

INDEX OF SHEETS

1 COVER SHEET
 2 STANDARDS & GENERAL NOTES
 3-4 SUMMARY OF QUANTITIES
 5-6 TYPICAL SECTIONS
 7-9 SCHEDULE OF QUANTITIES
 10 ALIGNMENT, TIES, & BENCHMARKS
 11-13 PROPOSED PLAN AND PROFILE
 14 MOT GENERAL NOTES/CONSTRUCTION SEQUENCE
 15 MOT TYPICAL SECTIONS
 16-18 SUGGESTED STAGE OF CONSTRUCTION & TRAFFIC CONTROL
 19-23 DETOUR PLAN
 24 EROSION & SEDIMENT CONTROL NOTES AND DETAILS
 25 EROSION & SEDIMENT CONTROL PLAN
 26-28 DRAINAGE AND UTILITY PLAN
 29-32 RIGHT OF WAY PLAN
 33-34 PAVEMENT MARKING AND SIGNING PLAN
 35 TEMP CABLE PLAN, TEMP PHASE DESIGNATION DIAGRAM, SCHEDULE OF QUANTITIES
 36-38 TEMPORARY TRAFFIC SIGNAL AND LIGHTING PLAN
 39-60 STRUCTURE PLANS
 61-79 DISTRICT DETAILS
 80-86 CROSS SECTIONS - IL ROUTE 47 OVER VIRGIL DITCH #2
 87 CROSS SECTIONS - SILVER GLEN ROAD
 HIGHWAY STANDARDS

HIGHWAY STANDARDS

000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
 001001-02 AREAS OF REINFORCEMENT BARS
 001006 DECIMAL OF AN INCH AND OF A FOOT
 280001-07 TEMPORARY EROSION CONTROL SYSTEMS
 420401-09 BRIDGE APPROACH PAVEMENT CONNECTOR
 482001-02 HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
 483001-04 PCC SHOULDER
 515001-03 NAME PLATE FOR BRIDGES
 542301-03 PRECAST REINFORCED CONCRETE FLARED END SECTION
 601001-04 SUB-SURFACE DRAINS
 601101-01 CONCRETE HEADWALL FOR PIPE DRAIN
 630001-10 STEEL PLATE BEAM GUARDRAIL
 630201-06 PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
 630301-06 SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
 631031-11 TRAFFIC BARRIER TERMINAL, TYPE 6
 635006-03 REFLECTOR AND TERMINAL MARKER PLACEMENT
 635011-02 REFLECTOR MARKER AND MOUNTING DETAILS
 643001-01 SAND MODULE IMPACT ATTENUATORS
 666001-01 RIGHT-OF-WAY MARKERS
 701001-02 OFF- RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5 m) AWAY
 701006-04 OFF- RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600 mm) FROM PAVEMENT EDGE
 701011-03 OFF- RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
 701201-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
 701301-04 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥45 MPH
 701306-03 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥45 MPH
 701311-03 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS DAY ONLY
 701321-13 LANE CLOSURE, 2L, 2W, BRIDGE REPAIR WITH BARRIER
 701326-04 LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING FOR SPEEDS ≥45 MPH
 701901-02 TRAFFIC CONTROL DEVICES
 704001-07 TEMPORARY CONCRETE BARRIER
 720001-01 SIGN PANEL MOUNTING DETAILS
 720006-03 SIGN PANEL ERECTION DETAILS
 720011-01 METAL POSTS FOR SIGNS, MARKERS, & DELINEATORS
 729001-01 APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS AND MARKERS)
 780001-03 TYPICAL PAVEMENT MARKINGS
 781001-03 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
 BLR 22-7 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

DISTRICT ONE STANDARDS

BD01 DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND CURB OR EDGE GREATER THAN OR EQUAL TO 15' (4.5 m)
 BD32 BUTT JOINTS AND HMA TAPER
 BE800 TEMPORARY LIGHTING
 BE805 TEMPORARY LIGHTING AND TRAFFIC SIGNALS FOR SINGLE LANE STAGING
 TC10 TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
 TC11 RAISED REFLECTIVE PAVEMENT MARKERS (SNOW PLOW RESISTANT)
 TC13 DISTRICT ONE TYPICAL PAVEMENT MARKINGS
 TC16 PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
 TC21 DETOUR SIGNING FOR CLOSING STATE HIGHWAYS
 TC22 ARTERIAL ROAD INFORMATION SIGN
 TC26 DRIVEWAY ENTRANCE SIGNING
 TS05 STANDARD TRAFFIC SIGNAL DESIGN DETAILS

GENERAL NOTES

THE THICKNESS OF HMA SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA IS PLACED.

