

MAINTENANCE OF TRAFFIC SUGGESTED STAGING

PRE-STAGE

CONSTRUCTION:

1. CONSTRUCT PROPOSED MEDIAN DRAINAGE STRUCTURES AND STORM SEWER PAVEMENT CROSSINGS AND TEMPORARY PAVEMENT PATCHES, THAT THE ENGINEER CONCURS MUST BE CONSTRUCTED IN ADVANCE OF SUBSEQUENT CONSTRUCTION STAGES, PRIOR TO STARTING THE TEMPORARY PAVEMENT CONSTRUCTION.
2. CONSTRUCT TEMPORARY DITCHES, SWALES, AND PIPE CULVERTS AS REQUIRED TO MAINTAIN DRAINAGE.
3. CONSTRUCT TEMPORARY PAVEMENT WIDENING AND SHOULDERS ADJACENT TO BOTH SIDES OF THE EXISTING SB MANNHEIM RD TRAFFIC LANES FOR NB & SB TRAFFIC USE DURING STAGE 1.
4. CONSTRUCT TEMPORARY PAVEMENT WIDENING AND SHOULDER ADJACENT TO THE MEDIAN SIDE OF EXISTING NB MANNHEIM RD TRAFFIC LANES FOR NB TRAFFIC ACCESS TO I-190 INTERCHANGE RAMP.
5. CONSTRUCT TEMPORARY CURB AND GUTTER AND TEMPORARY PAVEMENT WIDENING ADJACENT TO LAWRENCE AVE.
6. CONSTRUCT TEMPORARY TRAFFIC SIGNALS AT MONTROSE AVE AND LAWRENCE AVE.
7. CONSTRUCT TEMPORARY RAMPS FOR NB MANNHEIM RD ACCESS TO EB I-190 AS SHOWN ON THE PLANS.

TRAFFIC CONTROL:

1. MAINTAIN TRAFFIC ON EXISTING PAVEMENT.
2. ESTABLISH TRAFFIC CONTROL & PROTECTION IN ACCORDANCE WITH THE APPLICABLE HIGHWAY STANDARDS FOR A MULTILANE TEMPORARY ONE LANE CLOSURE DURING THE ALLOWABLE LANE CLOSURE HOURS SPECIFIED IN THE SPECIAL PROVISION FOR KEEPING ARTERIAL ROADWAYS OPEN TO TRAFFIC.

STAGE 1

CONSTRUCTION:

1. CONSTRUCT NB MANNHEIM RD PAVEMENT AND SHOULDER AND TEMPORARY PAVEMENT AS SHOWN ON THE PLANS.
2. CONSTRUCT EASTBOUND LAWRENCE AVENUE PAVEMENT, CURB AND GUTTER.
3. CONSTRUCT EAST PORTION OF BALMORAL UNDERPASS BRIDGE AND PAVEMENT AS SHOWN IN THE PLANS.
4. CONSTRUCT NB MANNHEIM RD TO BALMORAL AVE EXIT RAMP PAVEMENT.
5. CONSTRUCT BALMORAL AVE TO NB MANNHEIM ROAD ENTRANCE RAMP PAVEMENT.
6. CONSTRUCT NB MANNHEIM RD EXIT RAMP PAVEMENT TO I-190 EB AS SHOWN ON THE PLANS.

TRAFFIC CONTROL:

1. COORDINATE MAINTENANCE OF TRAFFIC WITH ADJACENT CONTRACTOR.
2. ESTABLISH TRAFFIC CONTROL & PROTECTION FOR STAGE 1 AND ALL SUBSEQUENT STAGES AND SUB-STAGES IN ACCORDANCE WITH THE APPLICABLE HIGHWAY STANDARDS AND THE SPECIAL PROVISION FOR KEEPING ARTERIAL ROADWAYS OPEN TO TRAFFIC.
3. INSTALL VERTICAL PANELS, REMOVE CONFLICTING PAVEMENT MARKING, INSTALL TEMPORARY PAVEMENT MARKING EDGE LINES AND LANE LINES FOR SB MANNHEIM RD STAGE 1 TRAFFIC CONFIGURATION.
4. SHIFT SB MANNHEIM RD TRAFFIC TO WIDENED EXISTING SB PAVEMENT BETWEEN IRVING PARK ROAD AND I-190.

5. PLACE TEMPORARY CONCRETE BARRIER, REMOVE CONFLICTING PAVEMENT MARKING, INSTALL EDGE LINES AND LANE LINES FOR NB MANNHEIM RD STAGE 1 TRAFFIC CONFIGURATION.
6. ERECT DETOUR SIGNING FOR NB MANNHEIM RD TO BALMORAL AVE EXIT RAMP, AND BALMORAL AVE TO NB MANNHEIM RD, ENTRANCE RAMP AS SHOWN ON THE PLANS.
7. CLOSE NB MANNHEIM RD TO BALMORAL EXIT RAMP AND BALMORAL AVENUE TO NB MANNHEIM ROAD ENTRANCE RAMP. DETOUR TRAFFIC AS SHOWN ON THE PLANS.
8. SHIFT NB MANNHEIM RD TRAFFIC TO WIDENED EXISTING SB PAVEMENT BETWEEN IRVING PARK ROAD AND I-190.
9. MAINTAIN TWO LANES OF TRAFFIC IN EACH DIRECTION OF MANNHEIM RD ON EXISTING SB PAVEMENT. UTILIZE TEMPORARY RAMP FOR NB MANNHEIM RD TRAFFIC ACCESS TO I-190 INTERCHANGE RAMP.
10. MAINTAIN ONE AUXILIARY LANE OF TRAFFIC FOR COLLECTOR -DISTRIBUTOR ROADWAY (C-D ROADWAY) IN THE NB DIRECTION FOR TRAFFIC ACCESS TO I-190 AT MANNHEIM INTERCHANGE.

