

**MAINTENANCE OF TRAFFIC GENERAL NOTES**

ALL OF THE TRAFFIC CONTROL DEVICES SHALL BE IN PLACE BEFORE CONSTRUCTION IS STARTED. ALL TEMPORARY PAVEMENT MARKINGS & TRAFFIC CONTROL DEVICES SHALL BE IN PLACE AT THE BEGINNING OF EACH STAGE, AND SHALL BE MAINTAINED FOR THE DURATION OF THAT STAGE UNLESS OTHERWISE DIRECTED BY THE ENGINEER.

A MINIMUM OF ONE (1) ELEVEN FOOT (11') LANE IN THE WB DIRECTION SHALL BE KEPT OPEN TO TRAFFIC ON JOHNSBURG ROAD. A MINIMUM OF TWO (2) ELEVEN FOOT (11') LANES WILL BE OPEN AT ALL TIMES ON ALL SIDE STREETS.

ALL PAVEMENT MARKINGS CONFLICTING WITH REVISED TRAFFIC PATTERNS SHALL BE REMOVED. TYPE III MARKING TAPE SHALL BE USED ON THE FINAL WEARING SURFACE OR ON THE EXISTING PAVEMENT TO REMAIN WHEN THE TEMPORARY PAVEMENT MARKING WILL CONFLICT WITH THE PERMANENT PAVEMENT MARKING SUCH AS ON TAPERS OR LANE SHIFTS. PAVEMENT MARKING PAINT SHALL BE USED ON ALL SURFACES TO BE REMOVED OR COVERED WITH SURFACE COURSE.

THE CONTRACTOR SHALL PROVIDE INFORMATION SIGNS ON TEMPORARY SUPPORTS FOR ALL COMMERCIAL DRIVEWAYS. THESE SIGNS SHALL BE WHITE ON GREEN IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. THIS WORK WILL BE PAID FOR PER DISTRICT ONE DETAIL TC-26. ACCESS SHALL BE MAINTAINED TO ALL PROPERTIES DURING CONSTRUCTION OPERATIONS WITH THE USE OF AGGREGATE FOR TEMPORARY ACCESS AND/OR BY CONSTRUCTING ONE HALF OF PROPOSED DRIVEWAYS AT A TIME.

PROVIDE TEMPORARY BITUMINOUS RAMP WEDGE TO TRANSITION THE DIFFERENTIAL ELEVATIONS CAUSED BY STAGED CONSTRUCTION BETWEEN THE NEW CONSTRUCTION AND THE EXISTING PAVEMENT. ANY PAVEMENT DROP-OFFS GREATER THAN 3 INCHES IMMEDIATELY ADJACENT TO TRAFFIC SHALL NOT BE LEFT OVERNIGHT. PROVIDE TEMPORARY BITUMINOUS RAMP WEDGE OR OTHER MITIGATING MEASURES APPROVED BY THE ENGINEER.

THE FOLLOWING TABLE PROVIDES THE NECESSARY TREATMENT REQUIRED BY THE CONTRACTOR TO MINIMIZE DROP-OFF EXPOSURE:

DROP-OFF LOCATION (FROM EDGE OF PAVEMENT)	SPEED, MPH (5)	DROP-OFF HEIGHT AND TYPE (INCHES)	TREATMENT REQUIRED
<= 3 FT (1) (2)	ALL	<= 1	NONE
		> 1, <= 3	LOW SHOULDER SIGNS (AFTER EACH INTERSECTION)
	< 45	> 3, <= 18	CHANNELIZING DEVICES PER PLAN SPACING
		> 3, <= 12	CHANNELIZING DEVICES PER PLAN SPACING
	< 45	> 18, <= 24 FOR < 0.5 MILES OR < 48 HOURS	CHANNELIZING DEVICES PER PLAN SPACING (4)
		> 12, <= 18 FOR < 0.5 MILES OR < 48 HOURS	CHANNELIZING DEVICES PER PLAN SPACING (4)
> 3 FT <= 8 FT (3)	ALL	> 18, <= 24	ADJACENT LANE CLOSURE
	ALL	> 24	ADJACENT LANE CLOSURE
	ALL	<= 1	NONE
	ALL	> 1, <= 3	LOW SHOULDER SIGNS (2 MILE SPACING)
> 8 FT <= 13 FT (3)	ALL	> 3, <= 24	CHANNELIZING DEVICES PER PLAN SPACING
	ALL	> 24	TEMPORARY BARRIER WALL
	ALL	> 12, <= 24	CHANNELIZING DEVICES PER PLAN SPACING
	ALL	> 24	TEMPORARY BARRIER WALL

(1) CHANNELIZING DEVICES ARE TO BE PLACED AT SAME LEVEL AS TRAVELING LANE OR SHOULDER PROFILE.

