

**FAYETTE AVENUE SEQUENCE OF CONSTRUCTION**

**PRE-STAGE 1:**

1. MAINTAIN TRAFFIC ON EXISTING ROADWAYS, RAMPS, AND ENTRANCES UNTIL SUCH TIME AS STAGE CONSTRUCTION OPERATIONS FOR THIS PROJECT ARE TO COMMENCE.
2. INSTALL APPROPRIATE TRAFFIC CONTROL AND PROTECTION AS SHOWN ON THE PLANS AND AS DIRECTED BY THE ENGINEER. SHIFT OR ADJUST TRAFFIC TO THE PRE-STAGE 1 TRAFFIC PATTERNS.
3. BEGIN PRE-STAGE 1 CONSTRUCTION OPERATIONS AS FOLLOWS:
  - CONSTRUCT WIDENING WITH CONCRETE PAVEMENT ALONG LEFT SIDE OF FAYETTE AVENUE.
  - REMOVE MEDIAN AND CONSTRUCT CONCRETE PAVEMENT IN MEDIANS AS SHOWN ON THE PLANS
  - CONSTRUCT TEMPORARY PIPE CULVERT AND TEMPORARY RAMP E CONNECTOR WITH CONCRETE PAVEMENT.
  - CONSTRUCT CONCRETE PAVEMENT FOR THE TEMPORARY CONNECTOR AT THE EXISTING RAMP E GORE WITH I-57/70 AS SHOWN ON PLANS.
  - CONSTRUCT PAVEMENT ON THE OUTSIDE OF I-57/70 PAVEMENTS AND RAMPS AS SHOWN.
  - PARTIALLY REMOVE MEDIANS AT THE ILLINI DRIVE INTERSECTION.
  - EXTEND EXISTING PIPE CULVERT ON RAMP C AND CONSTRUCT TEMPORARY PAVEMENT WITH CONCRETE PAVEMENT AS SHOWN ON THE PLANS.

**STAGE 1:**

1. SHIFT TRAFFIC TO THE STAGE 1 TRAFFIC PATTERN AS INDICATED WITH ONE LANE OF TRAFFIC IN EACH DIRECTION ON THE EXISTING WESTBOUND LANES OF FAYETTE AVENUE AND TEMPORARY PAVEMENT CONSTRUCTED IN PRE-STAGE
2. MAINLINE TRAFFIC SHALL REMAIN IN ORIGINAL TRAFFIC PATTERNS.
3. INSTALL TEMPORARY TRAFFIC SIGNALS AND SHIFT ILLINI DRIVE AND FRONTAGE ROAD TRAFFIC TO EAST HALF OF THE INTERSECTION AS SHOWN ON THE DETAIL PLANS.
4. CLOSE EXISTING RAMP D WHILE MAINTAINING ACCESS TO EXITING WESTBOUND FAI-57/70 ON THE TEMPORARY RAMP E CONNECTOR CONSTRUCTED IN PRE-STAGE 1 AND EXISTING RAMP E.
5. SHIFT RAMP C TRAFFIC ONTO TEMPORARY PAVEMENT CONSTRUCTED IN PRE-STAGE 1. REMOVE EXISTING GUARDRAIL AND INSTALL TEMPORARY CONCRETE BARRIER ALONG I-57/70 AT FAYETTE AVENUE BRIDGE AS SHOWN ON THE PLANS.
6. BEGIN STAGE 1 CONSTRUCTION OPERATIONS AS FOLLOWS:
  - REMOVE THE STAGE 1 PORTION OF THE EXISTING BRIDGE. (SEE BRIDGE PLANS FOR STAGING OF THIS WORK.)
  - COMPLETE THE REQUIRED EXCAVATION (AS MUCH AS FEASIBLE WITHOUT COMPROMISING THE INTEGRITY OF THE EXISTING STRUCTURE) AND CONSTRUCT THE STAGE 1 PORTION OF THE NEW BRIDGE. (SEE BRIDGE PLANS.)
  - CONSTRUCT PROPOSED EMBANKMENTS AND GRADING OPERATIONS, DRAINAGE, PAVEMENT AND CURB AND GUTTER ON EASTBOUND FAYETTE AVENUE AS SHOWN ON THE PLANS. MAINTAIN ACCESS AND CONSTRUCT ENTRANCES IN HALF-WIDTHS AS DIRECTED BY THE ENGINEER.
  - CONSTRUCT TEMPORARY PAVEMENT IN THE MEDIANS OF FAYETTE AVENUE WITH CONCRETE PAVEMENT AS SHOWN ON THE PLANS.
  - CONSTRUCT TEMPORARY PIPE CULVERT AND TEMPORARY RAMP B1 CONNECTOR WITH CONCRETE PAVEMENT AND AS SHOWN ON THE PLANS.
  - CONSTRUCT WEST HALF OF FRONTAGE ROAD WITH PROPOSED CONCRETE PAVEMENT AND CONSTRUCT TEMPORARY CONCRETE PAVEMENT RAMP AT CENTERLINE OF FAYETTE AVENUE FOR USE IN STAGE 1B.
  - REMOVE EXISTING RAMP C PAVEMENT AS NECESSARY TO CONSTRUCT RAMP C FROM STATION 11+00.00 TO FAYETTE AVENUE. EXISTING PIPE CULVERT TO REMAIN IN PLACE. CONSTRUCT RAMP C EMBANKMENT AND GRADING, STAGE 1 PORTION OF RAMP C PIPE CULVERT (SEE CULVERT PROFILE SHEET), CONSTRUCT RAMP C PAVEMENT AND SHOULDERS, AND MILL AND RESURFACE EXISTING RAMP C PAVEMENT AND SHOULDERS FROM STATION AS SHOWN ON THE PLANS.
  - CONSTRUCT THE RAMP C CONNECTOR FROM THE NEWLY CONSTRUCTED RAMP C PAVEMENT TO THE NEWLY CONSTRUCTED FAYETTE AVE. PAVEMENT AS SHOWN ON THE PLANS.
  - REMOVE THE EXISTING RAMP D PAVEMENT AND CONSTRUCT RAMP D WITH PROPOSED PAVEMENT FROM FAYETTE AVENUE TO STATION THE MAINLINE PAVEMENT. COMPLETE GRADING OPERATIONS ALONG RAMP D AND IN RAMP D INFIELD.

