FAS ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
1197	105 BR-2 & 105-T	WHITESIDE	59	8
STA.	TO STA.			

EXISTING CONDITIONS:

CONTRACT 64421

GENERAL NOTES

1. SEE CROSS SECTIONS FOR SPECIAL DITCHES AND BACKSLOPES.

2. AT THE LOCATIONS WHERE EXCAVATION QUANTITIES ON THE PLANS ARE INDICATED AS HAVING BEEN ESTIMATED, THE ENGINEER WILL OBTAIN ORIGINAL AND FINAL CROSS SECTIONS TO DETERMINE PAY QUANTITIES.

3. THE REMOVAL OF BITUMINOUS SURFACING NOT ON A RIGID TYPE BASE REMOVED IN CONJUNCTION WITH THE BASE SHALL BE REMOVED AS EARTH EXCAVATION. THE REMOVAL OF BITUMINOUS SURFACING ON A RIGID TYPE BASE REMOVED IN CONJUNCTION WITH THE BASE SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR PAVEMENT REMOVAL.

4. THE CONTRACTOR SHALL SEED ALL DISTURBED AREAS WITHIN THE PROJECT LIMITS. SEEDING CLASS 4 OR 6 (MODIFIED) SHALL BE USED, EXCEPT IN FRONT OF PROPERTIES WHERE THE GRASS WILL BE MOWED, THEN USE SEEDING, CLASS 1 (MODIFIED). CLASS 6 (MODIFIED) SHALL BE USED ON FRONT SLOPES AND DITCH BOTTOMS. CLASS 4 SHALL BE USED BEHIND TYPE A GUTTER, ON ALL BACKSLOPES AND AREAS BEHIND THE BACKSLOPE, AND BEYOND THE TOE OF FRONT SLOPE ON FILL SECTIONS WITHOUT DITCHES.

5. FERTILIZER NUTRIENTS SHALL BE APPLIED AT THE RATE SPECIFIED IN SECTIONS 250 AND 252 OF THE STANDARD SPECIFICATIONS. THIS SHALL BE INCLUDED IN THE COST OF THE SEEDING OR SODDING.

6. WHEN MULCH WITH EMULSIFIED ASPHALT IS APPLIED, IT WILL BE THE CONTRACTOR'S RESPONSIBILITY TO COVER OR PROTECT ALL TRAFFIC SIGNS, GUARDRAIL AND CURBS. ANY SIGNS, GUARDRAIL OR CURBS WHICH BECOME COVERED WITH ASPHALTIC MATERIAL SHALL BE CLEANED BY THE CONTRACTOR AT HIS OWN EXPENSE.

7. MULCH ON TEMPORARY SEEDING SHALL BE MULCH METHOD 2. THE QUANTITIES FOR MULCH METHOD 2 INCLUDES BOTH TEMPORARY AND PERMANENTLY SEEDED AREAS.

8. PREVIOUSLY PUGMILLED STOCKPILES OF "TYPE A" OLDER THAN 1 MONTH WILL NOT BE APPROVED FOR USE UNTIL A MOISTURE CHECK IS RUN TO VERIFY MOISTURE CONTENT. MATERIAL SHIPPED TO PROJECTS WITHOUT BEING TESTED WILL NOT BE ACCEPTED.

9. THE SUBGRADE ON THIS PROJECT, EXCLUSIVE OF ROCK CUT AREAS IS SCHEDULED TO BE IMPROVED TO A 12" DEPTH ACCORDING TO MECHANISTIC PAVEMENT DESIGN. THE AREAS SCHEDULED TO BE IMPROVED TO A DEPTH GREATER THAN 12" ARE ESTIMATED BASED ON THE ORIGINAL GEOTECHNICAL INVESTIGATION. THE SUBGRADE SHALL BE PROCESSED IN ACCORDANCE WITH ARTICLE 301.03 OF THE STANDARD SPECIFICATIONS BEFORE THE ENGINEER SHALL DETERMINE THE LIMITS AND THE ADDITIONAL THICKNESS OF IMPROVEMENT REQUIRED, IF ANY.

