

SUGGESTED SEQUENCE OF WORK / TRAFFIC CONTROL

STAGE 1A - CONSTRUCTION OF TEMPORARY AGGREGATE ROAD AND TEMPORARY DRAINAGE

SEQUENCE

1. INSTALL NECESSARY EROSION CONTROL AS REQUIRED BY CONSTRUCTION PLANS.
2. REMOVE TREES AS NECESSARY.
3. STAGE CONSTRUCT MANHOLES AND SEWER AT STATION 69+00 TO PROPOSED GRADES.
4. COORDINATE ELECTRICAL VAULT MANHOLES TO BE ADJUSTED BY OTHERS.
5. RELOCATE EXISTING MAILBOXES AS REQUIRED BY PLANS. MAILBOXES SHALL BE PLACED SUCH THAT THE FACE OF EACH MAILBOX IS BETWEEN 6" AND 9" OFF THE FACE OF CURB AND A MINIMUM OF 10' CLEAR OF ANY DRIVEWAY. SETBACK DISTANCES FROM THE INTERSECTION ARE SHOWN ON THE PLANS.
6. REMOVE EXISTING DRIVEWAY AND SIDE ROAD PAVEMENT WITHIN THE R.O.W. LIMITS ON THE NORTH SIDE OF NORTHMOOR ROAD.
7. EXISTING CULVERTS SHALL BE RELOCATED AS INDICATED ON THE PLANS. RELOCATED CULVERTS SHALL BE PLACED USING AN OPEN CUT. THIS WORK SHALL BE INCLUDED WITH PIPE CULVERT REMOVAL (SPECIAL)
8. EMBANKMENT SHALL BE PLACED IN THE CULVERT TRENCHES AND USED TO BRING THE SIDE ROAD EXISTING GRADES TO THE PROPOSED TEMPORARY SUBGRADE ELEVATION.
9. CONSTRUCT TEMPORARY AGGREGATE ROAD AS REQUIRED TO PROVIDE ONE 11-FOOT LOCAL TRAFFIC LANE ON THE NORTH SIDE OF NORTHMOOR ROAD AS SHOWN IN THE STAGING PLANS AND TYPICAL SECTIONS.
10. AGGREGATE SHALL BE PLACED ON THE SIDE ROADS AND DRIVEWAYS TO PROVIDE A SMOOTH TRANSITION ONTO NORTHMOOR ROAD. ALL TEMPORARY AGGREGATE PLACEMENT SHALL BE INCLUDED WITH AGGREGATE FOR TEMPORARY ACCESS.
11. CONSTRUCT THE TEMPORARY V-DITCH AS SHOWN ON THE SUGGESTED CONSTRUCTION STAGING TYPICAL SECTIONS OF THE PLANS. THE LONGITUDINAL SLOPE OF THE V-DITCH SHALL HAVE A MINIMUM 0.5% SLOPE. THE CONTRACTOR SHALL PROVIDE SIDE SLOPES NO GREATER THAN 1V:3H WITHIN THE 10' CLEAR ZONE OF THE TEMPORARY DRIVING LANE.
12. THE WEST LIMIT OF THE TEMPORARY V-DITCH SHALL BE GRADED INTO THE EXISTING INLET ON THE NORTHEAST CORNER OF THE INTERSECTION OF NORTHMOOR ROAD AND KNOLL AIRE DR. THE CONTRACTOR SHALL BORE A HOLE IN THE INLET WALL AT AN INVERT ELEVATION OF 778.70. THE CONTRACTOR SHALL PLACE A 12" CULVERT 10' UPSTREAM OF THE INLET FOR THE V-DITCH TO DRAIN INTO. SEE DETAIL ON SUGGESTED CONSTRUCTION PHASING SCHEDULES AND DETAILS SHEET. THIS WORK SHALL BE PAID FOR USING THE PIPE CULVERTS (TEMPORARY) PAY ITEM.
13. THE EAST LIMIT OF THE TEMPORARY V-DITCH SHALL BE GRADED INTO THE EXISTING DITCH AT STATION 83+90.
14. THE EXISTING 30" CULVERT AT STATION 77+13 SHALL BE EXTENDED 11.5' NORTH ON THE NORTHSIDE OF NORTHMOOR ROAD. THE INVERT ELEVATION OF THE CULVERT AT THAT LOCATION IS 779.80. REMOVE THE EXISTING END SECTION AND ADD THE TEMPORARY EXTENSION AS SHOWN IN THE PLAN. THIS WORK SHALL BE PAID FOR USING THE PIPE CULVERTS (TEMPORARY) PAY ITEM.
15. DITCH CHECKS SHALL BE PROVIDED AS SHOWN ON THE PLANS AND PAID FOR AS TEMPORARY DITCH CHECKS.
16. THE CONTRACTOR SHALL ENSURE THAT THE PROJECT AREA DRAINAGE IS MAINTAINED AT ALL TIMES DURING CONSTRUCTION.

