

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
577	3114 N-1	COOK	72	15
STA.		TO STA.		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				
CONTRACT NO. 60A25				

TRAFFIC CONTROL AND PROTECTION GENERAL NOTES

- THE SITE CONDITIONS AS WELL AS THE SUGGESTED TRAFFIC STAGING INVOLVES CONSTRICTED WORK AREAS ESPECIALLY DURING PAVING OPERATIONS. THE CONTRACTOR SHALL AVOID ENCROACHMENTS ON THE ADJACENT DRIVING LANES TO ENSURE PUBLIC SAFETY.
- THE TRAFFIC CONTROL PLANS AND THE CONSTRUCTION STAGING SHOWN FOR THIS CONTRACT SHALL SERVE AS A GUIDE FOR SAFE DIVERSION OF TRAFFIC DURING EXECUTION OF THIS CONTRACT. THE CONTRACTOR MAY IMPROVE OR MODIFY THE TRAFFIC CONTROL PLANS FOR CONSTRUCTION NEEDS. THE CONTRACTOR'S PROPOSED TRAFFIC CONTROL PLANS/REVISIONS SHALL BE SUBMITTED IN ADVANCE FOR THE APPROVAL OF THE ENGINEER.
- ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE LATEST EDITION OF THE STATE OF ILLINOIS MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, AND SHALL BE IN PLACE BEFORE ANY WORK IS STARTED.
- THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND TRAFFIC CONTROL DEVICES MAY BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. EXISTING STOP SIGNS AND HIGHWAYS ALONG ILLINOIS 171 (ARCHER AVE) AND CROSS STREETS SHALL BE RELOCATED TO CONTROL THE TRAFFIC FOR THE VARIOUS STAGES OF CONSTRUCTION AS SHOWN ON THE STAGING PLANS OR AS DIRECTED BY THE ENGINEER. THE COST IS INCLUDED AS PART OF THE TRAFFIC CONTROL AND PROTECTION (SPECIAL) PAY ITEM.
- ALL DRIVEWAYS AND SIDEWALKS TO HOUSES AND BUSINESSES AND CROSSROADS SHALL REMAIN IN SERVICE THROUGHOUT THE LIFE OF THIS CONTRACT AND SHALL BE CONSTRUCTED IN STAGES, AS SHOWN ON THE CONSTRUCTION STAGING PLANS AND DISTRICT DETAILS FOR TEMPORARY ACCESS DRIVES AND SIDE STREETS. NO RESIDENTIAL OR COMMERCIAL DRIVEWAYS SHALL BE CLOSED OR REMOVE FROM SERVICE WITHOUT PRIOR APPROVAL OF ENGINEER. STORM SEWER SYSTEMS AND DITCHES SHALL BE MAINTAINED AT ALL TIMES EXCEPT AT PERIODS OF CONNECTING TO THE PROPOSED STORM SEWER LINES.
- ONE 11 FEET LANE (MIN. LANE WIDTH) IN EACH DIRECTION SHALL BE KEPT OPEN TO THROUGH TRAFFIC ALONG ILLINOIS 171 (ARCHER AVE) AND SIDE STREETS.
- THIS PROJECT INVOLVES CONSIDERABLE PUBLIC AND MUNICIPAL UTILITY RELOCATIONS AND OR ADJUSTMENTS. THE CONTRACTOR SHALL VERIFY THE LOCATIONS OF ALL UTILITIES THROUGH J.U.L.I.E. AND COORDINATION WITH LOCAL MUNICIPAL AUTHORITY AND/OR PUBLIC UTILITY COMPANIES TO RELOCATE WATERMANS, FIRE HYDRANTS, GAS LINES, TELEPHONE LINES, ELECTRIC LINES, ETC. THAT ARE IN CONFLICT WITH THE PROPOSED STORM SEWERS AND PAVEMENT RECONSTRUCTION.
- THE CONTRACTOR SHALL NOT STORE EQUIPMENT, VEHICLES OR MATERIALS ON ADJACENT STREETS BEYOND THE PROJECT LIMIT WITHOUT SPECIFIC WRITTEN APPROVAL FROM THE ENGINEER.
- REMOVE EXISTING PAVEMENT MARKINGS IF IN CONFLICT WITH THE TEMPORARY PAVEMENT MARKINGS FOR TRAFFIC CONTROL AND PROTECTION PLANS. TEMPORARY PAVEMENT MARKINGS SHALL BE PROVIDED FOR ALL LOCATIONS AS SHOWN ON THE CONSTRUCTION STAGING PLANS OR AS DIRECTED BY THE ENGINEER. TEMPORARY PAVEMENT MARKING TAPES, TYPE III SHALL BE USED ON FINISHED SURFACES AND ON APPROACHES TO THE CONSTRUCTION AREA
- TAPER LENGTH FOR TRAFFIC CONTROL DEVICES IS DEFINED BY:

