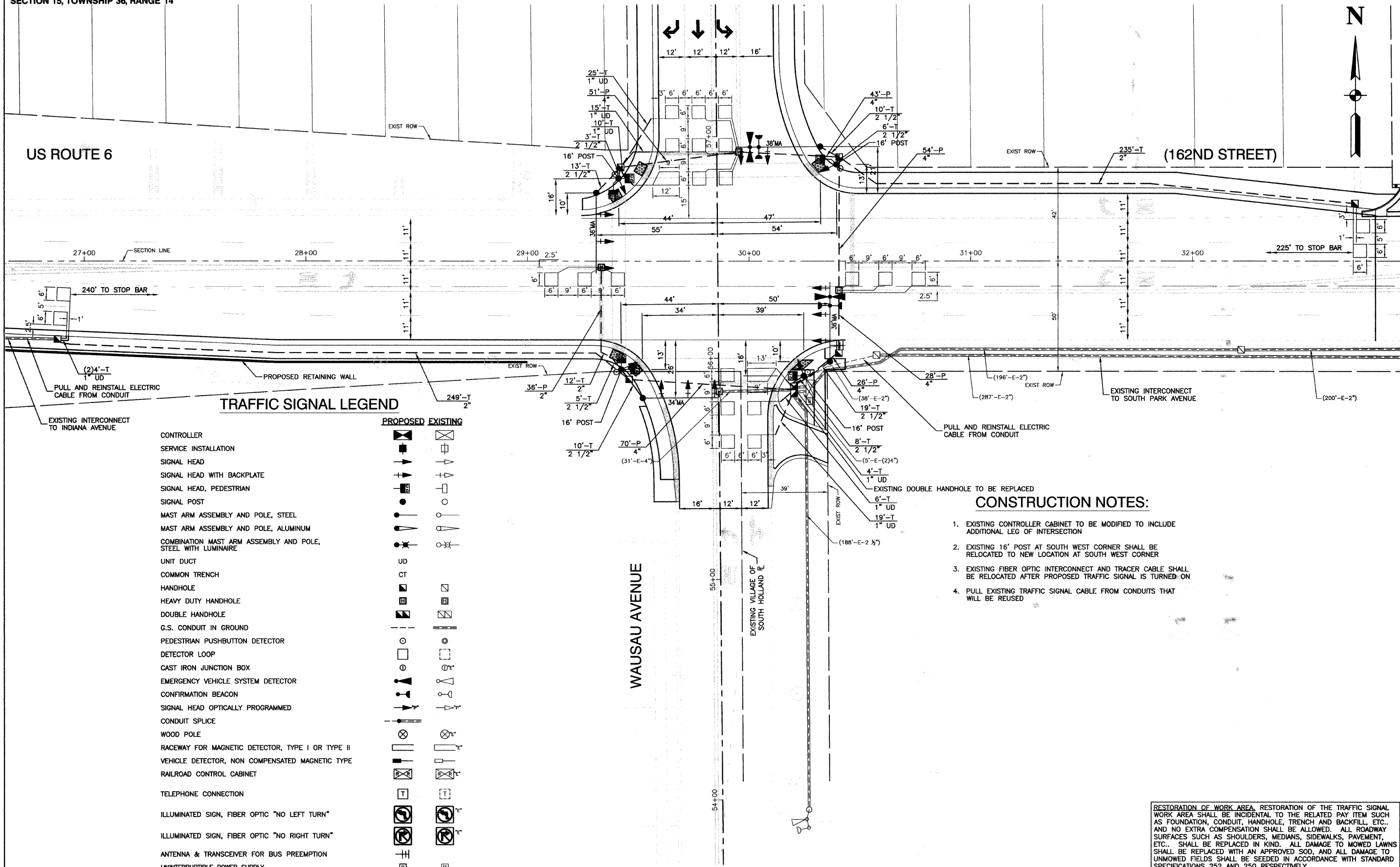
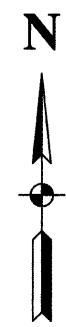
ENERGY COSTS TO: VILLAGE OF SOUTH HOLLAND	TOTAL = 642
ENERGY SUPPLY CONTACT: GREG TRIEMSTRA	PHONE: (708)235-2331
COMPANY: COM ED	

DESIGNED - PKB	REVISED -
CHECKED - PKB	REVISED -
DRAWN - PS	REVISED -
CHECKED - AG	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

US ROUTE 6 (162ND STREET) & WAUSAU AVENUE INTERSECTION IMPROVEMENTS - TEMPORARY CABLE PLAN	
PHASE DESIGNATION DIAGRAM & EMERGENCY VEHICLE PREEMPTION SEQUENCE	
SCALE: NONE	SHEET NO. 28 OF 43 SHEETS

F.A.P. RTE. 351	SECTION 09-00086-00-CH	COUNTY COOK	TOTAL SHEETS 43	SHEET NO. 28
CONTRACT NO. 63261				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(330)				



TRAFFIC SIGNAL LEGEND

	PROPOSED	EXISTING
CONTROLLER		
SERVICE INSTALLATION		
SIGNAL HEAD		
SIGNAL HEAD WITH BACKPLATE		
SIGNAL HEAD, PEDESTRIAN		
SIGNAL POST		
MAST ARM ASSEMBLY AND POLE, STEEL		
MAST ARM ASSEMBLY AND POLE, ALUMINUM		
COMBINATION MAST ARM ASSEMBLY AND POLE, STEEL WITH LUMINAIRE		
UNIT DUCT		
COMMON TRENCH		
HANDHOLE		
HEAVY DUTY HANDHOLE		
DOUBLE HANDHOLE		
G.S. CONDUIT IN GROUND		
PEDESTRIAN PUSHBUTTON DETECTOR		
DETECTOR LOOP		
CAST IRON JUNCTION BOX		
EMERGENCY VEHICLE SYSTEM DETECTOR		
CONFIRMATION BEACON		
SIGNAL HEAD OPTICALLY PROGRAMMED		
CONDUIT SPLICE		
WOOD POLE		
RACEWAY FOR MAGNETIC DETECTOR, TYPE I OR TYPE II		
VEHICLE DETECTOR, NON COMPENSATED MAGNETIC TYPE		
RAILROAD CONTROL CABINET		
TELEPHONE CONNECTION		
ILLUMINATED SIGN, FIBER OPTIC "NO LEFT TURN"		
ILLUMINATED SIGN, FIBER OPTIC "NO RIGHT TURN"		
ANTENNA & TRANSDUCER FOR BUS PREEMPTION		
UNINTERRUPTIBLE POWER SUPPLY		

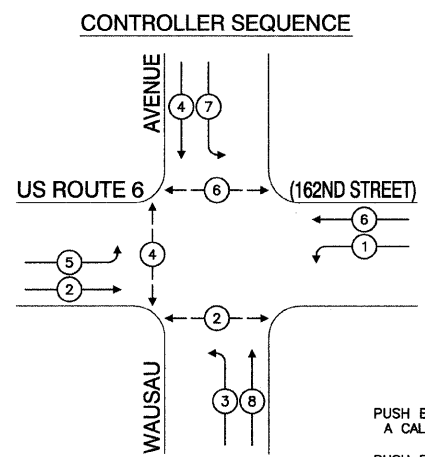
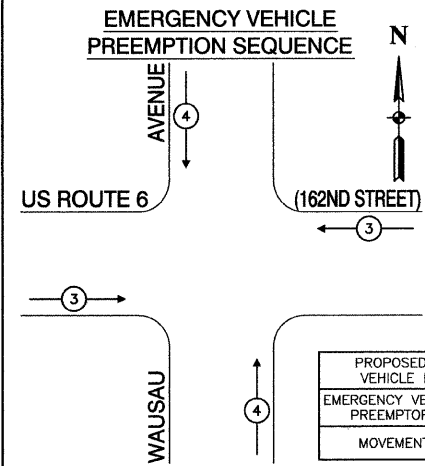
CONSTRUCTION NOTES:

- EXISTING CONTROLLER CABINET TO BE MODIFIED TO INCLUDE ADDITIONAL LEG OF INTERSECTION
- EXISTING 16' POST AT SOUTH WEST CORNER SHALL BE RELOCATED TO NEW LOCATION AT SOUTH WEST CORNER
- EXISTING FIBER OPTIC INTERCONNECT AND TRACER CABLE SHALL BE RELOCATED AFTER PROPOSED TRAFFIC SIGNAL IS TURNED ON
- PULL EXISTING TRAFFIC SIGNAL CABLE FROM CONDUITS THAT WILL BE REUSED

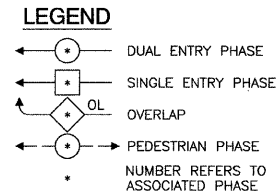
RESTORATION OF WORK AREA, RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCIDENTAL TO THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC., SHALL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

SCHEDULE OF QUANTITIES

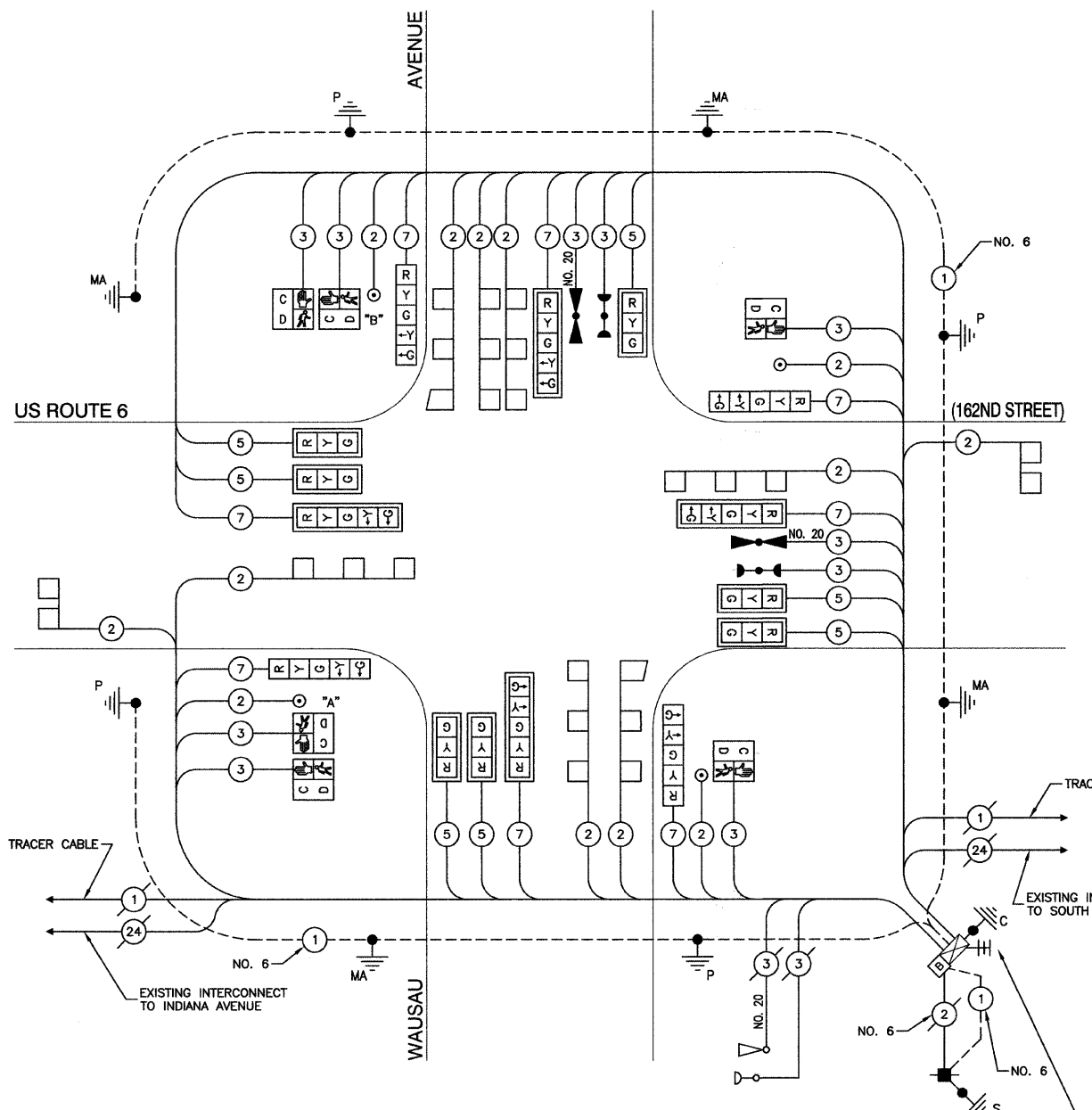
ITEM	UNIT	QUAN
CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	506
CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	79
CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	16
CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	36
CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	206
HANDHOLE	EACH	6
DOUBLE HANDHOLE	EACH	1
HEAVY-DUTY HANDHOLE	EACH	3
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	601
MAINTENANCE OF EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	573
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1304
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1220
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1509
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1774
TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	3
STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	16
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	54
DRILL EXISTING HANDHOLE	EACH	3
SIGNAL HEAD, L.E.D., 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	7
SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	4
SIGNAL HEAD, L.E.D., 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	4
TRAFFIC SIGNAL BACKPLATE, LOUVERED	EACH	11
INDUCTIVE LOOP DETECTOR	EACH	5
DETECTOR LOOP, TYPE 1	FOOT	936
LIGHT DETECTOR	EACH	2
PEDESTRIAN PUSH BUTTON	EACH	4
TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
RELOCATE EXISTING EMERGENCY VEHICLE PRIORITY SYSTEM, DETECTOR UNIT	EACH	1
MODIFY EXISTING CONTROLLER CABINET	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	13717
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 1	EACH	1
UNINTERRUPTIBLE POWER SUPPLY	EACH	1
ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6, 1C	FOOT	532
ELECTRIC CABLE IN CONDUIT, NO. 20, 3C, TWISTED, SHIELDED	FOOT	302
REMOVE EXISTING HANDHOLE	EACH	7
REMOVE EXISTING CONCRETE FOUNDATION	EACH	6
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5 1125 2-MM 12F & SM 12F	FOOT	6000
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14, 1C	FOOT	6000
UNINTERRUPTIBLE POWER SUPPLY	EACH	1
PEDESTRIAN SIGNAL HEAD, L.E.D., 1-FACE, WITH COUNTDOWN TIMERS, BRACKET MOUNTED	EACH	2
PEDESTRIAN SIGNAL HEAD, L.E.D., 2-FACE, WITH COUNTDOWN TIMERS, BRACKET MOUNTED	EACH	2