TRAFFIC CONTROL

1. MAINTAIN TWO-WAY TRAFFIC ALONG NORTHMOOR ROAD AT ALL TIMES DURING STAGE 1A.
2. FOR STAGE CONSTRUCTION OF STORM SEWER AND UNDERGROUND UTILITIES, USE TRAFFIC CONTROL STANDARDS 701006 AND 701301 AS APPLICABLE.

STAGE 1B - ROADWAY CONSTRUCTION - SOUTH SIDE OF NORTHMOOR ROAD

SEQUENCE

1. INSTALL NECESSARY EROSION CONTROL AS REQUIRED BY CONSTRUCTION PLANS.
2. DETOUR NORTHMOOR ROAD THROUGH TRAFFIC AS INDICATED ON THE SUGGESTED DETOUR PLAN.
3. INSTALL TEMPORARY TRAFFIC CONTROL DEVICES AS SHOWN ON THE PLANS.

STAGE 1B - ROADWAY CONSTRUCTION - SOUTH SIDE OF NORTHMOOR ROAD (CON'T.)

SEQUENCE

4. CONSTRUCT TEMPORARY FENCE AT THE EASEMENT LINE ON THE SOUTH SIDE. REMOVE EXISTING PAVEMENT, DRIVEWAY PAVEMENT, PIPE CULVERTS, AND MISCELLANEOUS ITEMS ON THE SOUTH SIDE OF NORTHMOOR ROAD. MAINTAIN THE 30" CULVERT LOCATED AT STATION 77+13.
5. CONSTRUCT PROPOSED STORM SEWER MAIN AS PART OF THE STAGE 1 WORK. CONNECT STORM SEWER TO STORM SEWER ITEMS CONSTRUCTED IN STAGE 1A. STUB PIPE AND PLUG AT LOCATIONS THAT EXTEND ACROSS THE PAVEMENT TO BE CONSTRUCTED IN STAGE 2.
6. CONSTRUCT P133, S128, AND S129 AND ALL DOWNSTREAM SEWERS. STAGE CONSTRUCT PIPE P134 TO ITS PROPOSED ELEVATION AT THE TEMPORARY V-DITCH LINE (SEE PROPOSED DRAINAGE PLANS). THE EXISTING CULVERT AT STATION 77+15 MUST REMAIN ACTIVE UNTIL THIS MAINLINE SEWER HAS BEEN CONSTRUCTED AND IS IN USE.
7. REMOVE EXISTING 30" CULVERT AT STATION 77+15 PRIOR TO PROPOSED ROADWAY CONSTRUCTION ON THE SOUTH SIDE OF NORTHMOOR ROAD. CONSTRUCT PROPOSED HMA PAVEMENT BINDER COURSE, SIDEWALKS, ENTRANCE, RETAINING WALL, CURB AND GUTTER ETC. ALONG THE SOUTH SIDE OF NORTHMOOR ROAD.
8. INSTALL PROPOSED TRAFFIC SIGNAL INTERCONNECT AND STREET LIGHTING.
9. PERFORM FINAL EARTHWORK REQUIRED ADJACENT TO THE NEWLY CONSTRUCTED ROADWAYS.

