STREET CLASSIFICATION	TRAFFIC INDEX	AC THICKNESS	BASE THICKNESS
AUGMENTED MAJOR ARTERIAL	TI= 9.0	5.5"	6.5"
MAJOR ARTERIAL	TI= 9.0	5.5"	6.5"
PRIMARY ARTERIAL	TI=8.0	4.5"	6.0"
SECONDARY ARTERIAL	TI=7.5	4.0"	6.0"
COLLECTOR STREET	TI=7.0	4.0"	5.0"
LOCAL (RESIDENTIAL) STREET	TI=6.0	3.0"	4.5"
PARKING LOT DRIVE AISLE	TI=6.0	3.0"	4.5"
PARKING BAYS	TI=5.5	3.0"	4.0

NOTES:

1. ASPHALT CONCRETE THICKNESS SHOWN IN THIS TABLE IS THE MINIMUM ALLOWABLE THICKNESS FOR THE RESPECTIVE STREET CLASSIFICATION. ASPHALT CONCRETE (AC) AND CLASS II BASE THICKNESS IS BASED ON AN ASSUMED SOIL RESISTANCE VALUE (R-VALUE) GREATER THAN, OR EQUAL TO, 5O FOR THE SUBGRADE SOIL UNDER THE STRUCTURAL SECTION. IF THE ACTUAL TESTED R-VALUE FOR THE SUBGRADE SOIL IS BELOW 50, THE STRUCTURAL SECTION MUST BE INCREASED. CONTRACTOR SHALL PROVIDE SOIL TEST(S) (NO LATER THAN THREE DAYS PRIOR TO BASE PLACEMENT) TO CONFIRM STREET AND PARKING LOT SECTIONS. THE CITY ENGINEER SHALL APPROVE THE ACTUAL SUBGRADE R-VALUES AND FINAL STREET SECTION PRIOR TO BASE PLACEMENT. THE STRUCTURAL SECTION SHALL BE CALCULATED UTILIZING A 20-YEAR DESIGN LIFE IN ACCORDANCE WITH CHAPTER A OF THE CALTRANS HIGHWAY DESIGN MANUAL (WWW.DOT.CA.GOV)

2. ALL ROADWAY AND PARKING LOT GRADES SHALL BE COMPACTED TO A MINIMUM OF 95% RELATIVE COMPACTION PER ASTM SPECIFICATION D1557 AT THE UPPER 1 FT OF FINISHED SUBGRADE. ALL ROADWAY AND PARKING LOT GRADES ON ENGINEERED FILL SHALL BE COMPACTED TO A MINIMUM OF 95% RELATIVE COMPACTION PER ASTM SPECIFICATION D1557 AT THE UPPER 3 FT OF FINISHED SUBGRADE. COMPACTION TESTING SHALL BE EVERY 200 LINEAR FT. OF ROADWAY OR DRIVE AISLE (TYP).

3. CLASS II BASE IS TO BE UTILIZED FOR ALL PAVEMENT SECTIONS. NO CRUSHED MISCELLANEOUS BASE IS ALLOWED.

4. ASPHALT CONCRETE PAVING, EXCEPT FOR OVERLAYS, SHALL BE INSTALLED IN TWO (2) OR MORE COURSES WITH MIX DESIGNS THAT CONFORM TO LATEST EDITION OF SECTION 400 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (SSPWC) "GREENBOOK" NOTED AS FOLLOWS:

   WEARING COURSE (UPPER COURSE): PG-70-10 1/2" MIN.
   BASE COURSE (LOWER COURSE): PG-70-10 3/4" MIN.

   WEARING COURSE SHALL BE 0.1 FEET THICK OR 1.2 INCHES THICK (MINIMUM) INCLUDING GRIND AND OVERLAY INSTALLATIONS; THE BASE COURSE(S) SHALL CONTAIN THE BALANCE OF THE REQUIRED ASPHALT CONCRETE THICKNESS. A SINGLE 3-INCH LIFT OF WEARING COURSE IS ALLOWABLE IN PARKING SPACE LOCATIONS CONDITIONAL ON A PRE-APPROVED CITY EQUIVALENT WEARING/BASE SECTION. RUBBERIZED ASPHALT IS NOT ALLOWED WITHOUT PRIOR CITY ENGINEER APPROVAL.

JULY 2018	Cathedral City City of Cathedral City Engineering Department 68700 Avenida Lalo Guerrero Cathedral City, Ca. 92234 Ph. (760) 770-0349	MIN. STRUCTURAL SECTION FOR ASPHALT CONCRETE PAVEMENT (R-VALUE ≥50) ENGINEERING DEPARTMENT	1 OF 1
SIGNATURE ON FILE			
CITY ENGINEER		CITY OF CATHEDRAL CITY	SECTION 100X