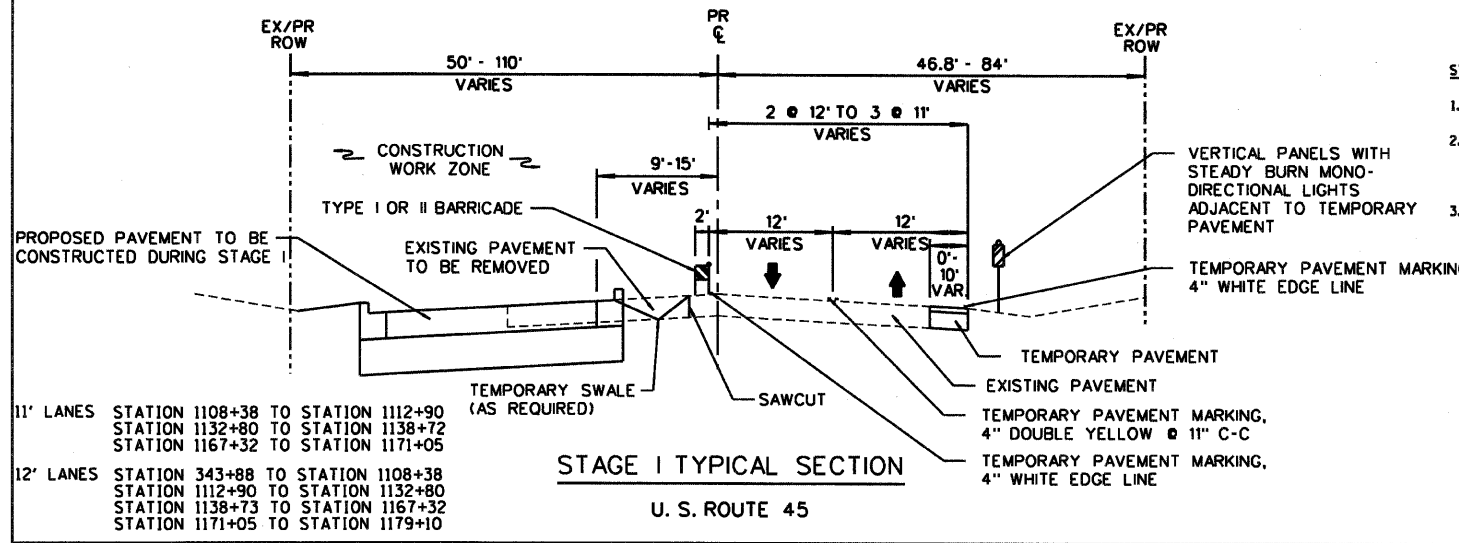


RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
344	(46-15&47)WRS-2	LAKE	234	30
STA.	TO STA.			
FED. ROAD DIST. NO. 7	ILLINOIS		FED. AID PROJECT	
CONTRACT NO. 60956				

U. S. ROUTE 45
CONSTRUCTION STAGING



- STAGE IA**
1. MAINTAIN TWO-WAY TRAFFIC FLOW ON U.S. ROUTE 45.
 2. INSTALL TEMPORARY TRAFFIC SIGNALS AT CENTER STREET/DEERPETH ROAD, BRAE LOCH ROAD, GAGES LAKE ROAD, AND WASHINGTON STREET. REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT.
 3. THE FOLLOWING SHALL BE PERFORMED USING STANDARD 701201 OR 701306 FOR DAY TIME ONE LANE CLOSURES.
 - A. UTILITY ADJUSTMENTS ALONG BOTH SIDES OF U.S. ROUTE 45.
 - B. CONSTRUCT MAINLINE STORM SEWER LOCATED ALONG THE EAST SIDE OF U.S. ROUTE 45.
 - C. CONSTRUCT EAST SIDE OF THE CULVERTS AT STATIONS 1113+00 AND 1143+00 AND MAINLINE STORM SEWER NORTH OF WASHINGTON STREET.
 - D. CONSTRUCT TEMPORARY PAVEMENT ADJACENT TO THE EXISTING PAVEMENT AT CENTER STREET/DEERPETH ROAD, BRAE LOCH ROAD, GAGES LAKE ROAD, WASHINGTON STREET AND FROM STATION 1143+75 TO STATION 1154+85, STATION 1156+16 TO STATION 1164+00 AND STATION 1170+44 TO STATION 1180+67 ALONG U.S. ROUTE 45 AS SHOWN IN THE PLANS. TEMPORARY PAVEMENT LEFT IN PLACE OVER THE WINTER SHALL BE STRIPED AS SHOULDER ACCORDING TO THE "DISTRICT ONE TYPICAL PAVEMENT MARKINGS" (TC-13)

