

MAINTENANCE OF TRAFFIC GENERAL NOTES

1. THE TRAFFIC CONTROL PLANS SHALL SERVE AS A GUIDE FOR SAFE DIVERSION OF TRAFFIC DURING EXECUTION OF THIS CONTRACT. HOWEVER, THE CONTRACTOR MAY MODIFY THE TRAFFIC CONTROL PLANS TO MEET CONSTRUCTION NEEDS BUT NOT AT THE EXPENSE OF PUBLIC SAFETY OR CONVENIENCE. ANY CHANGES TO THE TRAFFIC CONTROL PLAN SHALL BE SUBMITTED TO THE ENGINEER AND THE COUNTY FOR APPROVAL.
2. THE ENGINEER SHALL BE INFORMED 48 HOURS IN ADVANCE OF ANY CHANGE TO THE STAGING PLANS.
3. CONTRACTOR SHALL MAINTAIN A MINIMUM OF ONE THROUGH LANE IN EACH DIRECTION THROUGHOUT THE PROJECT AREA AT ALL TIMES.
4. THE CONTRACTOR SHALL BE REQUIRED TO MAINTAIN ACCESS TO ALL ENTRANCES, APPROACHES, AND TEMPORARY ROADS WITHIN THE PROJECT LIMITS. THIS WORK IS TO BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR TEMPORARY ACCESS (PRIVATE ENTRANCE), TEMPORARY ACCESS (COMMERCIAL ENTRANCE), OR TEMPORARY ACCESS (ROAD).
5. VERTICAL PANELS SHALL BE PROVIDED AS SHOWN IN THE PLANS AND SPACED 50 FT CENTER TO CENTER.
6. ALL EXISTING SIGNS THAT CONFLICT WITH THE TRAFFIC CONTROL PLAN SHALL BE COVERED OR REMOVED IN ACCORDANCE WITH ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS.
7. THE CONTRACTOR SHALL PROVIDE, INSTALL, MAINTAIN AND REMOVE ALL SIGNS AND SIGN SUPPORTS REQUIRED FOR TRAFFIC CONTROL AND PROTECTION. THIS WORK SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER LUMP SUM FOR "TRAFFIC CONTROL AND PROTECTION (SPECIAL)".
8. THE CONTRACTOR SHALL PLACE A CHANGEABLE MESSAGE SIGN AT THE BEGINNING OF THE PROJECT, THE WEST LEG OF ACKMAN ROAD, THE WEST LEG OF McHENRY AVENUE, THE NORTH AND SOUTH LEGS OF PYOTT ROAD, VIRGINIA ROAD, PINGREE ROAD, AND IL ROUTE 31, THE END OF THE PROJECT, AND ONE SIGN TO BE PLACED AT THE ENGINEER'S DISCRETION IN ORDER TO INFORM MOTORISTS OF UPCOMING CONSTRUCTION ACTIVITIES. THE MESSAGE SIGNS WITH THE APPROPRIATE INFORMATION SHALL BE IN PLACE TWO WEEKS BEFORE START OF CONSTRUCTION ACTIVITY. THIS WORK IS TO BE PAID FOR AT THE CONTRACT UNIT PRICE PER CALENDAR MONTH FOR "CHANGEABLE MESSAGE SIGN".
