

TYPE		Heavy Haul Industrial Corridors	Port Area Arterials	Non-classified Port- Area Roadways	Primary Transit Streets	Principal Arterials	Minor Arterials	Collector Arterials	Nonclassified Arterials and Commercial Alleys	Residential	Residential Alleys	Shared use Paths and Trails
AASHTO Flexible Pavement Design Standards	Tacoma Municipal Code Ref.	11.55.020.C	11.05.490, 13.10	13.10	11.05.492	11.05.490	11.05.490	11.05.490	11.05.490			
	Initial ADT	30,000	20,000	10,000	30,000	30,000	20,000	15,000	10,000	2,000	500	100
	% ADT, Truck	30	30	30	8	8	8	5	5	5	5	1
	% ADT, Bus	0	0	0	5	1	1	1	1	0	0	0
	GROWTH RATE (compound)	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	Assumed CBR	1	1	1	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
	Assumed Mr	2,555	2,555	2,555	6,690	6,690	6,690	6,690	6,690	6,690	6,690	6,690
	Lanes in Design Direction	2	1	1	2	2	1	1	1	1	1	1
	Percent Trucks, Design Direction	50	50	50	50	50	50	50	50	100	100	100
	Percent Trucks, Design Lane	80	100	100	80	80	100	100	100	100	100	100
	DESIGN EAL	26,367,106	21,972,588	10,986,294	8,430,756	5,878,017	4,898,348	2,445,675	1,364,540	994,831	49,365	4,087
	Reliability, R%	95%	95%	90%	95%	95%	90%	90%	85%	85%	80%	80%
	Deviation, S _o	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45	0.45
	Initial Serviceability, P _i	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20	4.20
	Terminal Serviceability, P _t	2.5	2.5	2.4	3	3	2.7	2.5	2.4	2.3	2.2	2.2
	Δ PSI	1.70	1.70	1.80	1.20	1.20	1.50	1.70	1.80	1.90	2.00	2.00
Design SN	8.19	8.12	6.89	5.89	5.6	4.81	4.18	3.58	3.41	2.03	1.3	

Refer to PD-01 Sheet 2 for pavement design sections and notes.

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[Signature]
CITY ENGINEER

DATE

CITY OF TACOMA
PAVEMENT DESIGN
STANDARDS

STANDARD PLAN NO.

SHEET 1 OF 2
PD-01