

Texas Department of Transportation
TECHNICAL PROVISIONS
FOR
TXDOT SH 288 TOLL LANES PROJECT IN HARRIS COUNTY

ATTACHMENT 19-2
RESIDUAL LIFE REQUIREMENTS

February 28, 2014

**Table 19-2 Residual Life Requirements
for Newly Constructed and Toll Lane Elements**

Element Category	Required Final Residual Life (yrs)	Element Category	Required Final Residual Life (yrs)	Element Category	Required Final Residual Life (yrs)
Structures		Road Pavement		Ancillary	
Reinforced concrete	50	Main lanes	10	Earthwork slopes	50
Pre-stressed concrete	50	Ramps/direct connectors	10	Metal beam guard rail	10
Structural steelwork	50	Frontage/access roads	10	Concrete barrier	20
Weathering steel	50	Toll plaza approaches	10	Impact attenuators	0
Corrugated steel	20	Local/collector roads	10	Lighting columns	10
Corrosion protection for structural steelwork	10	High mast lighting	10	Overhead signs	10
Deck surfacing	10			Traffic signal housing and mountings	10
Deck joints	10	Buiding and Maintenance Facilities	25	Fences	10
Bearings	30			Manhole covers, gratings, frames, and boxes	50
Railing	50	Toll Collection and TM Facilities		curbs and gutters	10
Sign/signal gantries	30			Lanterns (lamps/luminaires)	
Retaining walls	25	Drainage		Roadside traffic signs	
Noise Walls	25	Underground storm sewer systems	50	Pavement markings	
Traffic signal poles	10	Culverts	50	Delineators	
High mast lighting	10	Ditches	10		
		Inlets	50		