

DISTRICT ONE DETAILS

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- BD-02 DRIVEWAY DETAILS - DISTANCE BETWEEN ROW AND FACE OF CURB
- BD-07 DETAIL OF STORM SEWER CONNECTION TO EXISTING SEWER
- BD-22 PAVEMENT PATCHING FOR BITUMINOUS TAPER DETAILS
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- BD-36 FIRE HYDRANTS TO BE MOVED
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- TC-10 TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS AND DRIVEWAYS
- TC-11 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
- TC-13 DISTRICT ONE TYPICAL PAVEMENT MARKINGS
- TC-14 TRAFFIC CONTROL AND PROTECTION AT TURN BAYS
- TC-16 PAVEMENT MARKING LETTERS AND SYMBOLS FOR TRAFFIC STAGING
- TC-18 SIGNING FOR FLAGGING OPERATIONS AT WORK ZONE OPENINGS
- TC-22 TEMPORARY INFORMATION SIGNING
- TS-05 DISTRICT ONE STANDARD TRAFFIC SIGNAL DESIGN DETAILS (SHEET 1)
- TS-07 DISTRICT ONE DETECTOR LOOP INSTALLATION DETAILS FOR ROADWAY RESURFACING
- BE-215 LIGHTING CONTROLLER SINGLE DOOR
- BE-220 ELECTRIC SERVICE INSTALLATION, AERIAL REMOTE DISCONNECT
- BE-301 LIGHT POLE FOUNDATION 12.192M (40') TO 14.478M (47'6") M.H. 381 (15") BOLT CIRCLE
- BE-330 LIGHT POLE MOUNTED ON CONCRETE PARAPET WALL
- BE-400 ALUMINUM LIGHT POLE 14.478M (47'6") MOUNTING HEIGHT
- BE-701 LUMINAIRE SAFETY CABLE ASSEMBLY
- BE-702 MISC. ELECTRICAL DETAILS SHEET A
- BE-800 TEMPORARY LIGHT POLE DETAILS
- BE-801 TEMPORARY AERIAL CABLE INSTALLATION
- BE-900 SUSPENDED MOUNT UNDERPASS LUMINAIRE INSTALLATION DETAILS