THE HMA SURFACE OF ALL PRIVATE ENTRANCES, COMMERCIAL ENTRANCES, AND SIDE ROADS SHALL BE MADE NEATLY, IN A WORKMANLIKE MANNER, AND SHALL ACCURATELY CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. IF REQUIRED BY THE ENGINEER, THE CONTRACTOR SHALL BE REQUIRED TO SAW CUT THE HMA SURFACE TO CONFORM TO THE SHAPES AND DIMENSIONS SHOWN ON THE PLAN DETAILS. THIS WORK SHALL BE INCLUDED IN THE COST OF THE HMA SURFACE.

BEFORE ORDERING PIPE CULVERTS OR PIPE DRAINS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR EXACT LENGTHS.

SEEDING SHALL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDED WILL BE DETERMINED BY THE ENGINEER.

ONLY THOSE TREES DESIGNATED BY THE ENGINEER OR LISTED IN THE TREE REMOVAL SCHEDULE SHALL BE REMOVED. THE CONTRACTOR SHALL PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO HIS OPERATIONS.

THE FINISHED EARTHWORK SHALL HAVE A VEGETATION-SUSTAINING SOIL COVERING THE TOP SIX INCHES IN AREAS TO BE SEEDED OR SODDED. THE VEGETATION-SUSTAINING SOIL REQUIRED WILL BE PAID FOR SEPARATELY AS TOPSOIL FURNISH AND PLACE, 6".

ALL ELEVATIONS IN THE PLANS ARE BASED UPON THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88).

ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THE PLANS.

REMOVAL OF EXISTING AGGREGATE OR EARTH ENTRANCES WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST FOR EARTH EXCAVATION.

A US ARMY CORPS OF ENGINEERS (USACE) 404 PERMIT HAS BEEN SECURED BY THE DEPARTMENT. AS A CONDITION OF THIS PERMIT, THE CONTRACTOR WILL NEED TO SUBMIT AN IN-STREAM WORK PLAN TO THE DEPARTMENT FOR APPROVAL. GUIDELINES ON ACCEPTABLE IN-STREAM WORK TECHNIQUES CAN BE FOUND ON THE USACE WEBSITE. THE USACE DEFINES AND DETERMINES IN-STREAM WORK. BOUNDARIES OF THE IN-STREAM WORK AREA ARE SUBJECT TO ADJUSTMENT BY THE USACE AND THE CONTRACTOR'S MEANS AND METHODS OF CONSTRUCTING THE PROJECT. THE COST OF ALL MATERIALS AND LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS TO PREPARE AND IMPLEMENT AN IN-STREAM WORK PLAN WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.

CONTRACTOR SHALL REPAIR, TO THE SATISFACTION OF THE ENGINEER, ALL DAMAGE TO EXISTING ITEMS NOT SHOWN FOR REMOVAL. THIS WORK SHALL BE DONE BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.

THE CONTRACTOR SHALL CONTACT THE DISTRICT ONE TRAFFIC CONTROL SUPERVISOR AT 847-705-4470 A MINIMUM OF 72 HOURS IN ADVANCE OF BEGINNING WORK.

THE CONTRACTOR SHALL CONTACT THE BUREAU OF TRAFFIC FIELD ENGINEER, DON CHIARUGI, AT 847-741-9857 A MINIMUM OF TWO WEEKS PRIOR TO PLACEMENT OF PERMANENT PAVEMENT MARKINGS.

THE REMOVAL OF GUARDRAIL TERMINAL SECTIONS SHALL BE INCLUDED IN THE UNIT PRICE PER FOOT FOR GUARDRAIL REMOVAL.

THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.

FOR WORK OUTSIDE THE LIMITS OF BRIDGE APPROACH PAVEMENT, ALL REFERENCES IN THE HIGHWAY STANDARDS AND STANDARD SPECIFICATIONS FOR REINFORCEMENT, DOWEL BARS, AND TIE BARS IN PAVEMENT, SHOULDERS, CURB, GUTTER, COMBINATION CURB & GUTTER AND MEDIAN, AND CHAIR SUPPORTS FOR CRC PAVEMENT, SHALL BE EPOXY COATED UNLESS NOTED ON THE PLANS.

WHEN ARTIFICIAL LIGHTING IS USED IN NIGHT OPERATIONS THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.

