

# GENERAL NOTES

# COMMITMENTS

- 1 UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM AVAILABLE SURVEYS AND RECORDS. THEIR LOCATIONS MUST BE CONSIDERED TO BE APPROXIMATE ONLY. IT IS POSSIBLE THERE MAY BE OTHERS, THE EXISTENCE OF WHICH IS NOT PRESENTLY KNOWN OR SHOWN. IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THEIR EXISTENCE AND EXACT LOCATION AND TO AVOID DAMAGE THEREOF.
- 2 ANY FACILITIES OR APPURTENANCES WHICH ARE THE PROPERTY OF ANY PUBLIC UTILITY LOCATED WITHIN THE LIMITS OF CONSTRUCTION SHALL BE RELOCATED OR ADJUSTED BY THEIR RESPECTIVE OWNERS. THE CONTRACTOR SHALL NOTIFY AND COOPERATE WITH THE OWNERS OF ANY SUCH FACILITY IN THEIR REMOVAL AND REARRANGEMENT OPERATIONS IN ORDER THAT THESE OPERATIONS AND THE CONSTRUCTION OF THIS PROJECT MAY PROGRESS IN A REASONABLE MANNER. ALL ROADSIDE OBJECTS (UTILITY POLES, FIRE HYDRANTS, SIGNS, ETC.) SHALL BE RELOCATED TO PROVIDE A MINIMUM OF 2 FEET CLEARANCE MEASURED FROM THE FACE OF CURB TO THE NEAR EDGE OF THE OBJECT.
- 3 ILLINOIS STATE LAW REQUIRES A 48 - HOUR NOTICE TO BE GIVEN TO UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:
 

UTILITY COMPANY	TYPE
*AMERENIP	GAS & ELECTRIC
*AT&T CORPORATION	COMMUNICATIONS
*CHARTER COMMUNICATIONS, INC.	CABLE TV
*CITY OF COLLINSVILLE	WATER & SANITARY SEWER
*AT&T ILLINOIS	COMMUNICATIONS
*SOUTHWESTERN ELECTRIC COOPERATIVE, INC.	ELECTRIC

\*MEMBERS OF JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS (J.U.L.I.E.), THE J.U.L.I.E. SYSTEM PHONE NUMBER IS 1-800-882-0123. NON-J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.
- 4 PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL CONTACT THE LOCAL POSTMASTER FOR APPROVAL OF THE TEMPORARY MAILBOX LOCATIONS.
- 5 THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO ORDERING MATERIALS AND COMMENCING CONSTRUCTION.
- 6 THE CONTRACTOR SHALL STAGE ALL WORK IN SUCH A WAY AS TO MAINTAIN INGRESS AND EGRESS TO ALL ADJUTING PROPERTIES AT ALL TIMES DURING CONSTRUCTION.
- 7 WHEN THE MILLING OPERATION COMMENCES, "ROUGH GROOVED SURFACE" (W8-106-(0)-40) SIGNS SHALL BE PLACED BY THE CONTRACTOR AT EACH END OF THE SECTION, AND EACH INTERSECTING SIDE ROAD. THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICES BID FOR THE VARIOUS ITEMS OF WORK INVOLVED.
- 8 THE THICKNESS OF THE HOT-MIX ASPHALT MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURES ARE PLACED.
- 9 STORM SEWER INVERTS SHOWN ON THE PLANS HAVE BEEN CALCULATED TO THE CENTER OF THE STRUCTURE. THE STORM SEWER SLOPES SHOWN ON THE PLANS IS THE PERCENT GRADE FROM CENTER TO CENTER OF STRUCTURE. THE LENGTH OF STORM SEWERS SHOWN ON THE PLANS IS THE DISTANCE FROM CENTER TO CENTER OF STRUCTURE. STORM SEWER SHALL BE MEASURED AND PAID FOR AS SPECIFIED IN ARTICLE 650.09 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION." FLARED END SECTIONS ARE LOCATED BY STATION, OFFSET AND FLOWLINE ELEVATION AT THE FLARED END OF THE FLARED END SECTION.
- 10 THE CONTRACTOR SHALL INCLUDE THE COST OF MAKING CONNECTIONS TO EXISTING DRAINAGE STRUCTURES IN THE CONTRACT UNIT PRICE FOR THE STORM SEWER ITEMS INVOLVED.
- 11 ALL DRAINAGE STRUCTURES CONSTRUCTED, ADJUSTED OR RECONSTRUCTED UNDER THE CONTRACT, SHALL BE CLEANED OF ANY ACCUMULATION OF SILT, DEBRIS OR FOREIGN MATTER AT THE END OF EACH WORKING DAY AND AT THE TIME OF FINAL INSPECTION. THE COST OF THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICES BID FOR THE VARIOUS DRAINAGE STRUCTURE ITEMS INCLUDED IN THE CONTRACT.
- 12 THE CONTRACTOR SHALL APPLY TEMPORARY PAVEMENT MARKINGS TO THE MILLED, PRIMED AND EACH HOT-MIX ASPHALT SURFACE LAYER. A QUANTITY FOR TEMPORARY PAVEMENT MARKING EQUAL TO THE AMOUNT OF PERMANENT PAVEMENT MARKING TIMES THE NUMBER OF REQUIRED APPLICATIONS HAS BEEN INCLUDED IN THE PLANS.
- 13 THE TRAFFIC SIGNAL PLANS WERE DESIGNED AND PROVIDED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION
- 14 REMOVAL OF EXISTING ABEREGATE SHOULDERS SHALL BE INCLUDED WITH EARTH EXCAVATION.