$$L = \frac{WS^2}{60}$$

WHERE L = TAPER LENGTH IN FEET
W = WIDTH OF OFFSET IN FEET
S = POSTED SPEED IN MPH
- ADEQUATE TURNING RADII FOR VEHICLES, INCLUDING TRUCKS AND BUSES SHALL BE MAINTAINED AT ALL INTERSECTIONS DURING CONSTRUCTION OPERATIONS.
- PAYMENT FOR TRAFFIC CONTROL AND PROTECTION (STAGES I, IA, II, & IIA) AND ALL OTHER STAGING OPERATIONS FOR THE ENTIRE CONTRACT WILL BE PAID FOR ON A LUMP BASIS AS "TRAFFIC CONTROL AND PROTECTION (SPECIAL)".
- TEMPORARY CONCRETE BARRIERS AND EROSION CONTROL SYSTEM SHALL BE PLACED WHERE THE TRAVEL LANE IS ADJACENT TO A DROP OF 3 FEET OR GREATER AND AT LOCATIONS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE IN ACCORDANCE WITH SECTION 704 OF THE STANDARD SPECIFICATIONS. PAYMENT WILL BE ACCORDING TO APPLICABLE ITEMS IN THE BILL OF QUANTITIES.
- TEMPORARY PAVEMENT IS REQUIRED TO MAINTAIN THE REQUIRED TRAFFIC LANES ON IL 171 (ARCHER AVE) AND THE SIDE STREETS AS SHOWN ON THE STAGING PLANS. TEMPORARY PAVEMENT CONSISTS OF HMA BASE COURSE AND HMA SURFACE COURSE.
- THE CONTRACTOR WILL GIVE AT LEAST 48 HOURS PRIOR NOTICE TO THE VILLAGE ENGINEER OF LEMONT BEFORE CLOSING ANY SIDE STREET DURING CONSTRUCTION.
- THE CONTRACTOR WILL BE REQUIRED TO VERIFY/CONFIRM/LOCATE AND IDENTIFY ALL EXISTING UNDERGROUND UTILITY LOCATIONS PRIOR TO THE START OF CONSTRUCTION OPERATIONS.
- TRAFFIC SURVEILLANCE WILL BE REQUIRED FOR THIS CONTRACT AND WILL BE PAID FOR UNDER APPLICABLE PAY ITEMS.
- BARRICADES/DRUMS SPACING TO BE AS FOLLOWS:
TAPER = 25 FT. C-C SPACING
MAINLINE = 50 FT. C-C SPACING
DRIVEWAY RETURNS = 10 FT C-C SPACING
- ALL TEMPORARY PAVEMENT MARKINGS (PAINT AND OR TYPE III TAPE) WILL BE PAID FOR SEPARATELY ACCORDING TO THE APPLICABLE PAY ITEMS SHOWN IN THE SUMMARY OF QUANTITIES.
- VERTICAL PANELS WITH STEADY BURN LIGHT MAY BE SUBSTITUTED IN PLACE OF TYPE I OR TYPE II BARRICADES OR REFLECTORIZED DRUMS WHERE SPACE IS LIMITED.

STAGING SEQUENCE FOR IL. 171 (ARCHER AVE.)
(RECONSTRUCTION AREA)

PRESTAGE 1:

- INSTALL SIGNS SHOWN ON THE DETAIL " TEMPORARY INFORMATION SIGNING" PLACED PRIOR TO THE START OF CONSTRUCTION ACTIVITIES ON ILLINOIS 171 (ARCHER AVE), ASHBURY DRIVE AND 131ST STREET.
- REMOVE A PORTION OF THE CURB AND GUTTER ON THE EAST SIDE OF RAVINE DRIVE.
- CONSTRUCT TEMPORARY PAVEMENT FROM RAVINE DRIVE TO ASHBURY DRIVE AND FROM ASHBURY DRIVE TO IL. 171 (STA. 23+68.70).
- INSTALL TEMPORARY CONCRETE BARRIER WALL.
- ANY OPEN HOLES RESULTING FROM THE CONTRACTOR'S OPERATION SHALL BE COMPLETELY BACKFILLED TO TOP OF THE ADJACENT ROADWAY SURFACE ELEVATION WHENEVER THE CONTRACTOR IS NOT WORKING. PRIOR TO OPENING THE ROADWAY TO TRAFFIC, TEMPORARY PAVEMENT SHALL BE INSTALLED IN THE TRENCHES. ALL MAJOR INTERSECTIONS MUST BE KEPT OPEN AT ALL TIMES.

