INDEX OF SHEETS

SHEET NO. DESCRIPTION

- COVER SHEET
- INDEX OF SHEETS/ HIGHWAY STANDARDS/ GENERAL NOTES 2 - 3
- 4 13 SUMMARY OF QUANTITIES
- 14 18 TYPICAL SECTIONS
- 19 23 SCHEDULE OF QUANTITIES 24 - 33
- ALIGNMENT, TIES, AND BENCHMARKS CONSTRUCTION LIMITS 34 - 35
- PROPOSED ROADWAY PLANS 36 - 41
- PROPOSED ROADWAY PROFILES 42 - 50
- MAINTENANCE OF TRAFFIC & SUGGESTED STAGING 51 - 57
- 58 63 EROSION AND SEDIMENT CONTROL PLANS
- EROSION CONTROL DETAILS
- EXISTING DRAINAGE PLANS 65 - 69
- PROPOSED DRAINAGE PLANS 70 - 75
- PROPOSED DRAINAGE PROFILES 76 - 80
- 81 ~ 83 DRAINAGE SCHEDOLE
- DRAINAGE DETAILS 84 - 86 UTILITY PLANS BY THE 87 - 102
- SOIL PROFILES 103 - 109
- PLAT OF HIGHWAYS 110 - 117
- 118 133 PAVEMENT ELEVATION PLANS
- 134 141 GORE DETAILS
- 142 155 PAVEMENT MARKING PLANS
- 156 164 SIGNING PLANS
- 165 SIGNING SCHEDULE
- 166 179 SIGN PANEL DETAILS 180 - 206 SIGN STRUCTURE PLANS
- 207- 212 SIGN STRUCTURE LOCATION PLANS
- 213 ELECTRICAL PLANS
- 214 221 ROADWAY DETAILS
- STRUCTURE PLANS APPROACH SLAB PROPOSED I-70 OVER 222 - 226
- NS. TRRA, MCT & INDUSTRIAL DR. (082-0318 EB, 082-0319 WB) 227 - 230 STRUCTURE PLANS - PROPOSED I-70 RETAINING WALL (082-W234)
- 231 232 ANCHORAGE SLAB AND BARRIER WALL DETAILS
- 233 294 CROSS SECTIONS

INDICATES PAYMENT INCLUDED IN COST OF ANOTHER ITEM.

GENERAL NOTES

- 1. ILLINOIS STATE LAW REQUIRES A 48 HOUR NOTICE BE GIVEN TO ALL 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:
 - AmerenCIPS ELECRIC
 - AmerenIP GAS
- AT&T ILLINOIS COMMUNICATIONS
- · ILLINOIS AMERICAN WATER COMPANY WATER
- OWEST SOLUTIONS CENTER COMMUNICATIONS SHO-ME TECHNOLOGIES - COMMUNICATIONS

FAIRMONT CITY - SEWER METRO EAST SANITARY DISTRICT (M.E.S.D.) - CAHOKIA CANAL

MEMBERS OF J.U.L.I.E. (800-892-0123, OR 811) ARE INDICATED BY AN .. NON-J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.

- 2. THE ATTENTION OF THE CONTRACTOR IS DIRECTED TO THE SPECIAL PROVISIONS FOR POTENTIAL UTILITY CONFLICTS.
- 3. THE ATTENTION OF THE CONTRACTOR IS DIRECTED TO THE FACT THAT THERE WILL BE A LIGHTING SYSTEM AND AN I.T.S. SYSTEM INSTALLED WITHIN THE R.O.W. AS PART OF CONTRACT 76E06 (BY OTHERS). THE CONTRACTOR SHALL LOCATE ALL CABLES, STRUCTURES AND APPURTENANCES ASSOCIATED WITH THESE SYSTEMS PRIOR TO THE CONSTRUCTION OF THE ROADWAY ITEMS.

