

**INDEX OF SHEETS**

SHEET NO.	DESCRIPTION
1	COVER SHEET
2-3	GENERAL NOTES AND STATE STANDARDS
4-7	SUMMARY OF QUANTITIES
8-9	TYPICAL SECTIONS
10	SCHEDULE OF QUANTITIES
11	ALIGNMENT AND BENCHMARKS
12-17	PLAN AND PROFILE
18	MAINTENANCE OF TRAFFIC GENERAL NOTES AND TYPICAL SECTIONS
19-21	MAINTENANCE OF TRAFFIC
22-23	EROSION CONTROL AND LANDSCAPING PLANS
24	INTERSECTION GRADING PLAN
25-26	SIGNING AND STRIPING PLANS
27-28	TRAFFIC SIGNAL MODIFICATION - BIESTERFIELD RD / I-290 EB ON-RAMP
29-30	TRAFFIC SIGNAL MODIFICATION - BIESTERFIELD RD / I-290 WB ON-RAMP
31-32	INTERCONNECT PLAN
33-38	TRAFFIC SIGNAL DETAILS
39-44	STREET LIGHTING PLANS
45-54	STREET LIGHTING DETAILS
55-58	SN 016-0960 (BIESTERFIELD ROAD OVER I-290)
59	EXPANSION JOINT DETAILS
60-72	CONSTRUCTION DETAILS
73-88	CROSS SECTIONS

**IDOT STANDARDS**

000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-05	TEMPORARY EROSION CONTROL SYSTEMS
353001-04	PCC BASE COURSE WITH HMA BINDER & SURFACE COURSES
420001-07	PAVEMENT JOINTS
442101-07	CLASS B PATCHES
442201-03	CLASS C AND D PATCHES
483001-04	PCC SHOULDER
542401-01	METAL END SECTION FOR PIPE CULVERTS
601001-03	SUB-SURFACE DRAINS
601101-01	CONCRETE HEADWALL FOR PIPE DRAIN
602001-01	CATCH BASIN TYPE A
602601-02	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-03	FRAME AND LIDS TYPE 1
604091-02	FRAME AND GRATE TYPE 24
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606006-02	OUTLETS FOR CONCRETE CURB & GUTTER TYPE B-15.24 (B6.24)
606301-04	PC CONCRETE ISLANDS AND MEDIANS
701101-02	OFF-RD OPERATIONS, MULTILANE, LESS THAN 15' TO EDGE OF PAVEMENT
701106-02	OFF-RD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701400-04	APPROACH TO LANE CLOSURE - FREEWAY/EXPRESSWAY
701401-05	LANE CLOSURE FREEWAY/EXPRESSWAY
701411-06	LANE CLOSURE MULTI LANE - ENTRANCE OR EXIT RAMP
701446-01	TWO LANE CLOSURE - FREEWAY/EXPRESSWAY
701601-06	URBAN LANE CLOSURE, MULTILANE, 1W 2W WITH NONTRAVERSABLE MEDIAN
701701-06	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-01	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-02	SIGN PANEL ERECTION DETAILS
720016-02	MAST ARM MOUNTED STREET NAME SIGNS
728001-01	TELESCOPING STEEL SIGN SUPPORT
780001-02	TYPICAL PAVEMENT MARKINGS
805001-01	ELECTRICAL SERVICE INSTALLATION DETAILS
814001-02	HANDHOLES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
878001-08	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS

**SPECIFICATIONS, STANDARDS AND SPECIAL PROVISIONS**

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ("STANDARD SPECIFICATIONS"), ADOPTED JANUARY 1, 2007; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", ADOPTED JANUARY 1, 2010; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", (IMUTCD); "THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS" JULY 2009 SIXTH EDITION, THE DETAILS IN THE PLANS, AND THE SPECIAL PROVISIONS AND IDOT STANDARD DRAWINGS INCLUDED IN THE CONTRACT DOCUMENTS.
- NO WORK SHALL COMMENCE UNTIL TRAFFIC CONTROL REQUIREMENTS ARE MET AND APPROPRIATE PERMITS HAVE BEEN OBTAINED.
- ALL UTILITY COMPANIES, SCHOOL DISTRICTS, AND LOCAL POLICE AND FIRE DEPARTMENTS SHALL BE NOTIFIED BY THE CONTRACTOR AT LEAST 72 HOURS PRIOR TO THE START OF CONSTRUCTION.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.
- WHEN REMOVING CURB AND GUTTER, PAVEMENT OR ANY OTHER STRUCTURE, THE CONTRACTOR SHALL TAKE EVERY PRECAUTION NECESSARY TO ENSURE THAT THERE WILL BE NO DAMAGE TO UNDERGROUND PUBLIC OR PRIVATE UTILITIES. UNDER NO CIRCUMSTANCES WILL THE USE OF A FROST BALL CONCRETE BREAKER BE ALLOWED.
- THE CONTRACTOR IS PROHIBITED FROM BURNING ANY MATERIAL WITHIN OR ADJACENT TO THE PROJECT LIMITS. ALL EXCESS OR WASTE MATERIAL SHALL BE EITHER HAULED AWAY FROM THE PROJECT SITE BY THE CONTRACTOR AND DEPOSITED AT LOCATIONS PROVIDED BY HIM, OR DISPOSED OF WITHIN THE RIGHT-OF-WAY IN A MANNER OTHER THAN BURNING, SUBJECT TO THE APPROVAL OF THE ENGINEER. NO EXTRA COMPENSATION WILL BE ALLOWED THE CONTRACTOR FOR ANY EXPENSE INCURRED BY COMPLYING WITH THE REQUIREMENTS OF THIS NOTE.

