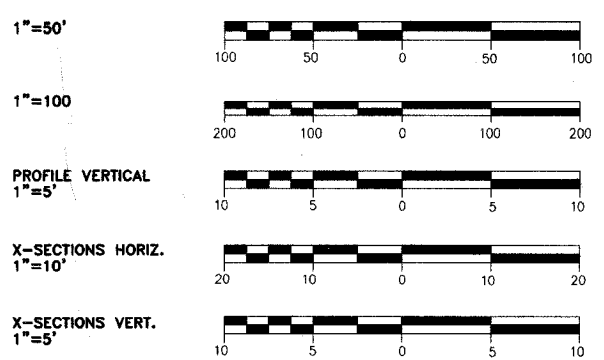


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLANS FOR PROPOSED FEDERAL-AID SECONDARY SYSTEM

FAS ROUTE 2904 SECTION 97-00089-00-RS WILLIAMSON COUNTY LAKE OF EGYPT ROAD PROJECT NO. SR 2904(203) JOB NO. C-99-082-99

SCALES IN FEET



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.

STRUCTURAL DESIGN INFORMATION

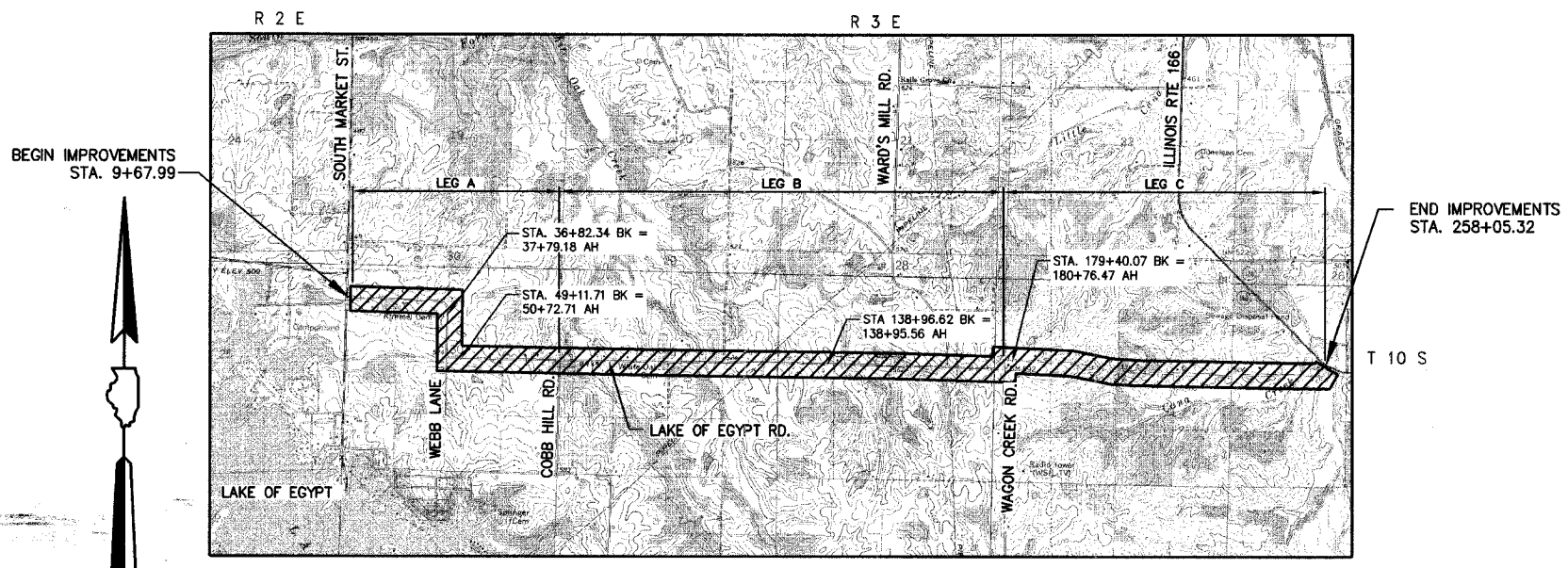
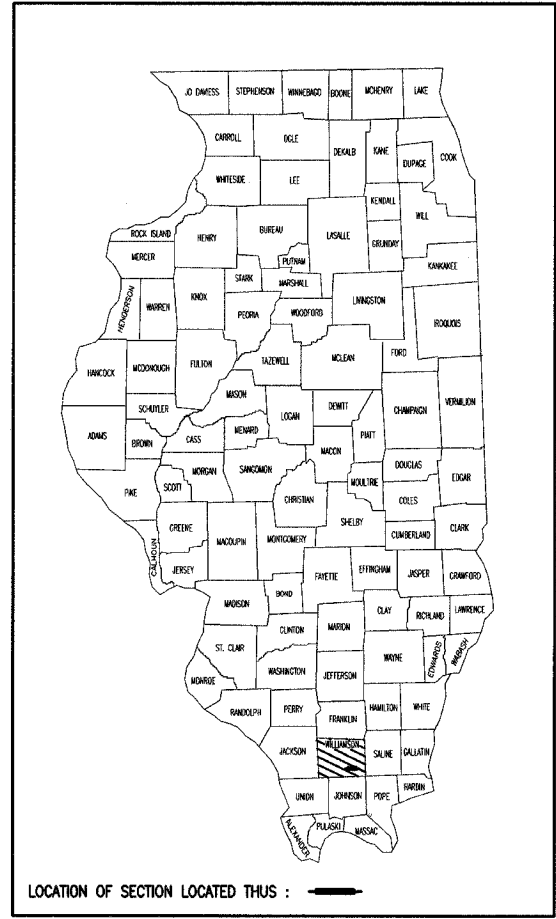
FAS ROUTE 2904 LAKE OF EGYPT ROAD
STRUCTURAL DESIGN TRAFFIC YEAR: 2024
ROAD/STREET CLASSIFICATION: III
MINIMUM IFR: 5.2
LOAD LIMIT: 80,000 LB.
DESIGN PERIOD: 20 YEARS