(2) CHANNELIZING DEVICES MAY BE PLACED AT THE DROP-OFF ELEVATION TO PRESERVE LANE WIDTH. THE REFLECTIVE AREA AND WARNING LIGHT SHALL BE RAISED TO THE ELEVATION ABOVE THE TRAVELING LANE OR SHOULDER PROFILE AS REQUIRED BY STANDARD 701901.

(3) CHANNELIZING DEVICES ARE TO BE PLACED AT THE SAME LEVEL AS SIDE SLOPE PROFILE TO BE FULLY VISIBLE.

(4) DROP-OFFS GREATER THAN 18 IN. SHALL NOT BE EXPOSED TO TRAFFIC FOR GREATER THAN 48 HRS. ADDITIONALLY, PYLONS OF FLASHING LIGHTS SHALL BE PLACED AT DROP-OFFS GREATER THAN 18 IN.

(5) POSTED REGULATORY SPEED IN WORK ZONE DURING THE WORK ACTIVITY.

THE CONTRACTOR SHALL MAINTAIN TRAFFIC IN ACCORDANCE WITH THE PLANS, SPECIAL PROVISIONS, STATE STANDARDS AND AS DIRECTED BY THE ENGINEER.

TYPE II BARRICADES EQUIPPED WITH MONO-DIRECTIONAL STEADY BURN LIGHTS SHALL BE PLACED ALONG THE ROADWAY AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. TYPE II BARRICADES WITH DIRECTIONAL ARROWS SHALL BE PLACED AT LANE SHIFTS (TAPER SECTIONS) AS INDICATED ON THE PLANS OR DIRECTED BY THE ENGINEER. BARRICADES WITH LEG EXTENSIONS SHALL BE USED WHERE NEEDED TO PROVIDE A MINIMUM DISTANCE OF 36" BETWEEN THE PAVEMENT AND TOP OF BARRICADE. BARRICADES IN TAPER SECTIONS SHALL HAVE DIRECTION INDICATOR PANELS. ALL TYPE II BARRICADES SHALL BE NON-METALLIC.

THE CONTRACTOR SHALL INFORM THE ENGINEER OF ANY CHANGES IN STAGING AT LEAST TWO (2) WORKING DAYS IN ADVANCE.

TEMPORARY SIGNING, AS SHOWN, SHALL CONFORM TO THE APPLICABLE STANDARDS INCLUDED IN THE SPECIAL PROVISIONS AND CONTRACT PLANS OR AS DIRECTED BY THE ENGINEER.

ALL "ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE EQUIPPED WITH MONO-DIRECTIONAL AMBER FLASHING LIGHTS.

ROAD NAME PLATES SHALL BE INSTALLED ON "ROAD CONSTRUCTION AHEAD" SIGNS AT INTERSECTIONS SHOWN ON THE PLANS.

EXISTING TRAFFIC CONTROL DEVICES WITHIN THE LIMITS OF CONSTRUCTION, ARE TO BE PROTECTED FROM DAMAGE BY THE CONTRACTOR. ANY DAMAGED SIGNS CAUSED BY HIS WORK SHALL BE REPLACED BY THE CONTRACTOR.

TRAFFIC CONTROL DEPICTED ON THE MAINTENANCE OF TRAFFIC PLANS AND DETOUR PLANS IS THE MINIMUM REQUIREMENT. OTHER WORK OR SIGNING MAY BE REQUIRED BY THE ENGINEER.

A 3'-6" DEFLECTION AREA IS REQUIRED FROM THE BACK SIDE OF THE TEMPORARY CONCRETE BARRIER WALL TO ANY OBSTRUCTION OR DROP OFF IN THE WORK ZONE. IF THIS 3'-6" DEFLECTION AREA CANNOT BE MAINTAINED, THE TEMPORARY CONCRETE BARRIER WALL SHALL BE ANCHORED TO THE PAVEMENT (EXCLUDING BRIDGE DECKS) THROUGH THE 6 ANCHORING HOLES ON BOTH SIDES OF THE TEMPORARY CONCRETE BARRIER WALL. THIS WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE CONSIDERED INCIDENTAL TO THE TEMPORARY CONCRETE BARRIER WALL PAY ITEM.

**SUGGESTED MAINTENANCE OF TRAFFIC AND CONSTRUCTION STAGING**

**PRE-STAGE - JOHNSBURG ROAD CONSTRUCTION**

1. INSTALL TEMPORARY PAVEMENT FROM STA 107+93 LT TO STA 128+23 LT ON JOHNSBURG ROAD.
2. PROVIDE TEMPORARY SWALES/DITCHES TO MAINTAIN DRAINAGE. INSTALL/ADJUST STORM SEWER AS NECESSARY TO PROVIDE OUTLET DURING STAGE I AND PROVIDE EROSION CONTROL.

