

GENERAL NOTES

ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUB NUMBER LISTED IN THE INDEX OF SHEETS OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.

IN ADDITION TO FIELD SURVEYS, PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING FACILITIES HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD. SUCH VARIATIONS SHALL NOT BE A CAUSE OF ADDITIONAL COMPENSATION DUE TO A CHANGE IN THE SCOPE OF WORK; HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.

THE COST OF ADDITIONAL LABOR AND MATERIALS NOT ACCOUNTED FOR ON THE PLANS, WHICH MIGHT BE INVOLVED IN CONNECTING EXISTING DRAIN TILE OR STORM SEWERS TO PROPOSED DRAINAGE STRUCTURES, SHALL BE INCLUDED IN THE COST OF THE PROPOSED DRAINAGE STRUCTURES.

REMOVED CONCRETE OR BITUMINOUS PAVEMENT AND CONCRETE OR STONE CURB SHALL BE DISPOSED OF OUTSIDE THE LIMITS OF THE RIGHT-OF-WAY AT THE CONTRACTOR'S OWN EXPENSE AT LOCATIONS PROVIDED BY THE CONTRACTOR AND APPROVED BY THE ENGINEER.

THE CONTRACTOR MAY BE REQUIRED TO CONDUCT SOME OF HIS GRADING AND STORM SEWER OPERATIONS AROUND TRANSMISSION POLES AND UNDER TRANSMISSION LINES. THE ADDED COST OF SO DOING SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

EXISTING PAVEMENT, SIDEWALK, DRIVEWAY PAVEMENT, CURB, CURB AND GUTTER, ETC. DAMAGED DUE TO THE CONTRACTOR'S OPERATIONS AND NOT OTHERWISE NECESSARY TO REPLACE SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.

ALL EXISTING DRAINAGE STRUCTURES, NOT BEING REMOVED BY THE CONTRACTOR, THAT ARE DAMAGED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.

FOR INLETS AND MANHOLES CONSTRUCTED IN CONJUNCTION WITH THE CURB AND GUTTER, THE DISTANCE SHOWN ON THE PLANS IS FROM THE CONSTRUCTION CENTERLINE TO THE FACE OF CURB. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONSTRUCT EACH INLET OR MANHOLE, AT THE PROPER LOCATION, SO THAT THE FRAME OR GRATE MATCHES THE CURB LINE.

FOR ALL MANHOLES OR INLETS NOT CONSTRUCTED IN CONJUNCTION WITH THE CURB AND GUTTER OR CURB, THE DISTANCE SHOWN ON THE PLANS IS TO THE CENTER OF THE MANHOLE OR INLET.

WHEN DURING CONSTRUCTION OPERATIONS ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DITCHES, GUTTER OR DRAINAGE STRUCTURES SO THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF THE CONSTRUCTION OPERATIONS, ALL DRAINAGE STRUCTURES SHALL BE FREE FROM ALL DIRT AND DEBRIS. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED DRAINAGE ITEMS.

THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ADJUTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS IMPROVEMENT.

EXISTING CONCRETE SIGN BASES AND OTHER MISCELLANEOUS CONCRETE NOT SPECIFICALLY SHOWN ON THE PLANS INTERFERING WITH PROPOSED CONSTRUCTION SHALL BE REMOVED. COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF GRADING AND SHAPING DITCHES.

TRAFFIC CONTROL SIGNS REMOVED MUST BE RESET AT THEIR PERMANENT LOCATIONS IN A WORKMANLIKE MANNER AND VISIBLE TO TRAFFIC ON THE ROADWAY. THESE SIGNS SHALL BE INSTALLED IN ACCORDANCE WITH THE 'MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREET AND HIGHWAYS', LATEST EDITION. THE COST OF SUCH WORK SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION.

THE LOCATION OF UNDERGROUND UTILITIES SHOWN ON THE PLANS REPRESENTS THE BEST KNOWLEDGE OF THE DEPARTMENT AND THE INDICATED ADJUSTMENTS OR RECONSTRUCTION ARE CONSIDERED TO BE REASONABLY ACCURATE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY, AS DETAILED IN SECTION 563 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION TO VERIFY LOCATIONS OF UNDERGROUND INSTALLATIONS BEFORE STARTING CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL INDEMNIFY THE DEPARTMENT, ITS OFFICERS, AND EMPLOYEES AGAINST ALL CLAIMS DUE TO DAMAGE TO CORPORATE OR PRIVATE PROPERTY RESULTING FROM THIS CONSTRUCTION OPERATIONS AS DESCRIBED IN ARTICLE 107.20 AND 107.26 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS, AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE J.U.L.I.E. NUMBER IS 1-800-892-0123. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED.

THE THICKNESS OF BITUMINOUS MIXTURES 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 BITUMINOUS MIXTURE IS PLACED.