- STAGE I**
1. ESTABLISH TWO-WAY TRAFFIC FLOW ALONG THE EAST SIDE OF U.S. ROUTE 45 AS SHOWN ON THE PLANS. A MINIMUM OF ONE, 11' THROUGH LANE IN EACH DIRECTION SHALL BE MAINTAINED THROUGHOUT THE ENTIRE LENGTH. IN ADDITION, AN 11' LEFT TURN LANE SHALL BE MAINTAINED AT CENTER STREET/DEERPETH ROAD, BRAE LOCH ROAD, GAGES LAKE ROAD, AND WASHINGTON STREET.
 2. REMOVE THE EXISTING PAVEMENT, PAVED SHOULDER, AGGREGATE SHOULDER, MEDIAN, AND CURB AND GUTTER ALONG THE WEST SIDE OF U.S. ROUTE 45.
 3. CONSTRUCT MAINLINE STORM SEWER, WEST SIDE STORM SEWER LATERALS, AND WEST SIDE OF CULVERTS ALONG U.S. ROUTE 45.
 4. CONSTRUCT SOUTHBOUND COMBINATION CONCRETE CURB AND GUTTER AND P.C. CONCRETE PAVEMENT AS SHOWN ON THE PLANS.
 5. PLACE PERMANENT SEEDING AND SODDING ON WEST SIDE OF ROADWAY.

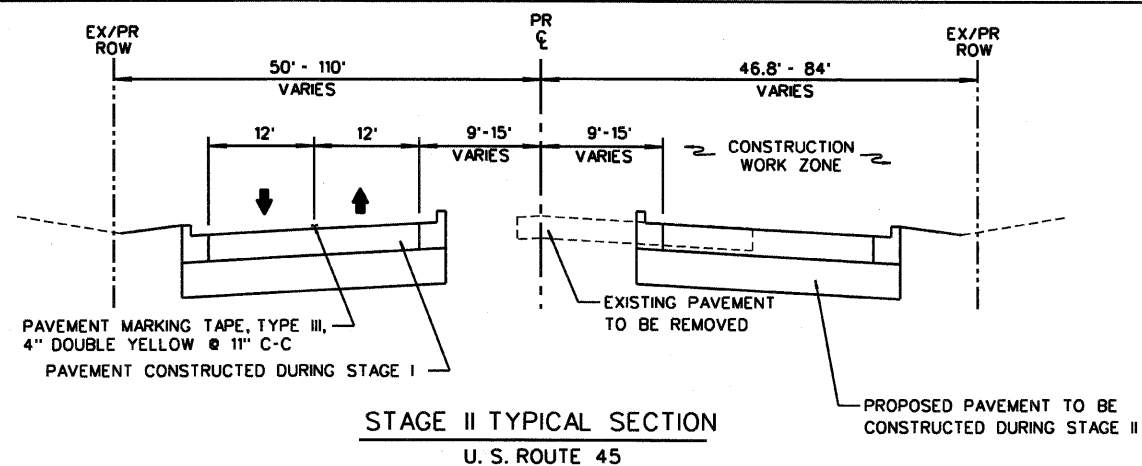
11' LANES STATION 1108+38 TO STATION 1112+90
STATION 1132+80 TO STATION 1138+72
STATION 1167+32 TO STATION 1171+05

12' LANES STATION 343+88 TO STATION 1108+38
STATION 1112+90 TO STATION 1132+80
STATION 1138+73 TO STATION 1167+32
STATION 1171+05 TO STATION 1179+10

