

**SOIL REPORT AVAILABILITY**

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

**AVAILABILITY OF ELECTRONIC FILES**

MICRO STATION AND GEOPAK FILES OF THIS PROJECT WILL BE MADE AVAILABLE TO THE CONTRACTOR AFTER CONTRACT AWARD. 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 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.

**PLAN ELEVATIONS - NAVD83 MEAN SEA LEVEL DATUM**

ALL ELEVATIONS SHOWN ON THE PLANS ARE ESTABLISHED FROM NAVD83 MEAN SEA LEVEL DATUM.

**COMMITMENTS**

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

**PROPERTY OWNER ACCESS REQUIREMENTS**

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.

**CRITICAL PATH WORK SCHEDULE REQUIREMENT**

THE CONTRACTOR WILL SUBMIT TO THE ENGINEER A SATISFACTORY PROGRESS SCHEDULE AND CRITICAL PATH SCHEDULE WHICH SHALL SHOW THE PROPOSED SEQUENCE OF WORK AT THE TIME OF THE PRE-CONSTRUCTION CONFERENCE.

**EARTH EXCAVATION - INCIDENTAL TO CURB, GUTTER, & DRIVEWAY**

EARTH EXCAVATION AND BACKFILL FOR PROPOSED CURB AND GUTTER AND DRIVEWAY PAVEMENTS SHALL BE INCLUDED IN THE UNIT COST OF THE VARIOUS ITEMS.

**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)
- BDE FORM 2290 (WASTE/USE AREA REVIEW)
- A LOCATION MAP SHOWING THE SIZE LIMITS AND LOCATION OF THE USE AREA
- COLOR PHOTOGRAPHS DEPICTING THE USE AREA
- BORROW AREA ENTRY AGREEMENT FORM-D4 P10101

PLEASE NOTE THAT A MINIMUM OF FOUR WEEKS SHALL BE ALLOWED FOR THE DISTRICT TO OBTAIN THE REQUIRED ENVIRONMENTAL CLEARANCES AND SIX WEEKS FOR THE REQUIRED BORROW SITE ENVIRONMENTAL CLEARANCES.

**SEEDING - SIDE SLOPE RIPPING**

ALL SLOPES STEEPER THAN 3 TO 1 AND OVER 15 FT IN HEIGHT SHALL BE RIPPED. THIS SHALL CONSIST OF RIPPING BETWEEN 18 INCHES TO 24 INCHES DEEP NORMAL TO THE SLOPE. THE INTERVAL OF RIPPING ALONG THE SLOPE SHALL BE 12 FT. THIS WORK 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.

**HMA MIXTURE REQUIREMENTS**

The following mixture requirements are applicable for this project:

Mixture Use(s):	Polymer Surface 1.5" & Shoulder Surface 1.5"	Polymer Level Binder 3/4"	Full Depth HMA Lower Blinder Courses (1 3/4" & 2 1/4")	Full Depth HMA Bottom Blinder Course & Class D Patch	HMA Shoulders Lower Lifts (4" & 2.5")	HMA Detour Widening (4" & 3")	Side Road Surface 2" & Incidental Surface
AC/PG:	SBS or SBR 76-28	SBS or SBR 76-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22
Design Air Voids:	4.0% @ N=50	4.0% @ N=50	4.0% @ N=50	4.0% @ N=50	4.0% @ N=50	4.0% @ N=50	4.0% @ N=50
Mixture Composition: (Mixture Gradation):	IL 9.5	IL 4.75	IL 9.5	IL 19.0	IL 19.0	IL 19.0	IL 9.5
Friction Aggregate:	Mix D	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
Quality Management Program:	QCQA	QCQA	QCQA	QCQA	QCQA	QCQA	QCQA

Note: 1) Individual lift thickness of each mix type will be no less than 3 times nominal maximum aggregate size and no more than 6 times nominal maximum aggregate size, unless otherwise approved by the Engineer.  
 2) For design purposes, mixture weight for all mixes is determined to be 112.0 lb/s.y.in., unless otherwise noted.  
 3) Sublot sizes for PFP and QCP mixes will be 1000 tons, unless otherwise agreed to by the Engineer and the paving contractor.

