## SOME HIGHLIGHTS OF MATERIAL COMPACTION REQUIREMENTS

STANDARD SPECIFICATIONS FOR CONSTRUCTION SECTION	MATERIAL	TESTING METHOD AND REQUIREMENTS	
2.2: SUBGRADE COURSES 2.2A SUBGRADE PREPARATION	COMPACTED SUBGRADE	THE COMPLETED SUBGRADE SHALL HAVE A UNIFORM DENSITY OF NOT LESS THAN 95 PERCENT OF THE MAXIMUM DENSITY DETERMINED BY ASTM D698. MOISTURE CONTENT SHALL BE WITHIN MINUS 2 TO PLUS 2 PERCENT OF OPTIMUM.	
2.3C PORTLAND CEMENT TREATMENT (PUG BASE)	CEMENT TREATED BASE	RATHER THAN TESTING FOR COMPACTION, A SAMPLE SHALL BE TAKEN AT TIME OF PLACEMENT. THE CEMENT TREATED BASE SHALL BE FORMED IN A PROCTOR MOLD USING ASTM D698 COMPACTION METHODS WITHIN 2 HOURS OF SAMPLING. THE UNCONFINED COMPRESSION STRENGTH OF 500 PSI TO 1,200 PSI AT 7 DAYS MUST BE OBTAINED.	
SECTION 2.4: LIME TREATMENT	LIME TREATED SUBGRADE	THE COMPACTED MIXTURE SHALL HAVE A UNIFORM DENSITY OF NOT LESS THAN 95 PERCENT OF THE MAXIMUM DENSITY AS DETERMINED BY ASTM D698. MOISTURE CONTENT SHALL BE WITHIN 0 TO PLUS 4 PERCENT OF OPTIMUM.	
4.2: EXCAVATION AND BACKFILL	TRENCH BACKFILL TYPE A ALSO TO BE USED FOR CURB BACKFILL	COMPACTION SHALL BE A MINIMUM OF 95 PERCENT OF MAXIMUM DENSITY AS DETERMINED BY ASTM D698. MOISTURE CONTENT SHALL BE WITHIN MINUS 2 TO PLUS 2 PERCENT OF OPTIMUM.	
5.4 CONCRETE SIDEWALKS AND DRIVEWAY APPROACHES	COMPACTED SUBGRADE INCLUDING ITEMS OF <u>G-7</u> NOTE 6 AND <u>ST-1</u> NOTE 20. EXCLUDES CONTINUOUS RUN OF SUBGRADE UNDER PAVEMENT	THE COMPLETED SUBGRADE SHALL HAVE A UNIFORM DENSITY OF NOT LESS THAN 95 PERCENT OF THE MAXIMUM DENSITY DETERMINED BY ASTM DESIGNATION D698. MOISTURE CONTENT SHALL BE WITHIN MINUS 2 TO PLUS 2 PERCENT OF OPTIMUM.	
TXDOT ITEM 247 FLEXIBLE BASE TYPE D GRADE 1-2, EXCLUDING TYPE A MATERIAL WITH A MINIMUM P.I. OF 4.	RECYCLED CRUSHED CONCRETE BASE	THE COMPLETED SUBGRADE SHALL HAVE A UNIFORM DENSITY OF NOT LESS THAN 95 PERCENT OF THE MAXIMUM DENSITY DETERMINED BY ASTM DESIGNATION D698. MOISTURE CONTENT SHALL BE WITHIN MINUS 2 TO PLUS 2 PERCENT OF OPTIMUM.	
TXDOT ITEM 341 DENSE-GRADED HOT-MIX ASPHALT	SURFACING	COMPACT THE PAVEMENT UNIFORMLY TO CONTAIN BETWEEN 3.8 PERCENT AND 8.5 PERCENT IN-PLACE AIR VOIDS DETERMINED BY TEX-207-F AND TEX-227-F.	

NOTES: 1. SEE RELEVANT SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS INCLUDING MAXIMUM THICKNESS OF LAYERS PLACED LOOSE TO BE MECHANICALLY COMPACTED.

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