

|                     |          |                           |              |           |
|---------------------|----------|---------------------------|--------------|-----------|
| F.A.P. RTE.         | SECTION  | COUNTY                    | TOTAL SHEETS | SHEET NO. |
| 337                 | 20 WRS-6 | LAKE                      | 318          | 2         |
| STA.                |          | TO STA.                   |              |           |
| FED. ROAD DIST. NO. |          | ILLINOIS FED. AID PROJECT |              |           |

INDEX OF SHEETS

|           |  |
|-----------|--|
| 1         | TITLE SHEET  |
| 2         | INDEX OF SHEETS, LIST OF STATE STANDARDS AND GENERAL NOTES   |
| 3 - 13    | SUMMARY OF QUANTITIES  |
| 14 - 15   | EXISTING TYPICAL SECTIONS  |
| 16 - 18   | PROPOSED TYPICAL SECTIONS  |
| 19 - 25   | SCHEDULES OF QUANTITIES  |
| 26        | ALIGNMENT AND CURVE DATA   |
| 27 - 48   | SUGGESTED STAGES OF CONSTRUCTION/MAINTENANCE OF TRAFFIC  |
| 49 - 58   | PLAN AND PROFILE - ILLINOIS ROUTE 22   |
| 59 - 61   | PLAN AND PROFILE - QUENTIN ROAD  |
| 62 - 72   | GEOTECHNICAL PLAN AND PROFILE - ILLINOIS ROUTE 22  |
| 73 - 75   | GEOTECHNICAL PLAN AND PROFILE - QUENTIN ROAD   |
| 76 - 85   | DRAINAGE AND UTILITY PLANS - ILLINOIS ROUTE 22   |
| 86 - 88   | DRAINAGE AND UTILITY PLANS - QUENTIN ROAD  |
| 89        | DETENTION BASIN PLAN - ILLINOIS ROUTE 22   |
| 90 - 92   | DRAINAGE AND UTILITY PIPE AND STRUCTURE TABLES   |
| 93 - 96   | WATER MAIN PLANS AND DETAILS   |
| 97 - 105  | SANITARY SEWER PLANS AND DETAILS   |
| 106 - 116 | SUE UTILITY PLANS  |
| 117- 143  | RIGHT OF WAY PLATS OF SURVEY   |
| 144 - 146 | INTERSECTION JOINTING DETAILS  |
| 147 - 151 | PAVEMENT MARKING AND SIGNAGE PLANS   |
| 152 - 172 | STORMWATER POLLUTION PREVENTION PLAN   |
| 173 - 177 | LANDSCAPE PLANS  |
| 178       | TRAFFIC COUNTER REPLACEMENT PLAN   |
| 179       | TEMPORARY TRAFFIC SIGNAL INSTALLATION FOR CONSTRUCTION STAGE I AND II ILLINOIS ROUTE 22 AT OAKWOOD/OLD MILL ROAD                               |
| 180       | TEMPORARY TRAFFIC SIGNAL INSTALLATION FOR CONSTRUCTION STAGE III ILLINOIS ROUTE 22 AT OAKWOOD/OLD MILL ROAD                                    |
| 181       | TRAFFIC SIGNAL MODERNIZATION - ILLINOIS ROUTE 22 AT OAKWOOD/OLD MILL GROVE ROAD  |
| 182       | CABLE PLAN - ILLINOIS ROUTE 22 AT OAKWOOD/OLD GROVE MILL ROAD  |
| 183       | PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES - ILLINOIS ROUTE 22 AT OAKWOOD/OLD MILL GROVE ROAD |
| 184       | TEMPORARY TRAFFIC SIGNAL INSTALLATION FOR CONSTRUCTION STAGE I AND II ILLINOIS ROUTE 22 AT QUENTIN ROAD  |
| 185       | TEMPORARY TRAFFIC SIGNAL INSTALLATION FOR CONSTRUCTION STAGE III ILLINOIS ROUTE 22 AT QUENTIN ROAD   |
| 186 - 187 | TRAFFIC SIGNAL MODERNIZATION - ILLINOIS ROUTE 22 AT QUENTIN ROAD   |
| 188       | CABLE PLAN - ILLINOIS ROUTE 22 AT QUENTIN ROAD   |
| 189       | PHASE DESIGNATION DIAGRAM, EMERGENCY VEHICLE PREEMPTION SEQUENCE AND SCHEDULE OF QUANTITIES - ILLINOIS ROUTE 22 AT QUENTIN ROAD                |
| 190 - 192 | INTERCONNECT PLAN - ILLINOIS ROUTE 22-BUESCHING ROAD TO QUENTIN ROAD   |
| 193 - 194 | INTERCONNECT SCHEMATIC - SHOPPING CENTER TO QUENTIN ROAD   |
| 195       | MAST ARM MOUNTED STREET NAME SIGNS   |
| 196       | BOX CULVERT STATION 11+640.961, ILLINOIS ROUTE 22  |
| 197       | BAR SPLICER ASSEMBLY DETAILS, ILLINOIS ROUTE 22  |
| 198       | BOX CULVERT STATION 0+691.833, QUENTIN ROAD  |
| 199       | BOX CULVERT STAGING  |
| 200 - 201 | CONSTRUCTION DETAILS   |
| 202 - 219 | DISTRICT DETAILS   |
| 220 - 294 | CROSS SECTIONS - ILLINOIS ROUTE 22   |
| 295 - 315 | CROSS SECTIONS - QUENTIN ROAD  |
| 316 - 317 | CROSS SECTIONS - OLD MILL GROVE ROAD   |
| 318       | CROSS SECTIONS - OAKWOOD ROAD  |