**PAVEMENT STATIONING NUMBERS & PLACEMENT**

THE CONTRACTOR SHALL PROVIDE LABOR AND MATERIALS REQUIRED TO IMPRINT PAVEMENT STATION NUMBERS IN THE FINISHED SURFACE OF THE PAVEMENT AND/OR OVERLAY. THE NUMBERS SHALL BE APPROXIMATELY 3/4 INCH WIDE, 5 INCHES HIGH AND 5/8 INCH DEEP.

THE PAVEMENT STATION NUMBERS SHALL BE INSTALLED AS SPECIFIED HEREIN:

INTERVAL - 200 FEET

BOTTOM OF NUMBERS - 6 INCHES (150 MM ) FROM THE INSIDE EDGE OF THE PAVEMENT MARKING

LOCATION:

- 2,3, & 5 LANE PAVEMENTS - RIGHT EDGE OF PAVEMENT IN DIRECTION OF INCREASING STATIONS
- MULTI-LANE DIVIDED ROADWAYS - OUTSIDE EDGE OF PAVEMENT IN BOTH DIRECTIONS
- RAMPS - ALONG BASELINE EDGE OF PAVEMENT

POSITION - STATIONS SHALL BE PLACED SO THEY CAN BE READ FROM THE ADJACENT SHOULDER

FORMAT - ENGLISH PAVEMENT STATIONS SHALL USE THIS FORMAT "XXX+XX WHERE X REPRESENTS THE PAVEMENT STATION

THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE CONSIDERED INCLUDED IN THE COST OF THE ASSOCIATED PAVEMENT AND/OR OVERLAY PAY ITEMS.

**PAVING SURFACE COURSE**

CONTINUOUS PAVING OPERATIONS ON THE MAIN ROADWAY SHALL BE MAINTAINED AT ALL TIMES DURING THE CONSTRUCTION OF THE HOT-MIX ASPHALT SURFACE. NO INTERRUPTIONS FOR ENTRANCES WILL BE ALLOWED.

**FINAL FINISH ON P.C. CONCRETE PAVEMENT, TYPE B**

A TYPE "B" FINAL FINISH, OBTAINED IN ACCORDANCE WITH ARTICLE 420.09(E)(2) OF THE STANDARD SPECIFICATIONS, SHALL BE PROVIDED FOR THE PORTLAND CEMENT CONCRETE PAVEMENT.

**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.

**TRANSITION PAYMENT METHOD - NEW/OLD CONSTRUCTION**

10 FT. TRANSITIONS SHALL BE USED TO MATCH PROPOSED ITEMS OF WORK TO EXISTING ITEMS IN THE FIELD UNLESS OTHERWISE SHOWN. THE TRANSITION SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEM OF WORK SPECIFIED.

**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.

**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.

**NO PASSING ZONE VERIFICATION**

THE RESIDENT SHALL CONTACT OPERATIONS TO VERIFY THE LOCATION OF NO PASSING ZONES PRIOR TO PLACEMENT OF CENTERLINE STRIPING.

**UTILITY LOCATIONS**

THE LOCATIONS OF EXISTING WATER MAINS, GAS MAINS, SEWERS, ELECTRICAL 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 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.

**PROJECT SPECIFIC GENERAL NOTES**

PROPOSED PAVEMENT MARKING PLANS ARE NOT INCLUDED. PAVEMENT MARKINGS SHALL BE PLACED PER DISTRICT STANDARD 780001-D4 AND HIGHWAY STANDARD 780001

THE PERMANENT SURVEY MARKERS, IF POSSIBLE, SHALL BE INSTALLED AT THE BEGINNING OF THE JOB AND PROTECTED THROUGHOUT THE PROJECT.

THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A DESCRIPTION OF LOCATION, ELEVATION, AND COORDINATES FOR EACH PERMANENT SURVEY MARKER. THE HORIZONTAL COORDINATES MUST BE DERIVED BY GPS AND THE ELEVATION DERIVED USING AN ELECTRONIC LEVEL. THE ENGINEER SHALL SUBMIT THIS INFORMATION TO THE DISTRICT CHIEF OF SURVEYS.