**PAVING, SHOULDERS, CURB & GUTTER AND SIDEWALK**

- THE CONTRACTOR SHALL SAW CUT PAVEMENT, CURB & GUTTER, MEDIAN, SHOULDER, AND SIDEWALK AS INDICATED ON THE PLANS TO SEPARATE THE EXISTING MATERIAL TO BE REMOVED BY MEANS OF AN APPROVED CONCRETE SAW TO A DEPTH AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE COST OF THE ITEM BEING REMOVED.  
  
THE CONTRACTOR SHALL BE REQUIRED TO SAW VERTICAL CUTS SO AS TO FORM CLEAN VERTICAL JOINTS. SHOULD THE CONTRACTOR DEFACE ANY EDGE, A NEW SAWED JOINT SHALL BE PROVIDED AND ANY ADDITIONAL WORK, INCLUDING REMOVAL AND REPLACEMENT, SHALL BE DONE AT THE CONTRACTOR'S EXPENSE.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE THICKNESS OF THE EXISTING PAVEMENT AND WHETHER OR NOT IT CONTAINS REINFORCEMENT.
- HOT-MIX ASPHALT BINDER COURSE SHALL NOT BE PLACED ADJACENT TO CURB AND GUTTER UNTIL THE CURB AND GUTTER HAS BEEN PROPERLY CURED AND BACKFILLED TO THE SATISFACTION OF THE ENGINEER.
- HOT-MIX ASPHALT SURFACE COURSE SHALL NOT BE PLACED UNTIL ALL EARTH EXCAVATION, TOPSOIL PLACEMENT, AND HOT-MIX ASPHALT BINDER COURSE HAVE BEEN COMPLETED TO THE SATISFACTION OF THE ENGINEER.
- THE THICKNESSES OF HOT-MIX ASPHALT MIXTURES SHOWN ON THE PLANS ARE NOMINAL. DEVIATIONS MAY OCCUR DUE TO IRREGULARITIES IN THE SURFACE, BINDER, OR BASE UPON WHICH THE HOT-MIX ASPHALT MATERIALS ARE PLACED.
- AT LOCATIONS WHERE PROPOSED AND EXISTING CURB AND GUTTER MEET, THE PROPOSED CURB AND GUTTER SHALL BE TIED TO THE EXISTING CURB AND GUTTER WITH TWO 1/4 INCH STEEL DOWEL BARS (18" LONG) DRILLED INTO THE EXISTING CURB AND GUTTER END.  
  
THE ENGINEER MUST INSPECT AND APPROVE THE BASE AND FORMWORK FOR CURB AND GUTTER BEFORE ANY CONCRETE IS POURED. A MINIMUM 24 HOUR NOTICE SHALL BE PROVIDED FOR FORMWORK INSPECTION.  
  
THIS WORK SHALL BE INCLUDED IN THE COST OF "COMBINATION CONCRETE CURB AND GUTTER" OF THE TYPE SPECIFIED.
- ALL SAW CUTS AND DOWEL BARS REQUIRED FOR THE CONSTRUCTION OF CLASS B PATCHES SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF "CLASS B PATCHES" OF THE TYPE AND THICKNESS REQUIRED.

**TREE REMOVAL, CLEARING AND HEDGE REMOVAL**

- THE CONTRACTOR'S ATTENTION IS CALLED TO THE FACT THAT THE PRESERVATION OF EXISTING TREES IS OF THE UTMOST IMPORTANCE TO THE VILLAGE. ALL TREE PROTECTION, TREE REMOVAL, TREE PRUNING AND ROOT PRUNING SHALL BE COMPLETED BEFORE CONSTRUCTION OPERATIONS COMMENCE IN ANY AREA. AT NO TIME SHALL THE CONTRACTOR PRUNE OR REMOVE ANY TREES UNLESS SPECIFICALLY DIRECTED BY THE ENGINEER.
- TEMPORARY FENCE SHALL BE ERECTED ALONG THE DRIP LINE OF EXISTING TREES TO REMAIN WHEN DIRECTED BY THE ENGINEER. AFTER TREES ARE SAFELY FENCED NOTHING IS TO BE STORED, DRIVEN, OR DISTURBED INSIDE THE FENCE. REMOVE PROTECTIVE TEMPORARY FENCE ONLY AFTER ALL CONSTRUCTION WORK HAS BEEN COMPLETED.

