

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	**	MACOUPIN	231	2
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

\* FAP 325 (IL 16) & FAP 604 (IL 159)  
\*\* 14R; 115RS-2; 116RS-4; 101RS-2

GENERAL NOTES

- ALL OF THE DISTURBED AREAS WITHIN THE RIGHT OF WAY NOT COVERED BY SURFACING MATERIAL SHALL BE SEEDED.
- CONTRACTOR SHALL PROVIDE ADEQUATE DRAINAGE AND EROSION PROTECTION FOR THE DURATION OF THIS PROJECT.
- SEEDING WILL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDED SHALL BE DETERMINED BY THE ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE JULIE NUMBER IS 800-892-0123. A MINIMUM OF FORTY-EIGHT HOURS ADVANCE NOTICE IS REQUIRED. ANY DAMAGE TO THE UNDERGROUND FACILITIES, CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF THE DEPARTMENT AT THE CONTRACTOR'S EXPENSE, INCLUDING TEMPORARY REPAIRS WHICH MAY BE REQUIRED TO KEEP THE FACILITY OPERATIONAL WHILE MATERIAL IS BEING OBTAINED TO MAKE PERMANENT REPAIRS.
- THE LOCATIONS OF THOSE BURIED AND ABOVEGROUND UTILITIES SHOWN ARE APPROXIMATE, ARE SHOWN FOR CONTRACTOR INFORMATIONAL USE ONLY, AND ARE NOT TO BE REFERENCED FOR CONSTRUCTIONS PURPOSES. THE IMPLIED PRESENCE OR ABSENCE OF UTILITIES IS NOT TO BE CONSTRUED BY THE OWNER, ENGINEER, CONTRACTOR, OR SUBCONTRACTORS TO BE AN ACCURATE AND COMPLETE REPRESENTATION OF UTILITIES THAT MAY OR MAY NOT EXIST ON THE CONSTRUCTION SITE. BURIED AND ABOVEGROUND UTILITY LOCATION, IDENTIFICATION, AND MARKING ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR. REROUTING, DISCONNECTION, PROTECTION, ETC. OF ANY UTILITIES MUST BE COORDINATED BETWEEN THE CONTRACTOR, UTILITY COMPANY, AND OWNER, SITE SAFETY, INCLUDING THE AVOIDANCE OF HAZARDS ASSOCIATED WITH BURIED AND ABOVEGROUND UTILITIES, REMAINS THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- 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.
- BEFORE ORDERING PIPE CULVERTS OR PIPE DRAINS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR EXACT LENGTHS.
- AGGREGATE (PRIME COAT): FA 20 MAY BE USED IN ADDITION TO THE GRADATIONS LISTED IN THE 2ND PARAGRAPH OF ARTICLE 1003.03(c).
- FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SANDBAGS PER BARRICADE.
- WHERE SECTION OR SUBSECTION 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 SUBSECTION MONUMENTS DESTROYED BY HIS OPERATIONS.

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

GRANULAR MATERIALS	2.05	TONS/CU YD
BITUMINOUS MATERIAL (PRIME COAT)	0.00038	TON/SQ YD
BITUMINOUS CONCRETE SURF CSE	112	LBS/SQ YD/IN
BITUMINOUS CONCRETE BINDER CSE	112	LBS/SQ YD/IN
AGGREGATE (PRIME COAT)	0.002	TON/SQ YD

- ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER LISTED ON THE INDEX OF SHEETS OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.
- UNLESS NOTED OTHERWISE, STATIONS AND OFFSETS REFER TO CENTERLINE OF PROJECT.
- EVERY TREE SHALL BE SAVED IF POSSIBLE. THE ENGINEER IN THE FIELD WILL VERIFY AND MARK ALL TREES REQUIRED TO BE REMOVED. SHOULD THE ENGINEER'S DECISION INCREASE OR DECREASE THE QUANTITIES OF WORK TO BE PERFORMED FROM THE PLANS, THE CONTRACTOR SHALL ACCEPT PAYMENT AS STATED IN ARTICLE 104.02 OF THE STANDARD SPECIFICATIONS. TREES OUTSIDE THE LIMITS OF CONSTRUCTION SHALL NOT BE DISTURBED UNLESS DESIGNATED BY THE ENGINEER.
- IN ADDITION TO FIELD SURVEYS AND AERIAL 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 FOR ADDITIONAL COMPENSATION DUE TO A CHANGE IN THE SCOPE OF THE WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
- THE GRADING AND SHAPING OF THE DITCHES SHALL BE DONE IN SUCH A MANNER TO ESTABLISH POSITIVE FLOW BETWEEN DRAINAGE STRUCTURES, OR BETWEEN THE EXISTING ELEVATION AT THE UPSTREAM END OF THE GRADING TO THE DOWNSTREAM DRAINAGE STRUCTURE.
- EARTH EXCAVATION NECESSARY TO CONSTRUCT BITUMINOUS SHOULDERS 8", BITUMINOUS BASE COURSE, SUPERPAVE, 9", AND BITUMINOUS BASE COURSE WIDENING, SUPERPAVE, 9" SHALL BE PAID FOR AS EARTH EXCAVATION WIDENING AS SPECIFIED IN SECTION 202 OF THE STANDARD SPECIFICATIONS.

COMMITMENTS:

A VERBAL COMMITMENT WITH LUMBER YARD PERSONNEL NOT TO REMOVE ADDITIONAL ENTRANCES BETWEEN LT STA 187+00 AND LT STA 191+00 WHICH ARE NOT IN USE AT THIS TIME. THE LUMBER YARD HAS PLANS OF USING THESE ENTRANCES IN THE FUTURE.

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IL 159 / IL 16			ALTON ST		
STRUCTURAL DESIGN TRAFFIC:	Year 2021		STRUCTURAL DESIGN TRAFFIC:	Year 2021	
PV= 90.5%	SU= 3.7%	MU= 5.8%	PV= 95.0%	SU= 0.0%	MU= 5.0%
ROAD/STREET CLASSIFICATION:	Class II		ROAD/STREET CLASSIFICATION:	Class III	
PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:			PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:		
P= 50.0%	S= 50.0%	M= 50.0%	P= 50.0%	S= 50.0%	M= 50.0%
TRAFFIC FACTOR:	Actual TF = 0.8		TRAFFIC FACTOR:	Actual TF = 0.3	
SUBGRADE SUPPORT RATING:	POOR		SUBGRADE SUPPORT RATING:	POOR	

IDOT DISTRICT 6	
EXAMINED	May 27, 2006
<i>[Signature]</i>	
OPERATIONS ENGINEER	
EXAMINED	April 27, 2006
<i>[Signature]</i>	
PROJECT IMPLEMENTATION ENGINEER	
EXAMINED	April 27, 2006
<i>[Signature]</i>	
PROGRAM DEVELOPMENT ENGINEER	

The following mixture requirements are applicable for this project:

Mix No.	No. 1	No. 2	No. 3	No. 4	No. 5	No. 6
Mixture Use(s)	Bituminous Surface	Level Binder	Incidental Surface	Bituminous Binder Course	Bituminous Shoulders	Bituminous Base Course
AC/PG:	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 58-22	PG 64-22
RAP %: (Max)	15%	20%	15%	20%	15%	20%
Design Air Voids:	4.0 @ Ndesign = 50	4.0 @ Ndesign = 50	4.0 @ Ndesign = 50	4.0 @ Ndesign = 50	2.0 @ Ndesign = 30	4.0 @ Ndesign = 50
Mixture Composition: (Gradation Mixture)	IL 9.5 or 12.5	IL 9.5	IL 9.5 or 12.5	IL 19.0	BAM	IL 19.0
Friction Aggregate:	MIX "D"	N/A	MIX "C"	N/A	N/A	N/A

THE TOP LIFT OF ALL BITUMINOUS SHOULDERS SHALL USE BITUMINOUS CONCRETE SURFACE COURSE SUPERPAVE, IL 9.5, (LOW ESAL)

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		GENERAL NOTES FAP 325 (IL 16) & FAP 604 (IL 159) SECTION 14R, 115RS-2, 116RS-4, 101RS-2 MACOUPIN COUNTY
SCALE:	VERT. DATE	DRAWN BY CHECKED BY