TRAFFIC CONTROL

1. MAINTAIN WESTBOUND NORTHMOOR ROAD LOCAL TRAFFIC USING STANDARDS 701501 AND 701601. ALL ENTRANCES SHALL BE MAINTAINED AT ALL TIMES. PLACE ONE-WAY WESTBOUND TRAFFIC SIGNS AND NO LEFT TURN SIGNS AT ALL DRIVEWAY ENTRANCES AND SIDE ROADS.
2. CONSTRUCTION OF NORTHMOOR ROAD WILL REQUIRE ONE 11' LANE (WESTBOUND ONLY) OF LOCAL TRAFFIC TO BE OPEN AT ALL TIMES. DETOUR SIGNS WILL DIRECT NORTHMOOR ROAD THROUGH TRAFFIC TO BE ROUTED AROUND THE CONSTRUCTION AS REQUIRED. SEE TRAFFIC CONTROL PLAN SPECIAL PROVISION & SHEET FOR SUGGESTED DETOUR PLAN.

STAGES 2A AND 2B - ROADWAY CONSTRUCTION - NORTH SIDE NORTHMOOR ROAD

SEQUENCE

1. THE CONTRACTOR SHALL NOT CONSTRUCT STAGE 2B PRIOR TO THE COMPLETION OF STAGE 2A.
2. OPEN THE SOUTH SIDE OF NORTHMOOR ROAD AND MAINTAIN A MINIMUM ONE LANE OF TRAFFIC IN EACH DIRECTION.
3. INSTALL NECESSARY EROSION CONTROL AS REQUIRED BY CONSTRUCTION PLANS.
4. REMOVE REMAINING EXISTING PAVEMENT, DRIVEWAY PAVEMENT, AND MISCELLANEOUS ITEMS ON THE NORTH SIDE OF NORTHMOOR ROAD. REMOVE ALL TEMPORARY ITEMS PLACED IN STAGE 1. THE AGGREGATE FOR TEMPORARY ACCESS MAY BE SALVAGED AND REUSED FOR THE PROPOSED SIDEWALK AT THE DISCRETION OF THE CONTRACTOR AND AS DIRECTED BY THE ENGINEER. THE REUSE OF THE AGGREGATE FOR TEMPORARY ACCESS SHALL BE INCLUDED WITH THE AGGREGATE FOR TEMPORARY ACCESS PAY ITEM. SEE PROPOSED PLANS.
5. CONSTRUCT PROPOSED HMA PAVEMENT BINDER COURSE, SIDEWALKS, ENTRANCES, CURB AND GUTTER, ETC. ALONG THE NORTH SIDE OF NORTHMOOR ROAD.
6. PERFORM FINAL EARTHWORK ADJACENT TO THE NEWLY CONSTRUCTED ROADWAYS.

TRAFFIC CONTROL

1. REMOVE STAGE 1 DETOUR SIGNING AND OPEN TRAFFIC TO EASTBOUND AND WESTBOUND NORTHMOOR ROAD PER STANDARD 701502. ALL SIDE ROADS AND ENTRANCES SHALL REMAIN OPEN DURING STAGE 2.
2. PROVIDE GAPS IN THE LANE CLOSURES FOR ALL PRIVATE ENTRANCES TO MAINTAIN LOCAL ACCESS.

STAGE 3 - PAVEMENT MARKING AND SOIL STABILIZATION

SEQUENCE

1. CONSTRUCT HMA SURFACE COURSE WITHIN PROJECT LIMITS.
2. APPLY PERMANENT PAVEMENT MARKING TO NORTHMOOR ROAD. OPEN ALL LANES OF TRAFFIC.
3. FINAL SHAPE ALL EARTHWORK AREAS. SOD AS REQUIRED.