GENERAL NOTES

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "JULIE" AT (800) 892-0123 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE, AND GAS FACILITIES. IN ADDITION, THE CONTRACTOR SHALL CONTACT THE VILLAGE OF PALATINE, VILLAGE OF INVERNESS AND COOK COUNTY HIGHWAY DEPARTMENT FOR FIELD LOCATIONS OF WATER MAIN, SANITARY SEWER, ELECTRIC, AND ALL MUNICIPAL UTILITIES. (48 HOURS NOTIFICATION IS REQUIRED.)
2. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, THE VILLAGE OF PALATINE, VILLAGE OF INVERNESS AND FOREST PRESERVE DISTRICT OF COOK COUNTY.
3. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN CONSENT FROM THE DEPARTMENT.
4. 3 METER (10 FOOT) TRANSITIONS SHALL BE USED TO MATCH PROPOSED ITEMS OF WORK TO THE EXISTING ITEMS IN THE FIELD, UNLESS OTHERWISE SHOWN. THE TRANSITIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PROPOSED ITEM OF WORK SPECIFIED.
5. THE CONTRACTOR SHALL PROVIDE AND INSTALL TWO (2) WEIGHTED SAND BAGS ON EACH TYPE I OR II BARRICADE USED. (ONE (1) WEIGHTED SAND BAG ACROSS EACH BOTTOM RAIL.) TYPE III BARRICADES SHALL HAVE FOUR (4) WEIGHTED SANDBAGS.
6. WHEN ARTIFICIAL LIGHTING IS UTILIZED IN NIGHT OPERATIONS, THE CONTRACTOR SHALL EXERCISE THE UTMOST PRECAUTIONS PREVENTING ADVERSE VISIBILITY TO THE MOTORING PUBLIC AND ADJOINING RESIDENTIAL AREAS.
7. ALL STORM SEWER CONNECTIONS WITH PIPES 675 mm (27") DIAMETER AND SMALLER SHALL BE MADE WITH PRECAST "TEE" OR "WYE" PIPES. FOR PROPOSED STORM SEWER PIPES LARGER THAN 675 mm (27") DIAMETER, OPENINGS OF THE SPECIFIED DIAMETER SHALL BE MADE IN THE PIPE AT THE TIME IT IS MANUFACTURED. PRECAST TEE AND WYE CONNECTIONS FOR PROPOSED STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF STORM SEWER.
8. ALL ELEVATIONS REFER TO U.S.G.S. MEAN SEA LEVEL DATUM.
9. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO HIRE AN ENVIRONMENTAL FIRM THAT IS PREQUALIFIED IN HAZARDOUS WASTE BY THE DEPARTMENT. THE PREQUALIFIED CONSULTANT MUST CONTINUOUSLY MONITOR ALL SOIL EXCAVATION AT SEVERAL LOCATIONS DURING EXECUTION OF THIS CONTRACT.
10. ALL TEMPORARY SHEET PILING NECESSARY FOR THE PLACEMENT OF STORM SEWER, SANITARY SEWER, AND WATERMAIN SHALL BE INCLUDED IN THE COST OF THE ITEM BEING INSTALLED.
11. APPROXIMATELY 1,305 METERS OF FULL-DEPTH SAWING IS REQUIRED TO SATISFACTORILY REMOVE THE EXISTING PAVEMENT AND DRIVEWAYS. THE COST OF THE FULL-DEPTH SAWING SHALL BE INCLUDED IN THE COST OF THE ITEM BEING REMOVED.
12. PAVEMENT ROUND-OUTS FOR DRAINAGE AND UTILITY STRUCTURES LOCATED WITHIN THE PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE DETAILS SHOWN ON HIGHWAY STANDARD 420111. THIS WORK SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST FOR PORTLAND CEMENT CONCRETE PAVEMENT (JOINTED) OF THE THICKNESS SPECIFIED.
13. THE ADDITIONAL THICKNESS OF AGGREGATE SUBGRADE, 300MM UNDER THE SHOULDER SHALL BE INCLUDED IN THE COST FOR AGGREGATE SUBGRADE, 300MM. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
14. ESTIMATED VOLUME OF CONCRETE TO BE REMOVED FROM EXISTING IL 68 OVER US 14 STRUCTURE = 551 CU M AND WEIGHT OF STRUCTURAL STEEL TO BE REMOVED = 196490 KG.
15. ESTIMATED VOLUME OF CONCRETE TO BE REMOVED FROM EXISTING IL 68 OVER UPRR STRUCTURE = 698 CU M AND 985 SQ M OF PPC DECK BEAMS.
16. TWO WEEKS BEFORE STARTING PLACEMENT OF PERMANENT PAVEMENT MARKINGS, THE CONTRACTOR SHALL CONTACT WALTER CZARNY, TRAFFIC F.E., AT (773) 685-8386.
17. BEFORE STARTING THE CONSTRUCTION, THE CONTRACTOR SHALL CONTACT IDOT BUREAU OF MAINTENANCE, ROADSIDE DEVELOPMENT UNIT, MELISSA DEL ROSARIO AT (847) 705-4171 FOR THE PROTECTION OF THE EXISTING LANDSCAPING.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	*	COOK	283	3
STA. 9+713.000		TO STA. 10+151.000		
FED. ROAD DIST. NO. 1		ILLINOIS	FED. AID PROJECT	
* 70D-Y-B-R & 70HB-R-1		62897		