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTORS	3	4
MOVEMENT	—	↑↑



PUSH BUTTON "A" SHALL PLACE A CALL IN PHASES 2 AND 4
 PUSH BUTTON "B" SHALL PLACE A CALL IN PHASE 4 AND 6



CABLE PLAN LEGEND

EXISTING	PROPOSED	DESCRIPTION
(C)	(C)	8" TRAFFIC SIGNAL SECTION
(R)	(R)	12" TRAFFIC SIGNAL SECTION
(W)	(W)	12" PEDESTRIAN SIGNAL SECTION
(C/D)	(C/D)	12" PEDESTRIAN SIGNAL SECTION WITH COUNT DOWN TIMER
(CAB)	(CAB)	CONTROLLER CABINET
(UPS)	(UPS)	UNINTERRUPTIBLE POWER SUPPLY
(S)	(S)	SERVICE INSTALLATION
(T)	(T)	TELEPHONE CONNECTION
(M)	(M)	MAGNETIC DETECTOR
(E)	(E)	EMERGENCY VEHICLE LIGHT DETECTOR
(C/B)	(C/B)	CONFIRMATION BEACON
(P)	(P)	PUSHBUTTON DETECTOR
(V)	(V)	VEHICLE DETECTOR, INDUCTION LOOP
(N)	(N)	DENOTES NUMBER OF CONDUCTORS. ALL CABLE NO. 14 EXCEPT AS INDICATED. ALL LOOP DETECTOR CABLE TO BE SHIELDED.
(S/F)	(S/F)	SIGNAL FACE WITH BACKPLATE
(P*)	(P*)	*P* INDICATES PROGRAMMED HEAD
(R/C)	(R/C)	RAILROAD CONTROL CABINET
(E*)	(E*)	ILLUMINATED SIGN, FIBER OPTIC "NO LEFT TURN"
(E*)	(E*)	ILLUMINATED SIGN, FIBER OPTIC "NO RIGHT TURN"
(H/C)	(H/C)	GROUND ROD AT HANDHOLE, DOUBLE HANDHOLE, OR CONTROLLER
(P)	(P)	GROUND ROD AT POST OR MAST ARM POLE
(S)	(S)	GROUND ROD AT ELECTRIC SERVICE INSTALLATION
(1)	(1)	GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)
(24)	(24)	FIBER OPTIC CABLE IN CONDUIT NO. 62.5/125 2-MM12F & SM12F
(H)	(H)	ANTENNA & TRANSCEIVER FOR BUS PREEMPTION

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

TYPE	NO. LAMPS	WATTAGE INCAND.	WATTAGE LED	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	13	135	17	0.50	128
(YELLOW)	13	135	25	0.25	94
(GREEN)	13	135	15	0.25	57
ARROW	20	135	12	0.10	19
PED. SIGNAL	6	90	25	1.00	150
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN		84		0.05	

FOUNDATION (DEPTH)	FT. (m)	CABLE SLACK	FT. (m)	VERTICAL	FT. (m)
TYPE A - POST	4 (1.2)	HANDHOLE	6.5 (2.0)	ALL FOUNDATIONS	3.5 (1.0)
D - CONTROLLER	4 (1.2)	DOUBLE HANDHOLE	13 (4.0)	MAST ARM (L) POLE	20'+L-2= (8m+L-0.6m)
E - M. ARM POLE		SIGNAL POST	2 (1.0)	BRACKET MOUNTED	13 (4.0)
24" (600mm)	10 (3.0)	CONTROLLER CAB.	1 (0.5)	PED. PUSHBUTTON	4 (1.2)
30" (750mm)	15 (4.5)	FIBER OPTIC	13 (4.0)	ELECTRIC SERVICE	13.5 (4.1)
		ELECTRIC SERVICE	1 (0.5)	SERVICE TO GROUND	13.5 (4.1)
		GROUND CABLE	1 (0.5)	POST MOUNTED	6 (1.8)

ENERGY COSTS TO: VILLAGE OF SOUTH HOLLAND TOTAL = 548

ENERGY SUPPLY CONTACT: GREG TREMSTRA
 PHONE: (708)235-2331
 COMPANY: GDM ED

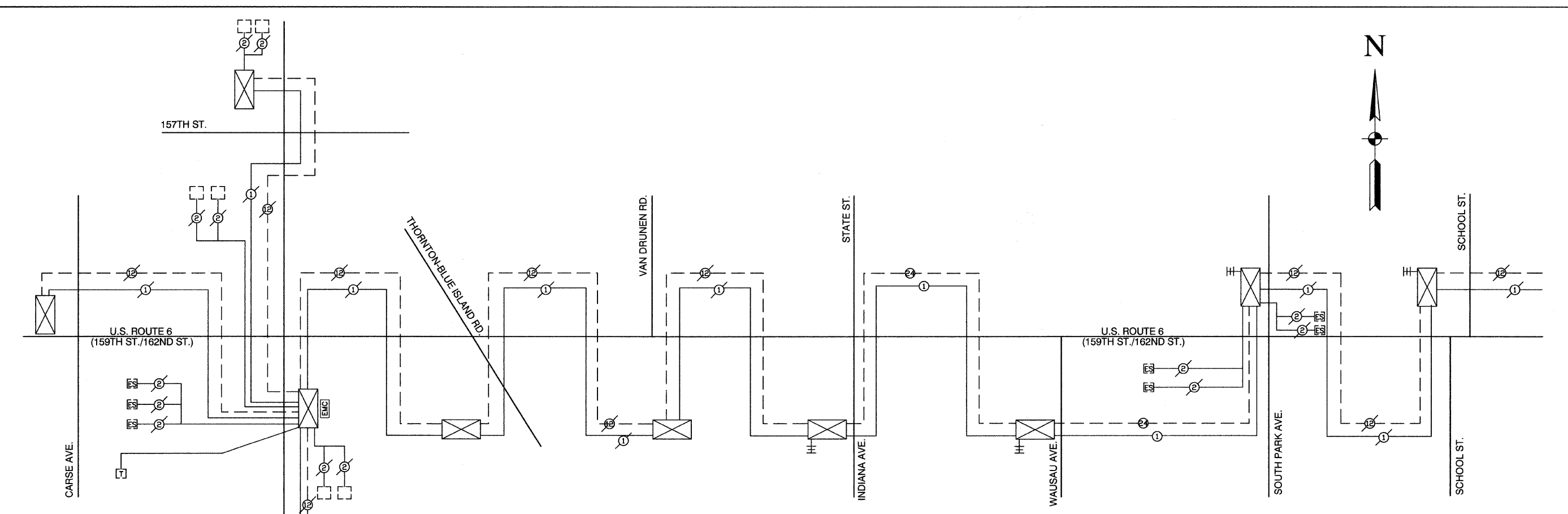
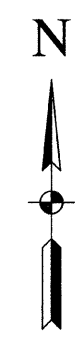
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		DRAWN - PS	REVISED -
		CHECKED - AG	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

US ROUTE 6 (162ND STREET) & WAUSAU AVENUE
 INTERSECTION IMPROVEMENTS - CABLE PLAN, PHASE DESIGNATION
 DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE, & QUANTITIES

SCALE: NONE SHEET NO. 30 OF 43 SHEETS STA. TO STA.

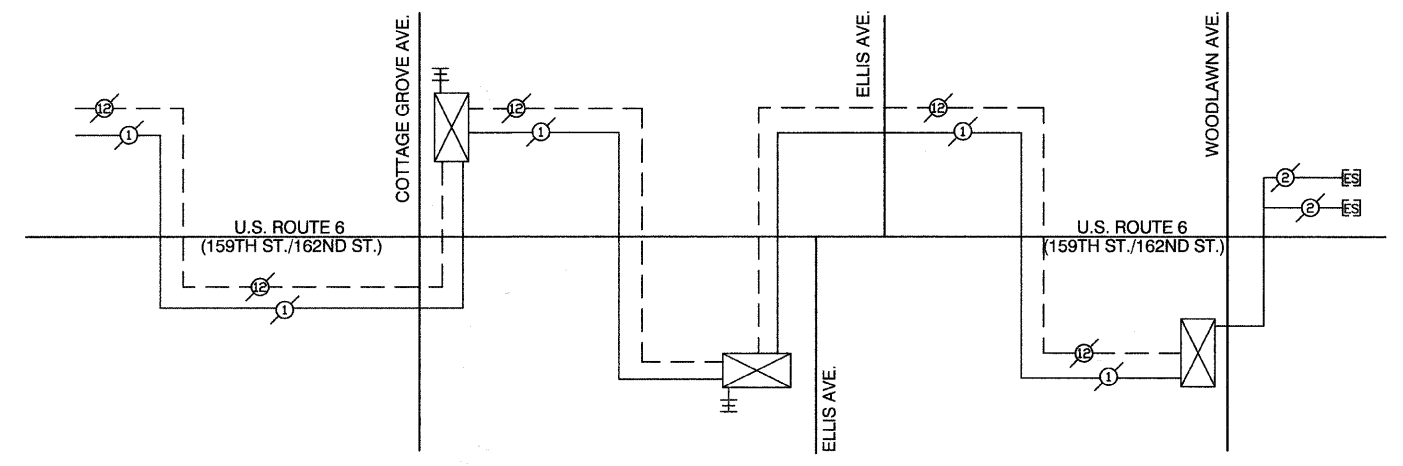
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	09-00085-00-CH	COOK	43	30
CONTRACT NO. 63261				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(330)				



INTERCONNECT SCHEMATIC LEGEND

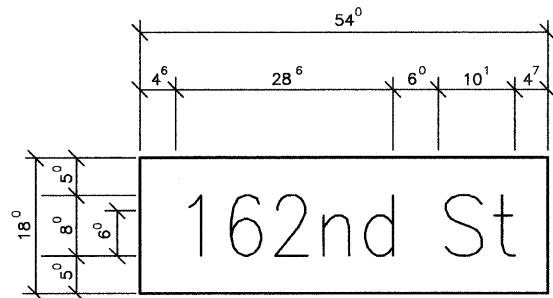
PROPOSED

- INTERSECTION CONTROLLER
- EXISTING INTERSECTION CONTROLLER
- MASTER CONTROLLER
- EXISTING MASTER CONTROLLER
- MASTER MASTER CONTROLLER
- PROPOSED INTERSECTION & SAMPLING (SYSTEM) DETECTORS
- EXISTING INTERSECTION & SAMPLING (SYSTEM) DETECTORS
- PROPOSED FIBER OPTIC CABLE - NO. 62.5/125 2-MM12F & SM12F
- INTERCONNECT CABLE - NO. 18 3 PAIR TWISTED, SHIELDED
- LOOP DETECTOR CABLE - 2/C TWISTED, SHIELDED
- EXISTING FIBER OPTIC CABLE - NO. 62.5/125 2-MM12F & SM12F
- EXISTING INTERCONNECT CABLE - NO. 18 3 PAIR TWISTED, SHIELDED
- EXISTING LOOP DETECTOR CABLE - 2/C TWISTED, SHIELDED
- TELEPHONE CONNECTION
- PROPOSED TRACER CABLE NO. 14 1C
- EXISTING INTERSECTION LOOP DETECTORS AND PROPOSED SAMPLING (SYSTEM) DETECTORS
- EXISTING TELEPHONE CONNECTION
- EXISTING TRACER CABLE 1/C (AS SPECIFIED)
- EXISTING SAMPLING (SYSTEM) DETECTORS
- PROPOSED SAMPLING (SYSTEM) DETECTORS
- EXISTING SAMPLING (SYSTEM) DETECTORS, PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTORS.
- EXISTING INTERCONNECT CABLE - NO. 62.5/125 12F FIBER OPTIC CABLE
- PACE BUS PREEMPTION

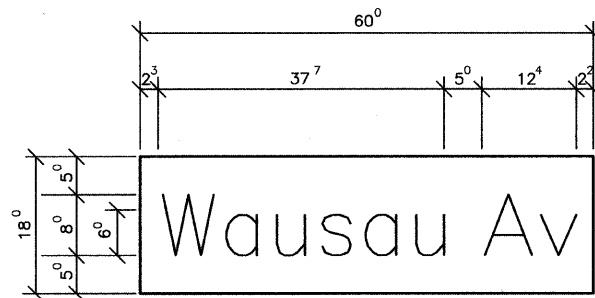


INTERCONNECT SCHEDULE OF QUANTITIES

ITEM	UNIT	QUAN
RE-OPTIMIZE EXISTING TRAFFIC SIGNAL SYSTEM, LEVEL 2	EACH	1
REMOVE ELECTRIC CABLE FROM CONDUIT	FOOT	12000
FIBER OPTIC CABLE IN CONDUIT, NO 62.5/125 2-MM 12F&SM 12F	FOOT	6000
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	6000



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



0.7 Sq. M. each
7.5 Sq. Ft. each
2 Required
Design Series "D"

NOTE: SIGN DIMENSIONS ARE IN ENGLISH UNITS

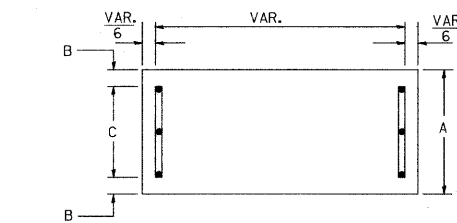
GENERAL NOTES

- 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

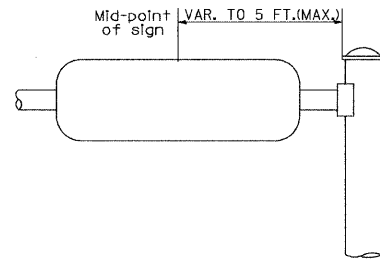
PARTS LISTING
SIGN CHANNEL PART #HPN053 (MED. CHANNEL)
SIGN SCREWS 1/4" x 14 x 1" H.W.H. #3
BRACKETS PART #HPN034 (UNIVERSAL)
CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