- 15 THE COST OF THE COARSE AGGREGATE THAT IS REQUIRED UNDER THE CONCRETE MEDIAN SURFACE SHALL BE INCLUDED IN THE COST OF THE CONCRETE MEDIAN SURFACE, 4".
- 16 SUGGESTED STAGING PLANS HAVE BEEN INCLUDED WITH THIS CONTRACT. SHOULD THE CONTRACTOR WANT TO MODIFY THE STAGING, A PROPOSAL SHALL BE SUBMITTED AND APPROVED BY THE ENGINEER PRIOR TO MODIFICATIONS.
- 17 THE GEOTECHNICAL ENGINEER SHALL BE NOTIFIED IN ADVANCE WHEN THE SUBGRADE IS EXPECTED TO BE COMPLETED. ARTICLE 301.04 OF THE STANDARD SPECIFICATIONS STATES THAT THE SUBGRADE SHALL HAVE A MINIMUM IMMEDIATE BEARING VALUE (IBV) OF 8. THIS WILL BE DETERMINED ACCORDING TO THE ILLINOIS TEST PROCEDURE 501 OR 502.

### 18 MIXTURE REQUIREMENTS - SUPERPAVE PROJECT

ROUTE	FAU 9111	HORSESHOE LAKE ROAD
SECTION	73-15TS	
COUNTY	MADISON	
CONTRACT	76B22	

DESCRIPTION:	WIDENING AND RESURFACING ON HORSESHOE LAKE ROAD AND INTERSECTION IMPROVEMENTS ON EASTPORT PLAZA DRIVE
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ADT (CONSTRUCTION YR.)	24000
MU%:	2
SUM%:	2
20 YR. ESALS:	3.28

MIXTURE USE	SURFACE	LEVEL BINDER	BINDER/PATCHING	BASE COURSE
ACPG	SBS PG 76-22	PG 64-22	PG 64-22	PG 64-22
RAP % (MAX)	10%	10%	10%	10%
DESIGN AIR VOIDS	4.0% @ Ndes=90	4.0% @ Ndes=90	4.0% @ Ndes=90	4.0% @ Ndes=90
MIX COMPOSITION			IL-19.0	IL-19.0
(GRADATION MIXTURE)				
FRICITION AGG	MIXTURE "D"	MIXTURE "C"	MIXTURE "B"	MIXTURE "B"

MIXTURE USE	SHOULDERS	TOP LIFT SHOULDERS
ACPG	PG 58-22	PG 58-22
RAP % (MAX)	30%	30%
DESIGN AIR VOIDS	2.0% @ Ndes=30	**2.0% @ Ndes=30
MIX COMPOSITION		
(GRADATION MIXTURE)		
FRICITION AGG	BAM	BAM

\*\* TOP LIFT SHOULDERS - DESIGN THIS MIX AT 2.0% VOIDS AND ADD ASPHALT TO REDUCE VOIDS TO 1.5%

PLAN QUANTITIES FOR HOT-MIX ASPHALT SURFACE COURSE ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LBS/L YDM (99.8 KG/CL M<sup>2</sup>5 MM THICKNESS).

19. ADVANCE WARNING SIGNS SHALL BE PLACED ON THE TRAIL TO WARN TRAIL USERS OF THE CONSTRUCTION AHEAD. THE TRAIL SHALL NOT BE CLOSED EXCEPT WHEN PAVING AND REMOVING SHOULDERS ON EASTPORT PLAZA DRIVE WHERE THE TRAIL INTERSECTS. THE COST FOR THESE SIGNS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF OTHER TRAFFIC CONTROL ITEMS.

