

FAI ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
64	82-BRS-1	ST. CLAIR	39	2
STA.		TO STA.		
CONTRACT NO.: 76037				

INDEX OF SHEETS

1. COVER SHEET
2. INDEX OF SHEETS, STANDARDS, GENERAL NOTES AND COMMITMENTS
- 3-5. SUMMARY OF QUANTITIES
6. TYPICAL SECTIONS
7. MISCELLANEOUS SCHEDULES
8. PATCHING SCHEDULES AND DETAILS
- 9-15. PLAN SHEETS
- 16-22. PAVEMENT MARKING SHEETS
23. PAVEMENT MARKING SCHEDULE AND DETAILS
24. MISCELLANEOUS DETAILS
25. JOINT DETAILS
- 26-28. STRUCTURE PLANS SN 082-0186
- 29-31. STRUCTURE PLANS SN 082-0187
- 32-34. STRUCTURE PLANS SN 082-0188
- 35-37. STRUCTURE PLANS SN 082-0189
- 38-39. STRUCTURE PLANS SN 082-0185

GENERAL NOTES

1. THE STANDARDS AND REVISIONS LISTED APPLY TO THIS PROJECT.
2. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE TO BE GIVEN TO UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:
 - AMEREN IP (ELECTRIC AND GAS)
 - CHARTER COMMUNICATIONS, INC.
 - MID AMERICA ST. LOUIS AIRPORT (GAS, ELECTRIC, WATER, SANITARY SEWER AND COMMUNICATIONS)
 - SLM WATER COMMISSION
 - VERIZON NORTH, INC

(MEMBERS OF J.U.L.I.E. (800) 892-0123 ARE INDICATED BY *. NON J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.)
3. IF SECTION OR SUB-SECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. 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.
4. THE THICKNESS OF BITUMINOUS MIXTURES SHOWN IN THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING BASE OR SURFACE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.
5. THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE TO THIS PROJECT:

MIXTURE USE	STONE MATRIX ASP	BINDER	PART. DEPTH PATCHING	I-64 SHOULDERS	TOPLIFT SHOULDERS	INCIDENTAL SURFACE
AC/PG	SBS-PG 76-22	SBS-PG 70-22	PG 64-22	PG 58-22	PG 58-22	PG 64-22
RAP% (MAX)	0%	0%	0%	30%	30%	0%
DESIGN AIR VOIDS	4.0% @ Ndes=80	4.0% @ Ndes=105	4.0% @ Ndes=105	2.0% @ Ndes=30	**2.0% @ Ndes=30	4.0% @ Ndes=105
MIX COMPOSITION (GRADATION MIXTURE)						
FRICTION AGG	SMA	MIXTURE "B"	MIXTURE "C"	BAM	BAM	MIXTURE "C"

**TOPLIFT SHOULDERS - DESIGN THIS MIX AT 2.0% VOID AND ADD ASPHALT TO REDUCE VOIDS TO 1.5%.
PLAN QUANTITIES FOR BITUMINOUS CONCRETE SURFACE COURSE ITEMS ARE CALCULATED USING A UNIT WEIGHT OF 112 LB./SQ YD/IN THICKNESS.

6. THE CONTRACTOR SHALL BE AWARE THAT EXCAVATION IN THE CHANNEL AT THE SILVER CREEK AND L SILVER CREEK STRUCTURES MAY BE REQUIRED IN ORDER TO PLACE THE PROPOSED RIPRAP. MATERIAL EXCAVATED FOR THE PLACEMENT OF THE RIPRAP MAY BE USED TO FILL IN EXISTING SCOUR AREAS AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST FOR STONE RIPRAP CLASS A5.
7. A MINIMUM VERTICAL CLEARANCE OF 16'-0" MUST BE MAINTAINED FOR ALL OVERHEAD STRUCTURES.
8. THE ESTIMATED QUANTITY OF MILLED MATERIALS FROM THIS PROJECT IS 8100 TONS
9. THE BITUMINOUS SURFACE REMOVAL OPERATION SHALL BE COMPLETED PRIOR TO THE PARTIAL DEPTH PATCHING OPERATION. ALL FULL DEPTH PATCHING SHALL BE COMPLETED PRIOR TO STARTING THE BITUMINOUS SURFACE REMOVAL OPERATION.
10. THE CONTRACTOR SHALL BE AWARE THAT THERE ARE PCC PATCHES WITHIN THE PROJECT LIMITS. THESE PATCHES SHALL BE MILLED 1 1/2" AS PART OF THE 'BITUMINOUS SURFACE REMOVAL 1 1/2"' OPERATION. THE COST FOR MILLING THE PCC PATCHES SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR 'BITUMINOUS SURFACE REMOVAL 1 1/2"' AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
11. THE QUANTITY FOR THE PIPE UNDERDRAIN 4" IS BASED ON THE PROJECT LENGTH MULTIPLIED BY A FACTOR OF TWO. ONLY THE OUTSIDE (RIGHT) LANES OF BOTH EASTBOUND AND WESTBOUND SHALL RECEIVE NEW UNDERDRAINS. THE PIPE UNDERDRAIN 4" (SPECIAL) QUANTITY IS COMPUTED PER ARTICLE 601.04 OF THE STANDARD SPECIFICATIONS USING AN ESTIMATED LENGTH OF 20' PER OUTLET.
12. THE CONTRACTOR AND THE ENGINEER SHALL BE AWARE THAT NO SURVEY WAS PERFORMED FOR THIS PROJECT. THE STATIONING AND TOPO SHOWN IN THE PLANS WAS CREATED USING MICROFILM AND FIELD MEASUREMENTS MADE BY DESIGN PERSONNEL. BOTH SHALL BE ASSUMED TO BE APPROXIMATE.
13. ANY FENCING REMOVED BY THE CONTRACTOR SHALL BE RE-ERECTED AT THE CONTRACTOR'S EXPENSE. ANY FENCING THAT CAN NOT BE RE-ERECTED SHALL BE REPAIRED OR REPLACED AT THE CONTRACTOR'S EXPENSE
14. SHORT TERM PAVEMENT MARKING PLACED ON MILLED SURFACES SHALL NOT CONSIST OF TAPE. ONLY PAINT WILL BY ALLOWED.
15. EXISTING FRAMES & GRATES LOCATED AT THE BRIDGE APPROACHES SHALL BE ADJUSTED TO MATCH THE FINAL SHOULDER SURFACE GRADE, AS DIRECTED BY THE ENGINEER. FRAMES & GRATES SHALL BE CLEAN AND FREE OF DEBRIS. THIS WORK WILL BE PAID FOR AS 'FRAMES AND GRATES TO BE ADJUSTED'.
16. THE CONTRACTOR SHALL PLACE 'FURNISHED EXCAVATION' AT THE CULVERT HEADWALLS WHICH EXTEND 4" OR MORE ABOVE GRADE AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE COST FOR AGGREGATE SHOULDER TYPE B.

