

| F.A.U. RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---------------------|-----------------------------|--------|--------------|-----------|
| 181 | 12-F3000-01-BT | LAKE | 118 | 1 |
| FED. ROAD DIST. NO. | ILLINOIS CONTRACT NO. 63807 | | | |

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PLANS FOR PROPOSED
FEDERAL AID PROJECT**

**FAU ROUTE 181 (ROLLINS ROAD, COUNTY HIGHWAY A20)
MILLENNIUM TRAIL UNDERPASS**
SECTION 12-F3000-01-BT
PROJECT NO. TE-00D1(910)
LAKE COUNTY FOREST PRESERVES DISTRICT
LAKE COUNTY
C-91-236-13



INDEX OF SHEETS

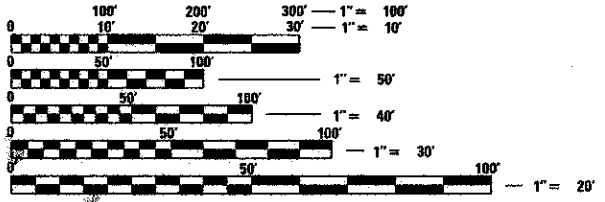
- 1 COVER SHEET
- 2 - 3 GENERAL NOTES
- 4 - 9 SUMMARY OF QUANTITIES
- 10- 12 TYPICAL SECTIONS
- 13- 15 SCHEDULE OF QUANTITIES
- 16 ALIGNMENT, TIES AND BENCHMARKS
- 17 - 24 ROADWAY PLAN AND PROFILE
- 25 - 29 STAGES OF CONSTRUCTION
- 30 - 31 GRADING PLAN
- 32 - 34 SITE PLAN
- 35 - 37 EROSION CONTROL AND LANDSCAPING
- 38 - 40 DRAINAGE PLAN
- 41 SIGNING AND PAVEMENT MARKING
- 42 - 45 INTERCONNECT PLANS AND DETAILS
- 46 - 49 LIGHTING PLANS AND DETAILS
- 50 - 65 STRUCTURAL DRAWINGS
- 66 CULVERT CROSSING AND FES DETAIL
- 67 TEMPORARY EROSION CONTROL SYSTEMS DETAIL
- 68 BD-32 BUTT JOINT AND HMA TAPER DETAILS (BD32)
- 69 TC-22 ARTERIAL ROAD INFORMATION SIGN (TC22)
- 70 TC-26 DRIVEWAY ENTRANCE SIGNING (TC26)
- 71 - 75 LAKE COUNTY DIVISION OF TRANSPORTATION STANDARD DETAILS
- 76 - 118 CROSS SECTIONS

HIGHWAY STANDARDS

- 000001 - 06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001001 - 02 AREAS OF REINFORCEMENT BARS
- 542301 - 03 PRECAST REINFORCED CONCRETE FLARED END SECTION
- 601001 - 04 SUB-SURFACE DRAINS
- 602301 - 03 INLET - TYPE A
- 602401 - 03 MANHOLE TYPE A
- 602601 - 02 PRECAST REINFORCED CONCRETE FLAT TOP SLAB
- 602701 - 02 MANHOLE STEPS
- 604091 - 02 FRAME AND GRATE TYPE 24
- 635011 - 02 REFLECTOR MARKER AND MOUNTING DETAILS
- 701101 - 03 OFF-RD OPERATIONS MULTILANE, 15' (4.5 M) TO 24' (600mm) FROM PAVEMENT EDGE
- 701421 - 05 LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS > 45 MPH TO 55 MPH
- 701426 - 05 LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS > 45 MPH
- 701431 - 08 LANE CLOSURE, MULTILANE, UNDIV. WITH CROSSOVER, FOR SPEEDS ≥ 45 MPH TO 55 MPH
- 701606 - 08 URBAN LANE CLOSURE, MULTILANE, 2L, 2W WITH MOUNTABLE MEDIAN
- 701901 - 02 TRAFFIC CONTROL DEVICES
- 704001 - 07 TEMPORARY CONCRETE BARRIER

