

**INDEX OF SHEETS**

1 COVER SHEET-VOLUME 1 OF 2  
 2 INDEX, LEGEND & GENERAL NOTES  
 3 JOB SPECIFIC NOTES, COMMITMENTS, & PHONE NUMBERS  
 4 STATUS OF UTILITIES TO BE ADJUSTED (BY IDOT)  
 5-19 SUMMARY OF QUANTITIES  
 20-25 TYPICAL SECTIONS  
 26-28 SUPERELEVATION TRANSITION DETAILS  
 29-44 SCHEDULES OF QUANTITIES  
 45 PROJECT LINE DIAGRAM  
 46-59 ALIGNMENT LAYOUTS  
 60-65 ALIGNMENT TIES AND BENCHMARKS  
 66-70 MAINTENANCE OF TRAFFIC SCHEMATICS  
 71-91 REMOVAL PLANS - IL336  
 92-99 REMOVAL PLANS - SIDEROADS & RAMPS  
 100-101 ROADWAY PLAN & PROFILE - CH 14  
 102-104 ROADWAY PLAN & PROFILE - SERVICE DRIVE  
 105-106 CULVERT LAYOUT PLAN  
 107-143 GRADING & DRAINAGE PLAN & PROFILE - IL 336  
 144-166 GRADING & DRAINAGE PLAN & PROFILE - SIDEROADS & RAMPS  
 167 UTILITY PLAN & PROFILE - IL 336  
 168-173 UTILITY PLAN & PROFILE - 1500N (CH 20)  
 174-177 UTILITY SPECIAL DETAILS  
 178-198 EROSION CONTROL PLANS - IL 336  
 199-209 EROSION CONTROL PLANS - SIDEROADS & RAMPS  
 210-230 LANDSCAPING PLANS - IL 336  
 231-241 LANDSCAPING PLANS - SIDEROADS & RAMPS  
 242-256 RIGHT-OF-WAY PLANS  
 257-262 STRUCTURE TS&L'S (FOR REFERENCE ONLY-STRUCTURES BY OTHERS)  
 263-293 CULVERT DETAILS  
 294-295 GRADING PLAN - IL 336 / US 136 INTERCHANGE  
 296-297 GRADING PLAN - TR 1350N (CH 14)  
 298-299 GRADING PLAN - IL 336 / US 67 INTERCHANGE  
 300-301 RAMP TERMINAL DETAILS  
 302-310 SPECIAL DETAILS  
 311-329 DISTRICT 4 STANDARD DETAILS  
 330 COVER SHEET-VOLUME 2 OF 2  
 331-506 CROSS SECTIONS - IL 336  
 507-528 CROSS SECTIONS - IL 336 CULVERTS  
 529-530 CROSS SECTIONS - IL 336 UTILITY CROSSINGS  
 531-671 CROSS SECTIONS - SIDEROADS & RAMPS

**LEGEND OF NON STANDARD SYMBOLS**

	PROPOSED DITCH
	EXISTING DITCH
	BEGINNING OF PROFILE GRADE
	END OF PROFILE GRADE
	SPECIAL DITCH LEFT (SP DT LT)
	SPECIAL DITCH RIGHT (SP DT RT)
	SPECIAL MEDIAN DITCH (SP MED DT)
	SPECIAL BENCH DITCH LEFT (SP BD LT)
	SPECIAL BENCH DITCH RIGHT (SP BD RT)
	ENERGY DISSIPATING BASIN (SEE DETAIL)
	SEDIMENT BASIN
	STILLING BASIN (SEE DETAIL)
	ITEM TO BE REMOVED
	TREE REMOVAL, ACRES
	FENCE REMOVAL
	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
	FENCE GATE
	PAVEMENT PATCHING, TYPE, SQ YD
	FLAT SLAB TOP (SEE HWY STD OR DETAIL)

**GENERAL NOTES**

**SOIL REPORT AVAILABILITY**

ALL SOILS DATA COLLECTED AND PROCESSED FOR THE SOILS REPORT MADE IN CONJUNCTION WITH THE DESIGN OF THIS IMPROVEMENT IS ON FILE AT THE IDOT DISTRICT 4 OFFICE WHERE IT IS AVAILABLE FOR THE INSPECTION OF CONTRACTORS OR PROSPECTIVE BIDDERS. BY SUBMITTING A BID, THE CONTRACTOR ACKNOWLEDGES THAT THE SOILS REPORT HAS BEEN MADE AVAILABLE AND IS AWARE OF THE REPORT CONTENTS AND APPENDICES.