17. TWO (2) PORTABLE CHANGEABLE MESSAGE SIGNS HAVE BEEN INCLUDED AND WILL BE PLACED AT LOCATIONS DESIGNATED BY THE ENGINEER. NO ADDITIONAL PAYMENT WILL BE MADE FOR ANY RELOCATIONS OF THE SIGNS.
18. SPEED LIMIT PHOTO ENFORCEMENT SIGNS MAY BE REQUIRED ON THIS PROJECT. IF REQUIRED, THE SIGNS WILL BE PROVIDED BY IDOT OPERATIONS. METHOD OF INSTALLATION TO BE PROVIDED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE TRAFFIC CONTROL PAY ITEMS.
19. ONCE THE CONTRACTOR PERFORMS THE BITUMINOUS SURFACE REMOVAL, HE SHALL HAVE 14 CALENDAR DAYS TO COMPLETE THE PARTIAL DEPTH PATCHING, PLACEMENT OF UNDERDRAINS AND PLACEMENT OF BITUMINOUS CONCRETE BINDER COURSE. IF THE CONTRACTOR FAILS TO COMPLY, HE WILL BE SUBJECT TO LIQUIDATED DAMAGES AS SPECIFIED IN ARTICLE 108.09 OF THE STANDARD SPECIFICATIONS.
20. NO OVERNIGHT (DUSK TO DAWN) LANE CLOSURES WILL BE ALLOWED FROM DECEMBER 1 TO APRIL 1 OF ANY YEAR.
21. THE REMOVAL OF ANY ITEM REQUIRED FOR THE EXPANSION JOINT REPLACEMENT WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR POLYMER CONCRETE.
22. ANY PARTIAL DEPTH PATCHING ENCRDACHING OVER THE CENTERLINE SHALL BE COMPLETED THE SAME DAY THE PARTIAL DEPTH REMOVAL WAS PERFORMED.
23. ALL REFERENCES TO 'FORMED CONCRETE REPAIR' SHOWN IN THE PLANS SHALL BE INTERPRETED AS 'STRUCTURAL REPAIR OF CONCRETE'. (SEE GUIDE BRIDGE SPECIAL PROVISION 'STRUCTURAL REPAIR OF CONCRETE')
24. A QUANTITY FOR DECK SLAB REPAIR (FD) HAS BEEN INCLUDED. LOCATIONS TO BE DETERMINED BY THE ENGINEER.

HIGHWAY STANDARDS

280001-02	701201-02
442001-02	701400-02
601001	701401-03
601101	702001-06
630001-06	780001-01
631033-01	781001-02
635001	
635006-02	
635011-01	
642001	

COMMITMENTS

SN 082-0186, SN 082-0187, SN 082-0188 AND SN 082-0189 ARE LOCATED WITHIN AN IDENTIFIED WETLAND AREA. IF REQUIRED, TREES TO BE REPLACED IN THESE AREAS SHALL BE REPLACED AT A RATIO OF 5:1. (SEE SPECIAL PROVISION FOR 'TREE REMOVAL AND REPLACEMENT')

SEEDING, IF REQUIRED, IN THESE AREAS SHALL CONSIST OF SEEDING, CLASS 7 SPECIAL, CONSISTING OF ANNUAL RYEGRASS OATS (REDTOP). (SEE SPECIAL PROVISIONS FOR 'SEEDING CL 7, SPECIAL')

THE CONTRACTOR WILL NOT BE ALLOWED TO CONSTRUCT ANY TYPE OF HAUL ROAD LOCATED WITHIN THE WETLANDS IN ORDER TO FACILITATE THE PLACEMENT OF RIP RAP. WHEN ACCESSING THE WETLAND, HE SHALL TAKE EVERY PRECAUTION TO MINIMIZE IMPACTS TO THE WETLANDS. (SEE SPECIAL PROVISIONS FOR 'SEEDING CL 7, SPECIAL' AND 'TREE REMOVAL AND REPLACEMENT')

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
INDEX OF SHEETS,
STANDARDS, GENERAL NOTES
AND COMMITMENTS
FAI ROUTE 64
SECTION 82-BRS-1
ST. CLAIR COUNTY

DRAWN BY:

PLOT DATE: 04/11/2011 10:11:11 AM