STAGE I:
(TRAFFIC ON THE NORTH SIDE OF IL. 171 PAVEMENT)

- REMOVE SOUTH PORTION OF PAVEMENT AT THE EAST END OF THE JOB AT STA. 12+30 AND PROCEED EASTERLY TOWARDS STA. 19+14 AND CONTINUE FROM 131ST STREET INTERSECTION TO STA. 21+31.
- REMOVE SOUTHEAST PORTION OF PAVEMENT ON 131ST STREET FROM STA. 10+00 TO STA. 11+40 SOUTHEASTERLY OF THE INTERSECTION.
- INSTALL/ERECT TEMPORARY EROSION CONTROL SYSTEM RIGHT UPON COMPLETION OF PAVEMENT REMOVAL ON THE LOCATIONS SPECIFIED ABOVE.
- REMOVE SOUTHWEST PORTION OF PAVEMENT ON 131ST STREET FROM STA. 10+00 TO STA. 11+40 SOUTHEASTERLY OF THE INTERSECTION.
- CONSTRUCT SOUTH SIDE DRAINAGE SYSTEM STARTING AT THE WEST LIMITS OF CONSTRUCTION PORTION OF PROJECT.
- CONSTRUCT SOUTH SIDE PAVEMENT AND RELATED ITEMS.
- CONSTRUCT TEMPORARY PAVEMENT PRIOR IN SWITCHING TRAFFIC TO THE SOUTH SIDE OF IL 171.
- THE CONTRACTOR WILL BE REQUIRED TO MAINTAINED ACCESS TO ALL DRIVEWAYS 18 FT OR WIDER.
- ADDITIONAL SUBSTAGING NOT SHOWN WILL BE REQUIRED TO MAINTAINED TRAFFIC AT THE CROSS STREETS AND DRIVEWAYS.

STAGE II:
(TRAFFIC ON THE SOUTH SIDE OF IL. 171 PAVEMENT)

- RELOCATE TEMPORARY CONCRETE BARRIER WALL.
- REMOVE NORTH PORTIONS OF THE EXISTING PAVEMENT OF IL 171 FROM STA. 12+30 TO STA. 19+30 AND FROM ASHBURY DR TO STA.21+31
- REMOVE EAST PORTIONS OF THE EXISTING ISLAND AND PAVEMENT ON ASHBURY DRIVE.
- CONSTRUCT THE REMAINING PORTIONS OF DRAINAGE SYSTEM ON THE NORTH SIDE STARTING AT THE EAST LIMITS OF THE RECONSTRUCTION PORTION OF PROJECT (STA. 12+30). REMOVE AND OR PLUG REMAINING PORTIONS OF THE EXISTING DRAINAGE SYSTEM AS IT BECOMES ABANDONED.
- CONSTRUCT THE NORTH SIDE PAVEMENT AND RELATED ITEMS. THE CONTRACTOR WILL BE REQUIRED TO MAINTAIN ACCESS TO ALL DRIVEWAYS 18 FT OR WIDER.

- SWITCH TRAFFIC AFTER COMPLETING THE EAST LEG OF THE INTERSECTION OF ASHBURY DR. AND IL 171. THEREAFTER FINISHING THE REMAINING PORTION OF THE INTERSECTION.
- ADDITIONAL SUBSTAGING NOT SHOWN WILL BE REQUIRED TO MAINTAIN TRAFFIC AT THE CROSS STREET AND DRIVEWAYS.

STAGE III:
(TRAFFIC ON THE SOUTH SIDE OF IL. 171 PAVEMENT)

- CONSTRUCT THE RIGHT IN RIGHT OUT ISLAND ON ASHBURY DRIVE.
- REMOVE TEMPORARY PAVEMENT ON THE NORTH SIDE AND CONSTRUCT PC CONCRETE CURB AND GUTTER.
- CONSTRUCT BITUMINOUS AND AGGREGATE SHOULDERS AND RELATED ITEMS ON THE NORTH SIDE OF IL 171.
- REMOVE TEMPORARY CONCRETE BARRIER WALL AND TEMPORARY PAVEMENT ON THE SOUTH SIDE OF IL 171 UPON COMPLETION OF STAGE III.
- CONSTRUCT BITUMINOUS SHOULDER AND AGGREGATE SHOULDER AND RELATED ITEMS ON THE SOUTH SIDE OF IL. 171.

STAGE IV:
(TRAFFIC ON NEWLY CONSTRUCTED PAVEMENT)

- COMPLETE ALL MISCELLANEOUS WORK ITEMS USING DAYTIME LANE CLOSURES.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
ILL 171 (ARCHER AVE)
AT ASHBURY DR & 131ST STREET
STAGING SEQUENCE AND
GENERAL NOTES

DRAWN BY
CHECKED BY

PLOT DATE = 5/2/2007
FILE NAME = c:\projects\pl1382\design\gen.dgn
USER NAME = galbreth