THE CONTRACTOR SHALL COMPLY WITH THE ENVIRONMENTAL PROTECTION AGENCY (E.P.A.) REGULATIONS WHICH APPLY TO STORM SEWER CONSTRUCTION REGARDING THE HORIZONTAL AND VERTICAL SEPARATION OF A STORM SEWER LINE FROM ANY EXISTING OR PROPOSED WATER MAIN. AT LOCATIONS WHERE THE SEPARATION IS INADEQUATE, THE CONTRACTOR SHALL ADJUST THE WATER MAIN TO PROVIDE THE REQUIRED SEPARATION OR CONSTRUCT THE STORM SEWER OF THE MATERIAL SPECIFIED IN THE E.P.A. REGULATIONS.

THE FINISHED EARTHWORK SHALL HAVE A VEGETATION SUSTAINING SOIL COVERING THE TOP FOUR INCHES IN AREAS TO BE SEED. THE VEGETATION SUSTAINING SOIL REQUIRED WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF GRADING AND SHAPING DITCHES.

ALL ELEVATIONS SHOWN REFER TO THE U.S.G.S. DATUM AT MEAN SEA LEVEL, UNLESS OTHERWISE NOTED.

THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR THE VARIOUS BITUMINOUS LIFTS.

WHERE SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL MONUMENTS UNTIL AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR RE-ESTABLISH ANY SECTION OR SUB-SECTION MONUMENTS DESTROYED BY HIS OPERATIONS.

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.

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.

THE REMOVAL OF BITUMINOUS SURFACING ON A RIGID TYPE BASE SHALL BE REMOVED WITH THE BASE AS PAVEMENT REMOVAL.

THE QUANTITY FOR BITUMINOUS SHOULDER REMOVAL AND REPLACEMENT 8" IS ESTIMATED TO ESTABLISH A UNIT COST. SEE SPECIAL PROVISIONS.

THE COST OF EARTHWORK REQUIRED FOR THE CONSTRUCTION OF ENTRANCES OR SIDEROADS SHALL BE INCLUDED IN THE PAY ITEMS ASSOCIATED WITH THE ENTRANCE OR SIDEROAD CONSTRUCTION.

LIME SHALL BE APPLIED IN A SLURRY ACCORDING TO THE SPECIAL PROVISION FOR SOIL MODIFICATION. THIS WORK SHALL BE PERFORMED BETWEEN MAY 1 AND OCTOBER 1.

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

| | |
|---|--|
| FERTILIZER NUTRIENTS | 90 LBS/ACRE |
| MULCH | 2 TON/ACRE |
| AGRICULTURE GROUND LIMESTONE | 2 TON/ACRE |
| LIME FOR LIME MODIFIED SOILS 12" | 32 LBS/SO YD |
| GRANULAR MATERIALS | 2.05 TON/CU YD |
| BITUMINOUS MATERIALS PRIME COAT | 0.00038 TON/SQ YD ON PAVEMENT OR 0.001425 TON/SQ YD ON AGGREGATE |
| AGGREGATE PRIME COAT | 0.002 TON/SQ YD |
| BITUMINOUS CONCRETE SURFACE COURSE, MIX C | 0.056 TON/SQ YD/IN |
| SHORT TERM PAVEMENT MARKING | 10FT/100 FT |
| LEVEL BINDER (MACHINE METHOD) | 0.056 TON/SQ YD/IN |

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

| MIXTURE USE(S): | LEV BIND (MACH METH) | BIT CONC SURF CSE | INCIDENTAL BIT SURF |
|--|----------------------|-----------------------------|-----------------------------|
| ACPG: | PG 64-22 | PG 64-22 | PG 64-22 |
| RAP %: (MAX) | 20% | 15% | 15% |
| DESIGN AIR VOIDS: | 4.0 @ N DES=50 | 4.0 @ N DES=50 | 4.0 @ N DES=50 |
| MIXTURE COMPOSITION: (GRADATION MIXTURE) | SUPERPAVE IL9.5 | SUPERPAVE IL 9.5 OR IL 12.5 | SUPERPAVE IL 9.5 OR IL 12.5 |
| FRICITION AGREGATE: | NA | MIX "C" | MIX "C" |

| MIXTURE USE(S): | BASE CSE WIDE 9" | BIT CONC SHLDRS |
|--|-------------------|-----------------|
| ACPG: | PG 58-22 | PG 58-22 |
| RAP %: (MAX) | 15% | 15% |
| DESIGN AIR VOIDS: | 2.0 @ N DES=50 | 2.0 @ N DES=50 |
| MIXTURE COMPOSITION: (GRADATION MIXTURE) | SUPERPAVE IL 19.0 | BAM |
| FRICITION AGREGATE: | NA | NA |