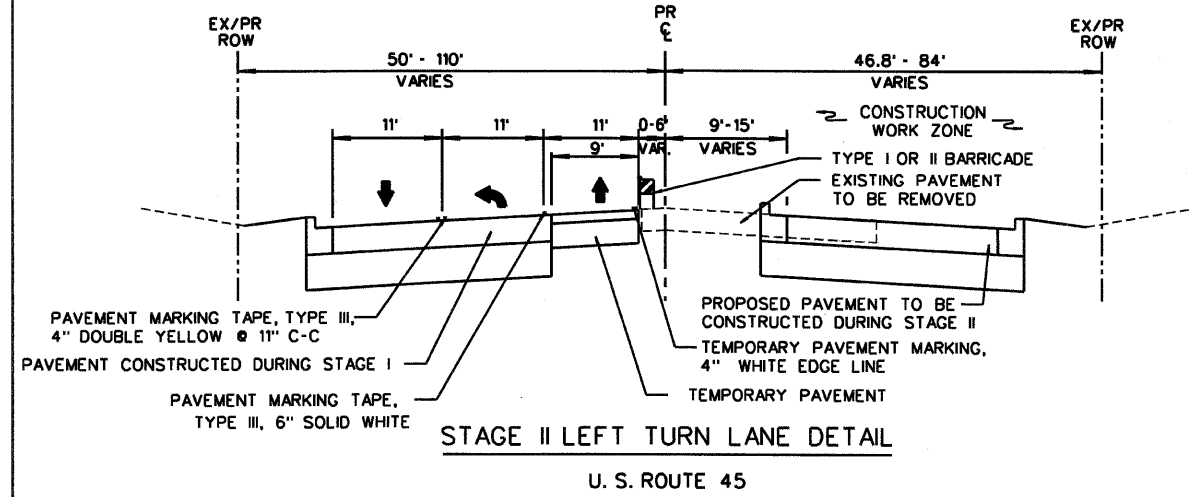
GENERAL NOTES

1. THE CONTRACTOR SHALL MAINTAIN A MINIMUM 22' CLEAR WIDTH ROADWAY IN EACH DIRECTION FOR TWO-WAY TRAFFIC FLOW AND A MINIMUM 11' WIDE LEFT TURN LANE AT LOCATIONS SHOWN THROUGHOUT THE DURATION OF THE CONTRACT. INGRESS AND EGRESS TO DRIVEWAYS AND SIDE STREETS SHALL BE MAINTAINED AS SHOWN ON THE PLANS AND/OR AS DIRECTED BY THE ENGINEER. A QUANTITY OF TEMPORARY ACCESS HAS BEEN INCLUDED IN THE CONTRACT FOR DRIVEWAY AND SIDE STREET ACCESS.
2. TYPE I OR II BARRICADES, DRUMS, OR VERTICAL PANELS SHALL BE EQUIPPED WITH MONO-DIRECTIONAL STEADY BURN LIGHTS AND SHALL BE PLACED AT 50' INTERVALS ALONG THE PROPOSED WORK ZONE, AND AT 25' INTERVALS WITHIN TAPER SECTIONS AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. TYPE II BARRICADES SHALL HAVE A MINIMUM OF 288 SQUARE INCHES OF REFLECTORIZED AREA.
3. THE CONTRACTOR SHALL BE REQUIRED TO REMOVE ALL EXISTING PAVEMENT MARKINGS WHICH CONFLICT WITH THE DESIGNATED TRAFFIC CONTROL PLAN. THIS WORK SHALL BE PAID FOR AS PAVEMENT MARKING REMOVAL. THE CONTRACTOR SHALL MARK A DOUBLE 4" WIDE SOLID CENTERLINE (11" C/C) DURING STAGE I AND STAGE II TRAFFIC OPERATIONS AS SHOWN ON THE PLANS. THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR TEMPORARY PAVEMENT MARKING AND/OR PAVEMENT MARKING TAPE, TYPE III, 4".
4. ALL TEMPORARY PAVEMENT MARKINGS SHOWING DETERIORATION AFTER 7 DAYS SHALL BE REPLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER. SUFFICIENT QUANTITIES TO RESTRIPE EACH STAGE, 3 TIMES HAVE BEEN PROVIDED. ALL MARKINGS REQUIRING REPLACEMENT AFTER THE THIRD PLACEMENT SHALL BE REPLACED BY THE CONTRACTOR AT HIS/HER OWN EXPENSE.
5. THE CONTRACTOR SHALL REPLACE ANY TEMPORARY RAISED REFLECTIVE PAVEMENT MARKER THAT IS DAMAGED OR AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE INCLUDED IN THE COST OF ORIGINAL TEMPORARY RAISED REFLECTIVE PAVEMENT MARKER.
6. THE FURNISHING, INSTALLING, AND RELOCATION OF ALL TRAFFIC SIGNS SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND THE STANDARD SPECIFICATIONS. THIS WORK SHALL BE INCLUDED IN THE COST FOR TRAFFIC CONTROL AND PROTECTION. ALL CONFLICTING TRAFFIC SIGNS SHALL BE COVERED AS DIRECTED BY THE ENGINEER. THIS SHALL BE CONSIDERED INCLUDED IN THE COST OF TRAFFIC CONTROL AND PROTECTION.
