

FAU	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2647	99-00142-07-WR	LAKE	256	36
CONTRACT NO: 83815				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SUGGESTED MAINTENANCE OF TRAFFIC STAGING NOTES

**PRE-STAGE (BUILD TEMPORARY PAVEMENT AND DRAINAGE, BUILD RAILROAD CROSSING)
MAINTENANCE OF TRAFFIC**

- LANE CLOSURES IN ACCORDANCE WITH IDOT STANDARDS 701421, 702001 AND LCDOT STANDARDS LC7005, LC7008.

CONSTRUCTION

- PLACE EROSION CONTROL ITEMS PER THE STORM WATER POLLUTION PREVENTION PLAN AND AS DIRECTED BY THE ENGINEER.
- RELOCATE UTILITIES (ELECTRIC, CABLE, GAS, AND TELEPHONE) (BY OTHERS).
- INSTALL WATER MAIN FROM STA. 180+00 TO STA. 191+75.
- PLACE MAINLINE STORM SEWER, LATERALS, AND DRAINAGE STRUCTURES BETWEEN STA. 163+70 AND STA. 168+85, STA. 168+00 LT AND STA. 200+40 LT STA. 55+50 RT AND STA. 64+60 RT
- SET UP DETOUR ROUTE FOR THE CLOSING OF BUTTERFIELD ROAD AT THE RAILROAD TRACKS.
- RECONSTRUCT RAILROAD TRACKS (BY OTHERS) AND RAILROAD WARNING DEVICES (BY OTHERS).
- REMOVE DETOUR ROUTE FOR THE CLOSING OF BUTTERFIELD ROAD AT THE RAILROAD TRACKS.
- PLACE TEMPORARY TRAFFIC SIGNALS AT THE INTERSECTIONS OF BUTTERFIELD ROAD AT WINCHESTER ROAD AND BUTTERFIELD ROAD AT IL. RTE. 137 (BUCKLEY ROAD).
- BUILD TEMPORARY PAVEMENT AND DRAINAGE AS SHOWN ON STAGE IA MAINTENANCE OF TRAFFIC PLAN AND CROSS SECTION-TEMPORARY PAVEMENT AND DRAINAGE.
- PLACE EROSION CONTROL ITEMS PER THE STORM WATER POLLUTION PREVENTION PLAN AND AS DIRECTED BY THE ENGINEER.
- PLACE TEMPORARY PAVEMENT MARKINGS AND TRAFFIC CONTROL AS SHOWN ON STAGE IA MAINTENANCE OF TRAFFIC PLAN.

STAGE IA (BUILD NORTHBOUND AND EASTBOUND LANES AND DRAINAGE)

MAINTENANCE OF TRAFFIC

- RELOCATE TRAFFIC TO THE LANES SHOWN ON STAGE IA MAINTENANCE OF TRAFFIC PLANS.
- LANE CLOSURES IN ACCORDANCE WITH IDOT STANDARDS 701422, 701502, 701606, 701801, 702001 AND LCDOT STANDARDS LC7001, LC7003.

CONSTRUCTION

- PLACE EROSION CONTROL ITEMS PER THE STORM WATER POLLUTION PREVENTION PLAN AND AS DIRECTED BY THE ENGINEER.
- COMPLETE CONSTRUCTION OF THE MAINLINE STORM SEWERS AND DRAINAGE STRUCTURES ON THE EAST SIDE OF BUTTERFIELD ROAD, AND THE NORTH SIDE OF WINCHESTER ROAD.
- BEGIN CONSTRUCTION OF DETENTION POND AT STATION 131+00 LT.
- CONSTRUCT THE EAST SIDE OF BUTTERFIELD ROAD, AND THE NORTH SIDE OF WINCHESTER ROAD ALONG WITH ALL DRIVEWAYS, ENTRANCES, SIDEWALKS AND LANDSCAPING.
- CONTRACTOR MAY CONSTRUCT MEDIAN CURB AND GUTTER IN AREAS DESCRIBED BELOW THAT WILL NOT BE IN CONFLICT WITH STAGE IB TRAFFIC MOVEMENTS OR IN CONFLICT WITH STAGE II TRAFFIC MOVEMENTS.
- THE BITUMINOUS CONCRETE SURFACE COURSE WILL NOT BE PLACED AT THIS TIME.
- BUILD TEMPORARY PAVEMENT AND DRAINAGE AS SHOWN ON STAGE IB MAINTENANCE OF TRAFFIC PLAN
- PLACE TEMPORARY PAVEMENT MARKINGS AND TRAFFIC CONTROL AS SHOWN ON STAGE IB MAINTENANCE OF TRAFFIC PLAN.