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

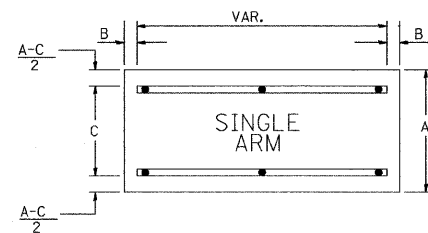
SUPPORTING CHANNELS



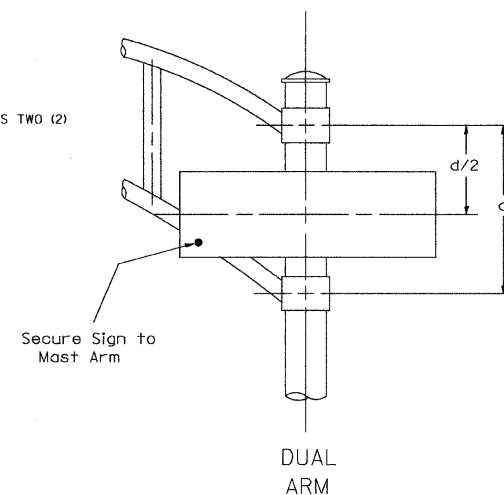
A	B	C
18"	2"	14"



SUPPORTING CHANNELS



A	B	C
18"	2"	12"
30"	2"	22"



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

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

EXAMPLE, 2³ DENOTES 3/8

FIRST LETTER	SECOND LETTER															
	acde		bhikl		f w		j		s t		v y		x		z	
	g	o	q	m	n	p	r									
SERIES	C	D	C	D	C	D	C	D	C	D	C	D	C	D	C	D
A W X	12	14	14	15	12	14	06	10	11	14	06	10	11	12	12	14
B	14	15	20	21	14	15	11	12	14	15	12	14	12	14	16	17
C E G	14	15	20	21	12	14	06	10	12	14	12	14	14	15	14	15
D O Q R	14	15	20	21	14	15	06	10	12	14	12	14	14	15	14	15
F	05	06	14	15	06	10	05	06	06	10	06	10	06	10	11	12
H I M N	20	21	22	24	20	21	14	15	16	17	16	17	20	21	20	21
J U	20	21	20	21	16	17	14	15	16	17	16	17	16	17	20	21
K L	11	12	16	17	11	12	05	06	11	12	11	12	11	12	12	14
P	12	14	14	15	12	14	05	06	11	12	11	12	12	14	12	14
S	12	14	16	17	12	14	06	10	12	14	12	14	12	14	12	14
T	11	12	16	17	06	10	06	10	11	12	11	12	11	12	12	14
V	06	10	14	15	11	12	06	10	12	14	12	14	12	14	12	14
Y	05	06	14	15	06	10	05	06	05	07	05	06	06	10	11	12
Z	16	17	22	24	16	17	12	14	16	17	16	17	16	17	20	21

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

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

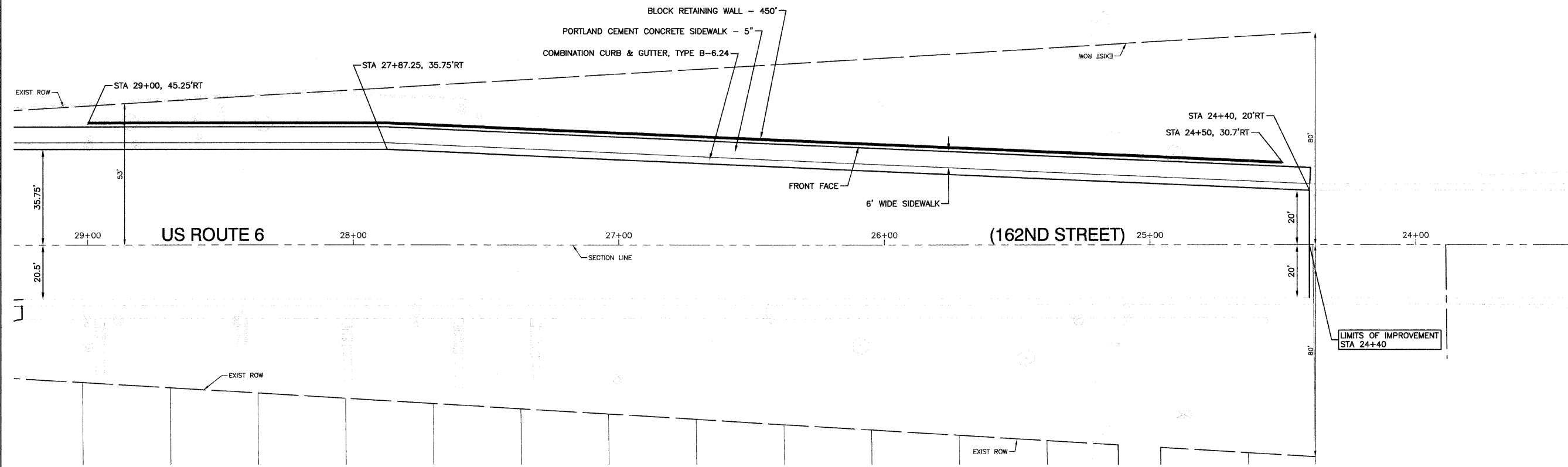
Number to Number
Spacing Chart 8 Inch Series "C & D"

FIRST NUMBER	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	16	17	16	17	14	15	12	14	14	15	14	15	16	17	12	14	16	17	16	17
1	20	21	20	21	20	21	16	17	14	15	20	21	20	21	14	15	20	21	20	21
2 3 4	14	15	14	15	14	15	12	14	12	14	14	15	14	15	11	12	16	17	14	15
5	14	15	14	15	14	15	11	12	11	12	14	15	14	15	11	12	14	15	14	15
6	16	17	14	15	14	15	12	15	12	14	14	15	14	15	11	12	14	15	14	15
7	12	14	12	14	14	15	12	15	05	06	12	14	14	15	11	12	14	15	12	14
8	16	17	16	17	14	15	12	15	12	14	14	15	16	17	12	14	16	17	14	15

UPPER AND LOWER CASE LETTER WIDTHS

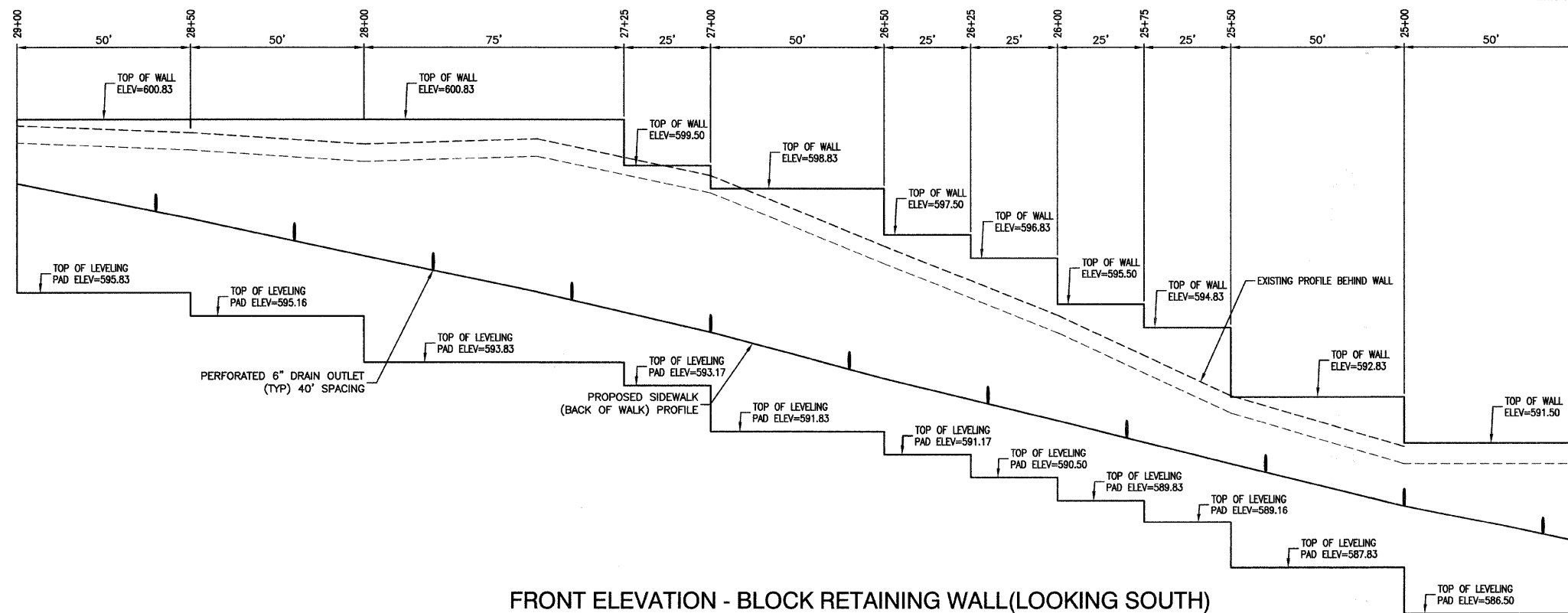
LETTERS	6 INCH UPPER CASE LETTERS		8 INCH UPPER CASE LETTERS		LETTERS	6 INCH LOWER CASE LETTERS	
	C	D	C	D		C	D
A	36	50	50	65	a	35	42
B	32	40	43	53	b	35	42
C	32	40	43	53	c	35	41
D	32	40	43	53	d	35	42
E	30	35	40	47	e	35	42
F	30	35	40	47	f	23	26
G	32	40	43	53	g	35	42
H	32	40	43	53	h	35	42
I	07	07	11	12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

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



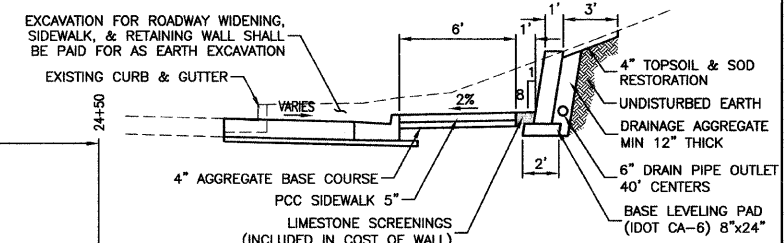
PLAN - BLOCK RETAINING WALL

SCALE 1"=20'



FRONT ELEVATION - BLOCK RETAINING WALL (LOOKING SOUTH)

SCALE H 1"=5' V 1"=2'



SECTION - BLOCK RETAINING WALL

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

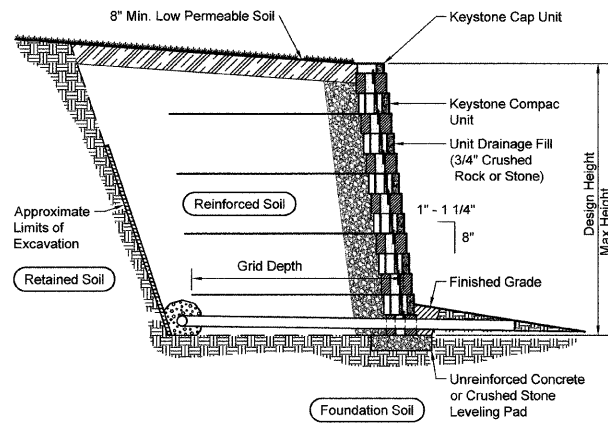
FILE NAME = 09099-WALL-01 - IDOT PLPR01

USER NAME =	DESIGNED -- PKB	REVISED --
	CHECKED -- PKB	REVISED --
PLOT SCALE =	DRAWN -- PS	REVISED --
PLOT DATE = 8-19-09	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 6 (162ND STREET) & WAUSAU AVENUE
INTERSECTION IMPROVEMENTS
RETAINING WALL PLAN & ELEVATION

F.A.P. RTE. 351	SECTION 09-00086-00-CH	COUNTY COOK	TOTAL SHEETS 43	SHEET NO. 33
SCALE: AS SHOWN			SHEET NO. 33 OF 43 SHEETS	
FED. ROAD DIST. NO. 1 ILLINOIS			CONTRACT NO. 63261	
FED. AID PROJECT M-9003(330)			TO STA. TO STA.	

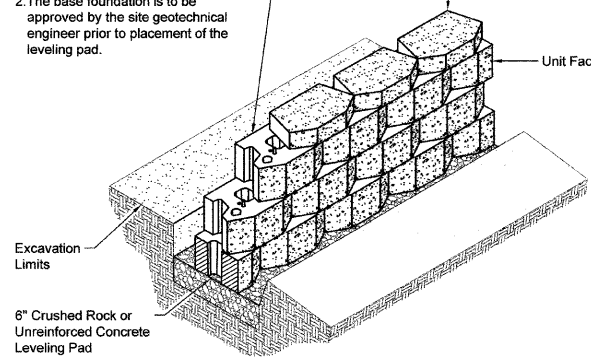


Typical Reinforced Wall Section
Compac Unit - 1" Setback

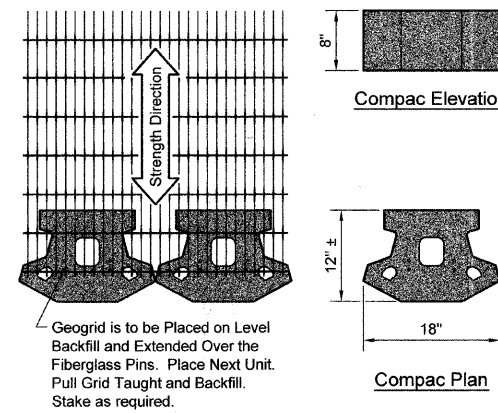
Base Leveling Pad Notes:

1. The leveling pad is to be constructed of crushed stone or 2,000 psi ± unreinforced concrete.
2. The base foundation is to be approved by the site geotechnical engineer prior to placement of the leveling pad.

