

GENERAL NOTES

- THE STANDARDS AND REVISIONS LISTED APPLY TO THIS PROJECT.
- ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO ALL UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:
 - CITY OF WATERLOO (ELECTRIC, WATER, & SEWER)
 - HARRISONVILLE TELEPHONE COMPANY
 - CHARTER COMMUNICATIONS, INC.
 - MONROE COUNTY ELECTRIC COOP.
 - AMEREN IP
 - MCI
 - MISSISSIPPI RIVER GAS TRANSMISSION
 MEMBERS OF J.U.L.I.E. (800) 892-0123 OR 811 ARE INDICATED BY *. NON-MEMBERS MUST BE NOTIFIED INDIVIDUALLY.
- THE RESIDENT ENGINEER SHALL VERIFY THE EXISTENCE OF HIGHWAY LIGHTING AND/OR I.T.S. UTILITIES WITHIN THE PROJECT LIMITS, IF HIGHWAY LIGHTING AND/OR I.T.S. EXISTS WITHIN THE PROJECT LIMITS, AND IF THESE ITEMS REQUIRE LOCATING, THE CONTRACTOR SHALL BE DIRECTED TO DO SO ACCORDING TO SECTION 803 OF THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE PAID FOR ACCORDING TO ARTICLE 803.04 OF THE STANDARD SPECIFICATIONS.
- EXISTING UNDERGROUND AND ABOVE-GRADE FACILITIES, STRUCTURES, AND UTILITIES HAVE BEEN PLOTTED ON THESE CONTRACT DOCUMENTS BASED UPON THE INFORMATION AND SURVEYS AVAILABLE AT THE TIME OF DRAWING PREPARATION. THE LOCATION OF THESE FEATURES MUST, THEREFORE, BE CONSIDERED APPROXIMATE ONLY. IN ADDITION, THERE MAY BE OTHER FACILITIES, STRUCTURES, AND UTILITIES WHICH DID NOT EXIST (OR THE EXISTENCE OF WHICH WAS NOT KNOWN) AT THE TIME OF DRAWING PREPARATION. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR(S) TO HAVE ALL EXISTING FACILITIES, STRUCTURES, AND UTILITIES LOCATED IN THE FIELD PRIOR TO ANY EXCAVATION OR CONSTRUCTION ACTIVITY; AND TO PROTECT ALL SUCH EXISTING FEATURES (EXCEPT THOSE SPECIFICALLY NOTED FOR REMOVAL OR DEMOLITION) DURING CONSTRUCTION.
- THE THICKNESS OF BITUMINOUS MIXTURE 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.
- "ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE PLACED AT ENTRANCES AND SIDE STREETS WHERE WORK IS BEING CONDUCTED AS DIRECTED BY THE RESIDENT ENGINEER. ALL CONSTRUCTION SIGNS SHALL BE FLUORESCENT ORANGE. THIS SHALL BE INCLUDED IN THE COST OF THE TRAFFIC CONTROL AND PROTECTION. THESE SIGNS SHALL BE 48" X 48".
- FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:

HOT-MIX ASPHALT BASE COURSE	0.056	TON/SQ YD/IN
HOT-MIX ASPHALT SURFACE COURSE	0.056	TON/SQ YD/IN
AGGREGATE (SURFACE, BASE, & BACKFILL)	2.05	TON/CU YD

BITUMINOUS MATERIALS:

PRIME COAT FOR BITUMINOUS CONCRETE:		
- ON PAVEMENT	0.0002	TON/SQ YD
- ON AGGREGATE	0.002	TON/SQ YD
- ON COLD MILLED SURFACE	0.0004	TON/SQ YD
- FOG COAT ON NEW BINDER	0.00012	TON/SQ YD
AGGREGATE (PRIME COAT)		
- ON EXISTING PAVEMENT	0.002	TON/SQ YD
- ON COLD MILLED SURFACE	0.002	TON/SQ YD
- FOG COAT ON NEW BINDER	0.001	TON/SQ YD
RIP RAP	1.5	TON/CU YD
SEEDING, CLASS 2A, 4A	200	LB/ACRE
TEMPORARY EROSION CONTROL SEEDING	100	LB/ACRE
NITROGEN FERTILIZER NUTRIENT	90	LB/ACRE
PHOSPHORUS FERTILIZER NUTRIENT	90	LB/ACRE
POTASSIUM FERTILIZER NUTRIENT	90	LB/ACRE
MULCH	2	TON/ACRE
- CONNECTING OF NEW OR EXISTING PIPE DRAINS TO NEW OR EXISTING INLETS OR MANHOLES SHALL BE MADE IN A MANNER WHICH RESULTS IN A NEAT AND WATERTIGHT JOINT. WHEN PLACED THROUGH THE WALL OF AN INLET OR MANHOLE, PIPE DRAINS SHALL BE PLACED (OR CUT) FLUSH WITH THE FACE OF THE WALL AND DRESSED WITH MORTAR TO PROVIDE A SMOOTH ROUNDED OR BEVELED EDGE. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED AS INCLUDED IN THE CONTRACT UNIT PRICES OF THE PIPE DRAINS OR STRUCTURES INVOLVED.
- ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE SEEDED AT THE CONTRACTOR'S EXPENSE.

- TREES SHALL BE PRESERVED THROUGHOUT THIS SECTION AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER. GENERALLY, TREES OUTSIDE THE CLEAR ZONE, AND WHICH DO NOT INTERFERE WITH CONSTRUCTION, SHALL NOT BE DISTURBED. THE ENGINEER SHALL BE CONTACTED AND PRIOR APPROVAL OBTAINED FOR ANY TREE REMOVAL BEYOND THE LIMITS/LOCATIONS INCLUDED IN THE PLANS.
- THE CONTRACTOR SHALL BE REQUIRED TO COMPLY WITH THE PROVISIONS OF THE NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) STORM WATER PERMIT AND IMPLEMENT THE EROSION CONTROL PLAN INCLUDED IN THESE PLANS AND SPECIFIED HEREIN. AS SPECIFIED IN ARTICLE 107.23, THE ENGINEER MUST GIVE PRIOR APPROVAL BEFORE DISTURBANCE OF ANY AREA CAN BEGIN.
- 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 INCHES WIDE, 5 INCHES HIGH AND 5/8 INCHES DEEP. THE PAVEMENT STATION NUMBERS SHALL BE INSTALLED AS SPECIFIED HEREIN:

INTERVAL - 250 FEET

BOTTOM OF NUMBERS - 12 INCHES FROM THE EDGE OF THE PAVEMENT

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 - "XX+XX", WHERE X REPRESENTS THE PAVEMENT STATION

THE STAMPED STATIONS SHALL BE FILLED WITH SAND IMMEDIATELY AFTER STAMPING AND PRIOR TO ADDITIONAL ROLLING.

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.
- REMOVAL AND DISPOSAL OF ANY EXISTING PIPE UNDERDRAIN SYSTEM EXPOSED DURING CONSTRUCTION SHALL BE PAID PER FOOT AS PIPE UNDERDRAIN REMOVAL WHEN ENCOUNTERED DURING CONSTRUCTION ACTIVITIES. WHERE EXISTING PIPE UNDERDRAIN SYSTEM IS NOT DISTURBED IT SHALL BE LEFT IN PLACE.
- FOR STABILIZATION ALL TYPE III BARRICADES SHALL REQUIRE AN ADEQUATE NUMBER OF SANDBAGS PER BARRICADE TO ENSURE STABILIZATION.
- ALL TEMPORARY PAVEMENT MARKING WILL BE PLACED IN SUCH A MANNER SO AS NOT TO INTERFERE WITH THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
- IT IS THE CONTRACTOR'S OPTION TO USE THE MATERIAL TRANSFER DEVICE (MTD). THE PAY ITEM FOR THE MTD WILL NOT BE INCLUDED IN THIS CONTRACT.
- ALL EXISTING AND PROPOSED RIGHT-OF-WAY LINES AND PROPERTY LINES SHOWN ON THE PLAN SHEETS ARE GRAPHICAL REPRESENTATIONS AND SHALL NOT BE USED AS A MEANS TO ESTABLISH OWNERSHIP. IN ALL MATTERS RELATING TO RIGHT-OF-WAY, THE PLAT OF HIGHWAYS SHALL BE THE CONTROLLING DOCUMENT.