**STAGE 1B:**

1. MAINTAIN TRAFFIC PATTERNS ESTABLISHED DURING STAGE 1.
2. ADJUST TRAFFIC CONTROL AND TEMPORARY SIGNALS AND SHIFT THE FRONTAGE ROAD AND ILLINI DRIVE TRAFFIC TO THE WEST HALF OF THE INTERSECTION WITH FAYETTE AVE.
3. BEGIN STAGE 1B CONSTRUCTION OPERATIONS AS FOLLOWS:
  - CONSTRUCT EAST HALF OF THE FRONTAGE ROAD PROPOSED PAVEMENT TO COMPLETE THE SOUTHERN HALF OF THE INTERSECTION WITH FAYETTE AVENUE. CONSTRUCT TEMPORARY CONCRETE PAVEMENT RAMP AT THE CENTERLINE OF FAYETTE AVE. FOR USE IN LATER STAGES.
  - CONSTRUCT TEMPORARY HOT-MIX ASPHALT RAMP AT EXISTING RAMP A INTERSECTION WHILE UNDER TRAFFIC AS SHOWN ON THE PLANS.
  - SHIFT RAMP C TRAFFIC ONTO NEWLY CONSTRUCTED RAMP C PAVEMENT AND TEMPORARY CONNECTOR TO ITS TEMPORARY INTERSECTION WITH FAYETTE AVE.
  - CONSTRUCT THE PROPOSED PAVEMENT PLUG ON FAYETTE AVE. FROM STATION 52+95.00 TO STATION 54+00.00 AS SHOWN ON THE PLANS.
  - REMOVE ANY REMAINING RAMP C EXISTING AND TEMPORARY PAVEMENT. COMPLETE STAGE 1B PORTION OF RAMP C CULVERT (SEE CULVERT PROFILE), AND COMPLETE THE SHOULDER AND FINAL GRADING OPERATIONS ALONG RAMP C. EXISTING RAMP C PIPE CULVERT TO BE ABANDONED.