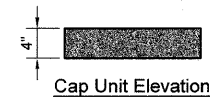
Compac Unit		Cap Unit	
Width:	18"	Width:	18"
*Depth:	12"	*Depth:	10 1/2"
Height:	8"	Height:	4"
*Weight:	85 lbs	*Weight:	45 lbs



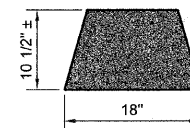
Compac Unit/Base Pad Isometric Section View
* Dimensions & Weight May Vary by Region



Grid & Pin Connection



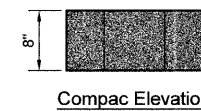
Cap Unit Elevation



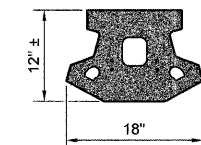
Cap Unit Plan

Universal Cap Unit Option

* Dimensions & Availability Will Vary by Region



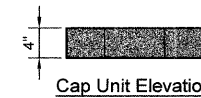
Compac Elevation



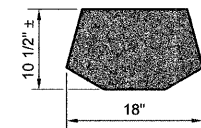
Compac Plan

Compac Unit

* Dimensions May Vary by Region



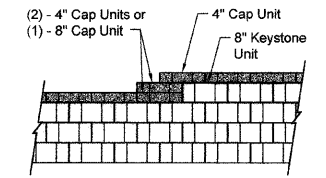
Cap Unit Elevation



Cap Unit Plan

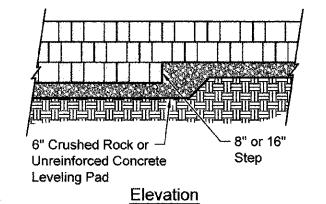
3-Plane Split Cap Unit Option

* Dimensions & Availability Will Vary by Region

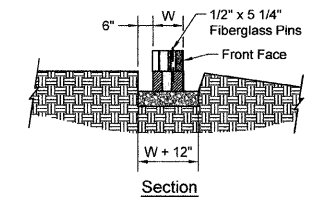


Note:
1. Secure all cap units with Keystone Kaseal or equal.

Top of Wall Steps



Note:
1. The leveling pad is to be constructed of crushed stone or 2000 psi ± unreinforced concrete.



Leveling Pad Detail

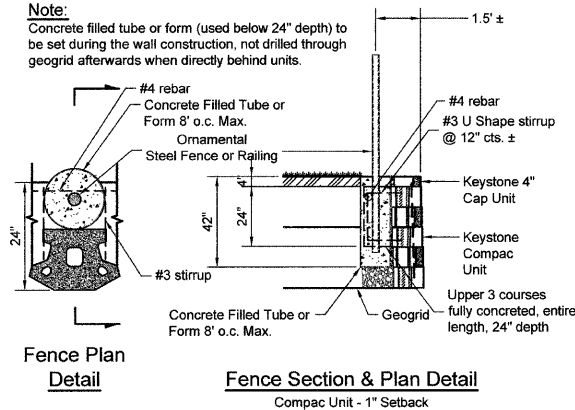
NOTES:

SEGMENTAL CONCRETE BLOCK WALL TO BE KEYSTONE SYSTEM OR APPROVED EQUAL. FACE COLOR AND FINISH TO BE SPECIFIED BY THE VILLAGE OF SOUTH HOLLAND.

THE ITEMS INCLUDED IN THE COST OF THE WALL SHALL CONSIST OF A LEVELING PAD, PRECAST CONCRETE BLOCKS (EITHER DRY-CAST OR WET CAST), SELECT GRANULAR BACKFILL AND, IF REQUIRED BY THE DESIGN, SOIL REINFORCEMENT.

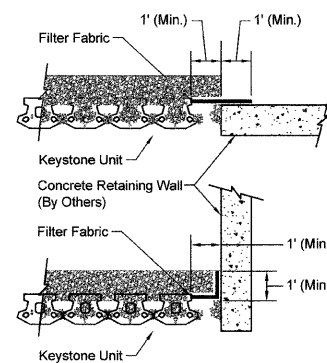
Note:

Concrete filled tube or form (used below 24" depth) to be set during the wall construction, not drilled through geogrid afterwards when directly behind units.

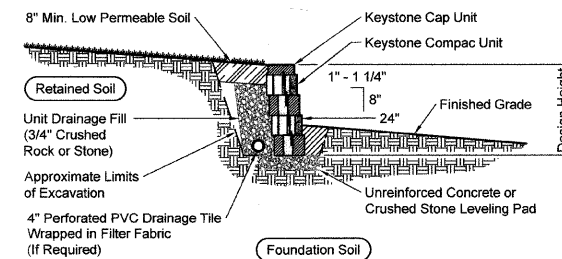


Fence Plan Detail

Fence Section & Plan Detail
Compac Unit - 1" Setback



Connection Details
Compac Unit - Shown



Typical Gravity Wall Section
Compac Unit - 1" Setback

FILE NAME = 06859-DTLS-G2 - P01

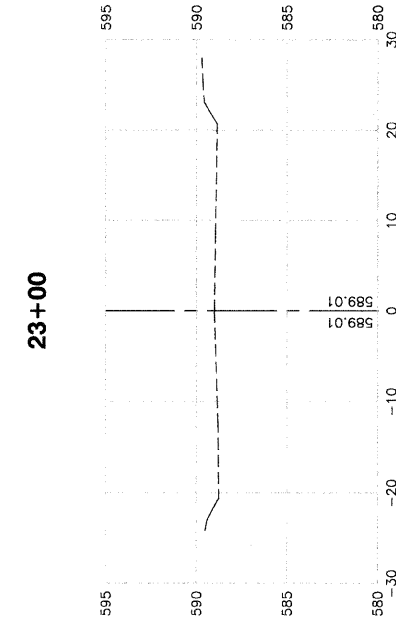
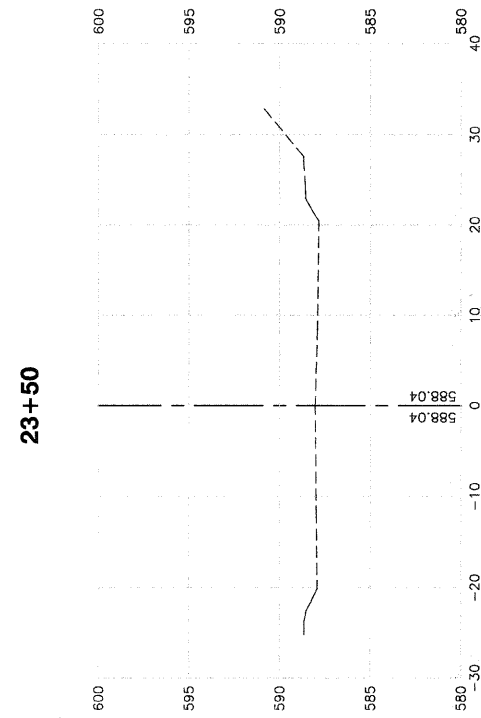
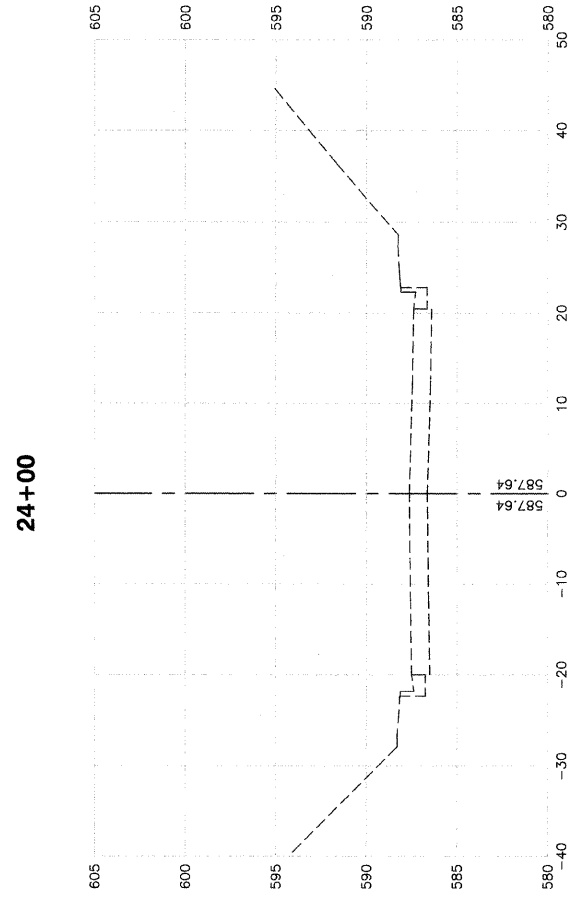
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	CHECKED — PKB	REVISED —
PLOT SCALE =	DRAWN — PS	REVISED —
PLOT DATE = 8-28-09	CHECKED — AG	REVISED —

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 6 (162ND STREET) & WAUSAU AVENUE
INTERSECTION IMPROVEMENTS
RETAINING WALL TYPICAL DETAILS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	09-00086-00-CH	COOK	43	34
CONTRACT NO. 63261				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(330)				

SCALE: SHEET NO. 34 OF 43 SHEETS STA. TO STA.



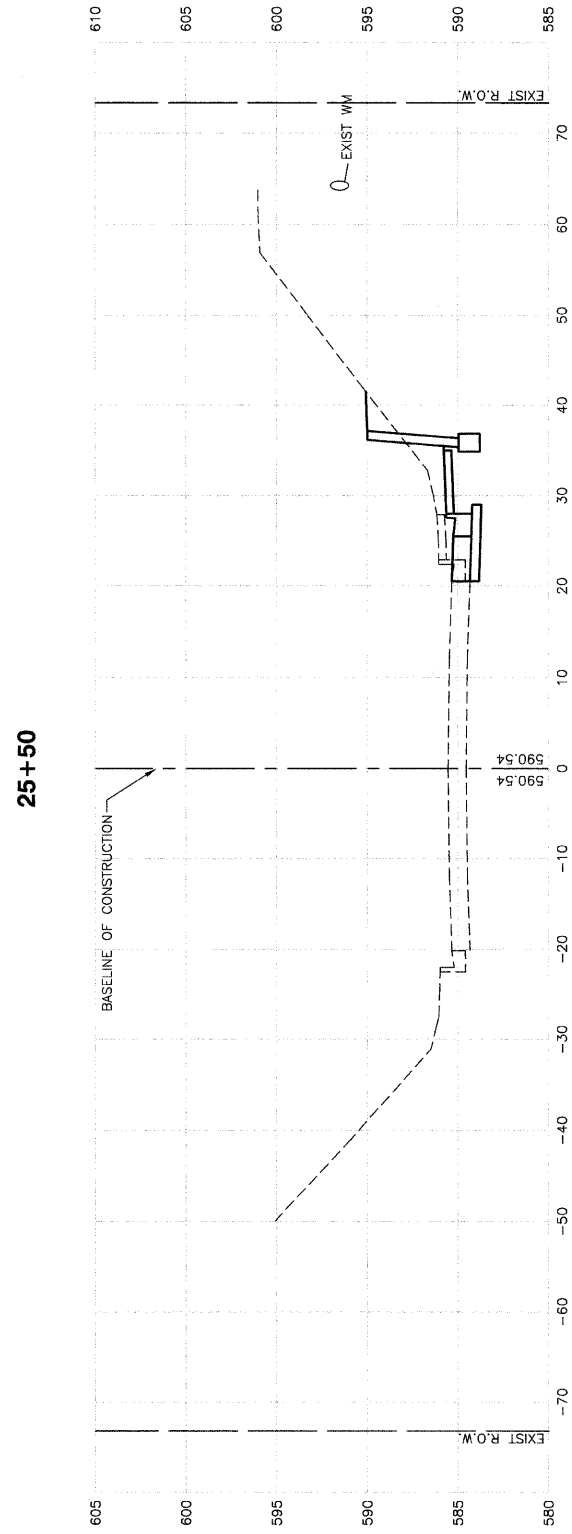
FILE NAME = 09659-XSEC-01 - X01

USER NAME =	DESIGNED -- PKB	REVISED --
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PLOT SCALE =	DRAWN -- PS	REVISED --
PLOT DATE = 8-19-09	CHECKED -- AG	REVISED --

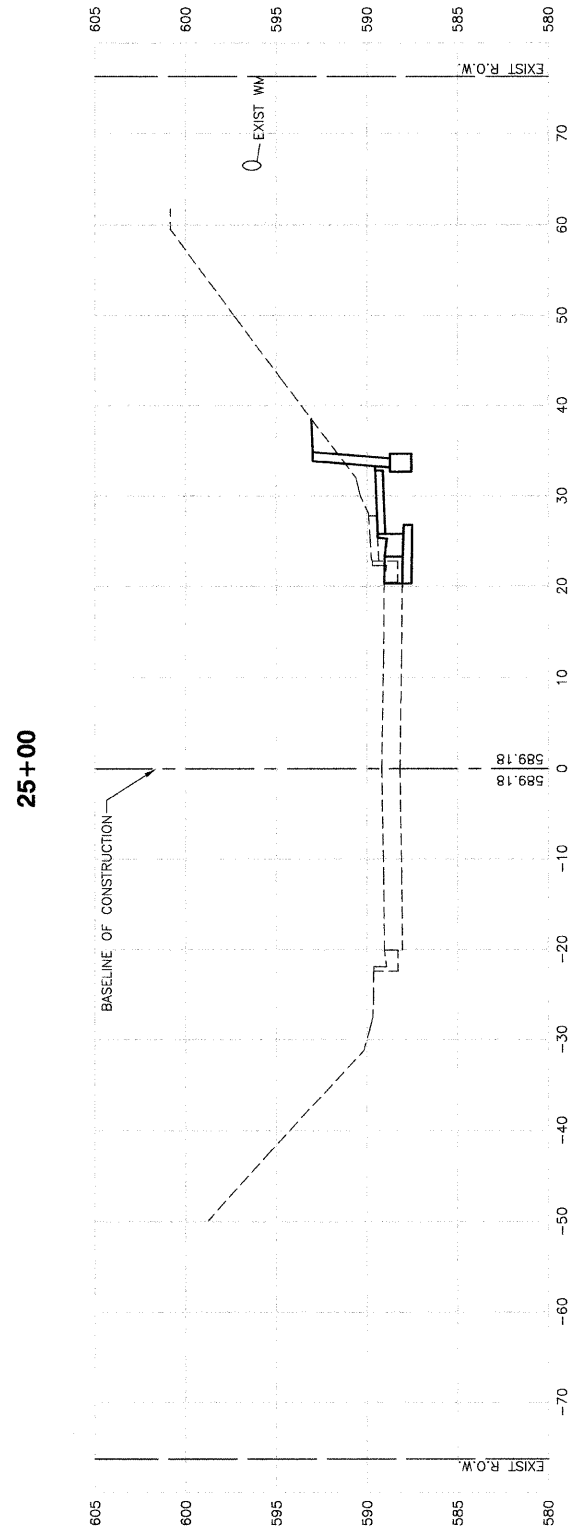
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 6 (162ND STREET) & WAUSAU AVENUE INTERSECTION IMPROVEMENTS CROSS SECTIONS - US ROUTE 6 (162ND STREET)	
SCALE: H 1"=10' V 1"=5'	SHEET NO. 35 OF 43 SHEETS
STA. 23+00	TO STA. 24+00