10. EXCEPT FOR THE TOP 3", ALL AGGREGATE BASES AND SUBBASES 12" IN THICKNESS SHALL BE CONSTRUCTED OF AGGREGATE GRADATION CA-2. IF THE SPECIFIED THICKNESS EXCEEDS 12", THE BASES OR SUBBASES SHALL BE CONSTRUCTED OF TOPSIZE 6" BREAKER-RUN CRUSHED STONE WITH 15% TO 40% BY WEIGHT PASSING THE 2" SIZE SIEVE, EXCEPT FOR THE TOP 3". THE BREAKER-RUN CRUSHED STONE SHALL BE REASONABLY UNIFORMLY GRADED FROM COARSE TO FINE AND BE TAKEN FROM A QUARRY LEDGE CAPABLE OF PRODUCING CLASS "D" QUALITY AGGREGATE. THE TOP 3" SHALL BE GRADATION CA-6 OR CA-10 REGARDLESS OF THICKNESS. THE WATER NECESSARY TO ACHIEVE COMPACTION IN ALL BUT THE TOP 3" LAYER MAY BE ADDED AFTER THE SUBBASE OR BASE COURSE IS PLACED ON THE GRADE.

11. ALL EMBANKMENT CONSTRUCTED OF COHESIVE SOIL SHALL BE CONSTRUCTED WITH NOT MORE THAN 110% OF OPTIMUM MOISTURE CONTENT, DETERMINED BY THE STANDARD PROCTOR TEST. COHESIVE SOIL SHALL BE DEFINED AS ANY SOIL WHICH CONTAINS GREATER THAN 10% PARTICLES BY WEIGHT PASSING THE #200 SIEVE. THE 110% OF OPTIMUM MOISTURE LIMIT MAY BE WAIVED IF FREE-DRAINING GRANULAR MATERIAL WHEN APPROVED BY THE ENGINEER.

12. A NATIONWIDE 404 PERMIT HAS BEEN ISSUED FOR THIS PROJECT AND THE CONDITIONS OF THAT PERMIT MUST BE ADHERED TO.

13. THE NEW NUMBERS FOR THE BRIDGE STRUCTURE WILL BE 098-0110 AND THE CULVERT STRUCTURE WILL BE 098-1013.

14. THE CONTRACTOR SHALL SUBMIT FOUR COPIES OF THE REQUIRED SHOP DRAWINGS FOR REVIEW AND APPROVAL TO THE BUREAU OF BRIDGES AND STRUCTURES, 2300 SOUTH. DIRKSEN PARKWAY, SPRINGFIELD, IL 62764. AFTER APPROVAL OF INITIAL SUBMITTAL, THE CONTRACTOR SHALL SUBMIT ONE SET OF SHOP DRAWINGS TO ERIC HARM, ENGINEER OF MATERIALS, 126 EAST ASH STREET, SPRINGFIELD, IL 62706, AND EIGHT (8) SETS OF SHOP DRAWINGS TO BE DISTRIBUTED TO:

    DISTRICT 2 DISTRICT ENGINEER (1)
    FABRICATOR (1)
    CONTRACTOR (2)
    RESIDENT ENGINEER (2)
    DISTRICT 2 BUREAU OF MATERIALS (2)

15. THE ADDITIONAL THICKNESS OF PROPOSED PAVEMENT REQUIRED TO MATCH THE BRIDGE APPROACH PAVEMENT, SHOWN IN STANDARD 420401, SHALL BE INCLUDED IN THE COST OF THE PROPOSED PAVEMENT AND NOT PAID FOR SEPARATELY.

16. AT BRIDGE EXPANSION JOINTS, IF TEMPORARY EXPANSION JOINT BULKHEADS ARE ATTACHED TO ADJACENT DECK SLABS OR ABUTMENTS FOR SUPPORT, THE CONTRACTOR SHALL CUT THE ATTACHMENTS AS SOON AS THE CONCRETE HAS SET TO PREVENT JOINT DAMAGE DUE TO HORIZONTAL CONTRACTION OR EXPANSION.

17. THE CURB IS REQUIRED ON THE BRIDGE APPROACH PAVEMENT AS SHOWN ON STANDARD 420401.

18. THE BORING LOGS FOR THIS STRUCTURE INDICATE THAT GROUNDWATER LEVELS MAY ENCROACH ON THE CONSTRUCTION LIMITS OF THIS CULVERT. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTROL THE GROUND WATER AND DIVERT THE STREAM FLOW DURING CONSTRUCTION IN ORDER TO KEEP THE CONSTRUCTION AREA FREE OF WATER. THE METHOD OF CONTROLLING THE WATER SHALL BE SUBJECT TO APPROVAL OF THE ENGINEER AND THE COST SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR CONCRETE BOX CULVERTS.