STAGE 1 - SUB-STAGE A

CONSTRUCTION:

1. CONSTRUCT NB MANNHEIM RD PAVEMENT AND SHOULDER AND TEMPORARY PAVEMENT AS SHOWN ON THE PLANS.
2. CONSTRUCT CENTER PORTION OF LAWRENCE AVENUE PAVEMENT AS SHOWN ON THE PLANS.
3. CONTINUE CONSTRUCTION OF BALMORAL UNDERPASS BRIDGE AND PAVEMENT AS SHOWN ON THE PLANS.

TRAFFIC CONTROL:

1. COORDINATE MAINTENANCE OF TRAFFIC WITH ADJACENT CONTRACTOR.
2. SHIFT TRAFFIC FROM TEMPORARY EXIT RAMPS FOR NB MANNHEIM RD TO I-190 EB TO PROPOSED RAMP AS SHOWN ON THE PLANS.
3. MAINTAIN TWO LANES OF TRAFFIC IN EACH DIRECTION OF MANNHEIM RD ON EXISTING SB PAVEMENT.
4. ERECT DETOUR SIGNING FOR EB I-190 TO NB MANNHEIM RD EXIT RAMP AS SHOWN ON THE PLANS.
5. CLOSE EB I-190 TO NB MANNHEIM RD RAMP. DETOUR TRAFFIC AS SHOWN ON THE PLANS.

STAGE 1 - SUB-STAGE B

CONSTRUCTION:

1. CONSTRUCT NB MANNHEIM RD PAVEMENT AND SHOULDER AND TEMPORARY PAVEMENT AS SHOWN ON THE PLANS.
2. CONSTRUCT WB PORTION OF LAWRENCE AVENUE PAVEMENT, CURB AND GUTTER AS SHOWN ON THE PLANS.
3. COMPLETE CONSTRUCTION OF EAST PORTION OF BALMORAL UNDERPASS BRIDGE.

TRAFFIC CONTROL:

1. COORDINATE MAINTENANCE OF TRAFFIC WITH ADJACENT CONTRACTOR.
2. SHIFT THE LOCATION OF NB MANNHEIM RD TRAFFIC TO THE C-D ROADWAY IN NB DIRECTION INTERCHANGE FOR ACCESS TO I-190 AT MANNHEIM RD INTERCHANGE.
3. MAINTAIN TWO LANES OF TRAFFIC IN EACH DIRECTION OF MANNHEIM RD ON EXISTING SB PAVEMENT.
4. OPEN BALMORAL AVE RAMP TO NB MANNHEIM RD TO TRAFFIC AND REMOVE DETOUR SIGNING. OPEN EB I-190 TO NB MANNHEIM RD RAMP TO TRAFFIC AND REMOVE OR COVER DETOUR SIGNING.

STAGE 1 - SUB-STAGE C

CONSTRUCTION:

1. CONSTRUCT REMAINING PORTION OF NB LT SHOULDER AND TEMPORARY PAVEMENT AS SHOWN ON THE PLANS.

TRAFFIC CONTROL:

1. COORDINATE MAINTENANCE OF TRAFFIC WITH ADJACENT CONTRACTOR.
2. SHIFT NB MANNHEIM RD TRAFFIC FROM THE TEMPORARY WIDENED SB PAVEMENT TO THE NEW NB PAVEMENT AND SHOULDERS AS SHOWN ON THE PLANS.
3. MAINTAIN TWO LANES OF TRAFFIC IN THE SB DIRECTION OF MANNHEIM RD ON EXISTING SB PAVEMENT.
4. MAINTAIN TWO LANES OF TRAFFIC IN THE NB DIRECTION OF MANNHEIM RD ON THE NEW NB PAVEMENT AND SHOULDERS.

STAGE 2

CONSTRUCTION:

1. CONSTRUCT SB PAVEMENT AND SHOULDER AS SHOWN ON THE PLANS.
2. CONSTRUCT WB PORTION OF MONTROSE AVENUE PAVEMENT, CURB AND GUTTER AS SHOWN ON THE PLANS.