9. THE CONTRACTOR SHALL PLACE "CAUTION NEW LANES OPEN" SIGNS AT EVERY ENTRANCE AND SIDE ROADS AT THE TIME OF OPENING NEW LANES TO TRAFFIC AND/OR AS DIRECTED BY THE ENGINEER. SEE TEMPORARY INFORMATION SIGN DETAIL FOR FURTHER INFORMATION.
10. THE CONTRACTOR SHALL PLACE "DRIVEWAY ENTRANCE" SIGNS AT EVERY COMMERCIAL ENTRANCE WITHIN THE PROJECT LIMITS WHERE ENTRANCE IS OBSTRUCTED DUE TO CONSTRUCTION AND/OR AS DIRECTED BY THE ENGINEER. SEE TEMPORARY INFORMATION SIGNS DETAIL FOR FURTHER INFORMATION.
11. ALL TEMPORARY INFORMATION SIGNS SHALL BE PAID FOR SEPARATELY AT THE UNIT PRICE PER SQUARE FOOT FOR "TEMPORARY INFORMATION SIGNING".
12. BARRICADES: THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SANDBAGS ON EACH TYPE I OR TYPE II BARRICADE USED - ONE (1) WEIGHTED SAND BAG ACROSS EACH BOTTOM RAIL.
13. ALL TEMPORARY CONCRETE BARRIERS SHALL BE EQUIPPED WITH A 6 IN. PAINTED STRIPE, TYPE C REFLECTORS, AND A STEADY BURNING LIGHT. THIS WORK SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER FOOT FOR "TEMPORARY CONCRETE BARRIER".
14. THE CONTRACTOR SHALL USE LEG EXTENSIONS FOR TYPE II BARRICADES OR PROVIDE A 2 FT WIDTH EARTH FILL PAD FOR DRUMS TO MEET MINIMUM BARRICADE HEIGHT (SEE STAGING TYPICAL CROSS SECTION SHEETS). THIS WORK SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER LUMP SUM FOR "TRAFFIC CONTROL AND PROTECTION SPECIAL".
15. TRAFFIC CONDITIONS, ACCIDENTS, AND OTHER UNFORESEEN EMERGENCY CONDITIONS MAY REQUIRE THE ENGINEER TO RESTRICT, MODIFY, OR REMOVE LANE CLOSURES OR CHANNELIZATION SHOWN IN THE PLANS. THE CONTRACTOR SHALL MAKE THE NECESSARY ADJUSTMENTS AS DIRECTED BY THE ENGINEER WITHOUT DELAY. THE CONTRACTOR SHALL RESPOND TO ANY REQUEST MADE BY THE ENGINEER FOR CORRECTION WITHIN TWO HOURS FROM THE TIME OF NOTIFICATION.
16. THE REMOVAL OF ALL PAVEMENT MARKING ON IL ROUTE 31 PCC PAVEMENT THAT IS TO REMAIN IN PLACE MUST BE DONE USING WATER BLASTING WITH VACUUM RECOVERY, AND IT WILL BE PAID AS "PAVEMENT MARKING REMOVAL".
17. ALL TEMPORARY PAVEMENT MARKINGS PROPOSED WITHIN THE WORK AREA SHALL BE COMPLETED PRIOR TO THE CONSTRUCTION PHASE CHANGE.
18. WHEN ARTIFICIAL LIGHTING IS USED IN NIGHT OPERATIONS THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS IN PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.

