

INDEX OF SHEETS

1	COVER
2	INDEX OF SHEETS, GENERAL NOTES AND SUMMARY OF QUANTITIES
3-6	TYPICAL SECTIONS
7-8	SCHEDULE OF QUANTITIES
9	REMOVAL PLAN
10	ROADWAY PLAN AND PROFILE EROSION CONTROL PLAN
11-13	MAINTENANCE OF TRAFFIC
14	PAVEMENT MARKING PLAN
	DISTRICT 4 STANDARDS
15	205001-D4 SLOPE STEPS DETAIL
16-18	406101-D4 BUTT JOINTS
19	440001-D4 HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)
20	542016-D4 PIPE CULVERT EXTENSION COLLAR (WITHOUT END SECTION)
21-22	780001-D4 TYPICAL PAVEMENT MARKINGS
23-42	CROSS SECTIONS

HIGHWAY STANDARDS

280001-04	701001-02
	701006-03
442201-03	701201-03
	701306-02
542301-02	701326-03
	701901-01
606301-04	720006-02
	780001-02

COMMITMENTS

No Commitments have been made for this Project

JOB SPECIFIC NOTES

SLOPE BENCHING
Steps/Benches shall be cut into the existing slopes before Embankment Construction Begins.

UTILITY COMPANY REPRESENTATIVES

WATER:	ELECTRIC:
ILLINOIS AMERICAN WATER	AMEREN/CILCO
ANTHONY HALL	DAN URBANIAK
328 BROADWAY	8420 N. UNIVERSITY
PEKIN, IL 61554	PEORIA, IL 61615

STATUS OF UTILITIES

OWNER	UTILITY	STATION	STATUS
AMEREN/CILCO	LIGHT POLE	109+21, LT.	RELOCATE
ILLINOIS AMERICAN	WATER VALVE	5+71, RT.	CAUTION

GENERAL NOTES

UTILITIES - LOCATIONS/INFORMATION ON PLANS

The locations of existing water mains, gas mains, sewers, electric power lines, telephone lines and other utilities as shown on the plans are based on careful field investigation and the best information available, but they are not guaranteed. Unless elevations are shown -- all utility locations shown on the cross sections are based on the approximate depth supplied by the utility company. It shall be the Contractor's responsibility to ascertain their exact location from the utility companies and by field inspection.

TREE REMOVAL - UTILITY RELOCATION

Tree removal may be necessary prior to utility companies being able to relocate their facilities outside the construction limits. The Contractor should coordinate any contract tree removal activities with the utility companies to eliminate conflicts and potential delays caused by utility tree removal activities or incomplete utility relocations.

PROPERTY OWNER ACCESS REQUIREMENT

Access must be maintained to all existing properties during construction per Article 107.08 unless arrangements are made in writing by the Contractor with the property owners with a copy to the Engineer for short-term closures.

WINTER SHUTDOWN RESTRICTIONS ON COLD MILLED PROJECTS

Prior to winter shutdown the following steps shall be taken:

- All cold milled surfaces shall be overlaid.
- All lanes shall be reopened to traffic.
- Manholes, where applicable, shall be adjusted to the elevation of the binder to ease in plowing snow, and re-adjusted to finished grade in the Spring. The initial manhole adjustment will be paid for at the contract unit price and any re-adjustment, as directed by the Engineer, will be paid for in accordance with Article 109.04.
- Temporary or permanent pavement marking shall be placed as applicable.

PAVEMENT STATION NUMBERS & PLACEMENT

The Contractor shall provide labor and materials required to imprint pavement station numbers in the finished surface of the pavement and/or overlay. The numbers shall be approximately 20 mm (3/4 inch) wide, 125 mm (5 inches) high and 15 mm (5/8 inch) deep.