**PRE-STAGE 2:**

1. MAINLINE FAI-57/70 TRAFFIC TO BE MAINTAINED ON EXISTING PAVEMENTS AND ROADWAYS.
2. ADJUST TRAFFIC CONTROL, INSTALL TEMPORARY SIGNALS AT THE TEMPORARY INTERSECTION FOR RAMPS B AND C, AND SHIFT TRAFFIC ONTO EXISTING PAVEMENTS, NEWLY CONSTRUCTED PROPOSED PAVEMENT, BRIDGE AND TEMPORARY CONNECTOR PAVEMENTS OF FAYETTE AVENUE AS SHOWN ON THE PLANS. ALL PRE-STAGE TRAFFIC PATTERNS ON FAYETTE AVENUE SHALL CONFORM TO THE STAGE 2 PATTERNS AS SHOWN ON THE MAINTENANCE OF TRAFFIC PLANS FOR STAGE 2.
3. TRAFFIC ON THE FRONTAGE ROAD AND ILLINI DRIVE INTERSECTION WITH FAYETTE AVE IS TO REMAIN ON WEST HALF OF INTERSECTION AS SHOWN ON PLANS.

4. CLOSE THE EXISTING RAMP E AND REMOVE TEMPORARY CONNECTOR ACCESS TO WESTBOUND FAI-57/70. OPEN PROPOSED RAMP D TO TRAFFIC.
5. BEGIN PRE-STAGE 2 CONSTRUCTION OPERATIONS AS FOLLOWS:
  - REMOVE THE REMAINDER OF EXISTING BRIDGE INCLUDING SUBSTRUCTURE UNITS.
  - ADJUST TRAFFIC CONTROL AS NECESSARY AND CONSTRUCT THE TEMPORARY PAVEMENT PLUG AT THE OUTSIDE SHOULDER AREA OF THE EASTBOUND LANES OF THE MAINLINE PAVEMENTS. ADJUSTMENTS TO TRAFFIC CONTROL UNDER THIS ITEM SHALL MEET THE APPROVAL OF THE ENGINEER.
  - ADJUST ANY TEMPORARY TRAFFIC CONTROL MEASURES AT THE OUTSIDE SHOULDER AREA OF THE EASTBOUND LANES AND REINSTATE TRAFFIC CONTROL AND PROTECTION FOR STAGE 1 IN THIS AREA.
  - CONSTRUCT THE STAGE 2 PORTION OF THE PROPOSED PIERS, ABUTMENTS AND ERECTION OF STRUCTURAL STEEL FOR THE PROPOSED FAYETTE AVENUE STRUCTURE.

**STAGE 2:**

1. MAINTAIN TRAFFIC ON ALL ROADWAYS IN THE PATTERNS ESTABLISHED IN PRE-STAGE 2. DURING THIS STAGE, CONSTRUCTION AND STAGE CONSTRUCTION OPERATIONS BY OTHERS ON THE MAINLINE PAVEMENTS MAY BE INITIATED. THIS WILL REQUIRE SHIFTING OF THE MAINLINE TRAFFIC LANES AND ALL REQUIRED TRAFFIC CONTROL AND PROTECTION REQUIRED TO SHIFT TRAFFIC WILL BE INSTALLED BY OTHERS.
2. BEGIN STAGE 2 CONSTRUCTION OPERATIONS AS FOLLOWS.
  - CONSTRUCT PROPOSED EMBANKMENT AND PERFORM GRADING OPERATIONS ON THE STAGE 2 SIDE OF FAYETTE AVE. CONSTRUCT PROPOSED DRAINAGE, WESTBOUND PROPOSED CONCRETE PAVEMENT AND CURB AND GUTTER ON FAYETTE AVENUE AS SHOWN ON PLANS. CONSTRUCT ENTRANCES ON LEFT SIDE OF FAYETTE AVE. IN HALF-WIDTHS AS DIRECTED BY THE ENGINEER.
  - CONSTRUCT TEMPORARY PAVEMENT IN MEDIAN ON FAYETTE AVENUE FROM STATION 43+76.96 TO STATION 45+90.38 AS SHOWN ON PLANS.
  - CONSTRUCT EAST HALF OF ILLINI DRIVE WITH PROPOSED CONCRETE PAVEMENT. CONSTRUCT EMBANKMENTS, GRADING AND PROPOSED CONCRETE PAVEMENT FOR RAMP A FROM STATION 12+40.00 TO FAYETTE AVENUE AS SHOWN ON PLANS.
  - CONSTRUCT GRADING, TEMPORARY DRAINAGE AND TEMPORARY PAVEMENT FOR THE RAMP A CONNECTOR ADJACENT TO EXISTING RAMP A AS SHOWN ON PLANS.
  - CONSTRUCT EMBANKMENT, GRADING AND PROPOSED CONCRETE PAVEMENT FOR RAMP B FROM FAYETTE AVENUE TO STATION 13+15.00.
  - CONSTRUCT TEMPORARY CONCRETE PAVEMENT FOR THE TEMPORARY RAMP B CONNECTOR ADJACENT TO EXISTING RAMP B AS SHOWN ON PLANS.
  - COMPLETE THE REMAINDER OF THE FAYETTE AVENUE STRUCTURE.

