

**SUGGESTED SEQUENCE OF WORK / TRAFFIC CONTROL**

**PHASE 1A - CONSTRUCTION OF TEMPORARY PAVEMENT AND TEMPORARY DRAINAGE SEQUENCE**

1. INSTALL NECESSARY EROSION CONTROL AS REQUIRED BY CONSTRUCTION PLANS.
2. REMOVE TREES AS NECESSARY.
3. CONSTRUCT UNDERGROUND CONDUITS, FOUNDATIONS, AND HANDHOLES FOR STREET LIGHTING AND TRAFFIC SIGNALS.
4. 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.
5. REMOVE EXISTING DRIVEWAY AND SIDE ROAD PAVEMENT WITHIN THE R.O.W. LIMITS ON THE NORTH SIDE OF NORTHMOOR ROAD.
6. EXISTING CULVERTS SHALL BE REMOVED AND RELOCATED AS INDICATED ON THE PLANS. RELOCATED CULVERTS SHALL BE PLACED USING AN OPEN CUT.
7. EMBANKMENT SHALL BE PLACED IN THE CULVERT TRENCHES AND USED TO BRING THE SIDE ROAD EXISTING GRADES TO THE PROPOSED TEMPORARY SUBGRADE ELEVATION.
8. CONSTRUCT TEMPORARY PAVEMENT AS REQUIRED TO PROVIDE ONE 11-FOOT TRAFFIC LANE ON THE NORTH SIDE OF NORTHMOOR ROAD AS SHOWN IN THE STAGING PLANS AND TYPICAL SECTIONS.
9. TEMPORARY PAVEMENT SHALL BE PLACED ON THE SIDE ROADS AND AGGREGATE SHALL BE PLACED ON THE DRIVEWAYS TO PROVIDE A SMOOTH TRANSITION ONTO NORTHMOOR ROAD.
10. CONSTRUCT THE TEMPORARY SWALE AS SHOWN ON THE TYPICAL SECTION OF THE PLANS. THE LONGITUDINAL SLOPE OF THE SWALE SHALL HAVE A MINIMUM 0.5% SLOPE. THE CONTRACTOR SHALL PROVIDE CROSS SLOPES NO GREATER THAN 3:1 WITHIN THE 10' CLEAR ZONE OF THE TEMPORARY DRIVING LANE. THE WEST LIMIT OF THE TEMPORARY SWALE SHALL BE GRADED INTO THE EXISTING SWALE ON THE NORTHEAST CORNER OF THE INTERSECTION OF NORTHMOOR ROAD AND SHERIDAN ROAD. THE COST OF THIS WORK SHALL BE PAID FOR AS EARTH EXCAVATION FOR EROSION CONTROL.
11. DITCH CHECKS SHALL BE PROVIDED AS SHOWN ON THE PLANS AND PAID FOR AS TEMPORARY DITCH CHECKS.
12. USE STANDARD DETAIL 701301 TO CONSTRUCT THE FOLLOWING PROPOSED DRAINAGE ITEMS: MANHOLE S117, SEWER PIPE P138, AND MANHOLE S142 (SEE SHEET 20 FOR DESIGN INFORMATION). MANHOLE S142 SHALL USE TEMPORARY ADJUSTMENT RINGS TO MEET THE TEMPORARY RIM ELEVATION OF 794.28 AND SHALL BE CONSTRUCTED SO THAT THE PROPOSED RIM ELEVATION OF 793.77 CAN BE MET BY REMOVING THE TEMPORARY ADJUSTMENT RINGS. THE COST FOR THE PLACEMENT OF THE ADJUSTMENT RINGS WILL BE INCIDENTAL TO THE MANHOLES TO BE ADJUSTED PAY ITEM.
13. A 10' SECTION OF PROPOSED STORM SEWER PIPE P139 SHALL BE CONSTRUCTED SO THAT THE INLET OF THE PIPE IS LOCATED AT THE LOW POINT OF THE TEMPORARY SWALE AT APPROXIMATE STATION 99+50. THE OUTLET OF THE PIPE WILL BE CONNECTED TO THE PROPOSED MANHOLE S142. THE TEMPORARY INLET INVERT ELEVATION IS 791.18. THE PROPOSED OUTLET INVERT ELEVATION INTO MANHOLE S142 IS 789.17, SEE SHEET 26 FOR PLAN VIEW).
14. 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 PHASE 1A USING STANDARD 701006 AND STANDARD 701301.
2. FOR OFF-ROAD INSTALLATION OF STORM SEWER AND UNDERGROUND UTILITIES, USE TRAFFIC CONTROL STANDARD 701006.