GENERAL NOTES (CONTINUED)

- 4. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- 5. BARRICADES: THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SANDBAGS ON EACH TYPE I OR TYPE II BARRICADE USED - ONE (1) WEIGHTED SAND BAG ACROSS EACH BOTTOM RAIL.
- 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL OVERHEAD. SURFACE, AND UNDERGROUND UTILITIES WITHIN THE PROJECT LIMITS WHETHER OR NOT THE UTILITIES ARE SHOWN ON THE PLANS. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED OR RELOCATED BY THE CONTRACTOR AT HIS/ HER OWN EXPENSE.
- 7. THE CONTRACTOR SHALL USE CARE IN GRADING OR EXCAVATING NEAR ANY AND ALL EXISTING ITEMS WHICH WILL NOT BE REMOVED. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED/REPLACED BY THE CONTRACTOR AT THE CONTRACTORS' OWN EXPENSE.
- 8. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE EAST ST. LOUIS AND THE FAIRMONT CITY FIRE AND POLICE DEPARTMENTS, AND MESD 14 WORKING DAYS PRIOR TO START OF CONSTRUCTION IN ORDER TO REVIEW AND COORDINATE THE CONSTRUCTION SCHEDULE.
 - EAST ST. LOUIS FIRE DEPT. CHIEF THOMAS GRIMMETT (618) 482-6875. EAST ST. LOUIS POLICE DEPT. CHIEF LENZIE STEWART (618) 482-6740 OR 482-6700. FAIRMONT CITY: FIRE AND POLICE DEPARTMENT: SCOTT PENNY (618) 274-4504 EXT. 2. METRO EAST SANITARY DISTRICT (MESD): BOB SHIPLEY - (618) 452-9400
- 9. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE STATE ARCHAELOGICAL COORDINATOR JOSEPH M. GALLOY, Ph.D., RPA (618) 251-3922 - 14 WORKING DAYS PRIOR TO START OF ANY PAVEMENT OR FOUNDATION REMOVAL
- 10. THE EXISTING TOPOGRAPHY SHOWN ON A 2 PLANS REFLECTS THE FINAL CONDITION AFTER THE COMPLETION OF CONTRACTS 76C39, 76C40, 76C68, 76C69, 76C44, 76D05, 76E06 AND GRADING FROM CONTRACT 76C41, AND DOES NOT NECESSARILY REFLECT CURRENT FIELD CONDITIONS.
- 11. ANY SEWER OR STRUCTURE REMOVAL WHICH REQUIRES ABANDONMENT OF A PORTION OF EXISTING SEWER, OR RESULTS IN A HOLE IN AN EXISTING STRUCTURE, WILL REQUIRE THE REMAINING SEWER OR STRUCTURE TO BE SECURELY SEALED WITH CLASS SI CONCRETE OR BRICK AND MORTAR PER ARTICLE 605.04 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE SEWER OR STRUCTURE REMOVAL ITEM.
- 12. ABBREVIATIONS: T.E. = TEMPORARY EASEMENT, P.E. = PERMANENT EASEMENT.
- 13. ALL DOWEL BARS AND TIE BARS UTILIZED IN PCC PAVEMENT SHALL BE EPOXY COATED.
- 14. THE CONTRACTOR SHALL USE CAUTION WHEN EXCAVATING NEAR ANY RAILROAD LINE. THE DETAIL SHOWN ON SHEET 215 SHALL BE THE MINIMUM REQUIREMENTS FOR EXCAVATION IN THE VICINITY OF ANY RAILROAD.