**STAGE 2B:**

1. MAINTAIN TRAFFIC PATTERNS ESTABLISHED IN STAGE 2.
2. ADJUST TRAFFIC CONTROL AND THE TEMPORARY SIGNALS AT THE ILLINI DRIVE AND FAYETTE AVE. INTERSECTION. SHIFT THE ILLINI DRIVE AND FRONTAGE RD. TRAFFIC TO THE EAST SIDE OF THE INTERSECTION.
3. BEGIN STAGE 2B CONSTRUCTION OPERATIONS AS FOLLOWS:
  - CONSTRUCT THE WEST SIDE OF ILLINI DRIVE, INSTALL TRAFFIC SIGNALS AND COMPLETE THE INTERSECTION WITH FAYETTE AVENUE.
  - ADJUST TRAFFIC CONTROL AND SHIFT RAMP A TRAFFIC ONTO NEWLY CONSTRUCTED RAMP A TEMPORARY CONNECTOR AND CONCRETE PAVEMENT THAT WERE CONSTRUCTED IN STAGE 2.
  - CONSTRUCT PROPOSED CONCRETE PAVEMENT PLUG FROM STATION 42+55.00 TO STATION 43+61.20 ON FAYETTE AVE. AND INSTALL THE PROPOSED TRAFFIC SIGNALS AT THE RAMPS A AND D INTERSECTION ON FAYETTE AVENUE AS SHOWN ON PLANS.
  - ADJUST TRAFFIC CONTROL AND SHIFT RAMP B AND RAMP C TRAFFIC ONTO NEWLY CONSTRUCTED RAMP B TEMPORARY CONNECTOR AND CONCRETE PAVEMENTS FOR RAMPS B AND C THAT WERE CONSTRUCTED IN STAGES 1 AND 2.
  - REMOVE EXISTING RAMP B1 TEMPORARY CONNECTOR AND EXISTING RAMP B PAVEMENT. COMPLETE GRADING OPERATIONS ALONG THE NORTH SIDE OF FAYETTE AVE.
  - REMOVE THE EXISTING RAMP C TEMPORARY CONNECTOR AND COMPLETE GRADING OPERATIONS ALONG THE SOUTH SIDE OF FAYETTE AVE.
  - CONSTRUCT PROPOSED PAVEMENT PLUG FROM STATION 54+90.00 TO STATION 56+10.00 ON FAYETTE AVENUE AS SHOWN ON PLANS.

**STAGE 3:**

1. ADJUST TRAFFIC CONTROL, ACTIVATE SIGNALS AND SHIFT TRAFFIC INTO FINAL TRAFFIC LANES ON FAYETTE AVENUE. CONTRACTOR MAY CLOSE ONE LANE OF TRAFFIC IN EACH DIRECTION DURING WORKING HOURS ONLY FOR CONSTRUCTION IN THIS STAGE AS APPROVED BY THE ENGINEER.
2. BEGIN STAGE 3 CONSTRUCTION OPERATIONS AS FOLLOWS:
  - CONSTRUCT PROPOSED RAISED MEDIAN, CORRUGATED MEDIAN AND REMAINING CURB AND GUTTER ON FAYETTE AVENUE.
  - REMOVE ANY EXISTING RAMP A PAVEMENT TO LIMITS SHOWN IN REMOVAL SHEETS.
  - COMPLETE OPERATIONS ALONG RAMP A AND IN RAMP A INFIELD AND OUTFIELD AREAS.
  - REMOVE ANY REMAINING RAMP B EXISTING PAVEMENT TO LIMITS SHOWN IN REMOVAL SHEETS.
  - COMPLETE GRADING OPERATIONS ALONG RAMP B AND IN RAMP B INFIELD.