19. A PRECAST BOX CULVERT IS NOT AN OPTION ON THE PROJECT DUE TO SOIL CONDITIONS.

20. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL CORRUGATED METAL PIPE CULVERTS AS SHOWN IN THE PLANS. COST OF THE WORK TO BE INCLUDED IN THE CONTRACT UNIT PRICE FOR EARTH EXCAVATION.

21. DELETED

22. THE PROPOSED PIPES FOR ENTRANCES AND SIDE ROADS SHALL BE PLACED IN LINE WITH THE EXISTING OR PROPOSED DITCH LINE.

23. THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

BITUMINOUS MIXTURE DESCRIPTION

MIX USES	SURFACE COURSE	BINDER COURSE	LEVELING BINDER
PG	64-28	64-22	58-22
RAP% (MAX)	15	25	25
DESIGN AIR VOIDS(%)	4.2 AT N50	4.2 AT N50	4.2 AT N50
MIXTURE COMPOSITION	IL 9.5 OR 12.5	IL 19.0	IL 9.5 OR 12.5
FRICTION AGGREGATE	C	N/A	N/A
20 YEAR ESAL	0.39	0.39	0.39

24. BITUMINOUS AND AGGREGATE PRIME COAT REQUIRED FOR LEVELING BINDER AND BINDER ON EXISTING SURFACES SHALL BE PLACED IN ACCORDANCE WITH SECTION 406 OF THE STANDARD SPECIFICATIONS. THE COST OF THE PRIME COATS SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER TON FOR LEVELING BINDER (MACHINE METHOD) AND BITUMINOUS CONCRETE BINDER COURSE OF THE TYPES SPECIFIED.

25. THE EXCAVATED MATERIALS FROM EARTH EXCAVATION WIDENING, GRADING AND SHAPING DITCHES, AND EXCAVATING AND GRADING SHOULDERS SHALL BE USED TO BUILD UP THE SHOULDER THROUGHOUT THE JOB TO CONFORM WITH THE TYPICAL SECTIONS AND SHOULDER WIDENING FOR TERMINALS AS SHOWN ON THE PLANS.

26. EMBANKMENT QUANTITIES FOR THE CONSTRUCTION OF THE TRAFFIC BARRIER TERMINALS AS SHOWN IN THE PLANS ARE INCLUDED IN THE QUANTITIES FOR EARTH EXCAVATION.

27. THE CONTRACTOR SHALL SUPPLY THE RESIDENT ENGINEER WITH THE MANUFACTURER'S INSTALLATION REQUIREMENTS FOR THE TYPE OF STEEL PLATE BEAM GUARDRAIL TERMINAL TYPE 1 SPECIAL (FLARED).

28. SALVAGE EXISTING DELINEATORS WITHIN THE PROJECT LIMITS AND PLACE ONE AT EACH END OF APPROACH GUARDRAIL TERMINAL SECTION. THIS WORK SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR EARTH EXCAVATION.

29. ONE 8d GALVANIZED NAIL SHALL BE USED TO TOE NAIL THE WOOD BLOCK OUT TO THE WOOD POST ON ALL TRAFFIC BARRIER TERMINAL TYPE 1 SPECIALS.

30. PAVEMENT MARKING SHALL BE DONE ACCORDING TO STANDARD 780001, EXCEPT AS FOLLOWS:
    1. ALL WORDS, SUCH AS ONLY, SHALL BE 8 FEET HIGH.
    2. ALL NON-FREEWAY ARROWS SHALL BE THE LARGE SIZE.
    3. THE DISTANCE BETWEEN YELLOW NO-PASSING LINES SHALL BE 8", NOT 7" AS SHOWN IN THE DETAIL OF TYPICAL LANE AND EDGE LINES.

31. THE CONTRACTOR WILL BE REQUIRED TO FURNISH 5-1/2" HIGH BRASS STENCILS AS APPROVED BY THE ENGINEER AND INSTALL STATIONING AT 250' INTERVALS. STATIONING SHALL BE PLACED ON BOTH LANES OF 2 LANE HIGHWAYS AND ON THE OUTSIDE LANES IN BOTH DIRECTIONS OF 4 LANE HIGHWAYS. THE STATIONS SHALL BE PLACED 6" INSIDE THE PAVEMENT MARKING EDGE SO THEY CAN BE READ FROM THE SHOULDER. THIS WORK WILL BE INCLUDED IN THE COST OF THE FINAL PAVEMENT SURFACE.