LEG A
PV = 2,375 SU = 50 MU = 25
TRAFFIC FACTOR: 0.15

LEG B
PV = 1,115 SU = 50 MU = 25
TRAFFIC FACTOR: 0.15

LEG C
PV = 1,055 SU = 50 MU = 25
TRAFFIC FACTOR: 0.15

| | | |
|--|--|--|
| LEG A | LEG B | LEG C |
| DESIGN CLASSIFICATION : <u>COLLECTOR</u> | DESIGN CLASSIFICATION : <u>COLLECTOR</u> | DESIGN CLASSIFICATION : <u>COLLECTOR</u> |
| DHV : <u>245</u> | DHV : <u>120</u> | DHV : <u>115</u> |
| ADT ₂₀₀₄ : <u>2010</u> | ADT ₂₀₀₄ : <u>980</u> | ADT ₂₀₀₄ : <u>930</u> |
| ADT ₂₀₂₄ : <u>2450</u> | ADT ₂₀₂₄ : <u>1190</u> | ADT ₂₀₂₄ : <u>1130</u> |
| DESIGN SPEED : <u>50</u> | DESIGN SPEED : <u>50</u> | DESIGN SPEED : <u>50</u> |



NET LENGTH OF PROJECT = 24,444.12 L.F. = 4.63 MI.



CONTRACTOR SHALL CONTACT J.U.L.I.E. OPERATOR AT 1-800-892-0123 FOR MARKING OF EXISTING UNDERGROUND UTILITIES. J.U.L.I.E. SHOULD BE CONTACTED A MINIMUM OF 96 HOURS IN ADVANCE OF CONSTRUCTION. CONTRACTOR SHALL MEET ALL REQUIREMENTS FOR CROSSING OF ANY EXISTING UTILITIES.

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|---|---|
| STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION | |
| APPROVED | <i>March 16</i> , 20 <i>07</i> <i>James Webb</i> WILLIAMSON COUNTY, COUNTY ENGINEER |
| PASSED | <i>MARCH 22</i> , 20 <i>07</i> <i>Dennis W. Hill</i> DISTRICT 9 ENGINEER OF LOCAL ROADS & STREETS |
| RELEASING FOR BID BASED ON LIMITED REVIEW | <i>March 23</i> , 20 <i>07</i> <i>Max C. James</i> DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER |

Harold G. Clarida
HAROLD G. CLARIDA, P.E.
REGISTERED PROFESSIONAL ENGINEER
OF ILLINOIS NO. 24022
EXPIRES : NOVEMBER 30, 2007

CONTRACT NO. 99199