**AVAILABILITY OF ELECTRONIC FILES**

MICROSTATION AND GEOPAK FILES OF THIS PROJECT WILL BE MADE AVAILABLE TO THE CONTRACTOR. IF THERE IS A CONFLICT BETWEEN THE ELECTRONIC FILES AND THE PRINTED CONTRACT PLANS AND DOCUMENTS, THE PRINTED CONTRACT PLANS AND DOCUMENTS SHALL TAKE PRECEDENCE OVER THE ELECTRONIC FILES. THE CONTRACTOR SHALL ACCEPT ALL RISK ASSOCIATED WITH USING THE ELECTRONIC FILES AND SHALL HOLD THE DEPARTMENT HARMLESS FOR ANY ERRORS OR OMISSIONS IN THE ELECTRONIC FILES AND THE DATA CONTAINED THEREIN. ERRORS OR DELAYS RESULTING FROM THE USE OF THE ELECTRONIC FILES BY THE CONTRACTOR SHALL NOT RESULT IN AN EXTENSION OF TIME FOR ANY INTERIM OR FINAL COMPLETION DATE OR SHALL NOT BE CONSIDERED CAUSE FOR ADDITIONAL COMPENSATION. THE CONTRACTOR SHALL NOT USE, SHARE, OR DISTRIBUTE THESE ELECTRONIC FILES EXCEPT FOR THE PURPOSE OF CONSTRUCTING THIS CONTRACT. ANY CLAIMS BY THIRD PARTIES DUE TO USE OR ERRORS SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL INCLUDE THIS DISCLAIMER WITH THE TRANSFER OF THESE ELECTRONIC FILES TO ANY OTHER PARTIES AND SHALL INCLUDE APPROPRIATE LANGUAGE BINDING THEM TO SIMILAR RESPONSIBILITIES.

**UTILITIES - LOCATIONS/INFORMATION ON PLANS**

THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE, BUT THEY ARE NOT GUARANTEED. UNLESS ELEVATIONS ARE SHOWN ALL UTILITY LOCATIONS SHOWN ON THE CROSS SECTIONS ARE BASED ON THE APPROXIMATE DEPTH SUPPLIED BY THE UTILITY COMPANY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE UTILITY COMPANIES AND BY FIELD INSPECTION.

**TREE REMOVAL - UTILITY RELOCATION**

TREE REMOVAL MAY BE NECESSARY PRIOR TO UTILITY COMPANIES BEING ABLE TO RELOCATE THEIR FACILITIES OUTSIDE THE CONSTRUCTION LIMITS. THE CONTRACTOR SHOULD COORDINATE ANY CONTRACT TREE REMOVAL ACTIVITIES WITH THE UTILITY COMPANIES TO ELIMINATE CONFLICTS AND POTENTIAL DELAYS CAUSED BY UTILITY TREE REMOVAL ACTIVITIES OR INCOMPLETE UTILITY RELOCATIONS.

**PLAN ELEVATIONS - U.S.G.S. MEAN SEA LEVEL DATUM**

ALL ELEVATIONS SHOWN ON THE PLANS ARE ESTABLISHED FROM U.S.G.S. MEAN SEA LEVEL DATUM.

**PROPERTY OWNER ACCESS REQUIREMENT**

ACCESS MUST BE MAINTAINED TO ALL EXISTING PROPERTIES DURING CONSTRUCTION PER ARTICLE 107.09 UNLESS ARRANGEMENTS ARE MADE IN WRITING BY THE CONTRACTOR WITH THE PROPERTY OWNERS WITH A COPY TO THE ENGINEER FOR SHORT-TERM CLOSURES.