- 15. IF THE CONTRACTOR ENCOUNTERS PREVIOUSLY UNIDENTIFIED UTILITIES DURING EXCAVATION, THE CONTRACTOR SHALL FIRST DETERMINE IF THE UTILITY IS ABANDONED. IF THE UTILITY IS ABANDONED. THE CONTRACTOR SHALL REMOVE THE PORTIONS OF THE UTILITY THAT CONFLICT WITH CONSTRUCTION OPERATIONS AND DISPOSE OF THE REMOVED UTILITY OUTSIDE OF THE STATE RIGHT OF WAY. THIS WORK SHALL BE PAID FOR PER ARTICLE 109.04.
- 16. ALL MANHOLE LIDS OR INLET GRATES THAT ARE REMOVED DURING THIS CONTRACT SHALL REMAIN PROPERTY OF THE ILLINOIS DEPT. OF TRANSPORTATION AND SHALL BE REMOVED WITHOUT DAMAGE AND TRANSPORTED TO THE FOLLOWING ADDRESS: BOWMAN AVE. PUMP STATION, 728 EXCHANGE AVE., EAST ST. LOUIS, ILLINOIS - IF THERE ARE ANY QUESTIONS PLEASE CONTACT PETE SAWYER AT 618-346-3275.
- 17. THE DEPARTMENT STRONGLY ENCOURAGES THE PRIME CONTRACTOR AND THEIR APPROVED SUB-CONTRACTORS TO HIRE MINORITY, WOMEN AND DISADVANTAGED INDIVIDUALS FROM ITS FEDERALLY FUNDED HIGHWAY CONSTRUCTION CAREERS TRAINING PROGRAM (HCCTP) TO HELP MEET WORKFORCE AND TRAINEE GOALS. THIS PROGRAM IS TRAINING MINORITIES, WOMEN AND DISADVANTAGED INDIVIDUALS IN HIGHWAY CONSTRUCTION-RELATED SKILLS, E.G., MATH FOR THE TRADES, JOB READINESS, TECHNICAL SKILLS COURSEWORK (CARPENTRY, CONCRETER FLATWORK, BLUEPRINT READING, SITE PLANS, SITE WORK, TOOLS USE, ETC.) AND OSHA 10 HOUR CERTIFICATION, TO PREPARE THEM FOR A CAREER IN THE HIGHWAY CONSTRUCTION TRADES. GRADUATES ARE WELL-TRAINED AND READY TO BECOME PRODUCTIVE ENTRY-LEVEL CONSTRUCTION WORKERS. CONTACT THE DISTRICT 8 EEO OFFICE AT 618-346-3360 AND/OR THE HCCTP COORDINATOR AT 618/874-6528 TO LEARN MORE ABOUT THE PROGRAM AND FOR ASSISTANCE IN MEETING WORKFORCE AND TRAINER GOALS.
- 18. THE RIGHT OF WAY MARKER SHALL BE INSTALLED SO THAT THE BACK OF THE POST IS TWELVE INCHES (12") INSIDE THE RIGHT OF WAY BOUNDARY. THE RIGHT OF WAY MARKER SHALL BE A WITNESS TO THE RIGHT OF WAY CORNER WHICH IS THE PROPERTY PIN.
- 19. THE RIGHT OF WAY CORNER OR PROPERTY PIN IS A 5/8" IRON ROD WITH IDOT ALUMINUM CAP THAT SHALL NOT BE REMOVED. DAMAGED OR DISTURBED WHEN SETTING THE RIGHT OF WAY MARKER AT THE TWELVE INCHES (12") OFFSET.
- 20. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
- 21. THE COST OF CONNECTING PROPOSED STORM SEWER OR PIPE UNDERDRAINS TO EXISTING DRAINAGE STRUCTURES SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE STORM SEWER OR PIPE UNDERDRAIN PAY ITEM.

