

TYPE AND ROAD CLASSIFICATION	COMMERCIAL/INDUSTRIAL ROADS			ALL OTHER ROADS			
	MINOR	MINOR COLLECTOR	MAJOR (3) COLLECTOR	MINOR	MINOR COLLECTOR	MAJOR (4) COLLECTOR	TOWNHOUSE PARKING
SURFACE COURSE:  TYPE  THICKNESS (IN.)	N/A	*	*	LEVEL 1 9.5 mm 76-22	LEVEL 2 9.5 mm 76-22	LEVEL 2 9.5 mm 76-22	LEVEL 1 9.5 mm 64-22
	N/A	2.00	2.00	1.50	1.50	1.50	1.50
BASE-COURSE  TYPE  THICKNESS (IN.)	N/A	*	*	LEVEL 1 19 mm 76-22	LEVEL 2 19 mm 76-22	LEVEL 2 19 mm 76-22	LEVEL 1 19 mm 64-22
	N/A	10.00	12.00	3.00	4.50	7.00	N/A
SUB-BASE  TYPE  THICKNESS (IN.)  NO. OF LIFT (2)	N/A	GA (1)	GA	GA	GA	GA	GA
	N/A	15.00	15.00	10.00	12.50	15.00	15.00
	N/A	2	2	2	2	2	2
MINIMUM STRUCTURAL NUMBER (SN) (4) (5)	N/A	6.90	7.70	3.20	4.15	5.50	2.90

\* ENGINEER MUST SUBMIT PAVEMENT DESIGN TYPE IN ACCORDANCE WITH STATE HIGHWAY ADMINISTRATION'S PAVEMENT DESIGN GUIDE.

- (1) GA = GRADED AGGREGATE (CAN BE REPLACED WITH BANK RUN GRAVEL AS SPECIFIED BY THE SHA SPECIFICATIONS, CERTIFIED BY A GEOTECHNICAL ENGINEER OR QUALIFIED SOILS TECHNICIAN, AND APPROVED BY THE DEPARTMENT. MINIMUM STRUCTURAL NUMBER SHALL BE MAINTAINED AT ALL TIMES.); IF BANK RUN GRAVEL IS USED, INCREASE THICKNESS BY 2".
- (2) LIFT THICKNESS SHALL NOT BE LESS THAN 4" AND SHALL NOT EXCEED 8".
- (3) FOR MAJOR COLLECTOR WITH TRAFFIC VOLUME EXCEEDING 5000 ADT OR TRUCK TRAFFIC VOLUME EXCEEDING 500/DAY/DIRECTION A DETAILED DESIGN PREPARED BY A PROFESSIONAL ENGINEER EXPERIENCED IN HIGHWAY PAVEMENT DESIGN SHALL BE SUBMITTED FOR APPROVAL BY THE DEPARTMENT.
- (4) THESE MINIMUM DESIGNS ARE BASED ON POOR SUB GRADE SOILS. THE STRUCTURAL NUMBER REQUIREMENTS, CAN BE REDUCED BY 0.8 IF A GEOTECHNICAL REPORT DEMONSTRATES EXISTENCE OF GOOD SUB GRADE SOILS AND IS APPROVED BY THE DEPARTMENT. SEE SECTION 4.01B FOR DEFINITION OF POOR & GOOD SOILS.
- (5) ALTERNATE PAVEMENT SECTIONS MEETING THE MINIMUM STRUCTURAL NUMBER REQUIREMENTS, CAN BE SUBMITTED TO THE DEPARTMENT WITH CALCULATIONS IN ACCORDANCE WITH SECTION 4.01C FOR APPROVAL.
- (6) MIX DESIGN SHALL BE SHA CERTIFIED AND CURRENT CERTIFICATION SHALL BE PROVIDED BY THE CONTRACTOR UPON REQUEST OF THE DEPARTMENT.