MAINTENANCE OF TRAFFIC GENERAL NOTES CONTINUED

19. ANY SAWCUTTING OF THE EXISTING PAVEMENT FOR STAGE CONSTRUCTION SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER SQUARE YARD FOR "PAVEMENT REMOVAL"
20. ALL DRAINAGE STRUCTURES THAT ARE REQUIRED TO BE INSTALLED IN THE PRE-STAGE TO MAINTAIN POSITIVE DRAINAGE AND ARE IN THE PROPOSED TEMPORARY PAVEMENT ARE REQUIRED TO BE ADJUSTED TO THE PROPOSED TEMPORARY PAVEMENT ELEVATION WITH A TYPE 1 FRAME, OPEN LID AND THEN ADJUSTED TO FINAL GRADE WITH THE PLAN FRAME AND GRATE ONCE THE TEMPORARY PAVEMENT IS REMOVED.
21. THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC CONTROL SUPERVISOR AT (847) 705-4470 A MINIMUM OF 72 HOURS PRIOR TO THE PLACEMENT OF ANY TEMPORARY TRAFFIC CONTROL DEVICES.

SEQUENCE OF CONSTRUCTION

PRE-STAGE

- CONSTRUCTION**
- (1) PREPARE THE SIGNALS AT THE INTERSECTIONS OF ACKMAN ROAD, McHENRY AVENUE, PYOTT ROAD, VIRGINIA ROAD, PINGREE ROAD, AND IL ROUTE 31 PER THE TEMPORARY SIGNAL PLANS.
 - (2) INSTALL PROPOSED MAINLINE DRAINAGE STRUCTURES AND STORM SEWER PER PLAN.
 - (3) IN ORDER TO COMPLETE THE MAINLINE STORM SEWER TO THE OUTLETS, IT IS ANTICIPATED THAT THE CONTRACTOR WILL HAVE TO PATCH THE EXISTING PAVEMENT AT SOME LOCATIONS. THIS WORK SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR CLASS D PATCHES OF THE TYPE AND THICKNESS SPECIFIED.
 - (4) PREPARE THE MAINLINE WESTBOUND SHOULDER AND INTERSECTIONS FOR STAGE 1 TRAFFIC WITH TEMPORARY PAVEMENT. SEE MAINTENANCE OF TRAFFIC PLAN SHEETS FOR LOCATIONS.
 - (5) CONSTRUCT TEMPORARY PAVEMENT AT LOCATIONS SHOWN IN THE PLANS.
 - (6) REMOVE CONFLICTING EXISTING SIGNS LOCATED ALONG EASTBOUND AND WESTBOUND MAINLINE. RELOCATE EXISTING SIGNS AS NEEDED.
 - (7) REMOVE ALL EXISTING RAISED PAVEMENT MARKERS AND MARKINGS IN CONFLICT WITH MOT STRIPING.
 - (8) CONSTRUCT RETAINING WALL ALONG NORTH SIDE OF RAKOW ROAD EAST OF VIRGINIA ROAD.

MAINTENANCE OF TRAFFIC

- (1) MAINTAIN THE EXISTING TRAFFIC CONFIGURATION.
- (2) UTILIZE IDOT STANDARDS 701001, 701006, 701011, 701106, 701201, 701306, 701311, 701701, AND 701901

STAGE 1

- CONSTRUCTION**
- (1) PLACE STAGE 1 TRAFFIC CONTROL DEVICES AND TEMPORARY PAVEMENT MARKINGS. SET TRAFFIC AND ACTIVATE SIGNAL HEADS FOR THE TEMPORARY TRAFFIC SIGNALS AT THE INTERSECTIONS OF ACKMAN ROAD, McHENRY AVENUE, PYOTT ROAD, VIRGINIA ROAD, PINGREE ROAD, AND IL ROUTE 31 PER THE TEMPORARY SIGNAL PLANS.
 - (2) CONSTRUCT THE PROPOSED EASTBOUND THRU LANES, RIGHT TURN LANES, AND SHOULDERS UP TO THE BINDER COURSE. CONSTRUCT THE OUTSIDE CURB AND GUTTER AND PARKWAY.
 - (3) CONSTRUCT DRAINAGE AND PARKWAY IMPROVEMENTS ALONG MAINLINE AT LOCATIONS SHOWN IN THE PLANS.

MAINTENANCE OF TRAFFIC

- (1) MAINTAIN TWO LANES OF TRAFFIC FROM PROJECT START TO STA. 111+14.00 IN SOUTHBOUND DIRECTION AND TWO LANES OF TRAFFIC TO STA. 114+78.23 IN NORTHBOUND DIRECTION AS SHOWN IN THE PLANS.
- (2) MAINTAIN ONE LANE OF TRAFFIC NORTH OF STA. 114+78.23 IN EACH DIRECTION AS SHOWN IN THE PLANS.
- (3) EAST AND WESTBOUND TRAFFIC WILL BE SHIFTED NORTH FOR STAGE 1 CONSTRUCTION AND WILL UTILIZE THE EXISTING PAVEMENT AND TEMPORARY PAVEMENT.

STAGE 1 SUBSTAGE 1

- CONSTRUCTION**
- (1) IT IS ANTICIPATED THAT THE CONTRACTOR SHALL KEEP ALL SIDESTREETS OPEN DURING THE CONSTRUCTION OF THE EASTBOUND THRU LANES AND ALL OF THE SIDESTREETS.
 - (2) CONSTRUCT THE SOUTHEAST QUADRANTS OF ACKMAN ROAD, McHENRY AVENUE, AND PYOTT ROAD. CONSTRUCT THE SOUTHWEST QUADRANTS OF VIRGINIA ROAD, AND PINGREE ROAD. CONSTRUCT THE DRAINAGE AND PARKWAY IMPROVEMENTS ALONG ALL SIDESTREETS AT LOCATIONS SHOWN IN THE PLANS.

MAINTENANCE OF TRAFFIC

- (1) MAINTAIN TWO LANES OF TRAFFIC UNTIL THE CURVE IN EACH DIRECTION AS SHOWN IN THE PLANS.

STAGE 1 SUBSTAGE 2

- CONSTRUCTION**
- (1) CONSTRUCT THE WESTBOUND APPROACHES OF ACKMAN ROAD AND McHENRY AVENUE. CONSTRUCT THE NORTHBOUND APPROACHES OF PYOTT ROAD, VIRGINIA ROAD, AND PINGREE ROAD. CONSTRUCT THE DRAINAGE AND PARKWAY IMPROVEMENTS ALONG ALL SIDESTREETS AT LOCATIONS SHOWN IN THE PLANS.