**PHASE 1B - ROADWAY CONSTRUCTION - SOUTH SIDE OF NORTHMOOR ROAD**

**SEQUENCE**

1. INSTALL NECESSARY EROSION CONTROL AS REQUIRED BY CONSTRUCTION PLANS.
2. DETOUR EASTBOUND NORTHMOOR ROAD TRAFFIC ALONG SHERIDAN ROAD AS INDICATED ON THE SUGGESTED DETOUR PLAN.
3. INSTALL TEMPORARY CONCRETE BARRIER AND TRAFFIC CONTROL DEVICES AS SHOWN ON THE PLANS. THE PROPOSED ROADWAY PROFILE FOR NORTHMOOR ROAD IS SIGNIFICANTLY LOWER THAN EXISTING GRADE. TEMPORARY CONCRETE BARRIER SHALL BE INSTALLED WITH TEMPORARY PAVEMENT MARKINGS TO DELINEATE THE TRAVEL LANE FOR WESTBOUND NORTHMOOR ROAD.

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

**SEQUENCE**

4. REMOVE EXISTING PAVEMENT, DRIVEWAY PAVEMENT, PIPE CULVERTS, AND MISCELLANEOUS ITEMS ON THE SOUTH SIDE OF NORTHMOOR ROAD.
5. CONSTRUCT PROPOSED STORM SEWER MAIN AS PART OF THE PHASE 1 WORK. CONNECT STORM SEWER TO STORM SEWER ITEMS CONSTRUCTED IN PHASE 1A. STUB PIPE AND PLUG AT LOCATIONS THAT EXTEND ACROSS THE PAVEMENT TO BE CONSTRUCTED IN PHASE 2. THE EXISTING CULVERT AT STATION 99+50 MUST REMAIN ACTIVE UNTIL THE MAINLINE SEWER TO THE WEST IS BEEN CONSTRUCTED AND IN USE.
6. CONSTRUCT PROPOSED HMA PAVEMENT, SIDEWALKS, ENTRANCE ETC. ALONG THE SOUTH SIDE OF NORTHMOOR ROAD AND THE INTERSECTION OF NORTHMOOR ROAD AT KNOXVILLE AVENUE.
7. INSTALL PROPOSED TRAFFIC SIGNALS AND STREET LIGHTING.
8. PERFORM FINAL EARTHWORK REQUIRED ADJACENT TO THE NEWLY CONSTRUCTED ROADWAYS.
9. CONSTRUCT ANY INCIDENTAL BITUMINOUS SURFACING AS REQUIRED TO BLEND THE PROPOSED PAVEMENT WITH THE EXISTING PAVEMENT FOR USE BY TRAFFIC.

**TRAFFIC CONTROL**

1. MAINTAIN WESTBOUND NORTHMOOR ROAD TRAFFIC USING STANDARDS 701501 AND 701601 AND UTILIZE THE TEMPORARY CONCRETE BARRIER TO PROTECT THE VERTICAL DIFFERENCE AND WORK ZONE AS INDICATED ON THE PLANS. ALL ENTRANCES SHALL BE MAINTAINED AT ALL TIMES. PLACE ONE-WAY WESTBOUND TRAFFIC SIGNS AT ALL ENTRANCES AND SIDE ROADS.
2. CONSTRUCT THE CORNER ISLAND AT NORTHMOOR ROAD AND KNOXVILLE AVENUE. USING STANDARD 701707.
3. COMMERCIAL ENTRANCES SHALL BE CONSTRUCTED HALF AT A TIME TO MAINTAIN CONTINUOUS ACCESS UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
4. CONSTRUCTION OF NORTHMOOR ROAD WILL REQUIRE ONE LANE (WESTBOUND ONLY) OF TRAFFIC TO BE OPEN AT ALL TIMES. ACCESS TO ALL STREETS, ALLEYS, AND ENTRANCES SHALL BE MAINTAINED AT ALL TIMES. DETOUR SIGNS WILL DIRECT EASTBOUND NORTHMOOR ROAD TRAFFIC TO BE ROUTED AROUND THE CONSTRUCTION AS REQUIRED. SEE TRAFFIC CONTROL PLAN SPECIAL PROVISION & SHEET 27 FOR SUGGESTED DETOUR PLAN.

