

GENERAL NOTES

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- ① WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKS AND MONUMENTS UNTIL THE OWNER, AND AUTHORIZED SURVEYOR OR AGENT HAS WITNESSES OR OTHERWISE REFERENCED THEIR LOCATION.
- ② THE NOMINAL THICKNESS FOR BASE AND SURFACE COURSES ARE SHOWN ON THE TYPICAL SECTIONS, STANDARDS, SCHEDULES, OR SPECIAL DETAILS. THE CONSTRUCTED THICKNESS OF THE ABOVE ITEM SHALL NOT BE LESS THAN 90 PERCENT OF THE NOMINAL THICKNESS AT ANY LOCATION.
- ③ THE THICKNESS OF THE HMA MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATION OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HOT-MIX ASPHALT MIXTURE IS PLACED.
- ④ ANY REFERENCE TO A STANDARD IN THE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION, AS INDICATED BY THE SUB-NUMBER LISTED IN THE INDEX OF SHEETS, OR THE COPY OF THE STANDARD INCLUDED IN THE PLANS.
- ⑤ THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE JULIE NUMBER IS 800-892-0123. A MINIMUM OF FORTY-EIGHT HOURS ADVANCED NOTICE IS REQUIRED. ANY DAMAGE TO THE UNDERGROUND FACILITIES CAUSED BY THE CONTRACTOR SHALL BE REPAIRED TO THE SATISFACTION OF THE DEPARTMENT AT THE CONTRACTOR'S EXPENSE, INCLUDING TEMPORARY REPAIRS WHICH MAY BE REQUIRED TO KEEP THE FACILITY OPERATIONAL WHILE MATERIAL IS BEING OBTAINED TO MAKE PERMANENT REPAIRS.
- ⑥ THE LOCATIONS OF THOSE BURIED AND ABOVEGROUND UTILITIES SHOWN ARE APPROXIMATE, ARE SHOWN FOR CONTRACTOR INFORMATIONAL USE ONLY, AND ARE NOT TO BE REFERENCED FOR CONSTRUCTION PURPOSES. THE IMPLIED PRESENCE OR ABSENCE OF UTILITIES IS NOT TO BE CONSTRUED BY THE OWNER, ENGINEER, CONTRACTOR OR SUBCONTRACTORS TO BE AN ACCURATE AND COMPLETE REPRESENTATION OF UTILITIES THAT MAY OR MAY NOT EXIST ON THE CONSTRUCTION SITE. BURIED AND ABOVE GROUND UTILITY LOCATIONS, IDENTIFICATION, AND MARKING ARE THE SOLE RESPONSIBILITY OF THE CONTRACTOR, REROUTING, DISCONNECTION, PROTECTION, ...ETC OF ANY UTILITIES MUST BE COORDINATED BETWEEN CONTRACTOR, UTILITY COMPANY, AND OWNER. SITE SAFETY, INCLUDING THE AVOIDANCE OF HAZARDOUS ASSOCIATED WITH BURIED AND ABOVE GROUND UTILITIES REMAIN THE SOLE RESPONSIBILITY OF THE CONTRACTOR.
- ⑦ THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE:

LOCATION(S):	CHATHAM RD.	CHATHAM RD.	CHATHAM RD.	CHATHAM RD.
MIXTURE USE(S):	HMA CONC SURF CSE	PATCHING	HMA BASE CSE 9"	HMA SHOULDERS 6.5"
AC/PG:	• PG 64-22	• PG 64-22	• PG 64-22	• PG 58-22
DESIGN AIR VOIDS	4.0 @ N design = 70	4.0 @ N design = 50	4.0 @ N design = 50	2.0 @ N design = 30
MIXTURE COMPOSITION (Gradation Mixture)	IL 9.5 OR 12.5	IL 19.0	IL 19.0	BAM MIX (Other)
FRICITION AGGREGATE	MIX "D"	N/A	N/A	N/A

- ⑧ IN ADDITION TO FIELD AND AERIAL SURVEYS, PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING FACILITIES HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD. SUCH VARIATIONS SHALL NOT BE A CAUSE FOR ADDITIONAL COMPENSATION DUE TO A CHANGE IN THE SCOPE OF WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
- ⑨ THE EXACT LOCATIONS AND SIZES OF PAVEMENT PATCHES SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.
- ⑩ THE APPROXIMATE AVERAGE THICKNESS OF 2" IS USED FOR CALCULATING THE QUANTITY FOR AGGREGATE SHOULDERS, TYPE B.
- ⑪ ANY SEEDING AND OTHER RELATED WORK INVOLVED IN EARTHWORK ALONG CHATHAM RD AND E. LAKE SHORE DR SHALL BE DONE TO THE SATISFACTION OF THE ENGINEER AND BE INCLUDED IN THE COST FOR GRADING AND SHAPING SHOULDERS.
- ⑫ ALL EARTH EXCAVATION AND RELATED WORK NECESSARY TO CONSTRUCT THE HOT-MIX ASPHALT BASE COURSE, 9" LOCATED AT THE NORTHWEST QUADRANT OF THIS INTERSECTION IMPROVMENT SHALL BE IN ACCORDANCE WITH SECTION 202 OF THE STANDARD SPECIFICATIONS AND BE INCLUDED IN THE COST FOR HOT-MIX ASPHALT BASE COURSE, 9".