HMA MIXTURE REQUIREMENTS CHART		
MIXTURE USE	AC Type	VOIDS
IL RTE. 68 & RAMP		
STABILIZED SUB-BASE, 115mm	PG 58-22	2% @ 30 GYR
SHOULDERS		
HMA SHOULDERS 150MM	PG 58-22	2% @ 30 GYR
TEMPORARY PAVEMENT		
HMA BASE COURSE 200MM (HMA BINDER IL-19MM)	PG 58-22	4% @ 50 GYR
HMA SURFACE, MIX "D", N60 (IL 9.5MM)	PG 64-22	4% @ 70 GYR
ACCESS ROAD		
HMA SURFACE, MIX "D", N70 (IL 9.5MM)	PG 64-22	4% @ 70 GYR
HMA BASE COURSE 200MM (HMA BINDER IL-19MM)	PG 58-22	4% @ 50 GYR
IL RTE 68 BUTT JOINTS & DRIVEWAY		
HMA SURFACE, MIX "D", N70 (IL 9.5MM) DRIVEWAY	PG 64-22	4% @ 70 GYR
HMA BASE COURSE 150MM (HMA BINDER IL-19MM)	PG 58-22	4% @ 50 GYR

THE UNIT WEIGHT USED TO CALCULATE BITUMINOUS SURFACE MIXTURES IS 2.4Kg/SqM/mm.
CONTRACTOR HAS OPTION TO VARY RAP %. WHEN RAP % EXCEEDS 20%, THE NEW ASPHALT BINDER SHALL BE PG 58-22

NO COMMITMENTS FOR THIS PROJECT

NOTE: BOXED ITEMS INDICATE WORK NOT PAID FOR SEPARATELY, BUT INCLUDED AS PART OF ANOTHER PAY ITEM OR COST ASSOCIATED WITH THE CONTRACT.

2 REV. 2-15-07

1 REV. 1-9-07

3 Rev. 3-1-07

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
ILLINOIS ROUTE 68

DISTRICT ONE DETAILS,
GENERAL NOTES AND COMMITMENTS

SCALE NTS DRAWN BY GRH
DATE OCTOBER, 2006 CHECKED BY PK

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
343	*	COOK	283	9
STA. 9+713.000		TO STA. 10+151.000		
FED. ROAD DIST. NO. 1		ILLINOIS FED. AID PROJECT		
* 70D-Y-B-R & 70HB-R-1		62897		