The pavement station numbers shall be installed as specified herein:

Interval - 100 meters (metric stationing) or 200 feet (English stationing)

Bottom of Numbers - 150 mm (6 inches) from the inside edge of the pavement marking

Location:

- 2, 3, & 5 Lane Pavements - right edge of pavement in direction of increasing stations
 - Multi-Lane Divided Roadways - outside edge of pavement in both directions
 - Ramps - along baseline edge of pavement
- Position - stations shall be placed so they can be read from the adjacent shoulder

Format - Metric (English) pavement stations shall use this format "XX+X00 (XXX)", where X represents the pavement station

This work will not be paid for separately, but will be considered included in the cost of the associated pavement and/or overlay pay items.

ORDERING LENGTH CONFIRMATION - DRAINAGE ITEMS

The Contractor shall consult with the Engineer in regard to the exact length of the box/pipe culverts, storm sewers, and/or pipe drains required prior to ordering these items.

SIGN POST HOLES

Vertical holes shall be constructed in the island pavement and/or concrete median of the type specified or concrete median surface 100 mm (4 inches). The holes shall be 800 mm (24 inches) in diameter or 800 mm (24 inches) square and they shall be free of any obstruction, except earth, for a depth of 1.5 m (5 feet) at the locations shown on the plans or as directed by the Engineer. Any holes not used for the placement of signs shall be filled and compacted flush with the top of the island pavement, concrete median of the types specified, or concrete median surface 100 mm (4 inches). The top 75 mm (3 inches) of said compacted fill shall consist of a bituminous concrete mixture. All holes in which the sign posts are installed at the time of this contract shall be similarly filled.

This work, including any required pavement removal necessary to construct the sign post holes, will not be paid for separately but shall be included in the contract unit price per square meter (square foot) for ISLAND PAVEMENT and/or CONCRETE MEDIAN of the type specified, or CONCRETE MEDIAN SURFACE, 100 mm (4 inches).

SIGNING

Sign locations may vary from the stations shown on the plans in accordance with directions from the Engineer at the time of construction. Sign locations may be adjusted in the field to avoid any found utilities.

REFLECTIVE CRACK CONTROL PLACEMENT

Reflective crack control treatment shall be placed on the cold milled surface.

ENVIRONMENTAL REVIEWS

Prior to the use of any proposed borrow areas, use areas (temporary access roads, detours, run-arounds, etc.) and/or waste areas, the Contractor shall file the required environmental resource request surveys according to Section 107.22 of the Standard Specifications. These surveys are required in order for the Department to conduct cultural and biological resource survey for the proposed site.

Prior to any waste materials being removed from the construction site the required environmental resource surveys will need to be obtained and filed by the Contractor. Excess waste products removed from the construction site shall be disposed of as required in Section 202.03 of the Standard Specifications.

Any protruding metal bars shall be removed prior to the disposal of broken concrete at approved disposal sites.

The required environmental resource documentation shall include the following:

- BDE Form 2289 (Environmental Survey Request)
- A location map showing the size limits and location of the use area
- Signed Property Owner Agreement form - D4 PI0100
- Color photographs depicting the use area
- Borrow Area Entry Agreement form - D4 PI0101

Please note that a minimum of two weeks shall be allowed for the District to obtain the required environmental clearances.

SOIL REPORT AVAILABILITY

All soils data collected and processed for the Soils Report made in conjunction with the design of this improvement is on file at the District Office where it is available for inspection by Contractors or prospective bidders. By submitting a bid, the Contractor acknowledges that the Soils Report has been made available and is aware of the report contents and appendices.

HOT-MIX ASPHALT MIXTURE REQUIREMENTS

Location(s):	IL. RTE. 9/ACCESS ROAD		
Mixture Uses(s):	SURFACE HMA FULL-DEPTH 13 1/4"	TOP LIFT BINDER HMA BASE COURSE	LOWER LIFT BINDER HMA BASE COURSE
RAP % (Max)**:	15%	25%	25%
AC/PG:	PG 64-28	PG 64-28	PG 64-22
Design Air Voids:	4.0% @ N = 50	4.0% @ N = 70	4.0% @ N = 70
Mixture Composition:	IL 9.5 OR IL 12.5	IL 19.0	IL 19.0
(Gradation Mixture)			
Friction Aggregate:	MIX "D"	N/A	N/A
Mixture Weight:	112#/SQ YD/IN	112#/SQ YD/IN	112#/SQ YD/IN

**If the RAP option is selected, the asphalt cement grade may need to be adjusted; This will be determined by the Engineer.