LIST OF STANDARDS

- 000001-04 STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
- 280001-02 TEMPORARY EROSION CONTROL SYSTEMS
- 420001-06 PAVEMENT JOINTS
- 420101-03 24' JOINTED PCC PAVEMENT
- 442201-01 CLASS C AND D PATCHES
- 542101 REINFORCED CONCRETE END SECTIONS FOR PIPE CULVERTS 375 mm (15") THRU 900mm (36") DIAMETER AT RIGHT ANGLES WITH ROADWAY
- 542301 PRECAST REINFORCED CONCRETE FLARED END SECTION
- 602301-02 INLET, TYPE A
- 602306-01 INLET, TYPE B
- 602401-01 MANHOLE, TYPE A
- 602601 PRECAST REINFORCED CONCRETE FLAT SLAB TOP
- 602701-01 MANHOLE STEPS
- 604001-02 FRAME AND LIDS, TYPE 1
- 604008-02 FRAME AND GRATE, TYPE 3
- 604036-01 GRATE, TYPE B
- 606001-02 CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
- 606101-01 TYPE A GUTTER (INLET, OUTLET, AND ENTRANCE)
- 606301-02 PC CONCRETE ISLANDS AND MEDIANS
- 630001-06 CORRUGATED PC CONCRETE MEDIANS
- 635006-02 STEEL PLATE BEAM GUARDRAIL
- 635011-01 SHOULDER WIDENING FOR TYPE 1, (SPECIAL) GUARDRAIL TERMINALS
- 701001-01 REFLECTOR AND TERMINAL MARKER PLACEMENT
- 701006-02 REFLECTOR MARKER AND MOUNTING DETAILS
- 701011-01 OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 4.5m (15') AWAY
- 701011-01 OFF-ROAD OPERATIONS, 2L, 2W, 4.5m (15') TO 600mm (24") FROM PAVEMENT EDGE
- 701011-01 OFF-ROAD MOVING OPERATIONS, 2L, 2W, DAY ONLY
- 701011-01 OFF-ROAD OPERATIONS, MULTILANE, 4.5m (15') TO 600mm (24") FROM PAVEMENT EDGE
- 701201-02 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
- 701306-01 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
- 701311-02 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
- 701326-02 LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS ≥ 45 MPH
- 701421-01 LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS ≥ 45 MPH TO 55 MPH
- 701422-01 LANE CLOSURE, MULTILANE, FOR SPEEDS ≥ 45 MPH TO 55 MPH
- 701601-04 URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONREVERSABLE MEDIAN
- 701701-04 URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 701801-03 LANE CLOSURE, MULTILANE 1W 02 2W CROSSWALK OR SIDEWALK CLOSURE
- 702001-06 TRAFFIC CONTROL DEVICES
- 780001-01 TYPICAL PAVEMENT MARKINGS
- 781001-02 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
- 814001 CONCRETE HANDHOLES
- 857001 STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
- 873001 TRAFFIC SIGNAL GROUNDING
- 880001 SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
- 880006 TRAFFIC SIGNAL MOUNTING DETAILS
- BLR 21-6 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON LOCAL HIGHWAYS

COMMITMENTS

NONE

LEGEND

SEE SHEET 45 FOR LEGEND

INDEX OF SHEETS

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| RTE. | SECTION | COUNTY | TOTAL SHEETS | SHEET NO. |
|---|---------|--------|--------------|-----------|
| | RS,R | ** | 302 | 2 |
| FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT | | | | |
| * FAU 8239, FAS 1767, FAS 1766 & SBI 16 (OLD US 66) | | | | |
| * MONTGOMERY & MACOUPIN COUNTIES | | | | |

CONTRACT NO. 72526

DISTRICT SIX

EXAMINED February 9 20 06

Paul J. Haman
OPERATIONS ENGINEER

EXAMINED FEB 9 20 06

W.R. Jones
PROGRAM IMPLEMENTATION ENGINEER

EXAMINED FEBRUARY 10 20 06

William E. White
PROGRAM DEVELOPMENT ENGINEER

PAVEMENT STRUCTURAL DESIGN INFORMATION

STRUCTURAL DESIGN TRAFFIC: YEAR 2014
PV=5,415 SU=171 MU=114

ROAD/STREET CLASSIFICATION: CLASS II

PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
P=50% S=50% M=50%

TRAFFIC FACTOR: ACTUAL TF = 0.89
MINIMUM TF = 5.51

SUBGRADE SUPPORT RATING:
SSR = POOR

REVISIONS

| NAME | DATE |
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ILLINOIS DEPARTMENT OF TRANSPORTATION

**INDEX, LIST OF STANDARDS,
GENERAL NOTES AND COMMITMENTS**

SCALE: VERT.
HORIZ.
DATE 2/8/2006

DRAWN BY TJD
CHECKED BY AWM