7. THE CLOSURE OF ONE THRU TRAFFIC LANE FOR ANY REASON SHALL BE RESTRICTED TO THE WEEKDAY HOURS OF 9:00 AM TO 3:30 PM, AS APPROVED IN ADVANCE BY THE ENGINEER.
8. ALL DRIVEWAYS SHALL BE OPEN FOR TRAFFIC DURING THE CONSTRUCTION.
9. THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SAND BAGS ON EACH TYPE I OR TYPE II BARRICADE USED - ONE (1) WEIGHTED SAND BAG ACROSS EACH BOTTOM RAIL.
10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING DRAINAGE OF THE ROADWAY DURING ALL STAGES OF CONSTRUCTION. A QUANTITY OF 10 INLETS AND 1000' OF 12" STORM SEWER HAVE BEEN PROVIDED FOR TEMPORARY USE.
11. THE ITEM TRAFFIC CONTROL AND PROTECTION (SPECIAL) SHALL INCLUDE ALL TRAFFIC CONTROL NECESSARY FOR ALL STAGES OF CONSTRUCTION.
12. TEMPORARY RAMPS SHALL BE USED TO ACCOUNT FOR DIFFERENCES IN EXISTING AND PROPOSED PAVEMENT ELEVATIONS BETWEEN STAGES OF CONSTRUCTION AT THE INTERSECTIONS OF U.S. ROUTE 45 WITH BRAE LOCH ROAD, GAGES LAKE ROAD, AND WASHINGTON STREET AND AT OTHER AREAS AS DIRECTED BY THE ENGINEER. THIS WORK SHALL BE PAID PER TON OF HMA BINDER COURSE, 1L-19.0, NSO, REMOVAL SHALL BE INCLUDED IN THE COST OF REMOVAL OF THE PAVEMENT UNDERLYING THE RAMP.
13. BARRIER MEDIANS REMOVED FOR MAINTENANCE OF TRAFFIC SHALL BE REPLACED IN KIND. THIS WORK WILL BE PAID FOR WITH THE APPROPRIATE PAY ITEMS.
14. "CAUTION NEW LANES ARE OPEN" SIGNS SHALL BE INSTALLED FOR A PERIOD OF TIME FOLLOWING EACH STAGE CHANGE AT THE DIRECTION OF THE ENGINEER. THE COST OF THESE SIGNS SHALL BE CONSIDERED INCLUDED IN THE COST OF THE TRAFFIC CONTROL AND PROTECTION.
15. TEMPORARY PAVEMENT MARKING TAPE SHALL BE USED ON ALL FINAL WEARING SURFACES AND EXISTING PAVEMENT SURFACES TO REMAIN. PAINT MAY BE USED ON ALL TEMPORARY PAVEMENT AND INTERMEDIATE SURFACES.
16. THE ENGINEER SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS PRIOR TO BEGINNING WORK.
17. TEMPORARY PAVEMENT SHALL BE CONSTRUCTED OF EITHER PCC BASE COURSE 8" OR HMA SURFACE COURSE, MIX. D, NSO, 1.5" AND HMA BINDER COURSE, 1L-19.0, NSO, 8.5" ACCORDING TO THE SPECIFICATION FOR TEMPORARY PAVEMENT.
18. DRIVEWAY ENTRANCE SIGNS SHOWN ON THE PLAN SHEETS ARE SCHEMATIC. TWO PANELS SHALL BE INSTALLED AT EACH LOCATION - ONE FACING EACH DIRECTION OF TRAFFIC FLOW. SEE DETAILS ON SHEET 187.