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES				TAZEWELL COUNTY 100% FEDERAL CONSTRUCTION TYPE CODE	
CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	1000 - 2 FT (BIT.)	ROADWAY RURAL
20200100	EARTH EXCAVATION	CU YD	1,210		1,210
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	85		85
20400100	BORROW EXCAVATION	CU YD	500		500
20700220	POROUS GRANULAR EMBANKMENT	CU YD	55		55
20800150	TRENCH BACKFILL	CU YD	40		40
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	110		110
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	4,158		4,158
25000210	SEEDING, CLASS 2A	ACRE	1.0		1.0
26000400	NITROGEN FERTILIZER NUTRIENT	POUND	90		90
26000500	PHOSPHOROUS FERTILIZER NUTRIENT	POUND	90		90
26000600	POTASSIUM FERTILIZER NUTRIENT	POUND	90		90
26100115	MULCH, METHOD 2	ACRE	1.0		1.0
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	100		100
28000300	TEMPORARY DITCH CHECKS	EACH	4		4
28000400	PERIMETER EROSION BARRIER	FOOT	200		200
28000500	INLET AND PIPE PROTECTION	EACH	1		1
31100500	SUB-BASE GRANULAR MATERIAL, TYPE A 6"	SQ YD	707		707
31100910	SUB-BASE GRANULAR MATERIAL, TYPE A 12"	SQ YD	1,533		1,533
35501320	HOT-MIX ASPHALT BASE COURSE, 9"	SQ YD	707		707
35501326	HOT-MIX ASPHALT BASE COURSE, 10 1/2"	SQ YD	1,533		1,533
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	10		10
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GAL	633		633
40600300	AGGREGATE (PRIME COAT)	TON	10		10
40600895	CONSTRUCTING TEST STRIP	EACH	1		1
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	180		180
40600990	TEMPORARY RAMP	SQ YD	52		52
40603335	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50	TON	553		553
44000100	PAVEMENT REMOVAL	SQ YD	764		764
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	3,977		3,977
44000196	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	275		275
44201747	CLASS D PATCHES TYPE IV, 8 INCH	SQ YD	61		61
44300900	STRIP REFLECTIVE CRACK CONTROL TREATMENT SYSTEM A	FOOT	1,375		1,375
48101600	AGGREGATE SHOULDERS, TYPE B 8"	SQ YD	342		342
48203029	HOT-MIX ASPHALT SHOULDERS, 6"	SQ YD	642		642
50104400	CONCRETE HEADWALL REMOVAL	EACH	1		1
50800105	REINFORCEMENT BARS	POUND	40		40
542A1069	PIPE CULVERTS, CLASS A, TYPE 2 24"	FOOT	120		120
542A1075	PIPE CULVERTS, CLASS A, TYPE 2 30"	FOOT	18		18
54213689	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	2		2
54213675	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 30"	EACH	1		1
54248510	CONCRETE COLLAR	CU YD	0.7		0.7
60621600	CONCRETE MEDIAN, TYPE SM	SQ FT	240		240
67100100	MOBILIZATION	L SUM	1		1
70101700	TRAFFIC CONTROL AND PROTECTION	L SUM	1		1
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	10		10
72000100	SIGN PANEL - TYPE 1	SQ FT	13		13
73000100	WOOD SIGN SUPPORT	FOOT	32		32
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	78		78
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	8,601		8,601
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	725		725
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	531		531
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	33		33
Z0013798	CONSTRUCTION LAYOUT	L SUM	1		1
Z0023600	FILLING EXISTING CULVERTS	EACH	1		1
X0712400	TEMPORARY PAVEMENT	SQ YD	153		153
X7240505	RELOCATE SIGN PANEL AND POST	EACH	2		2

*SPECIALTY ITEMS