LCDOT HIGHWAY STANDARDS

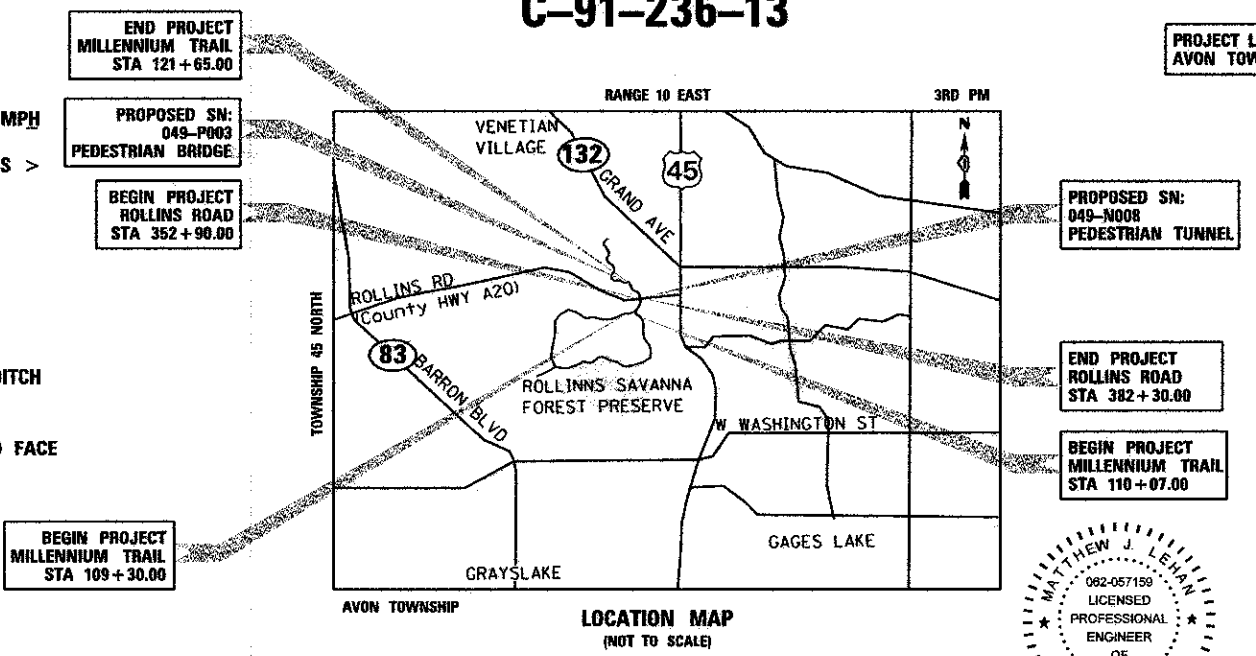
- LC 2050 TEMPORARY DITCH CHECK INSTALLATION FOR ROADWAY OR DRAINAGE DITCH
- LC 2051 PERIMETER EROSION BARRIER INSTALLATION
- LC 4202 CONCRETE WASHOUT FACILITIES
- LC 4801 TRANSITION FROM AGGREGATE SHOULDER TO B-6.24 FOR 18' OFFSET TO FACE
- LC 6020 SUB-SURFACE DRAINS
- LC 6650 WITNESS POST
- LC 7800 TYPICAL PAVEMENT MARKING FOR COUNTY HIGHWAYS



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

WITH THE FOLLOWING
COUNTY: LAKE
CITY-TOWNSHIP: GRAYSLAKE - AVON
SECTION AND 1/4 SECTION NO.: 14 SE 1/4
48 HOURS BEFORE YOU DIG
EXCLUDING SAT., SUN. AND HOLIDAYS
CONTRACT NO. 63807



PROJECT LENGTH
C.H. A20 (ROLLINS ROAD) GROSS AND NET LENGTH = 2,940.00 FEET (0.56 MILES)
MILLENNIUM TRAIL GROSS AND NET LENGTH = 1,817.09 FEET (0.34 MILES)
TOTAL GROSS AND NET LENGTH = 4,757.09 FEET (0.90 MILES)

ROLLINS ROAD DESIGN INFORMATION
DESIGN DESIGNATION - MINOR ARTERIAL
DESIGN SPEED - 50 MPH POSTED SPEED - 45 MPH

ADT
ROLLINS ROAD 2011 ADT = 23,100 ADT

MATTHEW J. LEANAN
082-057159
LICENSED PROFESSIONAL ENGINEER
OF ILLINOIS
DATE: 4/5/2013
SEAL EXPIRES: 11/30/2013

STATE OF ILLINOIS
LIMITED LIABILITY ENGINEER
BRETT W. SAUTER
081-008844
STRUCTURAL ENGINEER
DATE: 4/5/2013
SEAL EXPIRES: 11/30/2014

Ciorba Group, Inc.
DESIGN FIRM
REGISTRATION NUMBER
184-001016
CONSULTING ENGINEERS
SUITE 402, 5507 NORTH CUMBERLAND AVE
CHICAGO, ILLINOIS 60656 ☎ (773) 775-4009

**STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS**

Approved: *[Signature]*
4/10/13
Lake County Forest Preserve District

Passed: April 10, 2013
[Signature]
District 1 Engineer of Local Roads & Streets

Releasing for Bid Based on Limited Review: April 10, 2013
[Signature]
District 1 Engineer of Highways, Region 1 Engineer

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

PROGRAM AND OFFICE ENGINEER: CHARLES F. RIDDLE, P.E. (847) 705-4406 SCHAUMBURG, IL