COMMITMENTS: NONE

LIST OF STATE STANDARDS

|           |  |
|-----------|--|
| 000001-04 | STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS                                      |
| 001001    | AREA OF REINFORCEMENT BARS   |
| 280001-02 | TEMPORARY EROSION CONTROL SYSTEMS  |
| 420001-05 | PAVEMENT JOINTS  |
| 420101-02 | 7.2m (24') JOINTED PCC PAVEMENT  |
| 420111-01 | PCC PAVEMENT ROUNDOUTS   |
| 420106-02 | 10.8m (36') JOINTED PCC PAVEMENT   |
| 424001-03 | CURB RAMPS FOR SIDEWALKS   |
| 442201-01 | CLASS C AND D PATCHES  |
| 482001    | BITUMINOUS SHOULDER ADJACENT TO FLEXIBLE PAVEMENT                                  |
| 542301    | PRECAST REINFORCED CONCRETE FLARED END SECTION                                     |
| 542311    | GRATING FOR CONCRETE FLARED END SECTION (FOR 600 mm (24") THRU 1300 mm (54") PIPE) |
| 542606    | REINFORCED CONCRETE PIPE TEE   |
| 602001    | CATCH BASIN TYPE A   |
| 602401    | MANHOLE TYPE A   |
| 602601    | PRECAST REINFORCED CONCRETE FLAT SLAB TOP  |
| 602701    | CAST IRON STEPS  |
| 604001-02 | FRAME AND LIDS TYPE 1  |
| 604036-01 | GRATE TYPE 8   |
| 604091-01 | FRAME AND GRATE TYPE 24  |
| 606001-02 | CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER                      |
| 606006    | OUTLET FOR CONCRETE CURB AND GUTTER TYPE B-15.60 (B-6.24)                          |
| 606301-02 | PC CONCRETE ISLANDS AND MEDIANS  |
| 606306-01 | CORRUGATED PC CONCRETE MEDIAN  |
| 630001-05 | STEEL PLATE BEAM GUARDRAIL   |
| 630201-03 | PCC/BITUMINOUS STABILIZATION AT STEEL PLATE BEAM GUARDRAIL                         |
| 630301-03 | SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINAL                          |
| 631011-02 | TRAFFIC BARRIER TERMINAL, TYPE 2   |
| 635001    | DELINEATORS  |
| 635006-02 | REFLECTOR AND TERMINAL MARKER PLACEMENT  |
| 635011-01 | REFLECTOR MARKER AND MOUNTING DETAILS  |
| 664001-01 | CHAIN LINK FENCE   |
| 701011-01 | OFF-ROAD MOVING OPERATIONS 2L, 2W DAY ONLY FOR SPEEDS ≥ 45 MPH                     |
| 701201-02 | LANE CLOSURE 2L, 2W DAY ONLY ON-ROAD TO 600mm (24") OFF-ROAD FOR SPEEDS ≥ 45 MPH   |
| 701301-02 | LANE CLOSURE 2L, 2W SHORT TIME OPERATIONS  |
| 701311-02 | LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY                                   |
| 701326-02 | LANE CLOSURE 2L, 2W PAVEMENT WIDENING FOR SPEEDS ≥ 45 MPH                          |
| 701422-01 | LANE CLOSURE MULTILANE FOR SPEEDS ≥ 45 MPH TO 55 MPH                               |
| 701421-01 | LANE CLOSURE MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS ≥ 45 MPH TO 55 MPH         |
| 701426-02 | LANE CLOSURE MULTILANE INTERMITTENT OR MOVING OPERATION FOR SPEEDS ≥ 45 MPH        |
| 701501-03 | URBAN LANE CLOSURE 2L, 2W UNDIVIDED  |
| 701601-04 | URBAN LANE CLOSURE MULTILANE 1W OR 2W WITH NON TRAVERSABLE MEDIAN                  |
| 701606-04 | URBAN LANE CLOSURE MULTILANE 2W WITH MOUNTABLE MEDIAN                              |
| 701701-04 | URBAN LANE CLOSURE MULTILANE INTERSECTION  |
| 701801-03 | LANE CLOSURE MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE                      |
| 702001-05 | TRAFFIC CONTROL DEVICES  |
| 704001-02 | TEMPORARY CONCRETE BARRIER   |
| 720001    | SIGN PANEL MOUNTING DETAILS  |
| 720006    | SIGN PANEL ERECTION DETAILS  |
| 720011    | METAL POSTS FOR SIGNS, MARKERS & DELINEATORS                                       |
| 729001    | APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS AND MARKERS)                    |
| 780001-01 | TYPICAL PAVEMENT MARKINGS  |
| 805001    | ELECTRICAL SERVICE INSTALLATION DETAILS  |
| 813001-01 | JUNCTION BOXES   |
| 814001    | CONCRETE HANDHOLES   |
| 814006    | DOUBLE HANDHOLES   |
| 857001    | STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES                            |
| 877001-02 | STEEL MAST ARM ASSEMBLY AND POLE   |
| 878001-03 | CONCRETE FOUNDATION DETAILS  |
| 880001    | SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION                         |
| 880006    | TRAFFIC SIGNAL MOUNTING DETAILS  |
| 886001    | DETECTOR LOOP INSTALLATIONS  |
| 886006    | TYPICAL LAYOUT FOR DETECTION LOOPS   |

