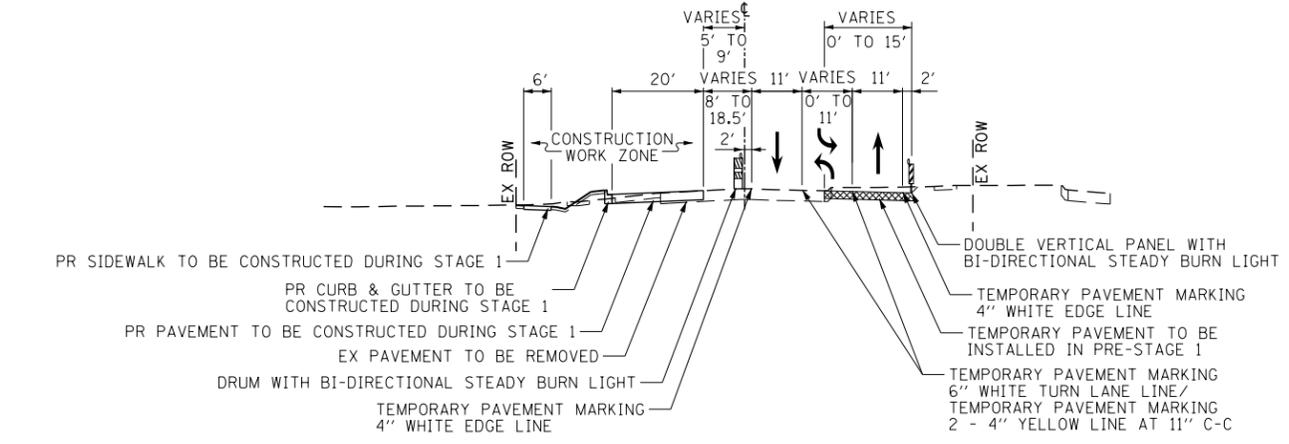


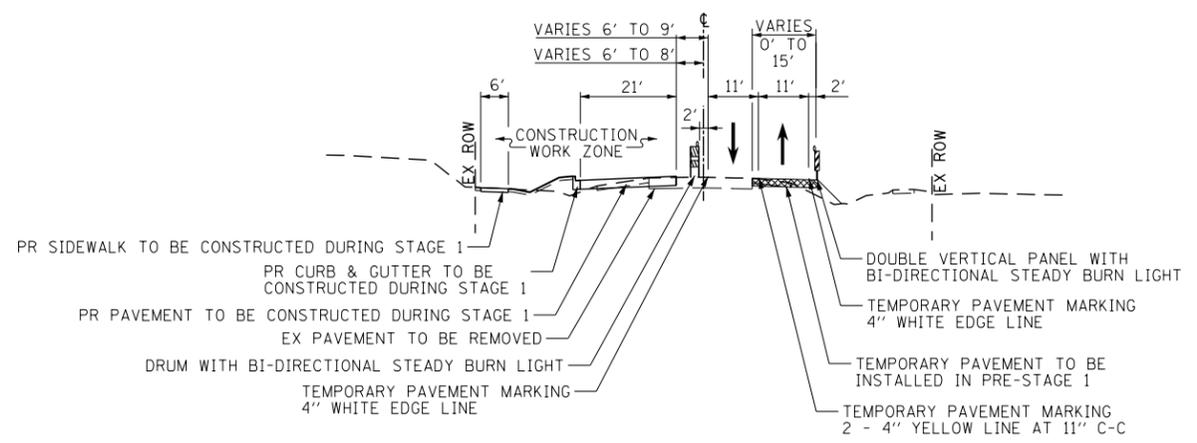
MAINTENANCE OF TRAFFIC TYPICAL SECTION - STAGE 1

WILLOW ROAD  
STATION 631+27.95 TO STATION 658+08.00



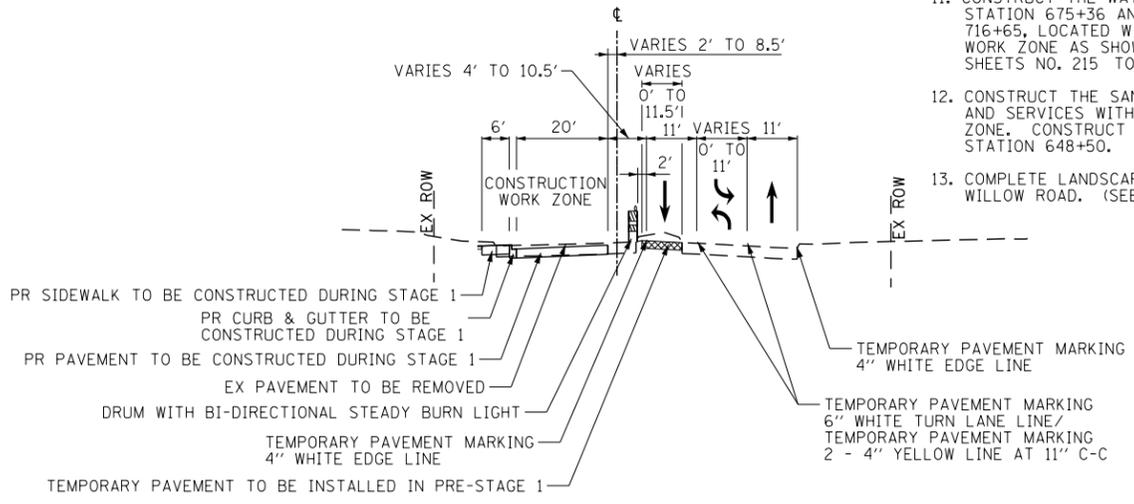
MAINTENANCE OF TRAFFIC TYPICAL SECTION - STAGE 1