32. PERMANENT SURVEY MARKERS, TYPE II SHALL BE CAST-IN-PLACE AS SHOWN ON HIGHWAY STANDARD 667101. A MARKER SHALL BE PLACED NEAR EACH STRUCTURE AS DIRECTED BY THE ENGINEER.

33. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED FOR NON-EMERGENCY WORK. THE JULIE NUMBER IS 800-892-0123. THE FOLLOWING LISTED UTILITIES LOCATED WITHIN THE PROJECT LIMITS OR IMMEDIATELY ADJACENT TO THE PROJECT CONSTRUCTION LIMITS ARE MEMBERS OF JULIE:

COMMONWEALTH EDISON COMPANY	MR. MIKE LENOX	(815)-490-2869
SBC/AMERITECH TELEPHONE COMPANY	MR. JEREMY SCHNACK	(309)-793-4456
CITIZENS/FRONTIER	MR. MARK BURKS	(217)-854-4013
ALDRIDGE ELECTRIC	MR. HARLAN SCHMIDT	(815)-467-0428

34. THE CONTRACTOR SHALL ONLY USE STATE ROUTES AND DETOUR ROUTES FOR HAULING MATERIALS AND EQUIPMENT. THERE WILL BE NO EXCEPTIONS UNLESS WRITTEN PERMISSION IS GIVEN FROM A JURISDICTION, TOWNSHIP OR COUNTY. A RECORD OF THIS AUTHORIZATION SHALL BE GIVEN TO THE RESIDENT ENGINEER.

35. THE RESIDENT ENGINEER PRIOR TO CLOSING THE ROAD AND AFTER THE PROJECT IS FINISHED SHALL CONTACT THE CORRESPONDING TOWNSHIPS OF LYNDON AND HOPKINS AND WHITESIDE COUNTY TO VIDEO TAPE THE FOLLOWING ROADS: WALNUT, MELLOTS, MATZNICK, YAGER AND BLACK ROADS.

36. THE ROADWAY SHALL NOT BE CLOSED PRIOR TO APRIL 24, 2006 AND WHEN RESTRICTED WEIGHT LIMITS ARE REMOVED FROM SURROUNDING ROADS.

37. CADD DATA WILL BE AVAILABLE TO CONTRACTORS AND CONSULTANTS WORKING ON THIS PROJECT. THIS INFORMATION WILL BE PROVIDED UPON REQUEST AS MICROSTATION CADD FILES AND GEOPAK COORDINATE GEOMETRY FILES ONLY. IF DATA IS REQUIRED IN OTHER FORMATS IT WILL BE YOUR RESPONSIBILITY TO MAKE THESE CONVERSIONS. IF ANY DISCREPANCY OR INCONSISTENCY ARISES BETWEEN THE ELECTRONIC DATA AND THE INFORMATION ON THE HARD COPY, THE INFORMATION ON THE HARD COPY SHOULD BE USED. CONTACT THE DISTRICT'S PROJECT ENGINEER TO REQUEST THESE FILES.

38. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.

39. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.

40. ALL DIMENSIONS SHOWN ARE IN FEET UNLESS OTHERWISE NOTED. PAVEMENT THICKNESS, CULVERT SIZE, CONDUIT SIZE AND MARKING WIDTHS ARE SHOWN IN INCHES UNLESS NOTED.

41. WHERE 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 MONUMENTS OR OTHERWISE REFERENCE THEIR LOCATION. THE CONTRACTOR WILL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR RE-ESTABLISH ANY SECTION OR SUB-SECTION MONUMENTS DESTROYED BY HIS OPERATIONS.

42. ONLY THOSE TREES DESIGNATED BY THE ENGINEER SHALL BE REMOVED. THE CONTRACTOR SHALL PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO HIS OPERATIONS.

43. ALL SAW CUTTING OF EXISTING PAVEMENT SHALL BE CONSIDERED INCLUDED IN PAVEMENT REMOVAL. THE MINIMUM SAW CUT DEPTH IN THE PAVEMENT SHALL BE FULL DEPTH OF THE EXISTING PAVEMENT UNLESS OTHERWISE SPECIFIED IN A DETAIL IN THE PLANS OR BY THE ENGINEER.