**ROADWAY EXCAVATION**

- POROUS GRANULAR EMBANKMENT, SUBGRADE (PGES) HAS BEEN INCLUDED IN THE CONTRACT TO REPLACE SOILS WHICH TEND TO BE UNSTABLE WHEN WET. THE ACTUAL NEED FOR REMOVAL AND REPLACEMENT WITH PGES WILL BE DETERMINED IN THE FIELD AT THE TIME OF CONSTRUCTION BY THE ENGINEER. IF UNSUITABLE SOILS ARE ENCOUNTERED THE SOILS SHALL BE REMOVED AND REPLACED WITH PGES. THESE LIMITS MAY BE ALTERED BY THE ENGINEER IF FIELD CONDITIONS SO WARRANT. REMOVAL OF THESE UNSUITABLE SOILS SHALL BE PAID FOR AS "REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL."
- THE QUANTITIES OF FURNISHED EXCAVATION HAVE BEEN CALCULATED ASSUMING THAT ALL MATERIAL EXCAVATED UNDER THE PAY ITEM EARTH EXCAVATION WILL BE REMOVED FROM THE JOB SITE. IF THE CONTRACTOR EXCAVATES SUITABLE MATERIAL AND PLACES IT IN AREAS OF THE PROJECT REQUIRING EMBANKMENT UNDER THE PAY ITEM EARTH EXCAVATION, AS DESCRIBED IN SECTION 202 OF THE STANDARD SPECIFICATIONS AND AS APPROVED BY THE ENGINEER, THE APPLICABLE DEDUCTION TO THE FURNISHED EXCAVATION QUANTITY SHALL BE MADE AS DEFINED BY ARTICLE 204.07(B), EXCEPT THAT A SHRINKAGE FACTOR OF 15% SHALL BE USED. THE CONTRACTOR SHALL NOT BE ALLOWED A CHANGE IN THE UNIT PRICES FOR EARTH EXCAVATION OR FURNISHED EXCAVATION BASED ON THESE CHANGES TO THE QUANTITIES. THE VOLUMES OF FURNISHED EXCAVATION SHOWN ON THE PLANS ARE THE COMPACTED VOLUMES. THE VOLUMES SHOWN ON THE PLANS HAVE NOT BEEN ADJUSTED TO ACCOUNT FOR SHRINKAGE DUE TO COMPACTION.

**UTILITIES**

- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES. THE LOCATION OF PUBLIC OR PRIVATE UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE AND THE ENGINEER DOES NOT GUARANTEE THEIR ACCURACY.
- COORDINATION OF ANY UTILITY WORK INVOLVED IN THE CONSTRUCTION AREA WILL BE DISCUSSED AT THE PRECONSTRUCTION CONFERENCE.
- BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT 1-800-892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, GAS, WATER, SEWER AND CABLE TELEVISION FACILITIES. (48 HOURS NOTIFICATION IS REQUIRED.)
- WHENEVER DURING CONSTRUCTION OPERATIONS ANY LOOSE MATERIAL IS DEPOSITED IN THE FLOW LINE OF DRAINAGE STRUCTURES SUCH THAT THE NATURAL FLOW OF WATER IS OBSTRUCTED, IT SHALL BE REMOVED AT THE CLOSE OF EACH WORKING DAY. AT THE CONCLUSION OF CONSTRUCTION OPERATIONS, ALL UTILITY STRUCTURES SHALL BE FREE FROM DIRT AND DEBRIS. THE COST OF ALL MATERIALS REQUIRED AND ALL LABOR NECESSARY TO COMPLY WITH THE ABOVE PROVISIONS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE COST OF THE STORM SEWERS AND DRAINAGE STRUCTURES INSTALLED AS PART OF THIS PROJECT.
- ANY EXISTING OR PROPOSED SEWER DAMAGED BY THE CONTRACTOR DURING CONSTRUCTION SHALL BE REPLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE ENGINEER AT NO COST TO THE VILLAGE.
- THE CONTRACTOR SHALL RECEIVE NO ADDITIONAL COMPENSATION FOR CONSTRUCTION STAGING NECESSARY TO ACCOMMODATE UTILITY RELOCATION OR ADJUSTMENT AND/OR FOR DELAYS CAUSED BY UTILITY RELOCATION OR ADJUSTMENT.
- THE CONTRACTOR SHALL FURNISH ALL LABOR, EQUIPMENT AND MATERIAL NECESSARY FOR DEWATERING TRENCH EXCAVATIONS AS WELL AS SHORING TRENCH WALLS DURING UTILITY OPERATIONS. THE COST TO COMPLY WITH THE ABOVE SHALL BE INCLUDED IN THE COST OF THE STORM SEWERS AND DRAINAGE STRUCTURES INSTALLED AS PART OF THIS PROJECT.

FILE NAME = ...2349\cad\sheet\2349_notes.dgn	USER NAME = djk	DESIGNED - JAT	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 50.0000' / IN.	DRAWN - JAT	REVISED -			1339	09-00054-00-CH	COOK	88	2	
	PLOT DATE = 7/7/2010	CHECKED - DJK	REVISED -			<b>CONTRACT NO. 63505</b>					
		DATE - 07-07-10	REVISED -			FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT ARA-M-900315691					
SHEET NO. 1 OF 2 SHEETS											