WILLOW ROAD  
STATION 658+08.00 TO STATION 668+92.00  
STATION 696+71.61 TO STATION 715+60.00



MAINTENANCE OF TRAFFIC TYPICAL SECTION - STAGE 1

WILLOW ROAD  
STATION 668+92.00 TO STATION 696+71.61



MAINTENANCE OF TRAFFIC TYPICAL SECTION - STAGE 1

WILLOW ROAD  
STATION 715+60.00 TO STATION 726+76.26

PRE-STAGE 1

1. MAINTAIN TWO-WAY TRAFFIC FLOW ON WILLOW ROAD.
2. THE FOLLOWING SHALL BE COMPLETED USING STANDARD 701421-05, 701501-06, 701601-07, 701606-08, OR 701701-08 AS NEEDED FOR DAYTIME LANE CLOSURES. A MINIMUM OF ONE LANE SHALL BE MAINTAINED IN EACH DIRECTION.
  - a. REMOVE EXISTING MEDIAN AND REPLACE WITH TEMPORARY PAVEMENT ALONG WILLOW AS SHOWN ON THE PLANS (SEE SHEETS NO. 113 TO 119). SEE SHEET NO. 111 FOR GUIDANCE ON TEMPORARY PAVEMENT CROSS SLOPES.
  - b. REMOVE EXISTING CORNER ISLAND AND REPLACE WITH TEMPORARY PAVEMENT AT THE WILLOW ROAD INTERSECTION OF ILLINOIS ROUTE 43.
  - c. CONSTRUCT THE PROPOSED RETAINING WALL ALONG THE SOUTH SIDE OF WILLOW ROAD FROM STA 711+98 TO 714+45.
  - d. REMOVE EXISTING PAVED SHOULDER ALONG THE SOUTH SIDE OF WILLOW ROAD FROM STA 661+00 TO STA 714+15. CONSTRUCT TEMPORARY PAVEMENT ALONG THE SOUTH EDGE OF PAVEMENT AS SHOWN ON THE STAGE 1 TYPICAL SECTIONS AND STAGING PLANS (SEE SHEETS NO. 113 TO 119).
  - e. CONSTRUCT THE TEMPORARY ACCESS FROM GRAEMERE STREET FOR THE DRIVEWAY ON THE SOUTH SIDE OF WILLOW ROAD AT STA 695+18.
  - f. CONSTRUCT THE PROPOSED FORCE MAIN ALONG THE SOUTH SIDE OF WILLOW ROAD FROM STATION 642+60 TO 648+50.
  - g. CONSTRUCT THE WATER MAIN AND SERVICES FROM STATION 665+67 TO STATION 675+36. PRESSURE TEST AND CHLORINATE THE PROPOSED WATER MAIN AND TRANSFER SERVICES FROM THE EXISTING WATER MAIN TO THE PROPOSED WATER MAIN.
  - h. CONSTRUCT THE WATER MAIN FROM STATION 709+89 TO STATION 716+65. THIS INCLUDES THE PORTION OF WATER MAIN TO BE DIRECTIONALLY BORED UNDER THE MIDDLE FORK NORTH BRANCH OF THE CHICAGO RIVER. PRESSURE TEST AND CHLORINATE THE PROPOSED WATER MAIN WITHIN THIS STATION RANGE AND TRANSFER SERVICES FROM THE EXISTING WATER MAIN TO THE PROPOSED WATER MAIN. CONNECT EXISTING WATER MAIN TO PROPOSED WATER MAIN.
3. INSTALL TEMPORARY TRAFFIC SIGNALS ALONG WILLOW ROAD AT THE FOLLOWING INTERSECTIONS: ILLINOIS ROUTE 43, THREE LAKES DRIVE/FOX MEADOW DRIVE, SUNSET RIDGE ROAD, WAGNER ROAD, OLD WILLOW ROAD/NORTHFIELD ROAD, AND CENTRAL AVENUE/HAPP ROAD.
4. SEE SHEETS 146 TO 147 FOR THE WILLOW ROAD AT ILLINOIS ROUTE 43 INTERSECTION MAINTENANCE OF TRAFFIC.