**CONSECUTIVE SIDE STREET (ROAD) CLOSURE - PROHIBITED**

- NO CONSECUTIVE SIDE STREETS (ROADS) MAY BE CLOSED AT THE SAME TIME DURING CONSTRUCTION. THE CONTRACTOR MUST ALTERNATE STREETS (ROADS).
- ADJACENT SIDE ROADS WILL NOT BE CLOSED SIMULTANEOUSLY. BLR STANDARD 21 SHALL BE USED FOR ALL LOCAL ROAD CLOSURES WITHOUT ANY ENTRANCES WITHIN THE CLOSED AREA. BLR STANDARD 22 CAN BE USED WHERE IT IS NECESSARY TO ALLOW LOCAL TRAFFIC ACCESS.

**COMMITMENTS**

COMMITMENTS ARE NOT TO BE ALTERED WITHOUT THE WRITTEN APPROVAL OF ALL PARTIES TO WHICH THE COMMITMENT WAS MADE.

ANY ENTITIES REALIZED TO BE AFFECTED BY CONSTRUCTION SHALL BE CONTACTED PRIOR TO THE CLOSING OF THE ROADWAY. THESE INCLUDE BUT ARE NOT LIMITED TO:  
 McDONOUGH COUNTY ENGINEER - (309) 833-4196  
 EMMET TOWNSHIP COMMISSIONER - (309) 333-7333  
 McDONOUGH COUNTY ESDA - (309) 837-2686  
 US POST OFFICE IN MACOMB - (309) 833-5594  
 McDONOUGH COUNTY PUBLIC TRANSPORTATION - (309) 837-3941  
 SCHOOL DISTRICT 185 TRANSPORTATION DEPT - (309) 836-6806

**CLEARING**

AT LOCATIONS WHERE CLEARING IS INDICATED ON THE PLANS BEYOND THE LIMITS OF THE PROPOSED EXCAVATION OR EMBANKMENT, THE CONTRACTOR SHALL RESTORE THE DISTURBED EARTH BY BLADING AND SHAPING TO BLEND WITH THE ADJACENT GROUND. THE CLEARING WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE EXCAVATION PAY ITEMS IN THE PLANS. PAYMENT FOR RESEEDING OR RESODDING WILL BE PROVIDED IN THE PLANS.

**TREE REMOVAL**

THE DISTRICT 4 TREE COMMITTEE SHOULD BE CONTACTED AND PRIOR APPROVAL OBTAINED FOR ANY TREE REMOVAL BEYOND THE LIMITS/LOCATIONS INCLUDED IN THE PLANS.

**ENVIRONMENTAL REVIEWS**

PRIOR TO THE USE OF ANY PROPOSED BORROW AREAS, USE AREAS (TEMPORARY ACCESS ROADS, DETOURS, RUN-AROUNDS, ETC.) AND/OR WASTE AREAS, THE CONTRACTOR SHALL FILE THE REQUIRED ENVIRONMENTAL RESOURCE REQUEST SURVEYS ACCORDING TO SECTION 107.22 OF THE STANDARD SPECIFICATIONS. THESE SURVEYS ARE REQUIRED IN ORDER FOR THE DEPARTMENT TO CONDUCT CULTURAL AND BIOLOGICAL RESOURCE SURVEYS FOR THE PROPOSED SITE.

PRIOR TO ANY WASTE MATERIALS BEING REMOVED FROM THE CONSTRUCTION SITE THE REQUIRED ENVIRONMENTAL RESOURCE SURVEYS WILL NEED TO BE OBTAINED AND FILED BY THE CONTRACTOR. EXCESS WASTE PRODUCTS REMOVED FROM THE CONSTRUCTION SITE SHALL BE DISPOSED OF AS REQUIRED IN SECTION 202.03 OF THE STANDARD SPECIFICATIONS.

ANY PROTRUDING METAL BARS SHALL BE REMOVED PRIOR TO THE DISPOSAL OF BROKEN CONCRETE AT APPROVED DISPOSAL SITES.