STAGE IB (BUILD CENTER LANES/MEDIANS AS REQUIRED FOR STAGE II TRAFFIC)

- ONLY WORK PERTAINING TO THE ITEMS DESCRIBED IN STAGE IB WILL BE WORKED ON DURING STAGE IB. ALL WORK PERTAINING TO STAGE II WILL BE STARTED ONLY AT THE COMPLETION OF STAGE IB, AS DETERMINED BY THE ENGINEER.
- CONTRACTOR MAY CONSTRUCT MEDIAN CURB AND GUTTER IN AREAS DESCRIBED BELOW THAT WILL NOT BE IN CONFLICT WITH STAGE IB TRAFFIC MOVEMENTS OR IN CONFLICT WITH STAGE II TRAFFIC MOVEMENTS.

MAINTENANCE OF TRAFFIC

- RELOCATE TRAFFIC TO THE LANES SHOWN ON STAGE IB MAINTENANCE OF TRAFFIC PLANS.
- LANE CLOSURES IN ACCORDANCE WITH IDOT STANDARDS 701422, 701502, 701606, 701801, 702001 AND LCDOT STANDARDS LC7001.

CONSTRUCTION

- CONSTRUCT THE LEFT TURN LANES AT THE INTERSECTION OF BUTTERFIELD ROAD AT LAKE STREET, AS SHOWN ON STAGE IB MAINTENANCE OF TRAFFIC PLAN (SUB-STAGE REQUIRED FOR LEFT TURN LANES).
- PLACE TEMPORARY PAVEMENT MARKINGS AND TRAFFIC CONTROL AS SHOWN ON STAGE II MAINTENANCE OF TRAFFIC PLANS FOR THE INTERSECTION OF BUTTERFIELD ROAD AT LAKE STREET. RELOCATE TRAFFIC TO THE NEW LANES.
- CONSTRUCT THE LEFT TURN LANES AT THE INTERSECTION OF BUTTERFIELD ROAD AT WINCHESTER ROAD AND CENTER LANE OF WINCHESTER ROAD AT PROJECT LIMITS, AS SHOWN ON STAGE IB MAINTENANCE OF TRAFFIC PLAN.
- PLACE TEMPORARY PAVEMENT, TEMPORARY PAVEMENT MARKINGS AND TRAFFIC CONTROL AS SHOWN ON STAGE II MAINTENANCE OF TRAFFIC PLANS FOR THE INTERSECTION OF BUTTERFIELD ROAD AT WINCHESTER ROAD AND WINCHESTER ROAD. RELOCATE TRAFFIC TO THE NEW LANES.
- CONSTRUCT THE LEFT TURN LANES AT THE INTERSECTION OF BUTTERFIELD ROAD AT VIRGINIA AVENUE/ST. WILLIAM DRIVE, AS SHOWN ON STAGE IB MAINTENANCE OF TRAFFIC PLAN.
- PLACE TEMPORARY PAVEMENT MARKINGS AND TRAFFIC CONTROL AS SHOWN ON STAGE II MAINTENANCE OF TRAFFIC PLANS FOR THE INTERSECTION OF BUTTERFIELD ROAD AT VIRGINIA AVENUE/ST. WILLIAM DRIVE. RELOCATE TRAFFIC TO THE NEW LANES.
- CONSTRUCT THE LEFT TURN LANES AT THE INTERSECTION OF BUTTERFIELD ROAD AT IL. RTE. 137 (BUCKLEY ROAD), AS SHOWN ON STAGE IB MAINTENANCE OF TRAFFIC PLAN.
- BITUMINOUS SURFACE REMOVAL OF IL. RTE. 137 (BUCKLEY ROAD) AS SHOWN ON THE PLANS.
- COMPLETE CONSTRUCTION OF THE MAINLINE STORM SEWERS AND DRAINAGE STRUCTURES ON IL. RTE. 137 (BUCKLEY ROAD).
- CONSTRUCT THE LEFT TURN LANES, CURB AND GUTTER AND MEDIANS AT THE INTERSECTION OF BUTTERFIELD ROAD AND IL. RTE. 137 (BUCKLEY ROAD).
- PLACE THE BITUMINOUS CONCRETE SURFACE COURSE ON IL. RTE. 137 (BUCKLEY ROAD).
- THE BITUMINOUS CONCRETE SURFACE COURSE WILL NOT BE PLACED ON BUTTERFIELD ROAD AT THIS TIME.
- PLACE TEMPORARY PAVEMENT MARKINGS AND TRAFFIC CONTROL AS SHOWN ON STAGE II MAINTENANCE OF TRAFFIC PLAN.