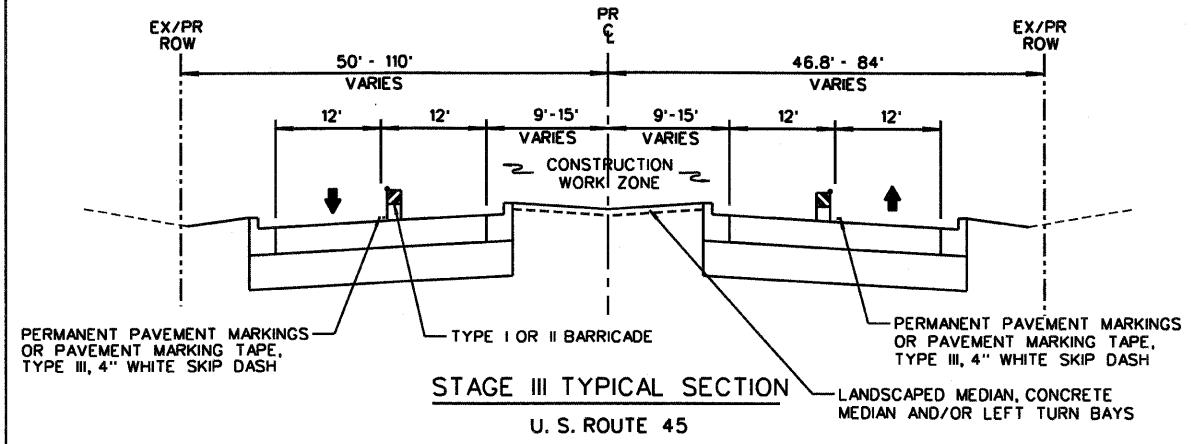
TRAFFIC DATA:
A) POSTED SPEED LIMIT - 35 MPH/40 MPH
B) AVERAGE DAILY TRAFFIC - 22,900 (2007)



- STAGE II**
1. CONSTRUCT TEMPORARY PAVEMENT ADJACENT TO THE NEWLY CONSTRUCTED P.C. CONCRETE PAVEMENT AT CENTER STREET/DEERPETH ROAD, BRAE LOCH ROAD, AND WASHINGTON STREET SHOWN ON THE PLANS.
 2. ESTABLISH TWO-WAY TRAFFIC FLOW ON NEWLY CONSTRUCTED P.C. CONCRETE PAVEMENT ALONG WEST SIDE OF U.S. ROUTE 45 AS SHOWN ON THE PLANS. AN 11' LEFT TURN LANE SHALL BE PROVIDED AT CENTER STREET/DEERPETH ROAD, BRAE LOCH ROAD, GAGES LAKE ROAD, AND WASHINGTON STREET.
 3. REMOVE THE EXISTING PAVEMENT, TEMPORARY PAVEMENT, PAVED SHOULDER, AGGREGATE SHOULDER, MEDIAN, AND CURB AND GUTTER ALONG THE EAST SIDE OF U.S. ROUTE 45.
 4. CONSTRUCT EAST SIDE STORM SEWER LATERALS AND EAST SIDE OF CULVERTS.
 5. CONSTRUCT NORTHBOUND COMBINATION CONCRETE CURB AND GUTTER AND P.C. CONCRETE PAVEMENT AS SHOWN ON THE PLANS.
 6. PLACE PERMANENT SEEDING AND SODDING ON EAST SIDE OF ROADWAY.



- STAGE III**
1. UTILIZING STANDARD 701401, MAINTAIN TWO-WAY TRAFFIC FLOW ALONG U.S. ROUTE 45 ON NEWLY CONSTRUCTED OUTSIDE TRAFFIC LANES. UTILIZE PERMANENT PAVEMENT MARKINGS WHEREVER POSSIBLE.
 2. REMOVE TEMPORARY PAVEMENT AT CENTER STREET/DEERPETH ROAD, BRAE LOCH ROAD, AND WASHINGTON STREET ROAD.
 3. CONSTRUCT REMAINING P.C. CONCRETE PAVEMENT, COMBINATION CONCRETE CURB AND GUTTER, AND MEDIANS AS SHOWN ON THE PLANS.
- STAGE IV**
1. INSTALL PERMANENT TRAFFIC SIGNALS.
 2. PLACE REMAINING PERMANENT PAVEMENT MARKINGS AND RAISED REFLECTIVE PAVEMENT MARKINGS NOT PLACED IN STAGE III.
 3. COMPLETE LANDSCAPING.
 4. OPEN ROADWAY TO TWO-WAY, FOUR-LANE TRAFFIC FLOW.



ILLINOIS DEPARTMENT OF TRANSPORTATION
SUGGESTED CONSTRUCTION PROCEDURE AND MAINTENANCE OF TRAFFIC TYPICAL SECTIONS AND NOTES
U. S. ROUTE 45

REVISIONS	NAME	DATE

SCALE: NONE
DATE: 12/14/09
DRAWN BY: MLB
CHECKED BY: MJL