IF ANY SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED OR RESURFACED OVER. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER, AN AUTHORIZED SURVEYOR, OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION.
- ARCHAEOLOGY MAY BE ONGOING. CONTRACTOR WILL NEED TO WORK WITH THE RE ON WHAT AREAS ARE CLEARED AND WORK AROUND ARCHAEOLOGY SITES UNTIL CLEARED.
- AN EXISTING HANDHOLE AND LOOP COUNT STATION EXISTS ALONG ILLINOIS ROUTE 3 AT STATION 1971+55.36, 32.24' LT. THIS ITEM SHALL BE REMOVED IN ITS ENTIRETY AND PAID FOR AS REMOVE EXISTING HANDHOLE.
- THE RIGHT OF WAY MARKER SHALL BE INSTALLED SO THAT THE BACK OF THE POST IS TWELVE INCHES (12") INSIDE THE RIGHT OF WAY BOUNDARY. THE RIGHT OF WAY MARKER SHALL BE A WITNESS TO THE RIGHT OF WAY CORNER WHICH IS THE PROPERTY PIN. THE RIGHT OF WAY CORNER OR PROPERTY PIN IS A 5/8" IRON ROD WITH IDOT ALUMINUM CAP THAT SHALL NOT BE REMOVED, DAMAGED, OR DISTURBED WHEN SETTING THE RIGHT OF WAY MARKER AT THE TWELVE INCHES (12") OFFSET.

- SAW CUTTING ON ALL EDGES FOR REMOVAL ITEMS SHALL BE INCLUDED IN THE COST OF THE REMOVAL ITEM AS INDICATED AND IN ACCORDANCE WITH SECTION 440 OF THE STANDARD SPECIFICATIONS.

COMMITMENTS

- FIELD ENTRANCES WILL BE AGGREGATE AND CONSTRUCTED WITH A DRIVING SURFACE WIDTH OF 30'. FIELD ENTRANCES WILL BE CONSTRUCTED OR RECONSTRUCTED AT THE FOLLOWING LOCATIONS:

IL ROUTE 3 STATIONS
1972+12.19 LEFT
1985+58.25 LEFT

VANDEBROOK STATIONS
280+25.00 RIGHT AND LEFT
282+25.00 RIGHT AND LEFT
293+40.00 RIGHT AND LEFT
- THE ENGINEER WILL MAKE THE CONTRACTOR AWARE OF THE EXISTENCE OF A 12" UNDERGROUND PIPE, COMMONLY REFERRED TO AS A 12" PIPE-SLEEVE, CONSTRUCTED WITH THE ORIGINAL FAP ROUTE 312, SECTION 68R-1-4, AT THE REQUEST OF KENNETH HARTMAN, SR. SAID PIPE-SLEEVE WAS TO BE USED IN THE FUTURE FOR POSSIBLE WATER LINE INSTALLATION AND ITS APPROXIMATE LOCATION IS BETWEEN THE STATIONS OF 1981+00 AND 1986+00.