STAGE II (BUILD SOUTHBOUND AND WESTBOUND LANES AND DRAINAGE, BUILD REMAINING CENTER LANES)

MAINTENANCE OF TRAFFIC

- RELOCATE TRAFFIC TO THE LANES SHOWN ON STAGE II MAINTENANCE OF TRAFFIC PLANS.
- LANE CLOSURES IN ACCORDANCE WITH IDOT STANDARDS 701502, 701606, 701801, 702001 AND LCDOT STANDARDS LC7001, LC7003.

CONSTRUCTION

- PLACE EROSION CONTROL ITEMS PER THE STORM WATER POLLUTION PREVENTION PLAN AND AS DIRECTED BY THE ENGINEER.
- SET UP DETOUR ROUTE FOR THE CLOSING OF WESTBOUND LAKE STREET, AS SHOWN ON THE DETOUR PLAN. ONE LANE EASTBOUND MUST REMAIN OPEN TO TRAFFIC AT ALL TIMES.
- COMPLETE CONSTRUCTION OF THE MAINLINE STORM SEWERS AND DRAINAGE STRUCTURES ON LAKE STREET.
- CONSTRUCT LAKE STREET.
- REMOVE WESTBOUND LAKE STREET DETOUR ROUTE.
- COMPLETE CONSTRUCTION OF THE STORM SEWERS AND DRAINAGE STRUCTURES ON THE WEST SIDE OF BUTTERFIELD ROAD, AND THE SOUTH SIDE OF WINCHESTER ROAD.
- CONSTRUCT THE WEST SIDE OF BUTTERFIELD ROAD, THE SOUTH SIDE OF LAKE STREET, AND THE SOUTH SIDE OF WINCHESTER ROAD ALONG WITH ALL DRIVEWAYS, ENTRANCES, SIDEWALKS AND LANDSCAPING.
- THE BITUMINOUS CONCRETE SURFACE COURSE WILL NOT BE PLACED AT THIS TIME.
- REMOVE ALL TEMPORARY PAVEMENT MARKINGS AND PLACE SHORT TERM PAVEMENT MARKINGS FOR ALL LANES.

STAGE III (BUILD REMAINING MEDIANS, FINAL PAVEMENT MARKINGS)

MAINTENANCE OF TRAFFIC

- RELOCATE TRAFFIC TO THE PROPOSED LANES.
- DAYTIME LANE CLOSURES IN ACCORDANCE WITH IDOT STANDARDS 701421, 701426, 701502, 702001.