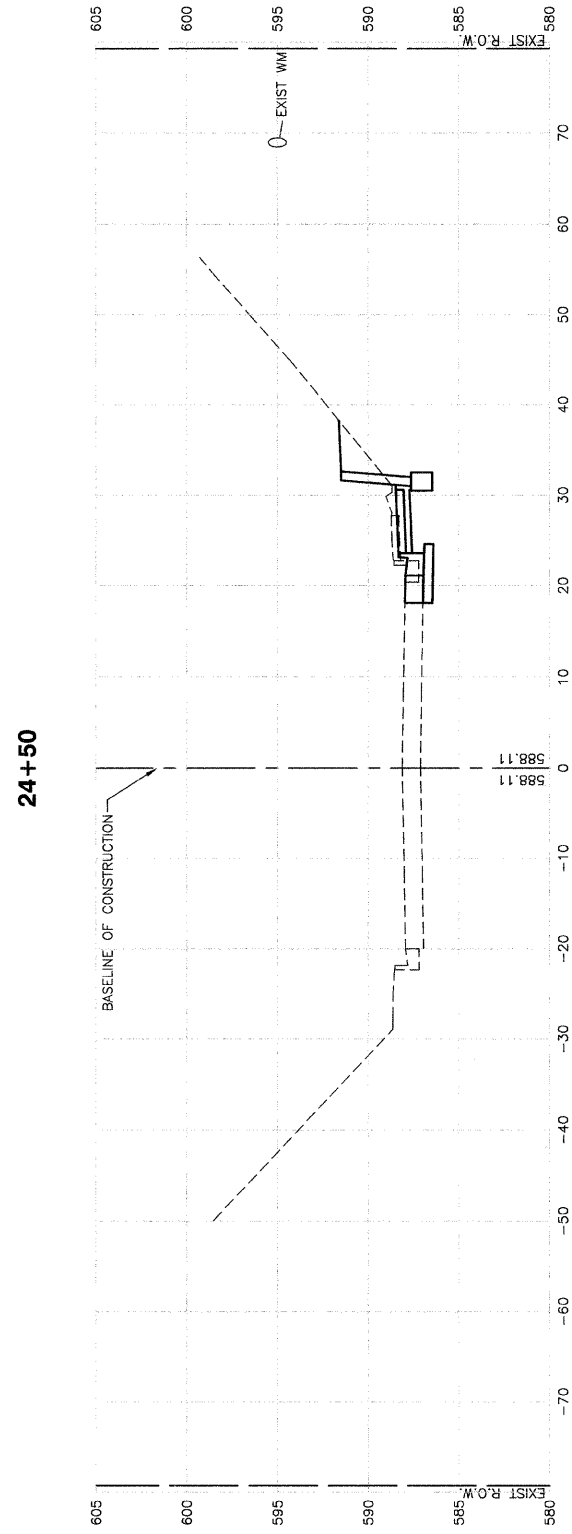
F.A.P. RTE. 351	SECTION 09-00086-00-CH	COUNTY COOK	TOTAL SHEETS 43	SHEET NO. 35
FED. ROAD DIST. NO. 1 ILLINOIS			FED. AID PROJECT M-9003(330)	
CONTRACT NO. 63261				



C=36 SF F=4 SF



C=28 SF F=3 SF



C=18 SF F=7 SF

FILE NAME = 06659 XSEC-01 - 202

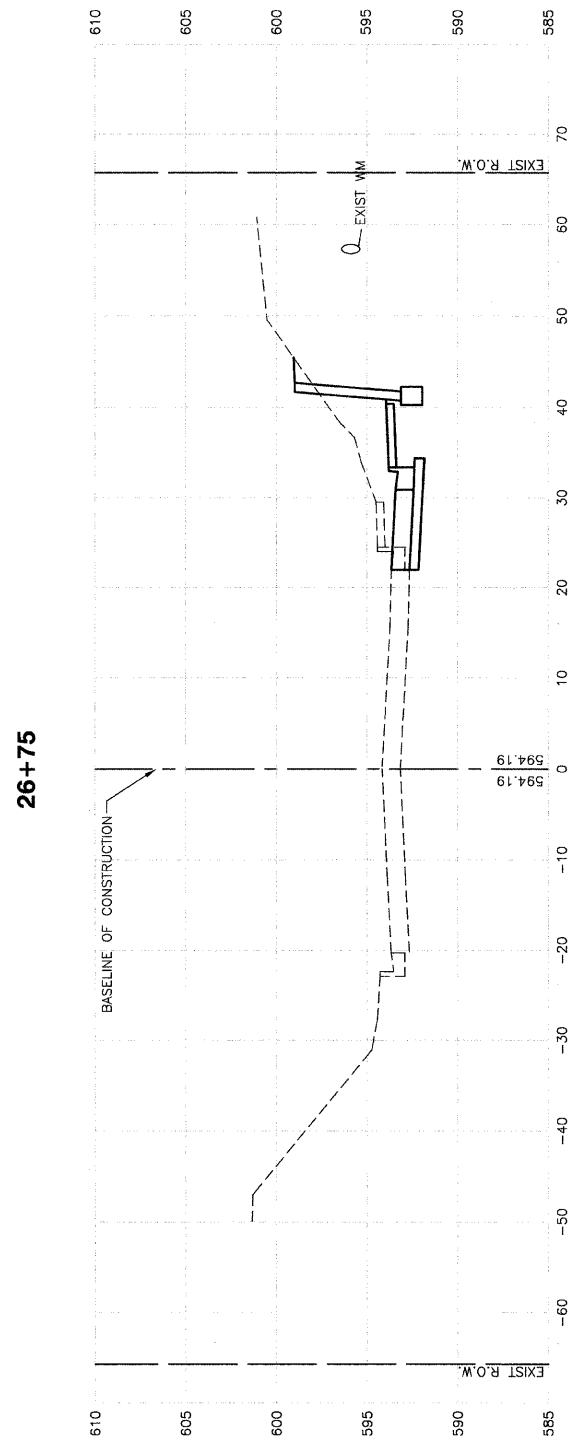
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PLOT SCALE =	DRAWN -- PS	REVISED --
PLOT DATE = 8-19-09	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

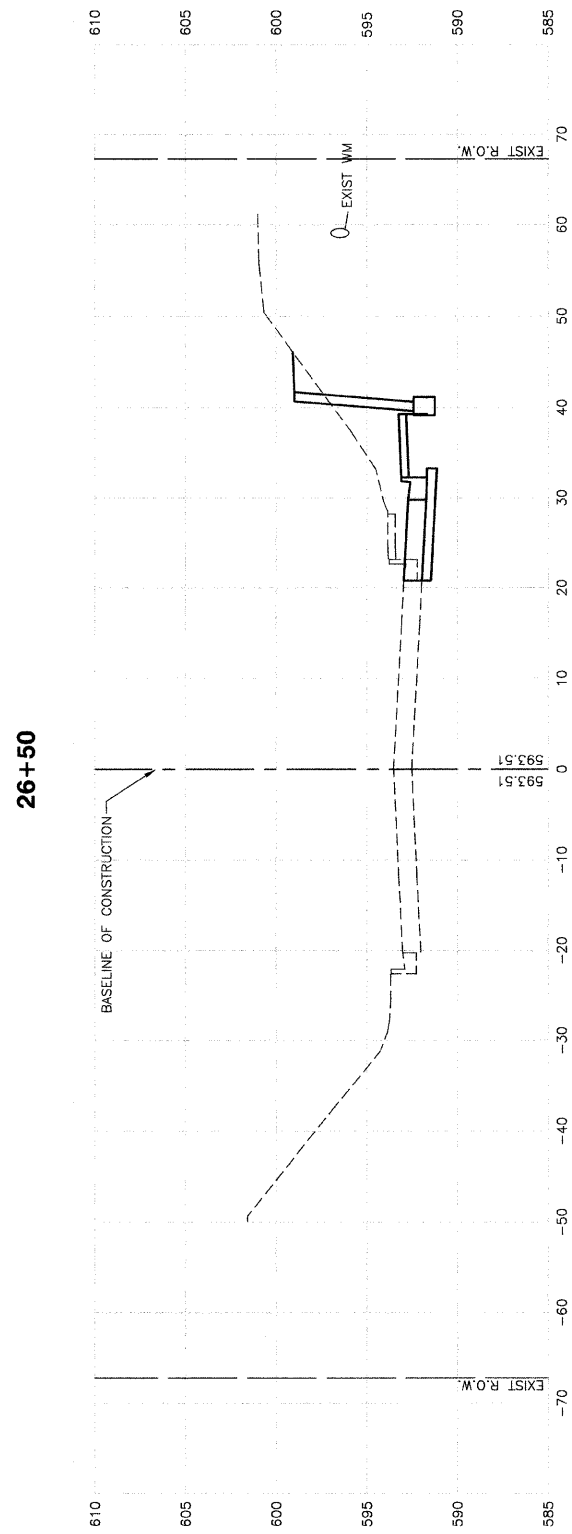
US ROUTE 6 (162ND STREET) & WAUSAU AVENUE
INTERSECTION IMPROVEMENTS
CROSS SECTIONS - US ROUTE 6 (162ND STREET)

SCALE: H 1"=10' V 1"=5' SHEET NO. 36 OF 43 SHEETS STA. 24+50 TO STA. 25+50

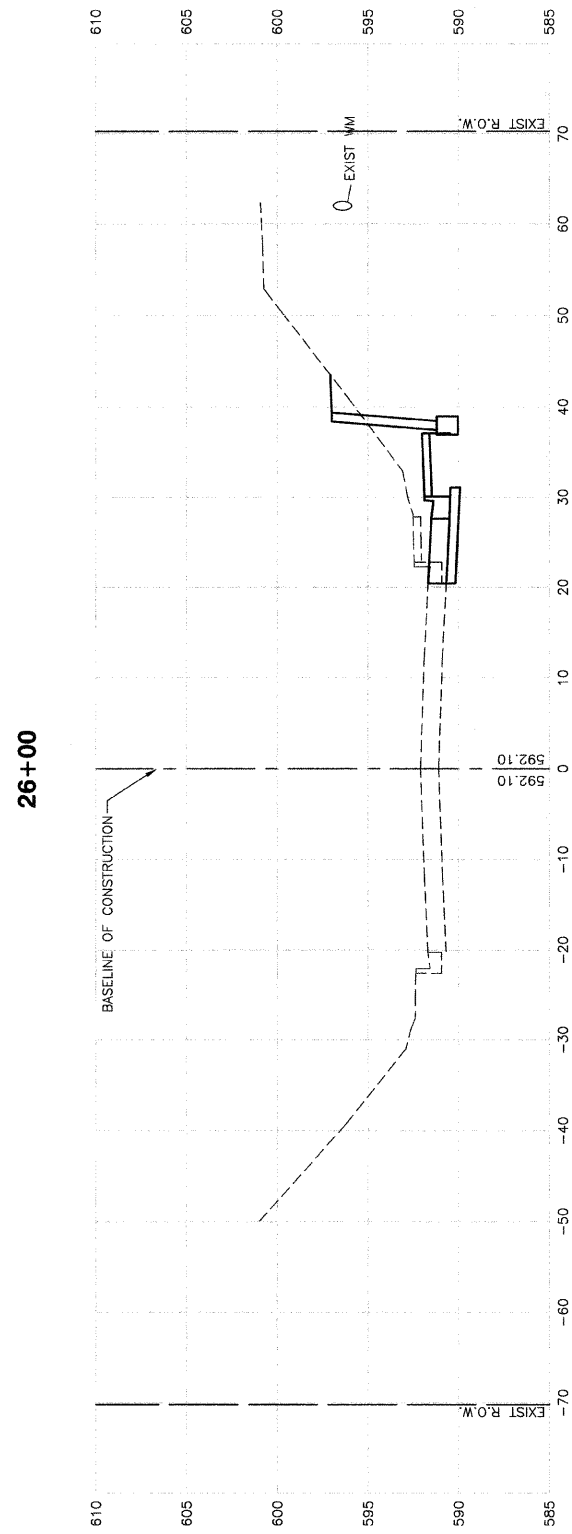
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	09-00086-00-CH	COOK	43	36
CONTRACT NO. 63261				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(330)				