TRAFFIC CONTROL

1. MAINTAIN ACCESS TO ALL ENTRANCES AND SIDE ROADS DURING PAVEMENT MARKING.

GENERAL TRAFFIC CONTROL NOTES

1. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES INCLUDING THE FOLLOWING HIGHWAY STANDARDS: 701006, 701301, 701501, 701502, 701601, 701701, 701901 AS APPLICABLE.
2. PROVIDE GAPS IN LANE CLOSURES TO MAINTAIN LOCAL ACCESS TO ALL SIDE ROADS AND ENTRANCES EXCEPT AS DESCRIBED IN THE SUGGESTED CONSTRUCTION SEQUENCE.
3. TRAFFIC SIGNALS SHALL REMAIN IN OPERATION AT ALL TIMES.
4. ARROW BOARDS WILL BE REQUIRED FOR ALL LANE CLOSURES ON NORTHMOOR ROAD.
5. PAVEMENT TO BE REMOVED SHALL BE SAWCUT FULL DEPTH ADJACENT TO PAVEMENT TO REMAIN. SAWCUT SHALL BE INCLUDED IN THE COST OF PAVEMENT REMOVAL.
6. THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING ALL TRAFFIC CONTROL ITEMS IN THE CONTRACT DOCUMENTS SHALL BE INCLUDED IN THE CONTRACT BID UNIT PRICE FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL). TEMPORARY PAVEMENT MARKING WILL BE PAID FOR SEPARATELY.
7. CONTRACTOR SHALL REMOVE ALL PAVEMENT MARKINGS AND SIGNS WHEN IN CONFLICT WITH TEMPORARY PAVEMENT MARKINGS AND SIGNS.

GENERAL CONSTRUCTION NOTES

1. ADEQUATE DRAINAGE SHALL BE MAINTAINED DURING ALL STAGES OF CONSTRUCTION.
2. THE SURVEY OF EXISTING UTILITIES WAS USED IN DETERMINING THE TEMPORARY V-DITCH LOCATION. ACTUAL LOCATION OF V-DITCH MAY NEED TO BE ADJUSTED BASED ON THE FIELD LOCATION OF THE UTILITIES.
3. SPECIAL CARE SHALL BE TAKEN NOT TO DISTURB THE EXISTING AT&T OR AMEREN DUCT BANKS. THE APPROXIMATE LOCATION AND DEPTH OF THE DUCT BANKS AND ASSOCIATED MANHOLES ARE SHOWN IN THE CROSS SECTIONS.
4. ACCESS TO DRIVEWAY ENTRANCES SHALL BE MAINTAINED AT ALL TIMES.
5. ANY SIGNIFICANT CHANGES IN THE SUGGESTED CONSTRUCTION SEQUENCE SHALL BE SUBMITTED IN WRITING TO THE RESIDENT ENGINEER FOR APPROVAL AT LEAST TWO WEEKS PRIOR TO THE REVISED STAGE CONSTRUCTION.
6. CONTRACTOR SHALL COORDINATE ALL EXCAVATION AND CONCRETE CONSTRUCTION WITH THE ELECTRICAL SUBCONTRACTOR AND WITH ALL UTILITY COMPANIES AND THEIR SUBCONTRACTORS TO ENSURE THE INSTALLATION OF ALL CONDUITS AND OTHER UNDERGROUND IMPROVEMENTS PRIOR TO THE VARIOUS STAGES OF CONSTRUCTION.
7. CONSTRUCTION OF SIDE ROAD INTERSECTION IMPROVEMENTS SHALL BE COORDINATED TO MINIMIZE THE DURATION OF CLOSURE.



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P:\P-09\2206-Northmoor Rd\DWG\SH1\MOT	Stage 1\N01.2206-2.1E1 Mot.S-ssw.dgn	DRAWN - AS/LC	REVISED -
	PLOT SCALE = 100.0000 / in.	CHECKED - RB	REVISED -
	PLOT DATE = 3/26/2012	DATE - 03/27/2012	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUGGESTED CONSTRUCTION STAGING AND GENERAL NOTES
NORTHMOOR ROAD - N. UNIVERSITY ST. TO N. BRIARWOOD LN.

SCALE: N/A SHEET NO. 1 OF 6 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
6647	05-00302-01-PV	PEORIA	125	32
	11-00047-03-PV			
FED. ROAD DIST. NO. ILLINOIS			CONTRACT NO. 89525	
FED. AID PROJECT			M-5093(137)	