THE REQUIRED ENVIRONMENTAL RESOURCE DOCUMENTATION SHALL INCLUDE THE FOLLOWING:

- BDE FORM 2289 (ENVIRONMENTAL SURVEY REQUEST)
- A LOCATION MAP SHOWING THE SIZE LIMITS AND LOCATION OF THE USE AREA
- SIGNED PROPERTY OWNER AGREEMENT FORM-D4 P10100
- COLOR PHOTOGRAPHS DEPICTING THE USE AREA
- BORROW ONLY ENTRY AGREEMENT FORM-D4 P10101

PLEASE NOTE THAT A MINIMUM OF TWO WEEKS SHALL BE ALLOWED FOR THE DISTRICT TO OBTAIN THE REQUIRED ENVIRONMENTAL CLEARANCES.

**SEEDING-SIDESLOPE RIPPING**

ALL SLOPES STEEPER THAN 3 TO 1 AND OVER 15 FT. (4.5 m) IN HEIGHT SHALL BE RIPPED. THIS SHALL CONSIST OF RIPPING BETWEEN 18 INCHES TO 24 INCHES (450 mm TO 600 mm) DEEP NORMAL TO THE SLOPE. THE INTERVAL OF RIPPING ALONG THE SLOPE SHALL BE 12 FT. (3.6 m). THIS SHALL BE DONE AFTER THE SEED BED HAS BEEN PREPARED BUT BEFORE ANY FERTILIZER OR SEED HAS BEEN APPLIED. THE FERTILIZER AND SEED SHALL BE APPLIED WITHIN A 24-HOUR PERIOD AFTER THE RIPPING HAS BEEN DONE. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE VARIOUS ITEMS OF SEEDING INVOLVED.

**AGGREGATE FOR DRIVEWAY REPLACEMENT**

THE MATERIAL USED FOR CONSTRUCTION OF PERMANENT AGGREGATE DRIVEWAYS SHALL BE GRAVEL OR CRUSHED STONE, AS DIRECTED BY THE ENGINEER, TO REPLACE IN KIND THE EXISTING AGGREGATE DRIVEWAYS.

NO ADDITIONAL COMPENSATION SHALL BE PROVIDED FOR THIS REQUIREMENT BUT SHALL BE CONSIDERED AS INCLUDED IN THE COST OF THE PAY ITEM FOR THE AGGREGATE AS SPECIFIED ON THE PLANS.

**LABORATORY TESTING OF HOT-MIX ASPHALT MIXES**

SOME AGGREGATE COMPOSITIONS PRODUCE INCONSISTENT RESULTS WHEN BURNED IN THE IGNITION OVEN. THE ENGINEER WILL DETERMINE WHETHER THE IGNITION OVEN OR AC NUCLEAR GAUGE WILL BE REQUIRED AFTER THE AGGREGATE SOURCES HAVE BEEN IDENTIFIED.

**HOT-MIX ASPHALT MIXTURE REQUIREMENTS**

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

LOCATION: CH 14	SURFACE	BASE COURSE	CL D PATCHES
MIXTURE USE(S):	HMA	HMA	
	SURFACE COURSE	BASE COURSE	
AC/PG:	PG 58-22	PG 58-22	PG 64-22
RAP% (MAX): **	15%	25%	25%
DESIGN AIR VOIDS:	4.0% @ N=50	4.0% @ N=50	4.0% @ N=50
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL 9.5 OR IL 12.5	IL 19.0	IL 19.0
FRICITION AGGREGATE:	MIXTURE C	N/A	N/A

\*\* IF RAP OPTION IS SELECTED, THE ASPHALT CEMENT GRADE MAY NEED TO BE ADJUSTED, THIS WILL BE DETERMINED BY THE MATERIALS ENGINEER.

**ORDERING LENGTH CONFIRMATION - DRAINAGE ITEMS**

THE CONTRACTOR SHALL CONSULT WITH THE ENGINEER IN REGARD TO THE EXACT LENGTH OF THE BOX/PIPE CULVERTS, STORM SEWERS, AND/OR PIPE DRAINS REQUIRED PRIOR TO ORDERING THESE ITEMS.

**EXISTING DRAINAGE PIPES CONNECTED TO NEW STRUCTURES**

IN ACCORDANCE WITH SECTION 602 OF THE STANDARD SPECIFICATIONS, THE CONNECTING OF EXISTING DRAIN TILES, PIPE CULVERTS, OR STORM SEWERS TO THE PROPOSED DRAINAGE SYSTEM STRUCTURES WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED AS INCLUDED IN THE PAY ITEMS PROVIDED.