C=61 SF F=2 SF



C=62 SF F=4 SF



C=49 SF F=4 SF

FILE NAME = 06959-XSEC-01 - X03

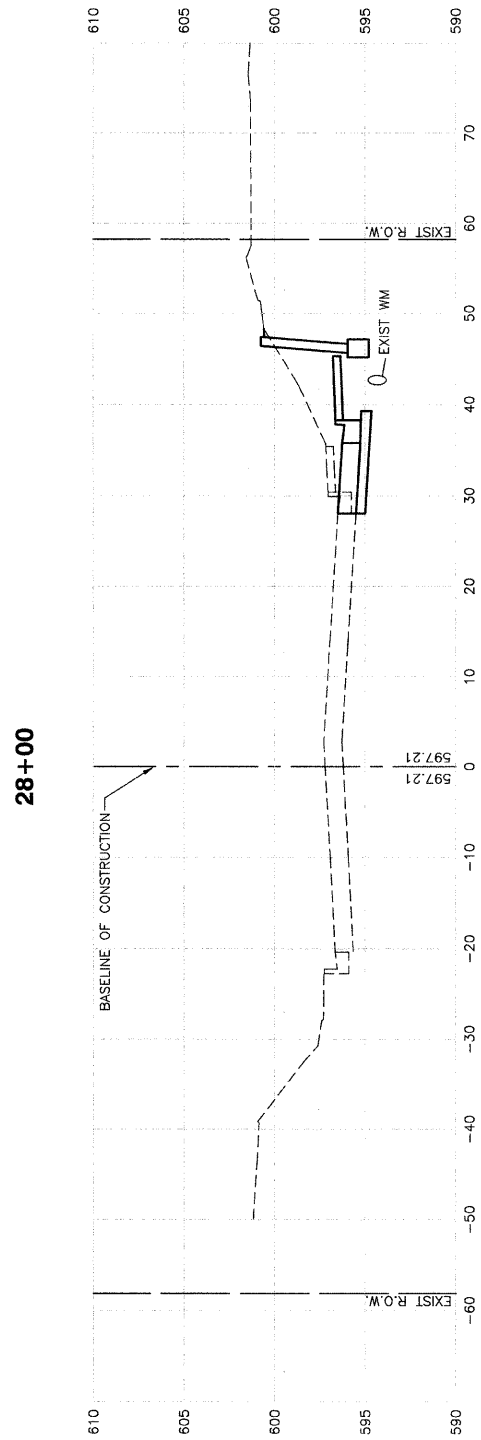
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PLOT SCALE =	DRAWN -- PS	REVISED --
PLOT DATE = 8-19-09	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

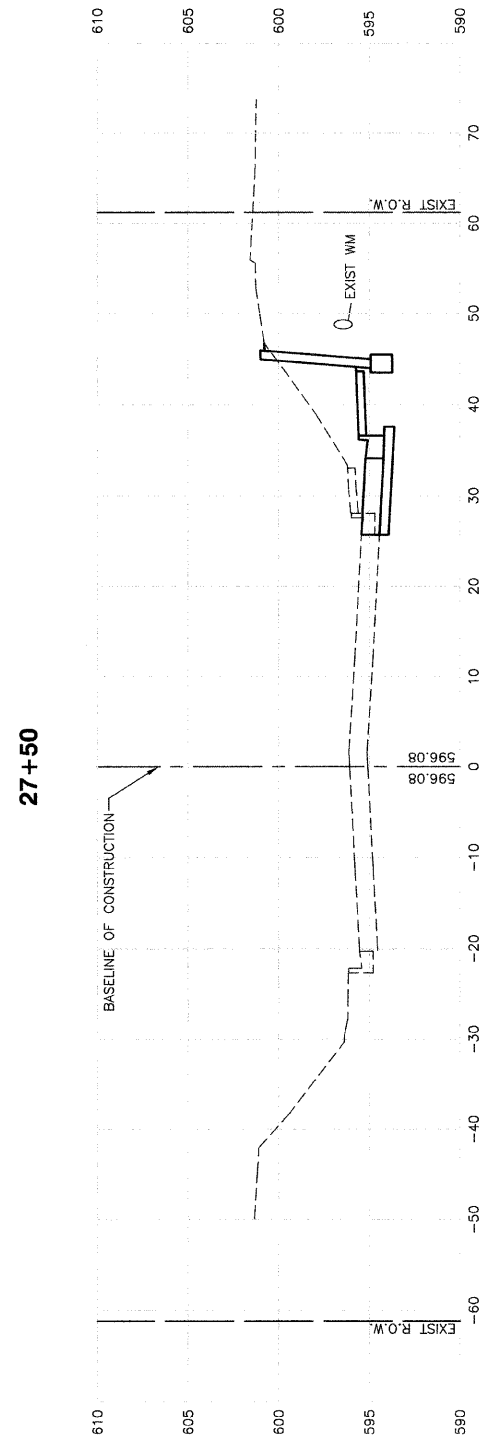
US ROUTE 6 (162ND STREET) & WAUSAU AVENUE
INTERSECTION IMPROVEMENTS
CROSS SECTIONS - US ROUTE 6 (162ND STREET)

SCALE: H 1"=10' V 1"=5' SHEET NO. 37 OF 43 SHEETS STA. 26+00 TO STA. 26+75

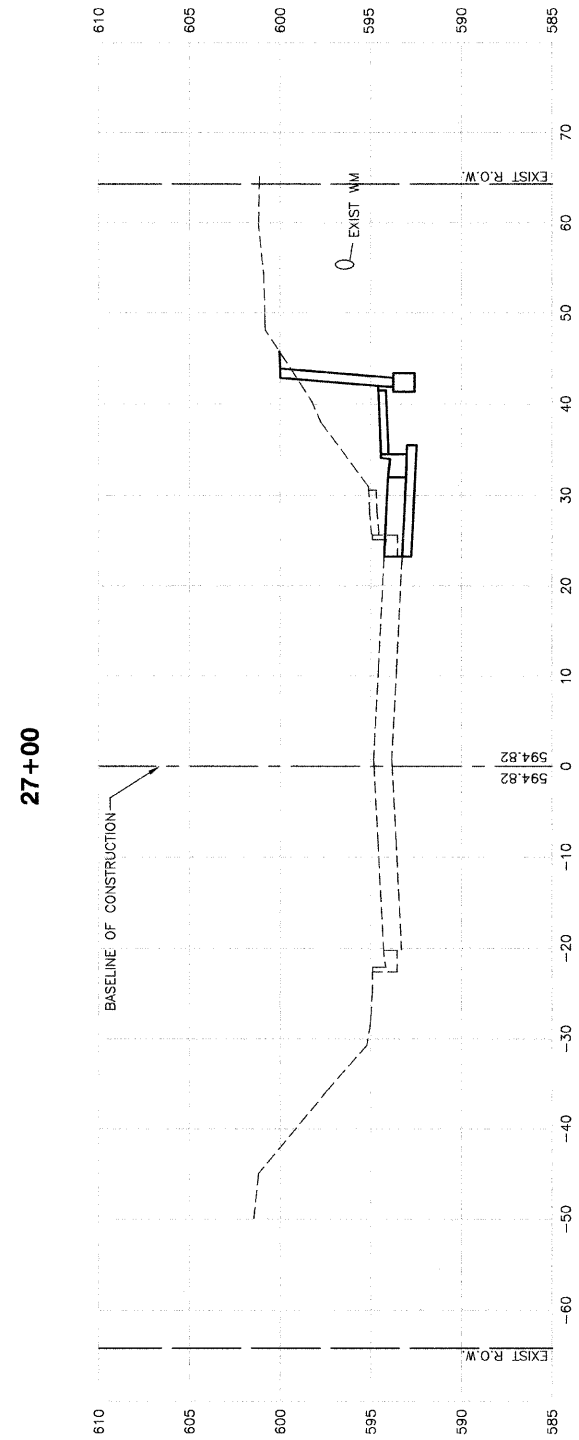
F.A.P. RTE. 351	SECTION 09-00086-00-CH	COUNTY COOK	TOTAL SHEETS 43	SHEET NO. 37
FED. ROAD DIST. NO. 1		ILLINOIS		FED. AID PROJECT M-9003(330)
CONTRACT NO. 63261				



C=53 SF F=0 SF



C=65 SF F=1 SF



C=70 SF F=2 SF

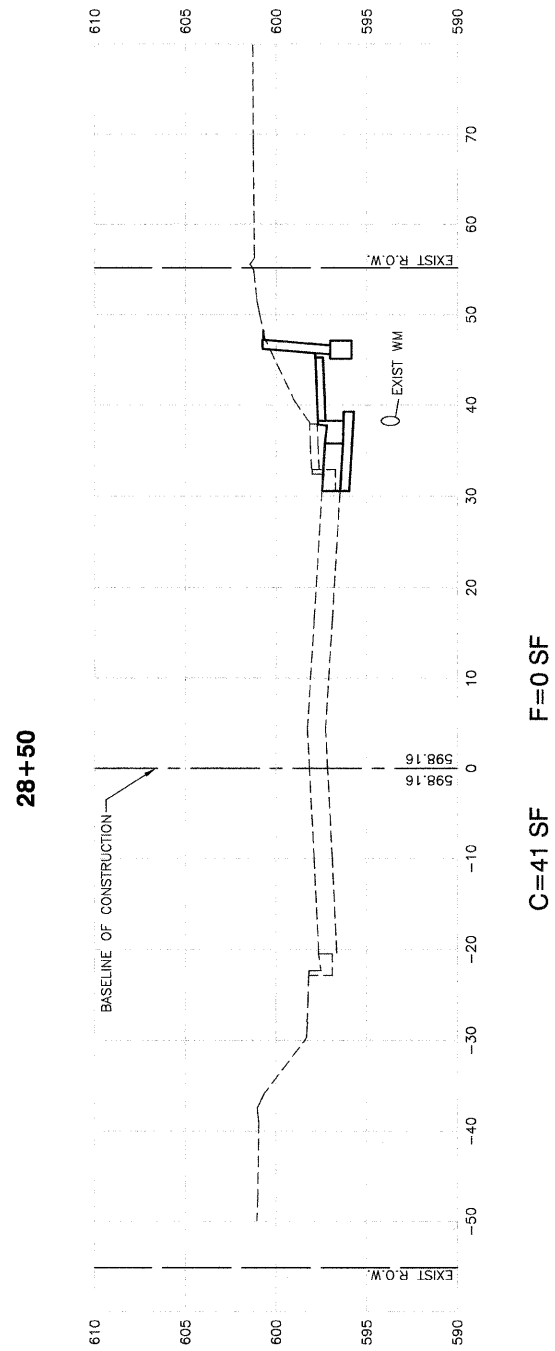
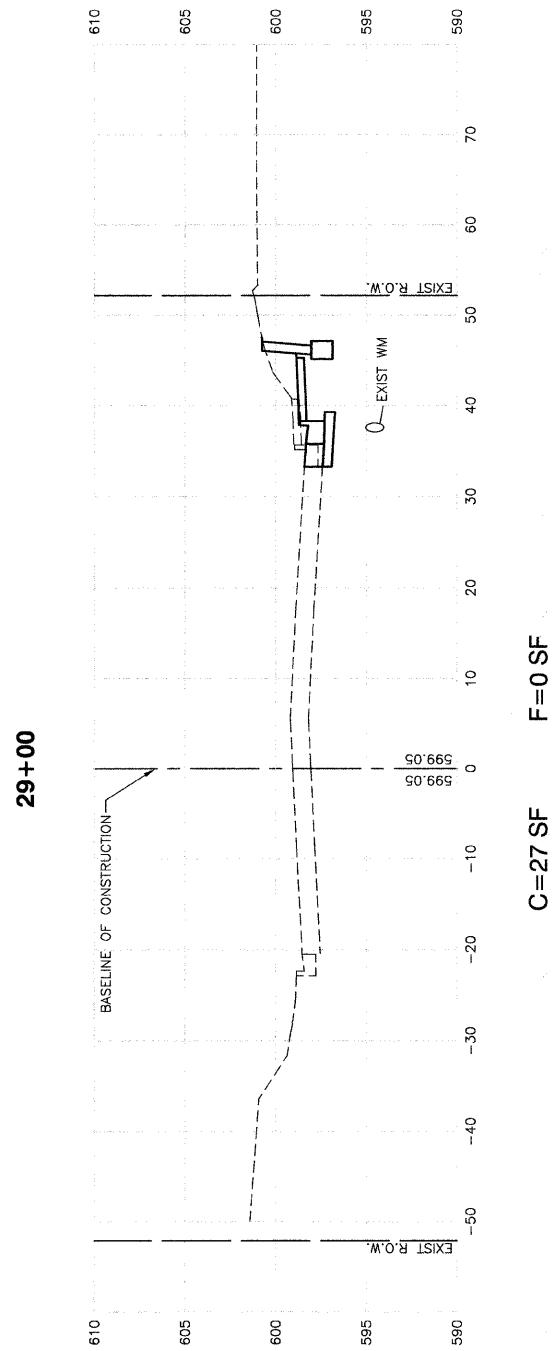
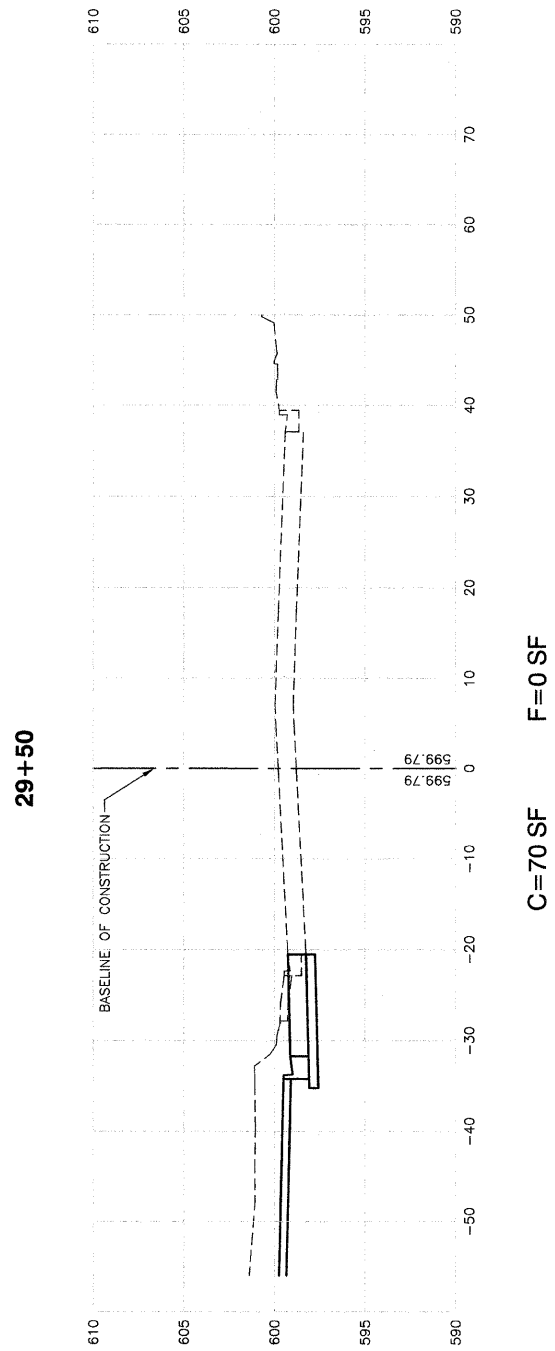
FILE NAME = 06659-XSEC-01 - X04