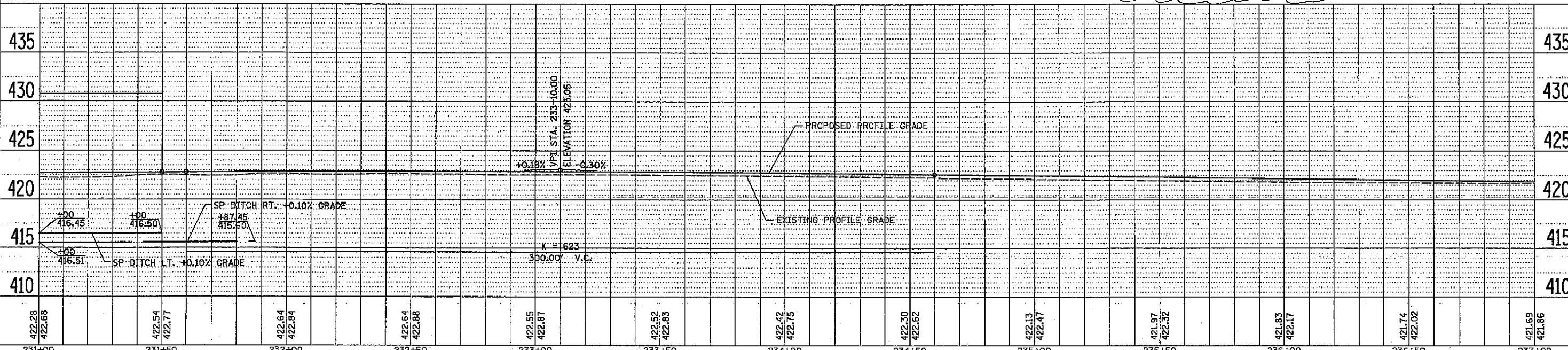
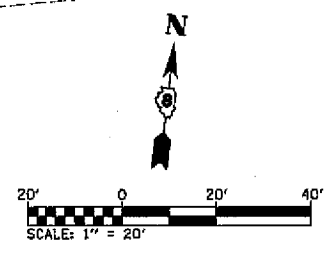
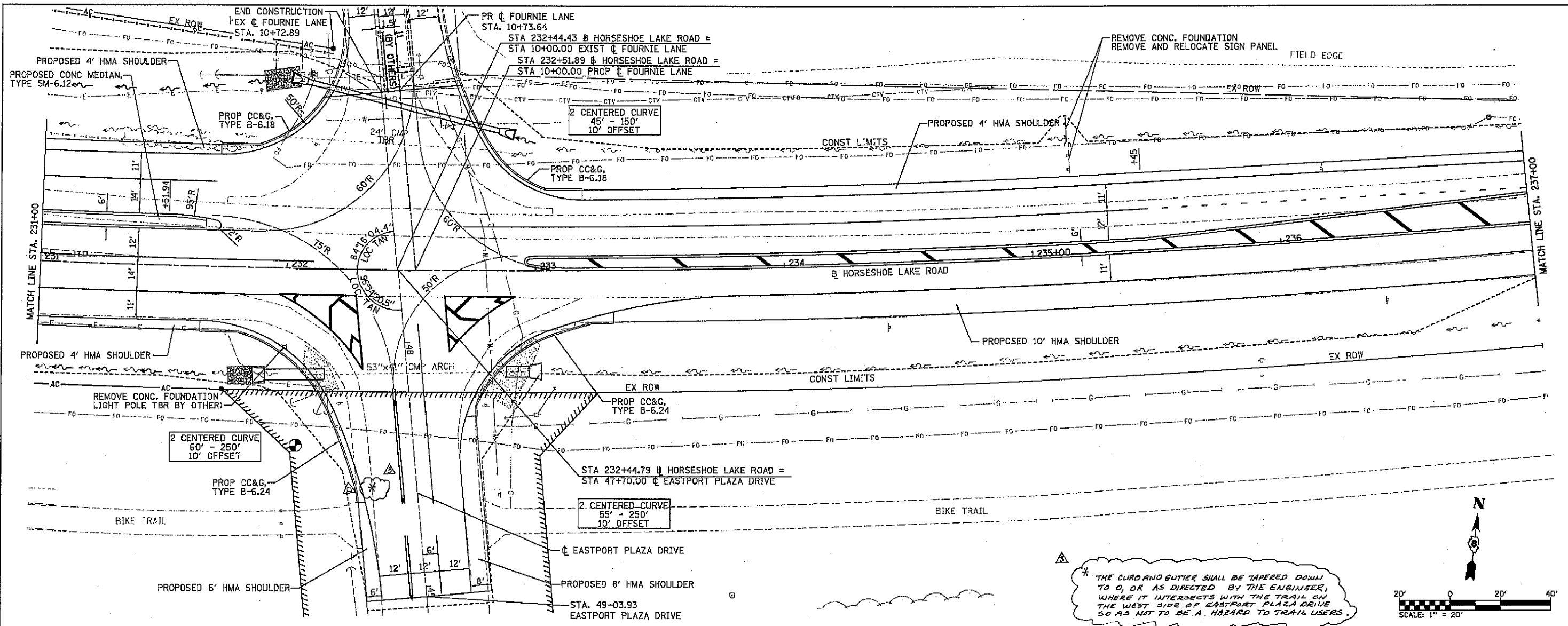
Rev. 6-6-08