CONSTRUCTION

- COMPLETE ALL CONCRETE MEDIAN CURB AND GUTTER, CONCRETE MEDIAN SURFACES AND MEDIAN PLANTERS.
- COMPLETE ALL LANDSCAPING PRIOR TO PLACEMENT OF BITUMINOUS CONCRETE SURFACE COURSE.
- PLACE BITUMINOUS CONCRETE SURFACE COURSE.
- PLACE FINAL PAVEMENT MARKINGS.
- UPON APPROVAL FROM THE ENGINEER, REMOVE ALL EROSION CONTROL ITEMS.

GENERAL

- THE CONTRACTOR SHALL FOLLOW STORM WATER POLLUTION PREVENTION PLAN.
- THE CONTRACTOR SHALL COORDINATE THE TEMPORARY RAILROAD GATES AND FLASHER PLACEMENT WITH THE METRA RAILROAD REPRESENTATIVE. TRAFFIC WILL NOT BE RELOCATED UNTIL THE RAILROAD PROTECTION DEVICES ARE FUNCTIONING TO THE SATISFACTION OF THE ENGINEER AND THE METRA RAILROAD REPRESENTATIVE.
- THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ALL PERMANENT TRAFFIC SIGNAL EQUIPMENT AND APPURTENANCES PER STAGE.
- THE LEFT TURN LANES (AS SHOWN ON THE MAINTENANCE OF TRAFFIC PLANS) SHALL BE MAINTAINED DURING ALL STAGES OF CONSTRUCTION AT THE INTERSECTION OF BUTTERFIELD ROAD AND WINCHESTER ROAD, AT THE INTERSECTION OF BUTTERFIELD ROAD AND VIRGINIA STREET/ST. WILLIAMS DRIVE, AND AT THE INTERSECTION OF BUTTERFIELD ROAD AND IL RTE 137 (BUCKLEY ROAD).
- DRIVEWAY ACCESS SHALL BE MAINTAINED AT ALL TIMES THROUGH THE USE OF AGGREGATE SURFACE COURSE, TYPE B. DRIVEWAYS NOT SHOWN TO BE CLOSED SHALL BE CONSTRUCTED IN STAGES, ONE HALF AT A TIME.
- THE CONTRACTOR SHALL REMOVE EXISTING PAVEMENT MARKING WHICH CONFLICT. THIS WORK SHALL BE PAID FOR AS WORK ZONE PAVEMENT MARKING REMOVAL.
- TEMPORARY PAVEMENT MARKING - LINE 6" (BLACK) TO BE APPLIED OVER EXISTING PAVEMENT MARKINGS OUTSIDE OF RECONSTRUCTION LIMITS ON LAKE STREET, WINCHESTER ROAD AND IL RTE 137 TO "OBLITERATE" CONFLICTING PAVEMENT MARKINGS DURING CONSTRUCTION.
- THE CONTRACTOR WILL COORDINATE THE RECONSTRUCTION OF LAKE STREET WITH LIBERTY ELEMENTARY SCHOOL DISTRICT #70 1381 W. LAKE ST. LIBERTYVILLE IL 60048, SUCH THAT THE RECONSTRUCTION OCCURS WHEN SCHOOL IS NOT IN SESSION.

THE MAINTENANCE OF TRAFFIC WILL INCLUDE TEMPORARY CONSTRUCTION SIGNING (LCDOT STANDARD LC7007) PLACED AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER. THE COST WILL BE INCLUDED IN THE UNIT PRICE OF TRAFFIC CONTROL AND PROTECTION (SPECIAL). ALL "ENTRANCE" SIGNS WILL BE PLACED BY COUNTY FORCES.

AS SHOWN ON THE PLANS, THE MAINTENANCE OF TRAFFIC WILL INCLUDE DIRECTIONAL INDICATOR BARRICADES (LCDOT STD LC7006). ON IL RTE 137 DIRECTIONAL INDICATOR BARRICADES WILL BE USED FOR LANE DROPS ONLY. ON ALL OTHER ROADWAYS, DIRECTIONAL INDICATOR BARRICADES WILL BE USED AT LANE DROPS, AND LANE SHIFTS.