MAINTENANCE OF TRAFFIC

- (1) MAINTAIN TWO LANES OF TRAFFIC UNTIL THE CURVE IN EACH DIRECTION AS SHOWN IN THE PLANS.

STAGE 1 SUBSTAGE 3

- CONSTRUCTION**
- (1) CONSTRUCT THE NORTHEAST QUADRANTS OF ACKMAN ROAD AND McHENRY ROAD. CONSTRUCT THE SOUTHWEST QUADRANT OF PYOTT ROAD. CONSTRUCT THE SOUTHEAST QUADRANTS OF VIRGINIA ROAD AND PINGREE ROAD. CONSTRUCT THE DRAINAGE AND PARKWAY IMPROVEMENTS ALONG ALL SIDESTREETS AT LOCATIONS SHOWN IN THE PLANS.

MAINTENANCE OF TRAFFIC

- (1) MAINTAIN TWO LANES OF TRAFFIC UNTIL THE CURVE IN EACH DIRECTION AS SHOWN IN THE PLANS.

SEQUENCE OF CONSTRUCTION CONTINUED

STAGE 1D, SUBSTAGES D1, D2, D3

- CONSTRUCTION**
- (1) CONSTRUCT THE PROPOSED NORTHBOUND AND SOUTHBOUND LEFT TURN LANES UP TO THE BINDER COURSE AT THE INTERSECTIONS OF ACKMAN ROAD, McHENRY AVENUE, AND PYOTT ROAD.
 - (2) DRAINAGE IMPROVEMENTS ALONG MAINLINE AT LOCATIONS SHOWN IN THE PLANS.
- MAINTENANCE OF TRAFFIC**
- (1) MAINTAIN TWO LANES OF TRAFFIC IN EACH DIRECTION FROM PROJECT START UNTIL THE CURVE AS SHOWN IN THE PLANS.
 - (2) MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION AFTER THE CURVE AS SHOWN IN PLANS.
 - (3) WESTBOUND TRAFFIC WILL BE SHIFTED FROM THE LANE CONFIGURATION USED IN STAGE 2 TO THE LANE CONFIGURATION USED IN STAGE 1, STARTING AT STA. 180+32.34 AS SHOWN IN PLANS.

STAGE 2

- CONSTRUCTION**
- (1) PLACE STAGE 2 TRAFFIC CONTROL DEVICES AND TEMPORARY PAVEMENT MARKINGS. SET TRAFFIC SIGNAL HEADS FOR THE TEMPORARY TRAFFIC SIGNALS AT THE INTERSECTIONS OF ACKMAN ROAD, McHENRY AVENUE, PYOTT ROAD, VIRGINIA ROAD, PINGREE ROAD, AND IL ROUTE 31 PER THE TEMPORARY SIGNAL PLANS.
 - (2) CONSTRUCT THE PROPOSED WESTBOUND THRU LANES, RT TURN LANES, AND SHOULDERS UP TO THE BINDER COURSE. CONSTRUCT THE OUTSIDE CURB AND GUTTER AND PARKWAY. CONSTRUCT DRAINAGE AND PARKWAY IMPROVEMENTS ALONG MAINLINE AT LOCATIONS SHOWN IN THE PLANS.

MAINTENANCE OF TRAFFIC

- (1) MAINTAIN TWO LANES OF TRAFFIC IN EACH DIRECTION FROM PROJECT START UNTIL THE CURVE AS SHOWN IN THE PLANS.
- (2) MAINTAIN ONE LANE OF TRAFFIC IN EACH DIRECTION AFTER THE CURVE AS SHOWN IN PLANS.
- (3) EAST AND WESTBOUND TRAFFIC WILL BE SHIFTED SOUTH ONTO THE NEWLY CONSTRUCTED PAVEMENT FROM STAGE 1. TRAFFIC WILL UTILIZE THE NEW PAVEMENT AND TEMPORARY PAVEMENT AS SHOWN IN THE PLANS.