ILLINOIS DEPARTMENT OF TRANSPORTATION  
SUMMARY OF QUANTITIES

CODE NO	ITEM	UNIT	URBAN TOTAL QUANTITIES	ACHSTP	ACM	ACHSTP	ACHSTP				
				1000-1A	1000-1A	Y031-1F	Y031-1F				
				ROADWAY	ROADWAY	TRAFFIC SIGNALS	TRAFFIC SIGNALS				
				HSIP	RT TURN LANE	I-255	PLAZA DR.				
	STP	RAMPS 3 & 4	FOURNIE LN.								
		90% FEDERAL 10% STATE	80% FEDERAL 20% STATE	90% FEDERAL 10% STATE	90% FEDERAL 5% STATE						
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1							
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	60	40	20						
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	749	631	118						
70300210	TEMPORARY PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	156	109	47						
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	11054	10465	589						
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	311	197	114						
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	633	571	62						
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	177	159	18						
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	5002	4586	416						
72000100	SIGN PANEL - TYPE 1	SQ FT	29	8	6				15		
72000200	SIGN PANEL - TYPE 2	SQ FT	49						49		
72400330	REMOVE SIGN PANEL - TYPE 3	SQ FT	344	200	144						
72400730	RELOCATE SIGN PANEL - TYPE 3	SQ FT	344	200	144						
72700100	STRUCTURAL STEEL SIGN SUPPORT - BREAKAWAY	POUND	3692	2448	1244						
73000100	WOOD SIGN SUPPORT	FOOT	54	36	18						
73400100	CONCRETE FOUNDATIONS	CU YD	7.4	4.9	2.5						
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	156	109	47						
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	11054	10465	589						
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	311	197	114						
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	390	329	62						
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	177	159	18						
<del>78001150</del>	<del>PAINT PAVEMENT MARKING - LINE 12"</del>	<del>FOOT</del>	<del>243</del>	<del>243</del>							
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	103	87	16						
78200300	PRISMATIC CURB REFLECTOR	EACH	52	52							
80300100	LOCATING UNDERGROUND CABLE	FOOT	80			40		40			
80500100	SERVICE INSTALLATION, TYPE A	EACH	1					1			
81012300	CONDUIT IN TRENCH, 1" DIA., PVC	FOOT	213			65		148			
81012500	CONDUIT IN TRENCH, 1 1/2" DIA., PVC	FOOT	590					590			
81012600	CONDUIT IN TRENCH, 2" DIA., PVC	FOOT	109					109			
81012700	CONDUIT IN TRENCH, 2 1/2" DIA., PVC	FOOT	55					55			
81012800	CONDUIT IN TRENCH, 3" DIA., PVC	FOOT	63			16		47			
81018500	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	198					198			

\* SPECIALTY ITEMS





FILE NAME = H:\V\25684\Technical Production\Civil\W017	USER NAME = #USER#	DESIGNED -	REVISÉ -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>HORSESHOE LAKE ROAD PLAN &amp; PROFILE SHEETS</b>			F.A.U. RTE. 9111	SECTION 13-15TS	COUNTY MADISON	TOTAL SHEETS 64	SHEET NO. 14
PLDT SCALE = 20.8030' / IN.	PLDT DATE = 3/14/2006	DRAWN -	REVISÉ -		SCALE: 1" = 20'	SHEET NO. 2 OF 3 SHEETS	STA. 231+00.00 TO STA. 237+00.00	CONTRACT NO. 76B22				
		CHECKED -	REVISÉ -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
		DATE -	REVISÉ -									