**RIGHT-OF-WAY MARKERS**

WHEN INSTALLING RIGHT-OF-WAY MARKERS, CARE SHALL BE TAKEN TO NOT DISTURB ANY EXISTING PROPERTY/RIGHT-OF-WAY PINS. IF A PROPERTY/RIGHT-OF-WAY PIN IS FOUND AT THE LOCATION OF A PROPOSED RIGHT-OF-WAY MARKER, THE MARKER SHALL BE PLACED ONE (1) FOOT IN FRONT OF THE PIN.

**SETTING OF SECTION CORNER MONUMENTATION**

ALL SECTION CORNER LOCATIONS ON THIS PROJECT SHALL BE LOCATED AND VERIFIED BY A LICENSED LAND SURVEYOR PRIOR TO ANY REMOVAL WORK BEING PERFORMED. THE LAND SURVEYOR SHALL LOCATE THE EXISTING SECTION CORNERS THROUGH COURTHOUSE RESEARCH, PERSONAL KNOWLEDGE OR THROUGH THE ASSISTANCE OF LOCAL FIRMS PERFORMING LAND SURVEYING IN THE AREA. IF THE SECTION CORNER DOES NOT EXIST THROUGH EITHER ITS PHYSICAL LOCATION OR THROUGH TIES IN THE FIELD IT SHALL NOT BE RESET. THERE SHALL BE NO CALCULATING OF SECTION CORNERS ONTO A PROJECT REQUIRED.

ONCE THE PAVING AND STRIPING OPERATIONS HAVE BEEN PERFORMED THE SECTION CORNER SHALL BE RESET AT THE DIRECTION OF A LICENSED LAND SURVEYOR. IF ANY DIMENSIONS HAVE BEEN CHANGED, IT SHALL BE THE RESPONSIBILITY OF THE SURVEYOR TO FILE A NEW MONUMENT RECORD IN THE APPROPRIATE COURTHOUSE.

A COPY OF ALL DRAWINGS OR MONUMENT RECORDS PRODUCED FROM THIS PROJECT SHALL BE SENT TO THE CHIEF OF SURVEYS, ILLINOIS DEPARTMENT OF TRANSPORTATION, REGION THREE/DISTRICT FOUR, PEORIA, ILLINOIS.

THE SUPPLYING, DRILLING, SETTING OF DISKS, PROFESSIONAL SERVICES, LABOR AND ANY OTHER ADDITIONAL WORK REQUIRED TO PERFORM THIS WORK SHALL BE PAID FOR UNDER PAY ITEM FOR PERMANENT SURVEY MARKERS, TYPE I.

REFER TO DISTRICT FOUR CADD STANDARD 667101 FOR DETAILS.

**ENGINEERS FIELD OFFICE**

ADD THE FOLLOWING SENTENCE TO THE END OF PARAGRAPH 670.02 (I) AND 670.04 (E): ALL OF THE TELEPHONE LINES PROVIDED SHALL HAVE UNPUBLISHED NUMBERS.

**INFORMATION FOR SEALING ABANDONED WATER WELLS**

LOCATION	DIAMETER	DEPTH
IL 336 STA 733+51, 135' LT	36"	60'
TR 950E STA 3014+85, 55' LT	24"	60'

FILE NAME: \\transportation\2011\grading\plans\2011\06\021.dgn	USER NAME: phan	DESIGNED: -	REVISED: -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>FAP 407 (IL RTE 336) INDEX, LEGEND &amp; GENERAL NOTES</b>	F.A.P. RTE: 407	SECTION: (55-3)A	COUNTY: MCDONOUGH	TOTAL SHEETS: 671	SHEET NO.: 2	
PLT SCALE: 2,000,000 FT = IN.	PLT DATE: 12/17/2012	DRAWN: -	REVISED: -			SCALE: N/A		SHEET NO. 1 OF 1 SHEETS		STA. TO STA.	
		CHECKED: -	REVISED: -			ILLINOIS FED. AID PROJECT					
		DATE: 12-12-12	REVISED: -								