SHOULD THE LOCATION OF THE PIPE-SLEEVE BE DISCOVERED INTENTIONALLY OR ACCIDENTLY PRIOR TO CONSTRUCTION ACTIVITIES OR DURING CONSTRUCTION ACTIVITIES THE CONTRACTOR AT THE DIRECTION OF THE ENGINEER SHALL EXTEND THE PIPE-SLEEVE. THE ENGINEER SHALL ALSO DIRECT THE CONTRACTOR TO PROVIDE MR. KENNETH HARTMAN, JR. WITH A PLAN SHEET INDICATING THE LOCATION OF THE PIPE-SLEEVE AS EXTENDED.

MIXTURE DESIGNS

LOCATION:	VANDEBROOK DRIVE	SOUTH MARKET STREET	SOUTH MARKET STREET
	SOUTH MARKET STREET	IL ROUTE 3	IL ROUTE 3
MIXTURE USE(S):	POLY SURFACE	POLY BINDER	BINDER
AC/PG:	SBS PG 76-22	SBS PG 76-22	PG 64-22
RAP% (MAX): **	SEE SPEC	SEE SPEC	SEE SPEC
DESIGN AIR VOIDS:	4.0% @ Ndes = 90	4.0% @ Ndes = 90	4.0% @ Ndes = 90
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL 12.5/9.5	IL 19.0 FG	IL 19.0 FG
FRICTION AGGREGATE	MIXTURE "D"	MIXTURE "B"	MIXTURE "B"

LOCATION:	SOUTH MARKET STREET	VANDEBROOK DRIVE	SOUTH MARKET STREET
	IL ROUTE 3	SOUTH MARKET STREET	IL ROUTE 3
MIXTURE USE(S):	BSE CSE/WIDENING	SHOULDERS > 2.25"	SHOULDERS < 2.25"
AC/PG:	PG 64-22	PG 64-22	PG 64-22
RAP% (MAX): **	SEE SPEC	SEE CONTRACT RAP	SEE CONTRACT RAP
DESIGN AIR VOIDS:	4.0% @ Ndes = 90	SPECIAL PROVISION	SPECIAL PROVISION
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL 19.0 FG	**2.0% @ Ndes = 30	**2.0% @ Ndes = 30
FRICTION AGGREGATE	MIXTURE "B"	NMAS 3/4"	NMAS 1/2"

LOCATION:	SOUTH MARKET STREET	SOUTH MARKET STREET	SHARED USE PATH
	IL ROUTE 3	IL ROUTE 3	
MIXTURE USE(S):	PATCHING	INCIDENTAL SURF	BIKE TRAIL
AC/PG:	PG 64-22	PG 64-22	PG 64-22
RAP% (MAX): **	SEE SPEC	SEE SPEC	SEE SPEC
DESIGN AIR VOIDS:	4.0% @ Ndes = 90	4.0% @ Ndes = 90	4.0% @ Ndes = 50
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL 19.0	IL 19.0	IL 12.5/9.5
FRICTION AGGREGATE	MIXTURE "B"	MIXTURE "C"	MIXTURE "C"

** TOP LIFT SHOULDER - DESIGN THIS MIX AT 2.0% VOIDS AND ADD ASPHALT TO REDUCE VOIDS TO 1.5%.

LAST SAVED = 11/19/2012 9:52:03 AM
 PEN TABLE = 98-HotCal
 PLOT DRIVER = PLOTDRIVER19

FILE NAME =	USER NAME = berjochman	DESIGNED -	REVISED -
J:\10011001\Phase II - 76F51\CD\VT\Plans	02_0876F51-sht-genote.dgn	DRAWN -	REVISED -
	PLOT SCALE = 1/8"=1'-0"	CHECKED -	REVISED -
	PLOT DATE = 11/19/2012 9:52:03 AM	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**HORNER &
SHIFRIN, INC
ENGINEERS**

**GENERAL NOTES, COMMITMENTS
AND MIXTURE DESIGNS**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

* FAP 312 / FAU 9321 / FAU 9324

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	68-R-1	MONROE	192	2
CONTRACT NO. 76F51				
ILLINOIS FED. AID PROJECT				