**MAINTENANCE OF TRAFFIC**

1. MAINTAIN EXISTING TRAFFIC LANES ON JOHNSBURG ROAD AND ALL SIDE ROADS IN ACCORDANCE WITH THE LATEST REVISION OF HIGHWAY STANDARD 701326 AND THE DETAILS SHOWN ON THE PLANS.

**STAGE 1 - JOHNSBURG ROAD CONSTRUCTION**

1. INSTALL EROSION CONTROL MEASURES.
2. CONSTRUCT SOUTH PORTION OF JOHNSBURG ROAD FROM STA 101+84 TO STA 169+00.
3. CONSTRUCT RETAINING WALL FROM STA 156+00 TO STA 158+10 AND STA 129+45 TO STA 130+65.
4. CONSTRUCT CURB AND GUTTER, BINDER AND DRAINAGE STRUCTURES FROM STA 101+84 TO STA 169+00. CONTRACTOR SHALL SCHEDULE CONSTRUCTION SUCH THAT BINDER COURSE IS COMPLETED WITHIN 14 DAYS OF CURB AND GUTTER CONSTRUCTION UNLESS ANOTHER TIME FRAME IS AUTHORIZED BY THE ENGINEER.
5. CONSTRUCT PORTIONS OF RIVERSIDE DRIVE AND SPRING GROVE ROAD AS SHOWN ON THE PLANS.

**MAINTENANCE OF TRAFFIC**

1. REMOVE OR OBLITERATE ALL CONFLICTING PAVEMENT MARKINGS.
2. INSTALL ALL DETOUR SIGNING PER DETOUR PLAN AND CLOSE EASTBOUND JOHNSBURG ROAD.
3. MAINTAIN TRAFFIC AS SHOWN ON THE PLANS AND PROVIDE TRAFFIC CONTROL AND PROTECTION IN ACCORDANCE WITH THE LATEST REVISION OF HIGHWAY STANDARD 701501 AND THE DETAILS SHOWN ON THE PLANS.

**STAGE 2 - JOHNSBURG ROAD CONSTRUCTION**

1. CONSTRUCT NORTH PORTION OF JOHNSBURG ROAD FROM STA 101+84 TO STA 169+00.
2. CONSTRUCT CURB AND GUTTER, BINDER AND DRAINAGE STRUCTURES FROM STA 101+84 TO STA 169+00. CONTRACTOR SHALL SCHEDULE CONSTRUCTION SUCH THAT BINDER COURSE IS COMPLETED WITHIN 14 DAYS OF CURB AND GUTTER CONSTRUCTION UNLESS ANOTHER TIME FRAME IS AUTHORIZED BY THE ENGINEER.

**MAINTENANCE OF TRAFFIC**

1. REMOVE OR OBLITERATE ALL CONFLICTING PAVEMENT MARKINGS
2. CONTINUE DETOUR PER DETOUR PLAN FOR EASTBOUND JOHNSBURG ROAD.
3. MAINTAIN TRAFFIC AS SHOWN ON THE PLANS AND PROVIDE TRAFFIC CONTROL AND PROTECTION IN ACCORDANCE WITH THE LATEST REVISION OF HIGHWAY STANDARD 701501 AND THE DETAILS SHOWN ON THE PLANS.

**STAGE 3 (NOT ILLUSTRATED) CONSTRUCTION**

1. MILL EXISTING PAVEMENT AT VARIOUS LOCATIONS AS DIRECTED BY THE ENGINEER.
2. INSTALL BINDER COURSE AND INSTALL SHORT TERM PAVEMENT MARKINGS.
3. INSTALL SURFACE COURSE. INSTALL PERMANENT PAVEMENT MARKINGS AND FINAL LANDSCAPING.

**MAINTENANCE OF TRAFFIC**

1. ESTABLISH TRAFFIC CONTROL WITH THE LATEST REVISION OF HIGHWAY STANDARD 701502.

COMPANY NAME: HRGreen  
 PROJECT CONTACT: HRGreen.com  
 CLIENT: MCHENRY COUNTY  
 FILE NAME: 090622-motgrn-01.dgn  
 PLOT DRIVER: cpltdrvr  
 PEN TABLE: etranspdr.tbl



USER NAME = sparhal	DESIGNED -	REVISED -
FILE NAME = 090622-motgrn-01.dgn	DRAWN -	REVISED -
PLOT SCALE = N.T.S.	CHECKED - TH	REVISED -
PLOT DATE = 1/3/2013	DATE - 1/3/13	REVISED -

**MCHENRY COUNTY  
 DIVISION OF TRANSPORTATION**

**SUGGESTED MAINTENANCE OF TRAFFIC -- GENERAL NOTES  
 JOHNSBURG ROAD**

SCALE: N.T.S. SHEET NO. 1 OF 10 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
168	05-00314-00-WR	MCHENRY	187	24
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 63515	