TRAFFIC CONTROL:

1. COORDINATE MAINTENANCE OF TRAFFIC WITH ADJACENT CONTRACTOR.
2. SHIFT SB MANNHEIM RD TRAFFIC FROM THE TEMPORARY WIDENED SB PAVEMENT TO THE NEW NB PAVEMENT AND SHOULDERS AS SHOWN ON THE PLANS.
3. MAINTAIN TWO LANES OF TRAFFIC IN EACH DIRECTION OF MANNHEIM RD ON NEW NB PAVEMENT AND SHOULDERS.
4. MAINTAIN ONE AUXILIARY LANE OF TRAFFIC FOR A COLLECTOR - DISTRIBUTOR ROADWAY (C-D ROADWAY) IN THE SB DIRECTION FOR TRAFFIC ACCESS TO I-190 AT MANNHEIM RD INTERCHANGE
5. ERECT EB I-190 TO NB MANNHEIM RD DETOUR SIGNING AS SHOWN IN THE PLANS.
6. CLOSE EB I-190 TO NB MANNHEIM RD RAMP, DETOUR TRAFFIC AS SHOWN ON THE PLANS.

STAGE 2 - SUB-STAGE A

CONSTRUCTION

1. CONTINUE CONSTRUCTION OF SB PAVEMENT AND SHOULDER AS SHOWN ON THE PLANS.
2. CONSTRUCT SB MANNHEIM RD TO EB I-190 EXIT RAMP AS SHOWN ON THE PLANS.
3. CONSTRUCT RAMP F TO SB MANNHEIM RD ENTRANCE RAMP AS SHOWN ON THE PLANS.
4. CONSTRUCT THE CENTER PORTION OF MONTROSE AVENUE AS SHOWN ON THE PLANS.

TRAFFIC CONTROL:

1. COORDINATE MAINTENANCE OF TRAFFIC WITH ADJACENT CONTRACTOR.
2. ERECT DETOUR SIGNING FOR SB MANNHEIM RD TO EB I-190 RAMP AS SHOWN ON THE PLANS.
3. CLOSE SB MANNHEIM RD TO EB I-190 EXIT RAMP. DETOUR TRAFFIC AS SHOWN ON THE PLANS.
4. ERECT DETOUR SIGNING FOR RAMP F TO SB MANNHEIM RD ENTRANCE RAMP AS SHOWN ON THE PLANS.

5. CLOSE RAMP F TO SB MANNHEIM RD ENTRANCE RAMP. DETOUR TRAFFIC AS SHOWN ON THE PLANS.
6. MAINTAIN TWO LANES OF TRAFFIC IN EACH DIRECTION OF MANNHEIM RD ON THE NEW NB PAVEMENT AND SHOULDERS.

STAGE 2 - SUB-STAGE B

CONSTRUCTION:

1. CONTINUE CONSTRUCTION OF SB PAVEMENT AND SHOULDER AS SHOWN ON THE PLANS.
2. CONSTRUCT EB PORTION OF MONTROSE AVE PAVEMENT, CURB AND GUTTER AS SHOWN ON THE PLANS.

TRAFFIC CONTROL:

1. COORDINATE MAINTENANCE OF TRAFFIC WITH ADJACENT CONTRACTOR.
2. OPEN SB MANNHEIM RD TO EB I-190 RAMP AND RAMP F TO SB MANNHEIM ROAD ENTRANCE RAMP TO TRAFFIC AND REMOVE DETOUR SIGNING AND OPEN EB I-190 TO NB MANNHEIM ROAD RAMP TO TRAFFIC AND REMOVE OR COVER DETOUR SIGNING.
3. SHIFT SB MANNHEIM ROAD TRAFFIC FROM THE NEW NB PAVEMENT AND SHOULDER TO THE NEW SB PAVEMENT AT THE I-190 INTERCHANGE AS SHOWN ON THE PLANS.
4. MAINTAIN TWO LANES OF TRAFFIC IN EACH DIRECTION OF MANNHEIM RD ON THE NEW NB PAVEMENT AND SHOULDERS.

STAGE 3

CONSTRUCTION:

1. CONSTRUCT MEDIAN SHOULDER AND CONCRETE BARRIER WALL OR MEDIAN CURB AND GUTTER AND MEDIAN LANDSCAPING AS SHOWN ON THE PLANS.

TRAFFIC CONTROL:

1. COORDINATE MAINTENANCE OF TRAFFIC WITH ADJACENT CONTRACTOR.
2. SHIFT SB MANNHEIM RD TRAFFIC FROM THE NEW NB PAVEMENT TO THE NEW SB OUTSIDE PAVEMENT LANES 2 AND 3 AS SHOWN ON THE PLANS.
3. SHIFT NB MANNHEIM RD TRAFFIC FROM THE NB PAVEMENT AND SHOULDER TO THE NB OUTSIDE PAVEMENT LANES 2 AND 3 AS SHOWN ON THE PLANS.
4. ERECT OR UNCOVER DETOUR SIGNING FOR EB I-190 TO NB MANNHEIM RD EXIT RAMP AS SHOWN ON THE PLANS.
5. CLOSE EB I-190 TO NB MANNHEIM RD RAMP. DETOUR TRAFFIC AS SHOWN ON THE PLANS.

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC
SUGGESTED STAGING**

SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0105 WRS&HB	COOK	605	90
			CONTRACT NO. 60G37	
		ILLINOIS	FED. AID PROJECT	

MOT-02