SUMMARY OF QUANTITIES										
IL ROUTE 68 @ US 14 IDOT PROJECT # D-91-097-05										
ITEM #	ITEM DESCRIPTION	UNIT	URBAN 80% DEP. ESTATE QUANTITY	F ROADWAY J000-2A	F STRUCTURE IL 68 OVER US 14 X271-2A	F STRUCTURE IL 68 OVER LPRR X171-5A	F TRAFFIC SIGNALS Y031-1F	F MSE AND RETAINING WALLS Y007	F HIGHWAY LIGHTING Y030-1E	F Y031-3D VILLAGE OF PALATINE 100% VILLAGE
MX032761	ELECTRICAL HANDHOLE, 900MM DIAMETER WITH 600MM FRAME AND LID	EACH	1							
MX032819	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	METER	1,027				1,027			
MX033276	TEMPORARY SOIL RETENTION SYSTEM	SG M	218			218				
MX033305	EMERGENCY VEHICLE PRIORITY SYSTEM LINE BEACON CABLE, NO. 20 3/C	METER	374.72							374.72
MX033306	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	METER	375.08							375.08
MX033446	DRILLING AND SETTING SOLDIER PILES (IN SOIL)	CU M	249.6					249.6		
MX843010	REMOVE EXISTING CONDUIT ATTACHED TO STRUCTURE	METER	110						110	
MX871055	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM12F	METER	1,027				1,027			
MX873027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	METER	447.4				447.4			
MX878030	CONCRETE FOUNDATION, TYPE E 900MM DIAMETER	METER	13.2				13.2			
MZ001050	AGGREGATE SUBGRADE 300MM	SQ M	17,912	17,912						
MZ022800	FENCE REMOVAL	METER	76	76						
MZ031105	MECHANICALLY STABILIZED EARTH RETAINING WALL	SQ M	1013		287	766				
MZ031106	TEMPORARY MECHANICALLY STABILIZED EARTH RETAINING WALL	SQ M	316		61	255				
Z0001900	ASBESTOS REMOVAL PAD REMOVAL	EACH								
Z0007601	BUILDING REMOVAL NO. 1	L SUM	1	1						
Z0007602	BUILDING REMOVAL NO. 2	L SUM	1	1						
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1						
Z0018500	DRAINAGE STRUCTURES TO BE CLEANED	EACH	22	22						
Z0018801	DRAINAGE SYSTEM NO. 1	EACH	1		1					
Z0018802	DRAINAGE SYSTEM NO. 2	EACH	1			1				
Z0018900	DRILL AND GROUT DOWEL BARS	EACH	128	128						
Z0030250	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 3	EACH	12	12						
Z0030350	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 3	EACH	5	5						
Z0048668	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1						
Z0049801	REMOVAL AND DISPOSAL OF FRIABLE ASBESTOS, BUILDING NO. 1	L SUM	1	1						
Z0049802	REMOVAL AND DISPOSAL OF FRIABLE ASBESTOS, BUILDING NO. 2	L SUM	1	1						
Z0049901	REMOVAL AND DISPOSAL OF NON-FRIABLE ASBESTOS, BUILDING NO. 1	L SUM	1	1						
Z0049902	REMOVAL AND DISPOSAL OF NON-FRIABLE ASBESTOS, BUILDING NO. 2	L SUM	1	1						
Z0050000	REMOVAL AND REINSTALLATION OF EXISTING IMPACT ATTENUATORS	EACH	2	2						
Z0076000	TRAINING	HOUR	1000	1000						
X0301023	CONFIRMATION BEACON	EACH	4							4
X0322424	TEMPORARY UNDERPASS LIGHTING INSTALLATION AND REMOVAL	L SUM	1						1	
X0323157	REMOVE LUMINAIRE FROM UNDERPASS	EACH	4						4	
X0323412	REMOVE EXISTING SERVICE INSTALLATION	EACH	1						1	
X0323574	MAINTENANCE OF LIGHTING SYSTEM	CAL MO	9						9	
X0323082	DRAINAGE SCUPPERS, DS-33	EACH	1			1				
X0324387	LUMINAIRE SAFETY CABLE ASSEMBLY	EACH	44						44	
X0323830	DRAINAGE SCUPPERS, DS-11	EACH	3			4				
X0324350	SERVICE INSTALLATION 100 AMP 180' MIN	EACH	1							
X4021000	TEMPORARY ACCESS (PRIVATE ENTRANCE)	EACH	1	1						
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	1	1						
X6700410	ENGINEER'S FIELD OFFICE, TYPE A (SPECIAL)	CAL MO	14	14						
X8050015	CHANGEABLE MESSAGE SIGN	CAL MO	16	16						
X8050015	SERVICE INSTALLATION - POLE MOUNTED	EACH	2				2			
X8100110	REMOVE TEMPORARY LIGHTING UNITS	EACH	12						12	
X8180110	MODIFY EXISTING TYPE "D" FOUNDATION	EACH	2						2	
XX001017	REMOVE RIGHT-OF-WAY MARKERS	EACH	6	6						
XX002856	RE OPTIMIZE TRAFFIC SIGNAL SYSTEM	L SUM	1							
XX003162	EMERGENCY VEHICLE PRIORITY SYSTEM DETECTOR UNIT	EACH	4							4
XX003503	FLARED END SECTION REMOVAL	EACH	1	1						
XX025074	OPTIMIZE TRAFFIC SIGNAL SYSTEM	L SUM	1							
XX032322	ERECTING PRECAST PRESTRESSED CONCRETE DECK BEAM (600MM DEPTH)	SQ M	12.69							12.69

WEIGHT OF STEEL = 348580KG

● Y080
 ○ NON-PARTICIPATING
 △ SFTY-3N
 * SPECIALTY ITEMS

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION ILLINOIS ROUTE 68
NAME	DATE	
Rev. 3-1-07		SUMMARY OF QUANTITIES - 6
Rev. 2-21-07		
Rev. 1-8-07		
SCALE NTS	DATE OCTOBER, 2006	DRAWN BY RDT CHECKED BY PK

Rev. 3-1-07
 Rev. 2-21-07
 Rev. 1-8-07