



CHART #1
LENGTHS OF APPROACH STRIPING (FT.)

SPEED	DISTANCE (X)
30	500
35	550
40	600
45	700
50	800

CHART #3
SINGLE TURN LANE STORAGE (MINIMUM - FT.)

MPH	TURNING VEHICLES PER HOUR									
	30-60	61-90	91-120	121-150	151-180	181-210	211-240	241-270	271-300	>301
55	365	390	415	440	465	490	515	540	565	590
50	300	325	350	375	400	425	450	475	500	525
45	280	280	295	320	345	370	395	420	445	470
40	280	280	280	280	285	310	335	360	385	410
35	280	280	280	280	280	290	315	340	365	390

NOTES:

1. STORAGES SHOWN ARE MINIMUMS IN FEET, EXCLUDING 50' SHADOW.
2. APPLIES TO RIGHT OR LEFT TURN LANES, SIGNALIZED OR UNSIGNALIZED.
3. ENTRY SPEED ASSUMED TO BE 5 MPH LESS THAN SPEED LIMIT. STORAGE LENGTHS CALCULATED UTILIZING FDOT INDEX 301.
4. ASSUMES UNIFORM ARRIVALS WITH TOTAL QUEUE DISPERSAL EVERY 2 MINUTES.
5. 6' · 10' WHITE SKIP LINE LENGTH : 180'
6. USE OF SINGLE LEFT TURN LANE FOR VOLUMES IN EXCESS OF 250 REQUIRES APPROVAL FROM THE DIRECTOR OF TRAFFIC ENGINEERING.

STRIPING KEY

A = 6" SOLID WHITE
 B = 8" SOLID WHITE
 C = 12" SOLID WHITE
 D = 18" SOLID WHITE
 E = 24" SOLID WHITE
 F = 6" SKIP WHITE TYP (10'-30')
 G = 6" SKIP WHITE TYP (6'-10')
 H = 6" SKIP WHITE TYP (2'-4')
 I = 6" SOLID YELLOW
 J = 18" SOLID YELLOW
 K = 6" DOUBLE YELLOW
 L = 6" SKIP YELLOW TYP (10'-30')
 M = 6" SKIP YELLOW TYP (6'-10')
 N = 6" SKIP YELLOW TYP (2'-4')
 P = RPM BI-DIRECTIONAL AMBER/AMBER
 R = FDP WHITE
 S = FDP YELLOW
 T = RPM BI-DIRECTIONAL WHITE/RED
 U = RPM BI-DIRECTIONAL RED/YELLOW



CHART #2
DISTANCE BETWEEN CROSS HATCHED LINES

POSTED SPEED LIMIT (M.P.H.)	Z (FT.)
≤ 40	20
45	30
≥ 50	40

CHART #4
DUAL TURN LANE STORAGE (MIN. - FT)

MPH	TURNING VEHICLES PER HOUR						
	< 240	241-300	301-360	361-420	421-480	481-540	>541
55	490	515	540	565	590	615	665
50	450	450	475	500	525	550	600
45	450	450	450	450	470	495	545
40	450	450	450	450	450	450	465
35	450	450	450	450	450	450	485

NOTES:

1. STORAGES SHOWN ARE MINIMUMS IN FEET, EXCLUDING 100' SHADOW.
2. APPLIES TO RIGHT OR LEFT TURN LANES.
3. ENTRY SPEED ASSUMED TO BE 5 MPH LESS THAN SPEED LIMIT. STORAGE LENGTHS CALCULATED UTILIZING FDOT INDEX 301.
4. ASSUMES UNIFORM ARRIVALS WITH TOTAL QUEUE DISPERSAL EVERY 2 MINUTES, AT 95% LEVEL OF CONFIDENCE.
5. ASSUMES 50% · 50% LANE DISTRIBUTION.
6. 6' · 10' WHITE SKIP LINE LENGTH : 250'

NO.	DATE	REVISIONS	BY	APP.

PALM BEACH COUNTY, FLORIDA
TRAFFIC DIVISION
 TYPICAL

TURN LANE GEOMETRICS

BOGDAN T. PIORKOWSKI REGISTERED ENGINEER		DAN I. WEISBERG TRAFFIC DIRECTOR	
NAME	DATE	SCALE	CONTRACT NO.
CGT	1-27-2004	N.T.S	
DRAWN BY		DRAWING	T-P-06-001
TRACED BY			
CHECKED BY			

SHEET 2 OF 19 SHEETS