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PLOT SCALE =	DRAWN -- PS	REVISED --
PLOT DATE = 8-19-09	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 6 (162ND STREET) & WAUSAU AVENUE INTERSECTION IMPROVEMENTS CROSS SECTIONS - US ROUTE 6 (162ND STREET)	
SCALE: H 1"=10' V 1"=5'	SHEET NO. 38 OF 43 SHEETS
STA. 27+00	TO STA. 28+00

F.A.P. RTE. 351	SECTION 09-00086-00-CH	COUNTY COOK	TOTAL SHEETS 43	SHEET NO. 38
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT M-9003(330)		
CONTRACT NO. 63261				



FILE NAME = 06629-XSEC-01 - X05

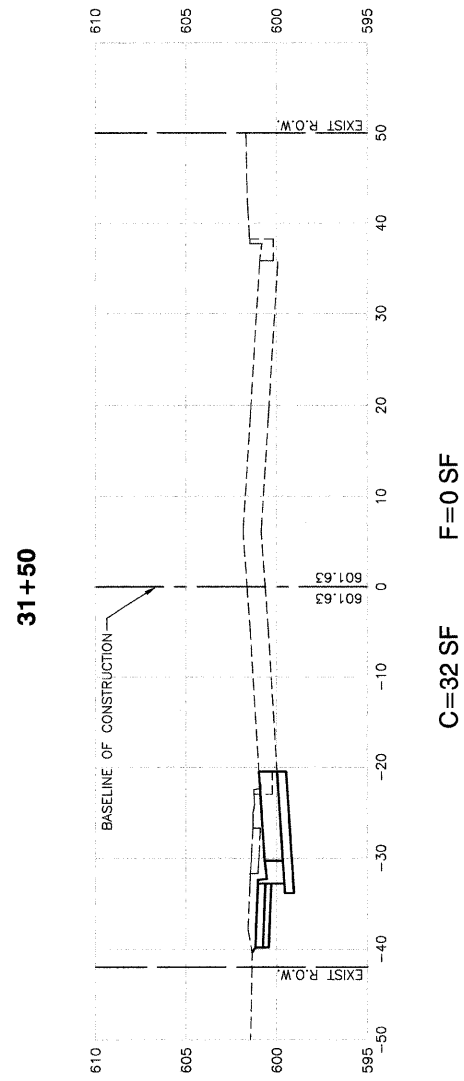
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	CHECKED -- PKB	REVISED --
PLOT SCALE =	DRAWN -- PS	REVISED --
PLOT DATE = 8-19-09	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

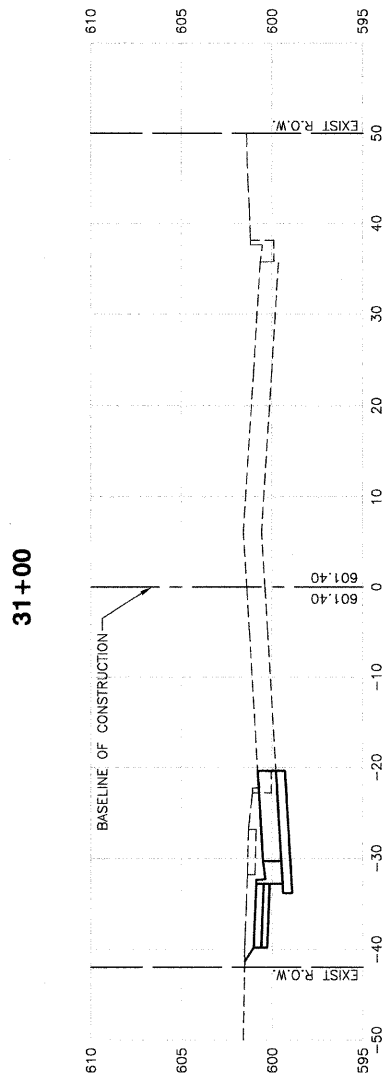
US ROUTE 6 (162ND STREET) & WAUSAU AVENUE
INTERSECTION IMPROVEMENTS
CROSS SECTIONS - US ROUTE 6 (162ND STREET)

SCALE: H 1"=10' V 1"=5' SHEET NO. 39 OF 43 SHEETS STA. 28+50 TO STA. 29+50

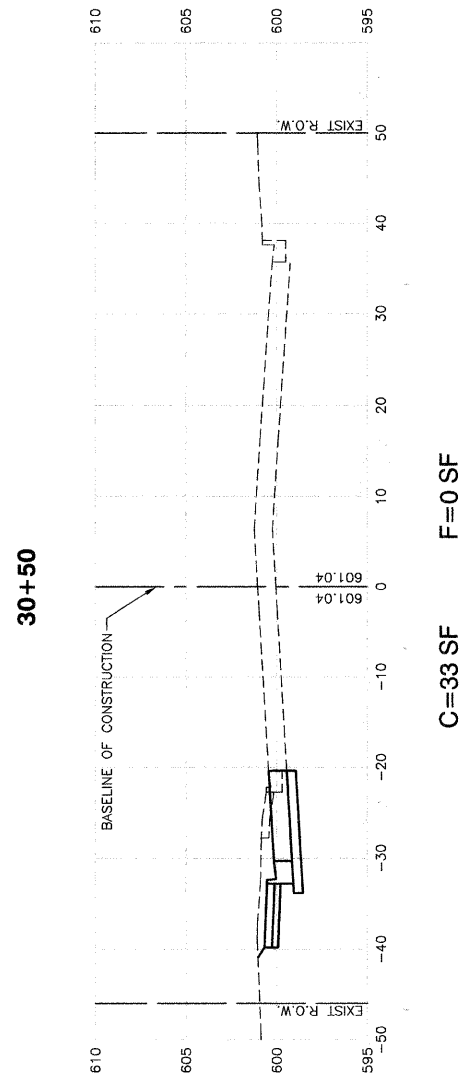
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	09-00086-00-CH	COOK	43	39
CONTRACT NO. 63261				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(330)				



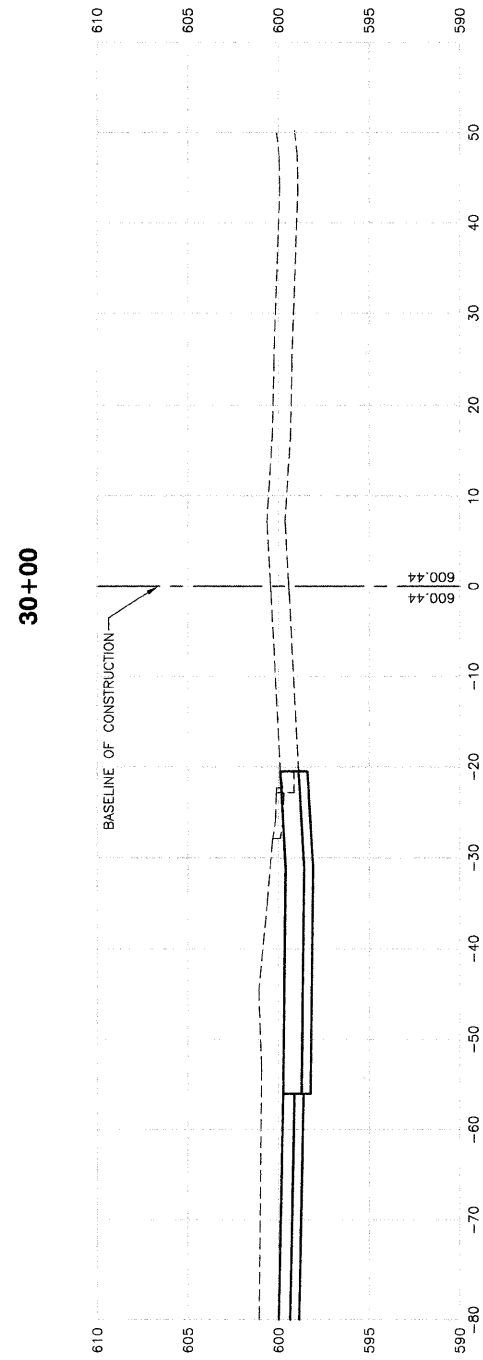
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C=35 SF F=0 SF



C=33 SF F=0 SF



C=84 SF F=0 SF

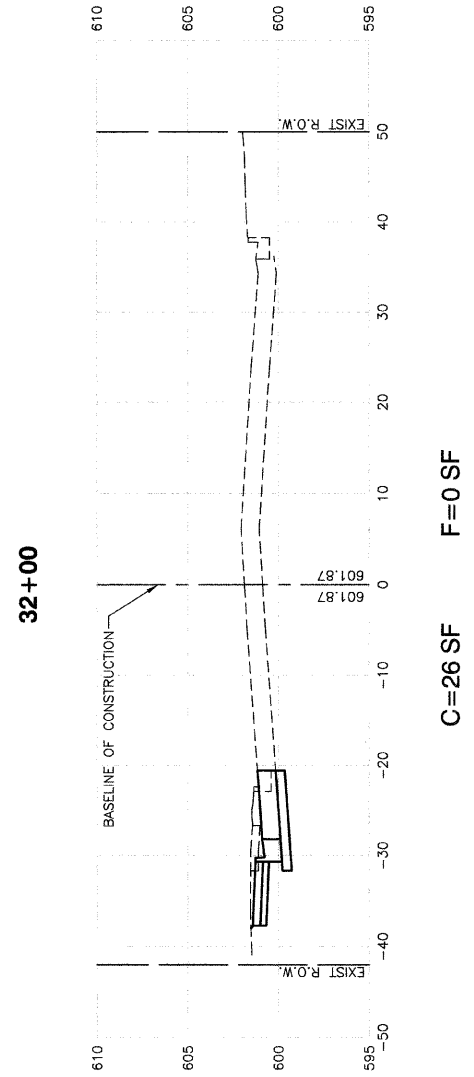
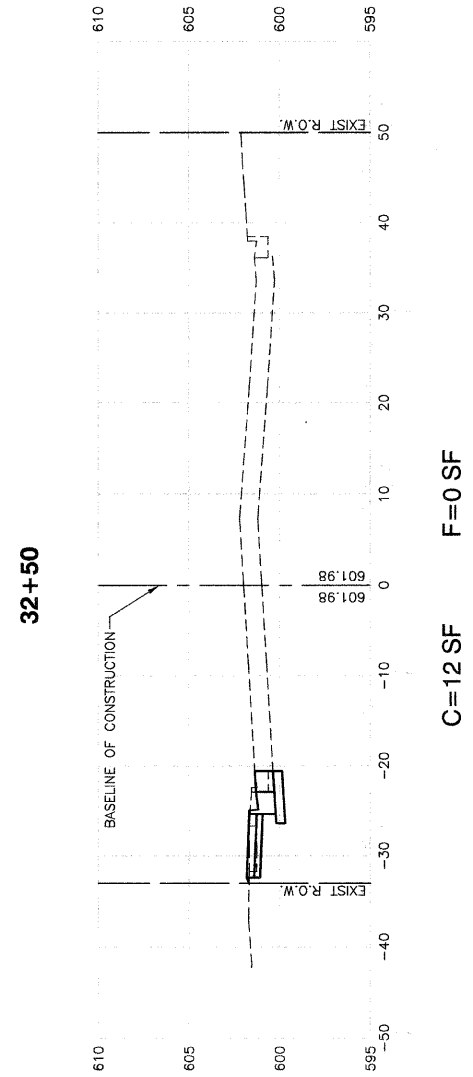
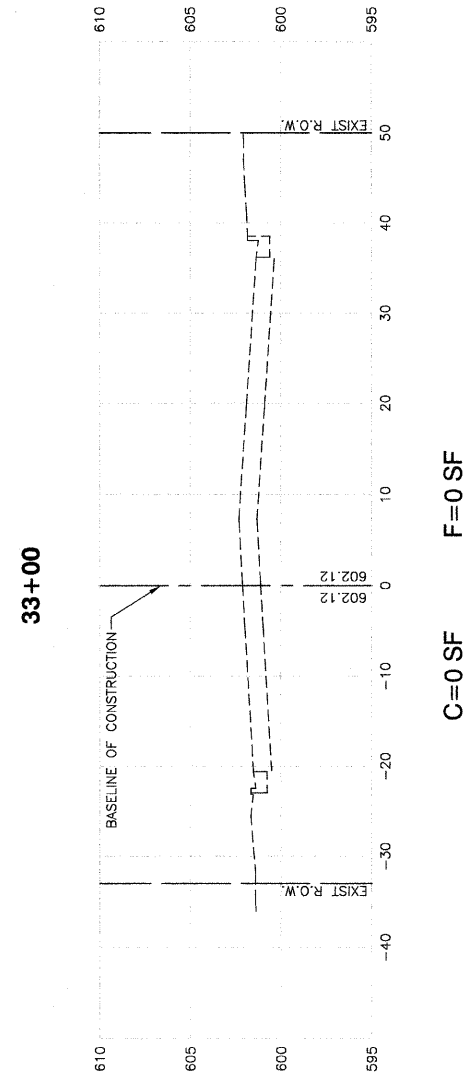
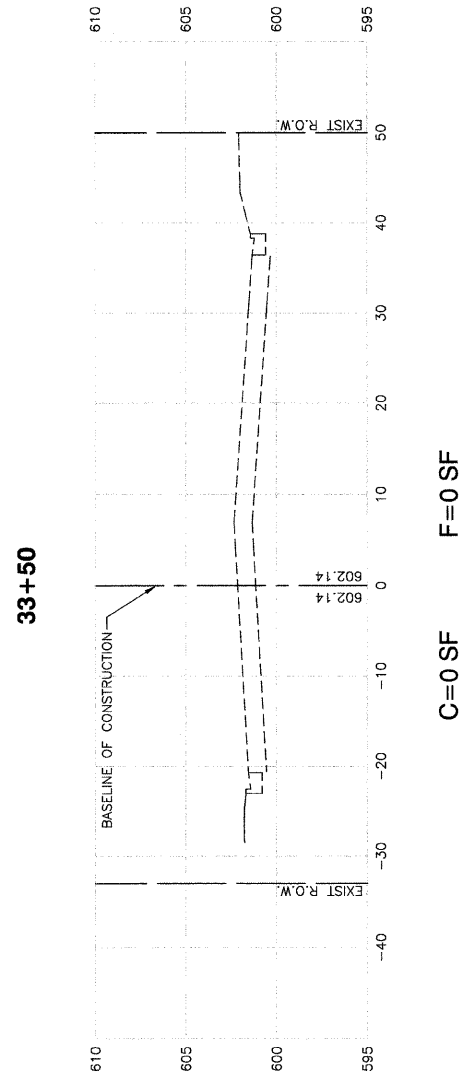
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USER NAME =	DESIGNED -- PKB	REVISED --
	CHECKED -- PKB	REVISED --
PLOT SCALE =	DRAWN -- PS	REVISED --
PLOT DATE = 8-19-09	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 6 (162ND STREET) & WAUSAU AVENUE INTERSECTION IMPROVEMENTS CROSS SECTIONS - US ROUTE 6 (162ND STREET)	
SCALE: H 1"=10' V 1"=5'	SHEET NO. 40 OF 43 SHEETS STA. 30+00 TO STA. 31+50