ON STATE STANDARDS 482001 AND 483001 AGGREGATE SUBGRADE IMPROVEMENT 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 YARD OF "AGGREGATE SUBGRADE IMPROVEMENT 12".

WHEN MILLED PAVEMENT IS OPEN TO TRAFFIC THE MAXIMUM GRADE DIFFERENTIAL BETWEEN PASSES OF THE MILLING MACHINE SHALL NOT EXCEED 1/2 INCHES WHERE THE SPEED LIMIT IS 45 MPH OR LESS AND 1 INCH WHERE THE SPEED LIMIT IS GREATER THAN 45 MPH. WITH WRITTEN APPROVAL FROM THE ENGINEER, A MAXIMUM GRADE DIFFERENTIAL OF 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 HMA TAPER DETAILS" SHEET INCLUDED IN THE PLANS, UNLESS OTHERWISE SPECIFIED.

THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.

THE CONTRACTOR SHALL GRADE BACKSLOPES TO AVOID ANY CONFLICTS WITH EXISTING POWER POLES UNLESS NOTED ON THE PLANS.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. MEMBERS OF JULIE KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE:

- NICOR GAS 1844 FERRY ROAD NAPERVILLE, IL 60653-9600 630-983-8676
- AT&T 123 ENERGY DRIVE ROCKFORD, IL 61109-1099 630-573-6464
- COMMONWEALTH EDISON CO. ATTN: JOE STACHO TWO LINCOLN CENTRE OAKBROOK TERRACE, IL 60181-4260 630-424-5704
- VILLAGE OF LILY LAKE ATTN: JESSE HEFFERNAN, PRESIDENT 43W955 TWILIGHT LANE LILY LAKE, IL 60175 630-365-9677
- COMCAST CABLE 688 INDUSTRIAL DRIVE ELMHURST, IL 60126 630-600-6316

COMMITMENTS

1. THE DETOUR PLAN INCLUDED IN THIS PLAN SET IS TO BE USED WHEN SILVER GLEN ROAD IS CLOSED TO TRAFFIC AND BURLINGTON ROAD IS OPEN TO TRAFFIC (CLOSED AS PART OF THE NEARBY INTERSECTION RECONSTRUCTION PROJECT AT BURLINGTON ROAD AND ILLINOIS ROUTE 47). THE CONTRACTOR SHALL COORDINATE WITH THE KANE COUNTY DIVISION OF TRANSPORTATION AND THE ENGINEER OF THE ADJOINING PROJECT TO ENSURE THAT SIGNING FOR ALL REQUIRED DETOURS IS CLEAR, CONCISE AND ACCURATE. CONVERSELY, WHEN SILVER GLEN ROAD IS OPEN TO TRAFFIC AND BURLINGTON ROAD IS CLOSED TO TRAFFIC AS PART OF THE AFOREMENTIONED BURLINGTON ROAD PROJECT, THE ALTERNATE DETOUR PLAN INCLUDED IN THIS PLAN SET FOR INFORMATION ONLY, SHALL BE IN EFFECT.

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

GRANULAR MATERIALS	2.05	TONS / CU YD
BITUMINOUS MAT'L PRIME COAT	0.08	GAL / SQ YD (HMA/CONC BASE)
	0.375	GAL / SQ YD (AGG BASE)
AGGREGATE PRIME COAT	0.002	TONS / SQ YD
HOT-MIX ASPHALT	112	LBS / SQ YD / IN
SHORT TERM PAVEMENT MARKING	10	FT / 100 FT OF APPLICATION
MIX FOR CAVES, JTS & FLGWYS	0.0003	TONS / SQ YD
SUPPLEMENTAL WATERING	3	GAL / SQ YD / APPLICATION
TEMPORARY DITCH CHECKS	5	TONS AGGREGATE

FILE NAME = D:\BENTLEY\BENTLEY\G00000000.dgn
 MODEL = Default
 PLOT DRIVER = VBI.PLOT, ILLI17.PLOT



USER NAME = jmann	DESIGNED - MCV	REVISED -
	DRAWN - CMM	REVISED -
PLOT SCALE = 100.0000 1/1	CHECKED - MTM	REVISED -
PLOT DATE = 10/24/2012	DATE - 10/12	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL ROUTE 47 OVER VIRGIL DITCH #2
 STANDARDS & GENERAL NOTES
 SCALE: N.T.S. SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE. 326	SECTION 106X-B	COUNTY KANE	TOTAL SHEETS 87	SHEET NO. 2
CONTRACT NO. 60N13				
ILLINOIS FED. AID PROJECT				