STAGE 2 SUBSTAGE 1

- CONSTRUCTION**
- (1) CONSTRUCT THE NORTHWEST QUADRANTS OF ACKMAN ROAD, McHENRY ROAD, AND IL ROUTE 31. CONSTRUCT THE NORTHEAST QUADRANTS OF PYOTT ROAD, VIRGINIA ROAD, AND PINGREE ROAD. CONSTRUCT THE DRAINAGE AND PARKWAY IMPROVEMENTS ALONG ALL SIDESTREETS AT LOCATIONS SHOWN IN THE PLANS.
 - (2) CONSTRUCT THE NOISE WALL AT THE NORTHWEST QUADRANT OF ACKMAN ROAD.

MAINTENANCE OF TRAFFIC

- (1) MAINTAIN TWO LANES OF TRAFFIC UNTIL THE CURVE IN EACH DIRECTION AS SHOWN IN PLANS.

STAGE 2 SUBSTAGE 2

- CONSTRUCTION**
- (1) CONSTRUCT THE EASTBOUND APPROACHES OF ACKMAN ROAD AND McHENRY AVENUE. CONSTRUCT THE SOUTHBOUND APPROACHES OF PYOTT ROAD, VIRGINIA ROAD, AND PINGREE ROAD. CONSTRUCT THE NORTHWEST QUADRANT OF IL ROUTE 31. CONSTRUCT THE DRAINAGE AND PARKWAY IMPROVEMENTS ALONG ALL SIDESTREETS AT LOCATIONS SHOWN IN THE PLANS.

MAINTENANCE OF TRAFFIC

- (1) MAINTAIN TWO LANES OF TRAFFIC UNTIL THE CURVE IN EACH DIRECTION AS SHOWN IN PLANS.

STAGE 2 SUBSTAGE 3

- CONSTRUCTION**
- (1) CONSTRUCT THE SOUTHWEST QUADRANTS OF ACKMAN ROAD AND McHENRY ROAD. CONSTRUCT THE NORTHWEST QUADRANTS OF PYOTT ROAD, VIRGINIA ROAD, PINGREE ROAD, AND IL ROUTE 31. CONSTRUCT THE DRAINAGE AND PARKWAY IMPROVEMENTS ALONG ALL SIDESTREETS AT LOCATIONS SHOWN IN THE PLANS.

MAINTENANCE OF TRAFFIC

- (1) MAINTAIN TWO LANES OF TRAFFIC UNTIL THE CURVE IN EACH DIRECTION AS SHOWN IN PLANS.

STAGE 3

- CONSTRUCTION**
- (1) FINISH CONSTRUCTION OF THE REMAINING LEFT TURN LANES. FINISH CONSTRUCTION OF THE MEDIAN, AND MEDIAN CURB AND GUTTER.
 - (2) PAVE THE HOT MIX ASPHALT BINDER AND SURFACE COURSE.
 - (3) INSTALL PERMANENT PAVEMENT MARKINGS, RAISED PAVEMENT REFLECTORS AND LANDSCAPING.
 - (4) COMPLETE THE INSTALLATION OF PROPOSED TRAFFIC SIGNALS AT THE INTERSECTIONS OF ACKMAN ROAD, McHENRY AVENUE, PYOTT ROAD, VIRGINIA ROAD, PINGREE ROAD, AND IL ROUTE 31.
 - (5) REMOVE TEMPORARY TRAFFIC SIGNALS AT THE INTERSECTIONS.

MAINTENANCE OF TRAFFIC

- (1) MAINTAIN TWO LANES OF TRAFFIC IN NB DIRECTION FROM PROJECT START UNTIL THE CURVE AS SHOWN IN THE PLANS.
- (2) MAINTAIN TWO LANES OF TRAFFIC IN SB DIRECTION FROM PROJECT START UNTIL PYOTT ROAD AS SHOWN IN THE PLANS.



USER NAME = Rduy_Lis1e	DESIGNED - MJV	REVISED -
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PLOT SCALE = 1:50	CHECKED - JAH	REVISED -
PLOT DATE = 7/29/2010	DATE - 8/2/2010	REVISED -



**MCHENRY COUNTY
DIVISION OF TRANSPORTATION**

**RAKOW ROAD FROM ACKMAN ROAD TO ILLINOIS ROUTE 31
SUGGESTED STAGING OF CONSTRUCTION & TRAFFIC CONTROL
GENERAL NOTES AND SEQUENCE OF CONSTRUCTION**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
0336	05-00308-00-WR	MCHENRY	606	47
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63398	