



LEGEND

- ① 2.0" SUPERPAVE ASPHALTIC CONCRETE WEARING COURSE, LEVEL 2F
- ② 4.0" SUPERPAVE ASPHALTIC CONCRETE BINDER COURSE, LEVEL 2
- ③ 4.0" SUPERPAVE ASPHALTIC CONCRETE BASE COURSE, LEVEL 1
- ④ 5.0" SUPERPAVE ASPHALTIC CONCRETE BASE COURSE, LEVEL 1
- ⑤ 12.0" SUBGRADE LAYER (CEMENT TREATED)
- ⑥ CONCRETE CURB AND GUTTER (MOUNTABLE) ⊕
- ⑦ CONCRETE CURB AND GUTTER (BARRIER) ⊕
- ⑧ PAVEMENT STRIPING
- ⑨ PAVEMENT STRIPING & REFLECTORIZED MARKERS
- ⑩ RAISED MEDIAN
- ⑪ 4.0" CONCRETE SIDEWALK
- ⑫ 10.0" JOINTED PLAIN CONCRETE PAVEMENT
- ⑬ 4.0" CONCRETE SHARED USE PATH
- ⑭ MOUNTABLE CURB
- ⑮ BARRIER CURB
- ⑯ EMBANKMENT
- Δ TO BE CONSTRUCTED FREE OF STRUCTURES AND OBSTRUCTIONS
- ⊕ SEE SHEET 2n FOR CURB DETAILS
- * DESIGN EXCEPTION

PAVEMENT STRUCTURAL DESIGN

CURRENT ADT	= 24,200	
MEDIUM ADT	= 31,350	
DESIGN ADT	= 38,500	
PERFORMANCE PERIOD (YEARS)	= 20	
18 KIP ESALS	= 6,649,743	
	FLEXIBLE	RIGID
SOIL RESILIENT MODULUS (PSI)	= 8,413	
STRUCTURAL NUMBER (INCHES)	= 4.90	
STRUCTURAL NUMBER PROVIDED (INCHES PER LAYER)		
1 - WEARING COURSE, LEVEL 1	= 0.88	
2 - BINDER COURSE, LEVEL 1	= 1.76	
3 - BASE COURSE, LEVEL 1	= 1.19	
4 - BASE COURSE, LEVEL 1	= 1.49	
STRUCTURAL NUMBER PROVIDED (TOTAL INCHES)	= 5.31	
PCC MODULUS OF RUPTURE (PSI)	= 600	
K VALUES (PSI/IN.)	= 400	
CALCULATED THICKNESS (INCHES)	= 9.51	
THICKNESS PROVIDED (INCHES)	= 10	

Figure 8-12: Typical Section Urban 4-Lane Divided Raised Median

SHEET NUMBER	2d
ASCENSION	260-01
PARISH	STATE PROJECT
CONTROL SECTION	H.002370
DESIGNED CHECKED	5 OF 15
DETAILED CHECKED	NUMBER
SERIES	BY
NO.	DATE
REVISION OR CHANGE ORDER DESCRIPTION	
TYPICAL SECTIONS AND DETAILS	
LA 42 (US 61 - LA 44)	
ROAD DESIGN	