44. ACCORDING TO IDOT BDE PROCEDURE MEMORANDUM 99-34 AND OPERATIONS POLICY 5-1800, ALL UNMOWED AREAS SHOULD BE DESIGNATED IN THE PLANS AND SEEDED WITH THE APPROPRIATE NATIVE SEEDING SELECTIONS FROM CLASS 4, PER DIRECTIVE OF THE DECEMBER 8, 1999 STUDIES AND PLANS ENGINEER'S MEMORANDUM.

44. ACCORDING TO IDOT BDE PROCEDURE MEMORANDUM 99-34 AND OPERATIONS POLICY 5-1800, ALL UNMOWED AREAS SHOULD BE DESIGNATED IN THE PLANS AND SEEDED WITH THE APPROPRIATE NATIVE SEEDING SELECTIONS FROM CLASS 4, PER DIRECTIVE OF THE DECEMBER 8, 1999 STUDIES AND PLANS ENGINEER'S MEMORANDUM.

45. A QUANTITY OF TRENCH BACKFILL IS PROVIDED IN THE PLANS FOR THE CONCRETE BOX CULVERT. PLACEMENT AND COMPACTION OF TRENCH BACKFILL FOR ACROSS ROAD (AR) CULVERTS SHALL CONFORM TO ARTICLE 502.10 OF THE STANDARD SPECIFICATIONS EXCEPT THAT THE MATERIAL SHALL BE COMPACTED TO A MINIMUM OF 95% OF THE STANDARD LABORATORY DENSITY. THE ENTIRE EXCAVATION WITHIN 2' OUTSIDE OF EACH SHOULDER SHALL BE BACKFILLED WITH TRENCH BACKFILL MATERIAL. THE PAY LIMITS FOR TRENCH BACKFILL SHALL EXTEND FROM 2' OUTSIDE EACH VERTICAL CULVERT WALL AT THE BASE OF THE CULVERT FLOOR AND SHALL EXTEND VERTICALLY TO THE BOTTOM OF THE PROPOSED SUBGRADE. THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE PER CUBIC YARD FOR TRENCH BACKFILL.

46. THE FOLLOWING QUANTITIES HAVE BEEN ESTIMATED FOR THE GOOD NEIGHBOR POLICY AS NEEDED: 66300105 CALCIUM CHLORIDE APPLIED - 14 TON, X4066414 BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE, MIXC N50 - 230 TONS, 31101000 SUB-BASE GRANULAR MATERIAL TYPE B - 100 TON.

POLICY GUIDELINES:

ALL TREES REMOVED FROM THE PROJECT AREA (4 TREES, MAX.) FOR CONSTRUCTION OR MAINTENANCE PURPOSES WILL BE REPLACED WITH DECIDUOUS TREE SPECIES WHICH ARE NATIVE TO THE DISTRICT 2 AREA. TREES WILL BE REPLACED ACCORDING TO THE IDOT DEPARTMENTAL POLICY D & E - 18 (SEPTEMBER 18, 2002). THE LOCATION OF THE REPLACEMENT TREES SHALL BE DETERMINED BY THE DISTRICT 2 LANDSCAPE ARCHITECT.

COMMITMENTS:

105 BR-2

THE ISLAND LOCATED AT THE SOUTH EDGE OF THE BRIDGE WILL NOT BE DISTURBED WITH THE PLACEMENT OF FILL OR THE REMOVAL OF MATERIAL DURING CONSTRUCTION TO AVOID WETLAND IMPACTS.

105-T

CONSTRUCTION ACTIVITIES SHALL NOT GO BEYOND THE CONSTRUCTION LIMITS SOUTH OF THE BRIDGE AND EAST OF THE DITCH AS SHOWN IN THE PROJECT PLANS. THIS WILL AVOID IMPACTING A POPULATION OF WILD PETUNIAS IN THIS AREA.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

FAS ROUTE 1197 (MOLINE ROAD)
SECTION 105 BR-2 & 105-T
WHITESIDE COUNTY

GENERAL NOTES

DRAWN BY: HLC

PLOT DATE: Thu Nov 18 TIME: 08 2004 $FILENAME$

GENERAL NOTES

PLAN | SURVEYED | PLOTTED | ALIGNMENT CHECKED | RT OF WAY CHECKED | CADD FILE NAME | NOTE BOOK NO. | BY | DATE

$$DATE$$
$$DATE-TIME-$$
$$USERNAME-$$
$$REF-$$
$$REF-$$