STAGE 1

1. USE STAGE 1 STAGING PLAN SHEETS (SEE SHEETS NO. 113 TO 119).
2. ESTABLISH TWO-WAY TRAFFIC FLOW ALONG THE SOUTH SIDE OF WILLOW ROAD. MAINTAIN TWO 11' THROUGH LANES FOR EASTBOUND TRAFFIC AND ONE 11' THROUGH LANE FOR THE WESTBOUND TRAFFIC FROM BEGINNING OF PROJECT TO STA 633+50. THE RIGHT EASTBOUND THROUGH LANE BECOMES A RIGHT TURN ONLY LANE AT THE INTERSECTION OF WILLOW ROAD AND ILLINOIS 43. MAINTAIN A MINIMUM OF ONE 11' THRU LANE IN EACH DIRECTION THROUGHOUT THE ENTIRE REST OF THE PROJECT LENGTH. AN 11' LEFT TURN LANE SHALL BE PROVIDED AT ALL SIGNALIZED INTERSECTION LOCATIONS UNLESS OTHERWISE SHOWN. (SEE SHEETS NO. 113 TO 119).
3. REMOVE EXISTING PAVEMENT AND SHOULDER OR CURB AND GUTTER ALONG THE NORTH SIDE OF WILLOW ROAD FROM STA 631+58 TO STA 726+76.
4. REMOVE THE PORTION OF LATERAL STORM SEWER AND CULVERTS WITHIN THE STAGE 1 CONSTRUCTION WORK ZONE AND THE EXISTING LONGITUDINAL STORM SEWER SYSTEM ALONG THE NORTH SIDE OF WILLOW ROAD AS SHOWN ON THE DRAINAGE PLANS (SEE SHEETS NO. 172 TO 178).
5. WITHIN THE STAGE 1 CONSTRUCTION WORK ZONE, CONSTRUCT ALL OF THE MAINLINE STORM SEWER AND THE LATERALS BETWEEN STA 631+58 AND STA 726+76. CONSULT THE DRAINAGE PLANS (SEE SHEETS NO. 179 TO 199) AND EROSION AND SEDIMENT CONTROL PLANS STAGE 1 (SEE SHEETS NO. 156 TO 171). A QUANTITY OF CLASS D PATCHES HAS BEEN PROVIDED FOR PATCHING TRENCHES OUTSIDE OF THE STAGE 1 CONSTRUCTION WORK ZONE.
6. CONSTRUCT THE WESTBOUND THRU LANES, RIGHT TURN LANES, OUTSIDE CURB AND GUTTER AND SIDEWALK ALONG THE NORTH SIDE OF WILLOW ROAD.
7. CONSTRUCT THE NORTH HALF OF THE WILLOW ROAD BRIDGE OVER THE MIDDLE FORK NORTH BRANCH OF THE CHICAGO RIVER.
8. CONSTRUCT THE NORTH PORTIONS OF THE INTERSECTIONS ALONG WILLOW ROAD BY ALTERNATELY CLOSING THESE INTERSECTIONS AND DETOURING LOCAL TRAFFIC TO ADJACENT INTERSECTIONS. THE CLOSING OF THE INTERSECTIONS WILL BE LIMITED TO A LONG WEEKEND CLOSURE (I.E. FRIDAY TO TUESDAY). ALL CLOSURES SHALL BE COORDINATED WITH THE VILLAGE OF NORTHFIELD AT LEAST TWO WEEKS IN ADVANCE OF THE CLOSURE.
9. CONSTRUCT ALL DRIVEWAYS ALONG THE NORTH SIDE OF WILLOW ROAD. DRIVEWAYS ARE TO REMAIN OPEN THROUGHOUT CONSTRUCTION UNLESS OTHERWISE SHOWN ON THE PLANS. PCC DRIVEWAYS SHALL BE CONSTRUCTED ONE LANE AT A TIME WHILE PROVIDING TWO LANES FOR TRAFFIC. HMA DRIVEWAYS SHALL BE CONSTRUCTED ONE HALF AT A TIME WHILE UTILIZING TEMPORARY ACCESS FOR TRAFFIC.
10. INSTALL PERMANENT LIGHTING ALONG THE NORTH SIDE OF WILLOW ROAD.
11. CONSTRUCT THE WATER MAIN AND SERVICES BETWEEN STATION 675+36 AND 709+89, AND EAST OF STATION 716+65, LOCATED WITHIN THE STAGE 1 CONSTRUCTION WORK ZONE AS SHOWN ON THE WATER MAIN PLANS (SEE SHEETS NO. 215 TO 230).
12. CONSTRUCT THE SANITARY SEWER, THE FORCE MAIN AND SERVICES WITHIN THE STAGE 1 CONSTRUCTION ZONE. CONSTRUCT THE FORCE MAIN CROSSING AT STATION 648+50.
13. COMPLETE LANDSCAPING ALONG THE NORTH SIDE OF WILLOW ROAD. (SEE SHEETS NO. 334 TO 342).

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		CHECKED - RCB	REVISED -
		DATE - 10/31/2012	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUGGESTED CONSTRUCTION PROCEDURES AND MAINTENANCE OF TRAFFIC TYPICAL SECTIONS AND NOTES	
SCALE: N.T.S.	SHEET NO. 105 OF 919 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
305	(1920.01,1518,2022&1922,4BIR	COOK	919	105
CONTRACT NO. 60T35				
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				