**HIGHWAY STANDARDS**

000001	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001	TEMPORARY EROSION CONTROL SYSTEMS
420001	PAVEMENT JOINTS
420401	PAVEMENT CONNECTOR (PCC) FOR BRIDGE APPROACH SLAB
420701	PAVEMENT WELDED WIRE REINFORCEMENT
482001	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
515001	NAME PLATE FOR BRIDGES
542401	METAL END SECTION FOR PIPE CULVERTS
630001	STEEL PLATE BEAM GUARDRAIL
630201	PCC HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
630301	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631031	TRAFFIC BARRIER TERMINAL, TYPE 6
666001	RIGHT OF WAY MARKERS
701001	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701311	LANE CLOSURE 2L, 2W MOVING OPERATIONS-DAY ONLY
701901	TRAFFIC CONTROL DEVICES
720001	SIGN PANEL MOUNTING DETAILS
720006	SIGN PANEL ERECTION DETAILS
720011	METAL POSTS FOR SIGNS, MARKERS & DELINEATORS
725001	OBJECT AND TERMINAL MARKERS
780001	TYPICAL PAVEMENT MARKINGS
781001	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
782006	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
B.L.R. 21	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON LOCAL RURAL HIGHWAYS
B.L.R. 22	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON LOCAL RURAL HIGHWAYS
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS >= 45MPH

**DISTRICT 4 STANDARDS**

205001-D4	SLOPE STEPS DETAIL
406101-D4	BUTT JOINTS
406301-D4	RURAL ENTRANCES FOR 3R PROJECTS
420401-D4	BRIDGE APPROACH DETAIL
540000-D4	DETAIL OF EXCAVATION AND BACKFILL FOR BOX CULVERTS
606101-D4	CONCRETE GUTTER, TYPE A, (SPECIAL) INLET, OUTLET & ENTRANCE
630101-D4	GUARDRAIL EROSION CONTROL TREATMENTS
667101-D4	PERMANENT SURVEY TIE & PERMANENT SURVEY MARKERS TY, I-TY, II
780001-D4	TYPICAL PAVEMENT MARKINGS

**STATUS OF UTILITIES**

NAME/ADDRESS OF UTILITY COMPANY	TYPE	LOCATION OF CONFLICT	ESTIMATED DATE OF RELOCATION
FRONTIER NORTH, INC.	FIBER OPTIC	RELOCATE FROM	UNKNOWN
111 SOUTH MAIN STREET KEWANEE, IL 61443 MR. TERRY SPURGEON	COMMUNICATIONS	RT STA 1426+00 TO RT STA 1445+00	
AMEREN ILLINOIS 8420 NORTH UNIVERSITY STREET PEORIA, IL 61615 MR. KENT KOWALSKE	6" BURIED GAS	RELOCATE FROM	UNKNOWN
AMEREN ILLINOIS 8420 NORTH UNIVERSITY STREET PEORIA, IL 61615 MR. JON REICK	AERIAL ELECTRIC	CAUTION FROM	UNKNOWN
	7.2 kV POWER	LT STA 1426+00 TO LT STA 1445+00	

(217) 422-8544  
 SCHAUMBURG  
 (630) 714-0050  
 ROCKFORD  
 (815) 499-0050  
 184-001397

**CHASTAIN & ASSOCIATES LLC**  
 CONSULTING ENGINEERS

FILE NAME :	USER NAME : jacobsmr	DESIGNED - CHASTAIN	REVISED -
pw:\planroom.dot\illinois.gov\PIDOT\Documents\IDOT Offices\District 4\Projects\D4.687\BROWN\to\CAD\Sheets\Chastain\D468758-shd\REVISED.dgn		CHECKED - CAS	REVISED -
Default	PLOT SCALE = 40.0000' / in.	DATE - 10/16	REVISED -
	PLOT DATE = 5/9/2019		

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**HIGHWAY STANDARDS & GENERAL NOTES**  
**ILLINOIS ROUTE 78**

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
							22	48(B-1BR;CRJ)	KNOX	94	2
CONTRACT NO. 68758											
ILLINOIS FED. AID PROJECT											