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HIGHWAY STANDARDS

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701602-05	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701701-07	URBAN LANE CLOSURE, MULTILANE INTERSECTION
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728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)
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DISTRICT D4 STANDARDS

406101-D4	BUTT JOINT
423101-D4	URBAN ENTRANCES, ACCESSIBLE TO THE DISABLED, FOR CURBLINE SIDEWALK
423106-D4	URBAN ENTRANCES, ACCESSIBLE TO THE DISABLED, FOR SEPARATED SIDEWALK
424001-D4	SIDEWALK RAMPS, ACCESSIBLE TO THE DISABLED
440001-D4	HOT MIX ASPHALT SURFACE REMOVAL (COLD MILLING)
601701-D4	SLOTTED VANE DRAIN
602001-D4	INLETS, TYPE G-1
602011-D4	INLETS, TYPE G-1 DOUBLE
602021-D4	INLET-MANHOLE, TYPE G-1
604001-D4	FRAME & GRATES FOR TYPE G-1 AND TYPE G-1, SPECIAL DRAINAGE STRUCTURES
604201-D4	FRAME & GRATES ADJUSTING RING
701501-D4	LANE CLOSURE, 2L, 2W WITH 2W LEFT TURN LANE FOR SPEEDS < 45MPH (STANDARD 701501 SPECIAL)
701606-D4	STANDARD 701606 (SPECIAL) URBAN LANE CLOSURE MULTILANE, 2-WAY WITH BIDIRECTIONAL LEFT TURN LANE FOR SPEEDS < 45MPH
780001-D4	TYPICAL PAVEMENT MARKINGS

STATUS OF UTILITIES TO BE ADJUSTED

THE FOLLOWING UTILITIES ARE LOCATED WITHIN THE PROJECT LIMITS. FOR RELOCATIONS, THE UTILITY COMPANIES HAVE PROVIDED THE ESTIMATED DATES.

NAME OF UTILITY	TYPE	LOCATION	ESTIMATED DATES FOR START AND COMPLETION OF RELOCATION OR ADJUSTMENTS
CITY OF CANTON	FIRE HYDRANT	STA 10+10, 45'RT	
CITY OF CANTON	FIRE HYDRANT	STA 19+10, 40'LT	
AT&T	BURIED TELEPHONE	STA 10+00-14+00, 27'RT TO 34'RT	
AT&T	MANHOLE	STA 10+25, 27'RT	
AT&T	MANHOLE	STA 12+00, 27'RT	
COMCAST	POLE	STA 10+25, 45'LT	
AMEREN CIPS	POLE	STA 10+25, 45'LT	
AMEREN CIPS	POLE	STA 18+50, 45'LT	
AMEREN CIPS	POLE	STA 19+90, 25'RT	

THE ABOVE REPRESENTS THE BEST INFORMATION AVAILABLE TO THE DEPARTMENT AND IS ONLY INCLUDED FOR THE CONVENIENCE OF THE BIDDER. THE APPLICABLE PROVISIONS OF RECURRING SPECIAL PROVISIONS LRS1, LRS6 AND ARTICLES 105.07, 107.31, AND 108.02 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION SHALL APPLY.

THE ESTIMATED UTILITY RELOCATION DATES SHOULD BE PART OF THE PROGRESS SCHEDULE SUBMITTED BY THE CONTRACTOR. IF ANY UTILITY ADJUSTMENTS OR RELOCATIONS HAVE NOT BEEN COMPLETED BY THE ABOVE DATES SPECIFIED AND WHEN REQUIRED BY THE CONTRACTOR'S OPERATIONS AFTER THESE DATES, THE CONTRACTOR SHOULD NOTIFY THE ENGINEER IN WRITING. A REQUEST FOR AN EXTENSION OF TIME WILL BE CONSIDERED TO THE EXTENT THE CONTRACTORS CRITICAL PATH SCHEDULE IS AFFECTED.

MIXTURE REQUIREMENTS

MIXTURE USE(S):	HMA SURFACE	LEVEL BINDER
PG GRADE:	SBS or SBR 70-22	SBS or SBR 70-22
RAP % (MAX) **:	10%	10%
DESIGN AIR VOIDS:	4.0% @ N=50	4.0% @ N=50
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL 9.5 OR IL 12.5	IL 4.75
FRICION AGGREGATE	MIXTURE "E"	N.A.

MIXTURE USE(S):	BINDER COURSE	MICRO-SURFACING
PG GRADE:	SBS or SBR 70-22	
RAP % (MAX) **:	10%	
DESIGN AIR VOIDS:	4.0% @ N=50	
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL 19.0	
FRICION AGGREGATE	N.A.	MIXTURE "D"

RATES

FOR HMA: 112 LBS/SO.YD./IN.
FOR MICRO-SURFACING: 20 LBS/SO.YD.

FOR BIT MATLS (PRIME COAT):

-ON COLD MILLED AREA: 0.35 GAL/SO.YD.
-ON PCC PAV'T: 0.35 GAL/SO.YD.

FOR AGGREGATE (PRIME COAT):

-ON COLD MILLED AREA: 4 LBS/SO.YD.
-ON PCC PAV'T: 4 LBS/SO.YD.

** WHEN MORE THAN 20 PERCENT RAP IS USED, A SOFTER ASPHALT BINDER (PG58-22) MAY BE REQUIRED AS DETERMINED BY THE ENGINEER.