**GENERAL STAGING NOTES**

1. ONE LANE OF TRAFFIC WILL BE MAINTAINED THROUGH OR AROUND THE PROJECT AREA AT ALL TIMES. ACCESS FROM FAYETTE AVENUE TO ALL EXISTING PROPERTIES THAT ARE TO REMAIN AND CURRENTLY HAVE ACCESS FROM FAYETTE AVENUE SHALL BE MAINTAINED AT ALL TIMES, EXCEPT AS OTHERWISE NOTED.
2. ADEQUATE DRAINAGE SHALL BE MAINTAINED AS SHOWN IN THE PLANS OR AS DIRECTED BY THE ENGINEER.
3. A FLAGMAN SHALL BE REQUIRED IN ADVANCE OF ANY WORK AREA WHERE CONSTRUCTION VEHICLES ARE FREQUENTLY ENTERING OR LEAVING THE WORK SITE AND AT LOCATIONS DESIGNATED BY THE ENGINEER. COST OF THE FLAGMAN IS INCLUDED IN THE ASSOCIATED TRAFFIC CONTROL PAY ITEM.
4. THE MAINTENANCE OF TRAFFIC DRAWINGS PROVIDE FOR TEMPORARY SIGNS. IT MAY BE NECESSARY TO RELOCATE AND/OR REINSTALL TEMPORARY OR EXISTING SIGNS AS DIRECTED BY THE ENGINEER. COST IS INCLUDED IN THE ASSOCIATED TRAFFIC CONTROL PAY ITEM.
5. CONSTRUCTION SIGNS INDICATED FOR MAINTENANCE OF TRAFFIC SHALL BE INSTALLED ON MAINLINE WHEN CONSTRUCTION OPERATIONS ARE INITIATED AND SHALL BE PROPERLY MAINTAINED THROUGHOUT EACH CONSTRUCTION STAGE.
6. ALL SIGNS TO BE INSTALLED ON HARD SURFACES SHALL BE MOUNTED ON PORTABLE SKIDS OR TRIPODS MEETING THE APPROVAL OF THE ENGINEER.
7. ALL TEMPORARY PAVEMENTS ARE PORTLAND CEMENT CONCRETE PAVEMENT 12" WITH PAVEMENT FABRIC.
8. ALL TEMPORARY MOT PADS SHALL BE CONSTRUCTED OF 8" AGGREGATE BASE COURSE WITH 2" INCIDENTAL HOT-MIX SURFACING.
9. PROVISIONS FOR LIGHTING DURING STAGE CONSTRUCTION OPERATIONS FOR THIS PROJECT HAVE BEEN INCLUDED IN THE LIGHTING PLANS.

**INDEX OF SHEETS**

75	SEQUENCE OF CONSTRUCTION
76-90	MAINTENANCE OF TRAFFIC - PRE-STAGE 1
91-111	MAINTENANCE OF TRAFFIC - STAGE 1
112-113	MAINTENANCE OF TRAFFIC - PRE-STAGE 2
114-132	MAINTENANCE OF TRAFFIC - STAGE 2
133-143	MAINTENANCE OF TRAFFIC - STAGE 3
144-146	MAINTENANCE OF TRAFFIC - TEMPORARY CONNECTOR PROFILES
538-705	CROSS SECTIONS MOT - FAYETTE
706-759	CROSS SECTIONS MOT - MAINLINE
760-778	CROSS SECTIONS MOT - RAMP A
779-783	CROSS SECTIONS MOT - RAMP B
784-786	CROSS SECTIONS MOT - RAMP B1 CONNECTOR
787-812	CROSS SECTIONS MOT - RAMP C
813-819	CROSS SECTIONS MOT - RAMP C1 CONNECTOR
820-823	CROSS SECTIONS MOT - RAMP E CONNECTOR
824-837	CROSS SECTIONS MOT - SOUTH FRONTAGE ROAD AND ILLINI DRIVE
838-839	CROSS SECTIONS MOT - BIKE TRAIL

FILE NAME =	USER NAME = paul	DESIGNED - JWS	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>FAYETTE AVENUE SEQUENCE OF CONSTRUCTION</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S:\Projects\403-00072-57-70\dm\Fayette\seq-constr.dgn	DRAWN - PDB	REVISED -	57/70			(25-3)-6	EFFINGHAM	839	75	
PLOT SCALE = 1/8"=1'-0"	CHECKED - BRM	REVISED -	<b>CONTRACT NO. 74293</b>							
PLOT DATE = 6/25/2010	DATE - 10-27-08	REVISED -	SCALE: 1"=50'			SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	