A TEMPORARY PATCH SHALL BE PLACED OVER THE TOP OF STORM SEWER OR WATER MAIN TRENCHES AT THE END OF EACH DAY IN ACCORDANCE WITH THE TEMPORARY PATCH DETAIL. REMOVAL OF THE TEMPORARY PATCH WILL BE INCIDENTAL IN THE UNIT COST FOR INCIDENTAL BITUMINOUS SURFACING.

THE CONTRACTOR SHALL PLACE TEMPORARY BITUMINOUS RAMPS BETWEEN THE EXISTING AND PROPOSED PAVEMENT AT LOCATIONS AS DIRECTED BY THE ENGINEER WHEN DIRECTED BY THE ENGINEER. THIS WORK WILL BE INCIDENTAL TO TRAFFIC CONTROL AND PROTECTION (SPECIAL).

THE CONTRACTOR SHALL COVER TRAFFIC SIGNAL HEADS AND MODIFY CONTROLLER PHASING AND TIMINGS TO MATCH THE TRAFFIC PATTERNS SHOWN ON THE PLANS. THIS WORK WILL BE INCIDENTAL TO TRAFFIC CONTROL AND PROTECTION (SPECIAL).

LANE CLOSURES: THE CONTRACTOR SHALL WORK EXPEDITIOUSLY TO OPEN TRAFFIC LANES CLOSED DUE TO ROADWORK. THE ENGINEER WILL BE THE SOLE JUDGE OF WHEN A LANE IS READY TO BE OPENED TO TRAFFIC. THE OPENING OF THE LANE TO TRAFFIC WILL BE IN ACCORDANCE WITH SECTION 107.29 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

ROADWORK REQUIRING A CLOSURE OF A LANE, WHICH HAS BEEN OPENED PREVIOUSLY TO TRAFFIC, WILL BE ALLOWED AT THE DISCRETION OF THE ENGINEER AND UNDER THE FOLLOWING CONDITIONS:

- THE LANE CLOSURE SHALL ONLY BE IN EFFECT WHILE WORKERS ARE PRESENT IN OR NEAR THE CLOSED LANE.
- THE CLOSED LANE WILL BE REOPENED TO TRAFFIC AT THE END OF THE WORKDAY.
- ALL TRAFFIC CONTROL DEVICES PERTAINING TO THE LANE CLOSURE SHALL BE REMOVED FROM THE ROADWAY AT THE END OF THE WORKDAY.

FOR SIDE STREETS THAT CROSS THE WORK ZONE - PLACE THE AGGREGATE BASE COURSE AND BITUMINOUS BINDER COURSES BEFORE THE WEEKEND FOLLOWING REMOVAL OF THE SIDE STREET EXISTING PAVEMENT.

WINTER SHUTDOWN IS ANTICIPATED AFTER ALL PRE-STAGE, STAGE IA AND STAGE IB WORK IS COMPLETE AND TRAFFIC HAS BEEN RELOCATED TO THE LANES SHOWN ON STAGE II MAINTENANCE OF TRAFFIC PLANS. CONTRACTOR WILL PLACE SURFACE COURSE ON ALL PROPOSED PAVEMENT TO BE OPEN TO TRAFFIC DURING WINTER SHUTDOWN.

"WORKERS" SIGN TO BE REMOVED OR COVERED WHEN WORKERS ARE NOT PRESENT.

SPACING OF TYPE II BARRICADES AS FOLLOWS: 50' C-C ON TANGENTS, 25' C-C ON TAPERS/SHIFTS, 12' C-C AROUND RADII.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**FAU 2647 - BUTTERFIELD ROAD
SUGGESTED MAINTENANCE OF
TRAFFIC - GENERAL NOTES**

SCALE: NONE
DATE: 12/2/2005

DRAWN BY: PMM
CHECKED BY: BLL

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