F.A.P. RTE. 351	SECTION 09-00086-00-CH	COUNTY COOK	TOTAL SHEETS 43	SHEET NO. 40
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT M-9003(330)		
CONTRACT NO. 63261				



FILE NAME = 06950-XSEC-01 - 207
 USER NAME =
 PLOT SCALE =
 PLOT DATE = 8-19-09

DESIGNED -- PKB	REVISED --
CHECKED -- PKB	REVISED --
DRAWN -- PS	REVISED --
CHECKED -- AG	REVISED --

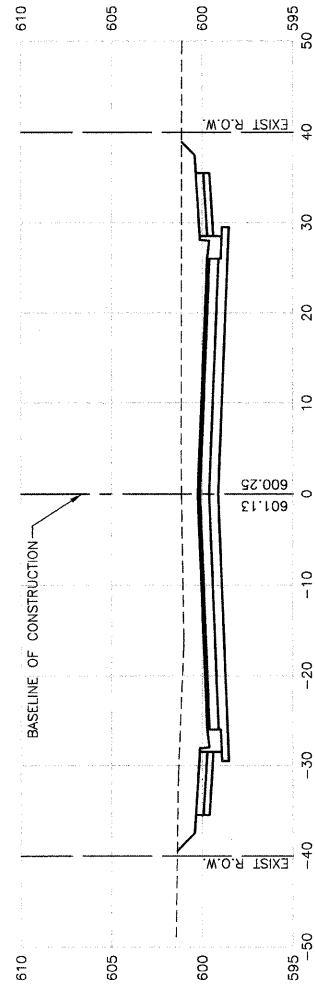
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

US ROUTE 6 (162ND STREET) & WAUSAU AVENUE
 INTERSECTION IMPROVEMENTS
 CROSS SECTIONS - US ROUTE 6 (162ND STREET)

SCALE: H 1"=10' V 1"=5' SHEET NO. 41 OF 43 SHEETS STA. 32+00 TO STA. 33+50

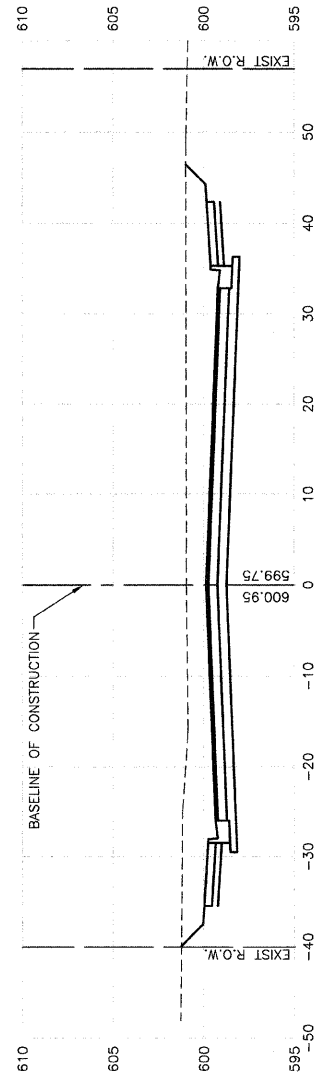
F.A.P. RTE. 351	SECTION 09-00086-00-CH	COUNTY COOK	TOTAL SHEETS 43	SHEET NO. 41
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT M-9003(350)		
CONTRACT NO. 63261				

57+50



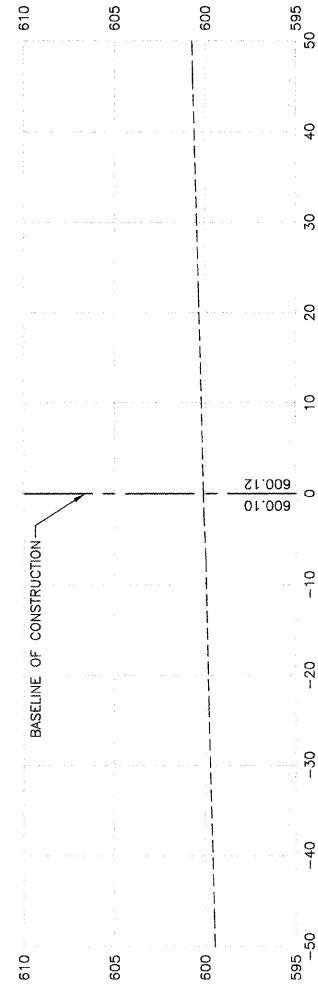
C=162 SF F=0 SF

57+00



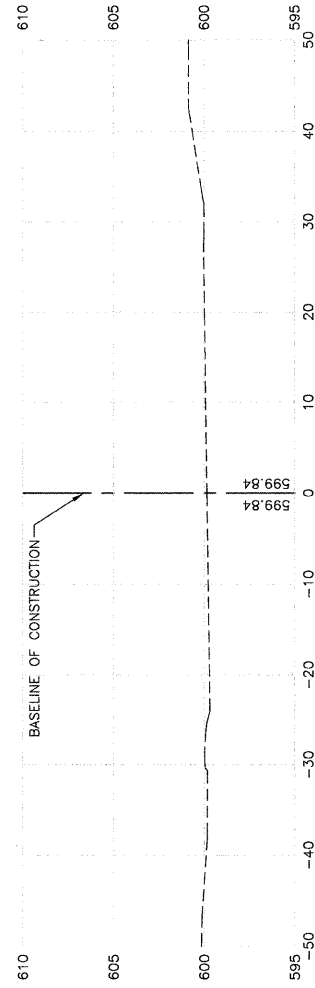
C=200 SF F=0 SF

56+50



C=0 SF F=0 SF

56+00



C=0 SF F=0 SF

FILE NAME = 06659-XSEC-01 - X11

USER NAME =	DESIGNED -- PKB	REVISED --
	CHECKED -- PKB	REVISED --
PLOT SCALE =	DRAWN -- PS	REVISED --
PLOT DATE = 8-19-09	CHECKED -- AG	REVISED --

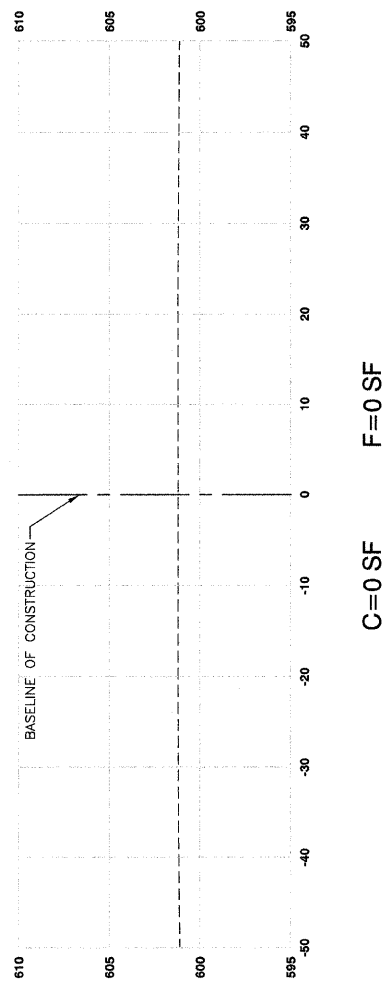
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 6 (162ND STREET) & WAUSAU AVENUE
INTERSECTION IMPROVEMENTS
CROSS SECTIONS - WAUSAU AVENUE

SCALE: H 1"=10' V 1"=5' SHEET NO. 42 OF 43 SHEETS STA. 56+00 TO STA. 57+50

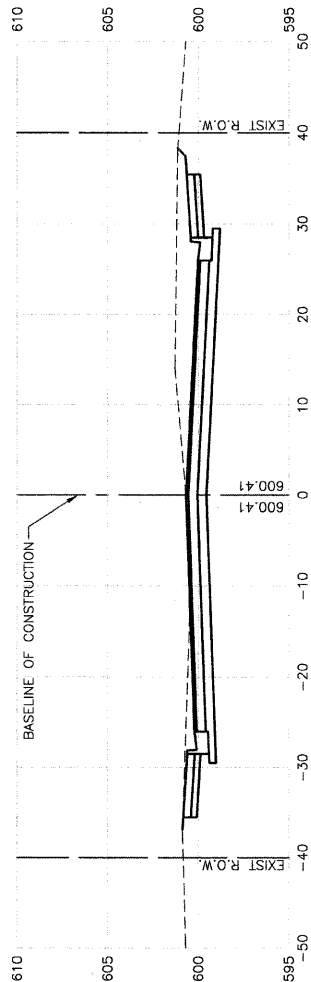
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	09-00086-00-CH	COOK	43	42
CONTRACT NO. 63261				
FED. ROAD DIST. NO. 1 ILLINOIS		FED. AID PROJECT M-9003(330)		

60+00



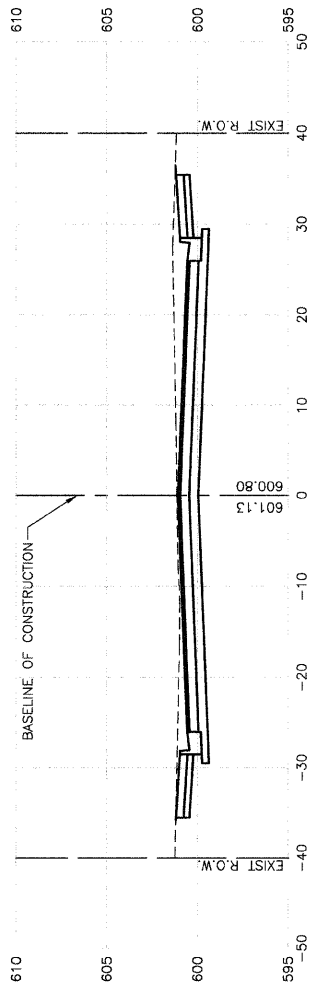
C=0 SF F=0 SF

59+50



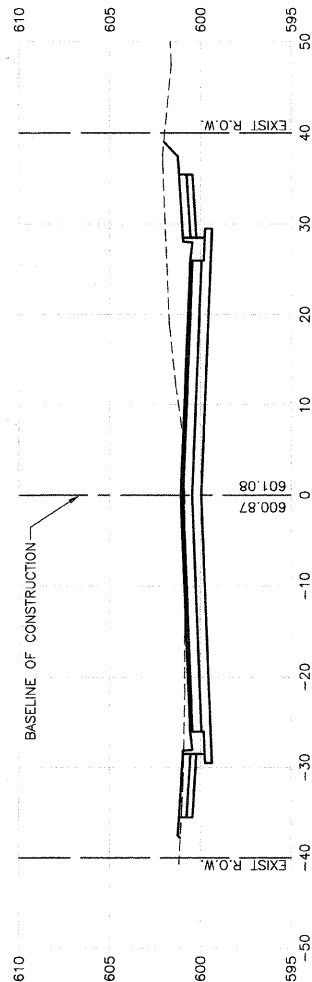
C=110 SF F=0 SF

59+00



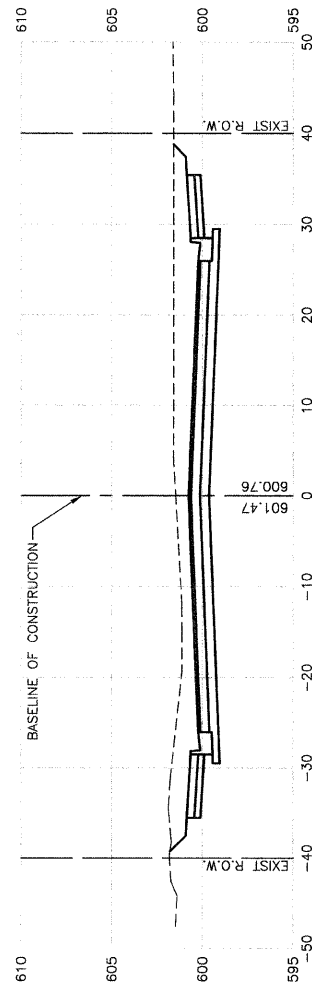
C=99 SF F=0 SF

58+50



C=104 SF F=0 SF

58+00



C=149 SF F=0 SF

FILE NAME = 06659-XSEC-01 - X12

USER NAME =	DESIGNED -- PKB	REVISED --
	CHECKED -- PKB	REVISED --
PLOT SCALE =	DRAWN -- PS	REVISED --
PLOT DATE = 8-19-09	CHECKED -- AG	REVISED --

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

US ROUTE 6 (162ND STREET) & WAUSAU AVENUE
INTERSECTION IMPROVEMENTS
CROSS SECTIONS - WAUSAU AVENUE

SCALE: H 1"=10' V 1"=5' SHEET NO. 43 OF 43 SHEETS STA. 58+00 TO STA. 60+00

F.A.P. RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
351	09-00086-00-CH	COOK	43	43
CONTRACT NO. 63261				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT M-9003(330)				