GENERAL NOTES

- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.L.I.E." AT (800) 892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS UTILITIES. (48 HOUR NOTIFICATION IS REQUIRED.)
- THE CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH ALL UTILITY COMPANIES AND THE VILLAGE OF LAKE ZURICH.
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE ILLINOIS DEPARTMENT OF TRANSPORTATION.
- 
- WHEN ARTIFICIAL LIGHTING IS UTILIZED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTION IN PREVENTING ADVERSE EFFECTS TO THE VISIBILITY OF THE MOTORING PUBLIC AS WELL AS THE ADJOINING RESIDENTIAL AREAS.
- ALL ELEVATIONS ARE ON U.S.G.S. DATUM.
- THREE (3) METER LONG TRANSITIONS SHALL BE USED TO MATCH PROPOSED CURB AND GUTTER AND MEDIAN ITEMS OF WORK TO EXISTING CURB AND GUTTER AND MEDIAN IN THE FIELD, UNLESS OTHERWISE SHOWN ON THE PLANS. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEMS OF WORK SPECIFIED.
- ALL STORM SEWER CONNECTIONS WITH PIPES 675 MM (27 INCHES) DIAMETER AND SMALLER SHALL BE MADE WITH PRECAST "TEE" OR "WYE" PIPES. FOR PROPOSED STORM SEWER PIPES LARGER THAN 675 MM (27 INCHES) DIAMETER, OPENINGS OF THE SPECIFIED DIAMETER SHALL BE MADE IN THE PIPE AT THE TIME IT IS MANUFACTURED. PRECAST "TEE" AND "WYE" PIPE CONNECTIONS FOR PROPOSED STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST FOR THE STORM SEWERS.
- USE NO. 25 (#8) EPOXY-COATED TIE BARS CONFORMING TO ART. 1006.10(B)(2) OF THE STANDARD SPECIFICATIONS FOR LONGITUDINAL CONSTRUCTION JOINT GROUDED-IN-PLACE TIE BAR AS SHOWN ON STATE STANDARD 420001 AND FOR TIEING PC CONCRETE WIDENING TO EXISTING CONCRETE PAVEMENT AS SHOWN ON THE PLANS. THE TIE BARS WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PAVEMENT ITEMS BEING CONSTRUCTED.
- WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 40 MM (1 1/2 INCHES) WHERE THE SPEED LIMIT IS 80 KM/H (45 MPH) OR LESS AND 25 MM (1 INCH) WHERE THE SPEED LIMIT IS GREATER THAN 80KM/H (45 MPH). WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 75 MM (3 INCHES) MAY BE ALLOWED IF THE EDGE OF THE MILLING IS SLOPED A MINIMUM 1:3 (V:H).
- BUTT JOINTS WILL BE INSTALLED AT THE ENDS OF ALL RESURFACING (WHERE RESURFACING MEETS EXISTING PAVEMENT), IN ACCORDANCE WITH THE "BUTT JOINT AND BITUMINOUS TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.
- ON STATE STANDARDS 482001 AND 483001 AGGREGATE SUBGRADE 300mm (12") SHALL BE USED AS THE IMPROVED SUBGRADE. THE ADDITIONAL THICKNESS OF AGGREGATE SUBGRADE UNDER THE SHOULDER SHALL BE INCLUDED IN THE COST PER SQUARE METER (SQ YARD) OF "AGGREGATE SUBGRADE 300mm (12")."
- SAW CUTTING OF PAVEMENTS, SHOULDERS, ETC. SHALL BE TO FULL DEPTH AND SHALL RESULT IN CLEAN, STRAIGHT EDGE ON THE PORTION REMAINING. ALL SAW CUTTING SHALL BE CONSIDERED INCLUDED IN THE COST OF THE ITEM REMOVED.
- THE CONTRACTOR SHALL CONTACT AREA TRAFFIC FIELD ENGINEER DEBBIE HANLON AT (847) 438-2300 TWO WEEKS PRIOR TO INSTALLING FINAL PAVEMENT MARKINGS.
- STATIONING FOR ALL DRAINAGE STRUCTURES ARE GIVEN TO THE CENTER OF THE DRAINAGE STRUCTURE. OFFSETS FOR CURB LINE INLETS AND CATCH BASINS ARE GIVEN TO THE EDGE OF PAVEMENT. OFFSETS FOR ALL OTHER DRAINAGE STRUCTURES ARE GIVEN TO THE CENTER OF THE STRUCTURE. THE CONTRACTOR SHALL TAKE CARE TO ENSURE THAT ALL CURB LINE DRAINAGE STRUCTURES ARE PROPERLY ALIGNED WITH THE PROPOSED CURB AND GUTTER.
- PLAN QUANTITIES FOR ALL BITUMINOUS CONCRETE SURFACE COURSE ITEMS WERE CALCULATED BASED ON AN ASSUMED UNIT WEIGHT OF 59.8 KG/SQ M/25MM THICKNESS.
- THE CONTRACT PLANS ARE PER STATE PLANE COORDINATES WITH GRID VALUE EXCEPT FOR THE PLAT OF HIGHWAYS WHICH ARE GROUND VALUE.