**PHASE 2 - ROADWAY CONSTRUCTION - NORTH SIDE NORTHMOOR ROAD**

**SEQUENCE**

1. THE CONTRACTOR SHALL COORDINATE THE CONSTRUCTION OF PHASE 2 WITH THE CONSTRUCTION OF THE NORTHMOOR ROAD AND SHERIDAN ROAD INTERSECTION.
2. OPEN THE SOUTH SIDE OF NORTHMOOR ROAD AND MAINTAIN A MINIMUM ONE LANE OF TRAFFIC IN EACH DIRECTION. APPLY TEMPORARY PAVEMENT MARKINGS AS NECESSARY TO DELINEATE TWO 12-FOOT TRAVEL LANES.
3. INSTALL NECESSARY EROSION CONTROL AS REQUIRED BY CONSTRUCTION PLANS.
4. REMOVE REMAINING EXISTING PAVEMENT, DRIVEWAY PAVEMENT, TEMPORARY PAVEMENT (PLACED IN PHASE 1B), TEMPORARY CONCRETE BARRIER, AND MISCELLANEOUS ITEMS ON THE NORTH SIDE OF NORTHMOOR ROAD. THE SUB-BASE GRANULAR MATERIAL, TYPE A USED FOR TEMPORARY PAVEMENT SHALL BE SALVAGED AND REUSED FOR THE PROPOSED PAVEMENT. SEE PROPOSED PLANS.
5. REMOVE TEMPORARY PIPE P139 PLACED IN PHASE 1B AND RE-USE THE TEMPORARY PIPE TO CONSTRUCT THE PROPOSED PIPE P139 AS SHOWN ON SHEET 20. ADJUST MANHOLE S142 TO THE ELEVATION SHOWN ON SHEET 20. CONSTRUCT THE PROPOSED STORM SEWER IMPROVEMENTS, AND CONNECT TO STORM SEWER MAIN CONSTRUCTED IN PHASE 1.
6. CONSTRUCT PROPOSED HMA PAVEMENT, SIDEWALKS, ENTRANCES, ETC. ALONG THE NORTH SIDE OF NORTHMOOR ROAD.
7. REMOVE AND RELOCATE MAILBOXES TO THE LOCATIONS SHOWN ON THE PROPOSED PLANS.
8. PERFORM FINAL EARTHWORK ADJACENT TO THE NEWLY CONSTRUCTED ROADWAYS.

**TRAFFIC CONTROL**

1. OPEN TRAFFIC TO EASTBOUND AND WESTBOUND NORTHMOOR ROAD PER STANDARD 701502. ALL SIDE ROADS AND ENTRANCES SHALL REMAIN OPEN DURING PHASE 2.
2. CONSTRUCT THE SHOULDER ALONG KNOXVILLE AVENUE USING STANDARD 701707.
3. PROVIDE GAPS IN THE LANE CLOSURES FOR ALL PRIVATE ENTRANCES TO MAINTAIN LOCAL ACCESS (AT ALL TIMES EXCEPT DURING PAVING OPERATIONS).

**PHASE 3 - PAVEMENT MARKING AND SOIL STABILIZATION**

**SEQUENCE**

1. APPLY PERMANENT PAVEMENT MARKING TO NORTHMOOR ROAD. OPEN ALL LANES OF TRAFFIC.
2. FINAL SHAPE ALL EARTHWORK AREAS. SEED AND MULCH 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, 704001, 701701, 701901. FOR ALL LANE CLOSURES ON NORTHMOOR ROAD USE STANDARDS 701301, 701501, 701502, OR 701601. FOR ALL LANE CLOSURES AND WORK OPERATIONS AT THE NORTHMOOR ROAD / KNOXVILLE AVENUE INTERSECTION, USE STANDARD 701701.
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. TEMPORARY CONCRETE BARRIER AND TEMPORARY PAVEMENT MARKING WILL BE PAID FOR SEPARATELY.
7. ALL TYPE III BARRICADES SHALL CONTAIN A ROAD CLOSED SIGN R11-2.
8. 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 PHASES OF CONSTRUCTION.
2. ACCESS TO DRIVEWAY ENTRANCES SHALL BE MAINTAINED AT ALL TIMES.
3. TEMPORARY BITUMINOUS RAMPS FOR THE BUTT JOINTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH ARTICLE 406 OF THE STANDARD SPECIFICATIONS AS REQUIRED TO MAINTAIN ACCESS TO BUSINESSES AND RESIDENCES.
4. 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.
5. 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.
6. CONSTRUCTION OF SIDE ROAD INTERSECTION IMPROVEMENTS SHALL BE COORDINATED IN SUCH A WAY AS TO MINIMIZE THE DURATION OF CLOSURE.



FILE NAME =	USER NAME = Ander-08846	DESIGNED - LC	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CONSTRUCTION STAGING AND GENERAL NOTES NORTHMOOR ROAD STAGE 3 IMPROVEMENT</b>	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
I:\09Jobs\09L0027B\CADD\Road\Sheet\1E1V2206.S-99w.dgn		DRAWN - BID/LC	REVISED -			6647	08-00302-00-PV	PEORIA	85	24
		CHECKED - CEF/DTQ	REVISED -			09-0047-01-PV		CONTRACT NO. 89526		
		DATE - 10-16-09	REVISED -			SCALE: N/A	STA. 89+00 TO STA. 107+47	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	ARA-M-5093(139)