RATES OF APPLICATION TABLES

THE FOLLOWING RATES OF APPLICATION HAVE BEEN ASSUMED IN CALCULATING PLAN QUANTITIES.

BITUMINOUS MATERIALS (PRIME COAT): 0.00038 TON / SQ YD (ON PAVEMENT)
 0.001425 TON / SQ YD (ON AGGREGATE)
 AGGREGATE MATERIALS (PRIME COAT): 0.002 TON / SQ YD
 HMA SURFACE MIX D / BINDER (112 LBS): 0.056 TON / SQ YD • In
 AGGREGATE MATERIALS: 2.05 TON / CU YD

COMMITMENTS

THE RESIDENT ENGINEER SHALL CONTACT STUDIES AND PLANS CONCERNING ANY MAJOR PLAN CHANGE. TO MAKE SURE NO PREVIOUS COMMENTS (NOT LISTED) WERE MADE AFFECTING THE DESIGN AND ALLOW AN IMPROVED DESIGN FOR FUTURE PROJECTS.

STANDARDS

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| 000001-06
442201-03
542401-01
606001-04
606301-04
635011-02
701011-02
701101-02
701201-04
701301-04
701306-03
701311-03
701326-04
701421-03
701501-06
701701-07
701901-01
720001-01
720006-02
720011-01
728001-01
731001-01
780001-02
781001-03
805001-01
814001-02
814006-02
825011-01
836001
857001-01
862001-01
873001-02
877001-04
878001-08
880006-01 | STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
CLASS C & D PATCHES
METAL END SECTION FOR PIPE CULVERTS
CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
PC CONCRETE ISLANDS AND MEDIANS
REFLECTOR MARKER AND MOUNTING DETAIL
OFF ROAD MOVING OPERATIONS 2L, 2W DAY ONLY (SHOULDER WORK)
OFF ROAD MOVING OPERATIONS MULTILANE 15' TO 24' FROM PAVEMENT EDGE (SHOULDER WORK)
LANE CLOSURE 2L, 2W DAY ONLY, FOR SPEEDS ≥ 45MPH (PATCHING)
LANE CLOSURE 2L, 2W SHORT TIME OPERATIONS (MARKING PATCHES & CLEAN-UP)
LANE CLOSURE 2L, 2W SLOW MOVING OPERATIONS - DAY ONLY FOR SPEEDS ≥ 45MPH (HMA SURF, SHDR OPS, & MILL)
LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY (PAVEMENT MARKING & CLEANUP)
LANE CLOSURE 2L, 2W PAVEMENT WIDENING FOR SPEEDS ≥ 45 MPH (PAVEMENT WIDENING)
LANE CLOSURE MULTILANE DAY OPERATIONS ONLY, FOR SPEEDS ≥ 45 MPH TO 55 MPH (PATCHING & HMA RESURF)
URBAN LANE CLOSURE 2L, 2W UNDIVIDED
URBAN LANE CLOSURE MULTILANE INTERSECTION
TRAFFIC CONTROL DEVICES
SIGN PANEL MOUNTING DETAILS
SIGN PANEL ERECTION DETAILS
METAL POSTS FOR SIGNS, MARKERS, & DELINEATORS
TELESCOPING STEEL SIGN SUPPORT
BASE FOR TELESCOPING STEEL SIGN SUPPORT
TYPICAL PAVEMENT MARKING
TYPICAL APPLICATIONS OF RAISED REFLECTIVE PAVEMENT MARKINGS
ELECTRIC SERVICE INSTALLATION DETAILS
HANDHOLES
DOUBLE HANDHOLES
LIGHTING CONTROLLER PEDESTAL MOUNTED, 240V
LIGHT POLE FOUNDATION
STANDARD PHASE DESIGNATION DIAGRAMS
UNINTERRUPTIBLE POWER SUPPLY
TRAFFIC SIGNAL GROUNDING AND BOUNDING
STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'
CONCRETE FOUNDATION DETAILS
TRAFFIC SIGNAL MOUNTING DETAIL |
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THE ITALICIZED TEXT DESCRIBING STANDARDS ARE GENERAL USES FOR THE APPLICATION SPECIFIED AND NOT LIMITED TO THEM.

DISTRICT SIX	
EXAMINED <i>August 8</i>	20 <i>11</i>
<i>Die Walker</i>	
OPERATIONS ENGINEER	
EXAMINED <i>Aug 2</i>	20 <i>11</i>
<i>Jimmy J. ...</i>	
PROJECT IMPLEMENTATION ENGINEER	
EXAMINED <i>July 26</i>	20 <i>11</i>
<i>2RM LP</i>	
PROGRAM DEVELOPMENT ENGINEER	