LIST OF DISTRICT ONE DETAILS

|       |  |
|-------|--|
| BD-01 | DRIVEWAY DETAILS DISTANCE BETWEEN R.O.W. AND FACE OF CURB/EDGE OF SHOULDER ≥ 4.5 m (15')   |
| BD-02 | DRIVEWAY DETAILS DISTANCE BETWEEN R.O.W. AND FACE < 4.5 m (15')                            |
| BD-07 | DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER   |
| BD-12 | MANHOLE WITH RESTRICTOR PLATE  |
| BD-32 | BUTT JOINT AND BITUMINOUS TAPER DETAILS  |
| BD-34 | STEEL PLATE BEAM GUARDRAIL ADJACENT TO CURB AND GUTTER AND STABILIZATION AT TBT TY. 1 SPL. |
| BD-36 | FIRE HYDRANT TO BE MOVED   |
| BD-48 | PCC PAVEMENT ROUNDOUTS AT CURB AND GUTTER  |
| TC-10 | TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS                |
| TC-11 | TYPICAL APPLICATIONS RAISED SELECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)               |
| TC-13 | DISTRICT ONE TYPICAL PAVEMENT MARKINGS   |
| TC-14 | TRAFFIC CONTROL AND PROTECTION AT TURN BAYS (TO REMAIN OPEN TO TRAFFIC)                    |
| TC-16 | PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING                                   |
| TC-22 | TEMPORARY INFORMATION SIGNING  |
| TS-05 | DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS  |

| REVISIONS |      |
|-----------|------|
| NAME      | DATE |
|           |      |
|           |      |
|           |      |
|           |      |
|           |      |
|           |      |
|           |      |
|           |      |
|           |      |
|           |      |

ILLINOIS DEPARTMENT OF TRANSPORTATION  
ILLINOIS ROUTE 22

GENERAL NOTES,  
INDEX OF SHEETS  
AND STATE STANDARDS

SCALE NTS  
DATE: 03/11/05

DRAWN BY: SMP  
CHECKED BY: BDH