LITCHWAY CTANDADDO

Ę	HIGHWAY		<u>STANDARDS</u>
~ 00	10000	-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
~ 00	01001	-02	AREAS OF REINFORCEMENT BARS
- 00	01006		DECIMAL OF AN INCH AND OF A FOOT
28	30001	-06	TEMPORARY EROSION CONTROL SYSTEMS
42	20001	-07	PAVEMENT JOINTS
	20111	-03	PCC PAVEMENT ROUNDOUTS
42	20206	-08	ENTRANCE RAMP TERMINAL (JOINTED PCC RAMP PAVEMENT ADJACENT TO CRC MAINLINE PAVEMENT)
42	20306	-06	EXIT RAMP TERMINAL (JOINTED PCC RAMP PAVEMENT ADJACENT TO CRC MAINLINE PAVEMENT)
42	20401	-08	BRIDGE APPROACH PAVEMENT CONNECTOR
	21001	-02	BAR REINFORCEMENT FOR CRC PAVEMENT
		-06	36' CRC PAVEMENT (WITH LUG SYSTEM)
	33001	-04	PCC SHOULDER
	12301	-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
	2311	-03	GRATING FOR FLARED END SECTIONS 24"-54" PIPES
	12401	-01	METAL END SECTION FOR PIPE CULVERTS
	01001	-04	SUB-SURFACE DRAINS
	11101	-01	CONCRETE HEADWALL FOR PIPE DRAIN
		-02	CATCH BASIN TYPE A
	2306	-03	INLET TYPE B
		-03	MANHOLE TYPE A
	2406	-05	MANHOLE TYPE A 6' DIAMETER
	32601	-02	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
60	2701	-02	MANHOLE STEPS
		-03	FRAME AND LIDS TYPE 1
60	04071	-04	FRAME AND GRATE TYPE 20
60	04091	-02	FRAME AND GRATE TYPE 24
- 60	06001	-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
- 61	0001	-06	SHOULDER INLET WITH CURB
	30001	-10	STEEL PLATE BEAM GUARDRAIL
63	30201	-06	PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
63	30301	-05	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
63	31011	-08	TRAFFIC BARRIER TERMINAL, TYPE 2
63	31026	-05	TRAFFIC BARRIER TERMINAL, TYPE 5
. 63	31031	-10	TRAFFIC BARRIER TERMINAL, TYPE 6
63	35001	-01	DELINEATORS
- 63	5006	-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
63	35011	-02	REFLECTOR MARKER AND MOUNTING DETAILS
63	37006	-02	CONCRETE BARRIER, DOUBLE FACE, 42 IN. HEIGHT
- 64	12001	-02	SHOULDER RUMBLE STRIPS, 16 IN.
66	64001	-02	CHAIN LINK FENCE
66	35001	-02	WOVEN WIRE FENCE
70	1001	-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
. 70	01006	-03	OFF-ROAD OPERATIONS, 2L. 2W, 15' TO 24" FROM PAVEMENT EDGE
- 70	01400	-05	APPROACH TO LANE CLOSURE, FREEWAY / EXPRESSWAY
70	01401	-06	LANE CLOSURE, FREEWAY / EXPRESSWAY
. 70	01451	-01	RAMP CLOSURE, FREEWAY / EXPRESSWAY
70	1901	-02	TRAFFIC CONTROL DEVICES
. 72	20001	-01	SIGN PANEL MOUNTING DETAILS
.72	90005	-03	SIGN PANEL ERECTION DETAILS
	20011	-01	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
	20021	-02	SIGN PANELS EXTRUDED ALUMINUM TYPE
.72	8001	-01	TELESCOPING STEEL SIGN SUPPORT
72	9001	-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)
78	30001	-03	TYPICAL PAVEMENT MARKINGS
.78	3100i	-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
81	4001	-02	HANDHOLES
87	78001	-09	CONCRETE FOUNDATION DETAILS
88	86001	-01	DETECTOR LOOP INSTALLATIONS

TYPICAL KEY	MAP	EXCHANGE AVE	
AL DR.			100
MUSTRIAL	RAMP D RAMP C	REL III	6
2	3 RAMP A 4	RAMP B	
1 VI IL RTE 3	Child In the Control of the Control		
\(\)			

TYPICAL LAYOUT FOR DETECTION LOOPS

886006 -01

ILE NAME =	USER NAME = \$USER#	DESIGNED -	- JE	3	REVISED -
FILEL®		DRAWN	- J£	3	REVISED -
TENC A ASSUCIATES, THE	PLOT SCALE = \$SCALE\$	CHECKED	- A0	ÇL	REVISED -
TEND TEND A ASSOCIATES, INC. ENGINEERS/ARCHITECTS/PLANNERS CHICAGO, ILLINOIS	PLOT DATE + \$DATE\$	DATE	- 06	5/29/12	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION 1-70 CONNECTION

INDEX OF SHEETS & TOTAL SHEE SECTION COUNTY **GENERAL NOTES** 82-1R ST. CLAIR 294 2 CONTRACT NO. 76C43 SHEET NO. OF SHEETS STA. TO STA. FED. ROAD DIST, NO. ILLINOIS FED. AID PROJECT