

**Texas Department of Transportation**

**BOOK 2 – TECHNICAL PROVISIONS**

**FOR**

**US 181 HARBOR BRIDGE PROJECT**

**DESIGN-BUILD PROJECT**

**ATTACHMENT 19-8**

**BASELINE INSPECTION REQUIREMENTS**

**ATTACHMENT 19-8: BASELINE ELEMENT CONDITION SURVEY REQUIREMENTS**

Provide photographic records and physical measurements referenced by location to establish an agreed reference condition for each Performance Section as follows:				
ELEMENT CATEGORY	ELEMENT	MEASURE-MENT REF	BASELINE INSPECTION REQUIREMENT	
<b>1) ROADWAY</b>				
1.2	Pavement	a) Ruts – Mainlanes, shoulders & ramps	1.2.1	Wheel path length with given rut depth
			1.2.2	Depth of rut at any location
		b) Ride quality	1.2.3	Individual discontinuity (e.g. bumps and depressions)
		d) Failures	1.2.4	Failure conditions per TxDOT PMIS Rater's Manual, including potholes, base failures, punchouts and jointed concrete pavement failures
		e) Edge drop-offs	1.2.5	Edge drop-offs
1.3	Crossovers and other paved areas	a) Potholes	1.3.1	Size and number of potholes
		b) Base failures	1.3.2	Size and frequency of base failures
1.4	Joints in concrete		1.4.1	Length and width of unsealed joints
<b>2) DRAINAGE</b>				
2.1	Pipes and Channels		2.1.1	Length of pipe or channel subject to accumulation of debris, silt or other blockage
2.2	Drainage treatment devices		2.2.1	General condition
2.3	Travel Way		2.3.1	General condition
2.4	Discharge systems		2.4.1	General condition and permit compliance
<b>3) STRUCTURES</b>				
3.1	Structures		3.1.1	Condition and defects as noted in each structure
			3.1.2	Condition States applicable to each Structure
3.2	Structure components		3.2.1	Condition and defects as noted in each structure
			3.2.2	Condition States applicable to each Structure
3.3	Non-bridge class culverts		3.3.1	Condition and defects as noted in each structure
3.4	Gantries and high masts		3.4.1	Condition and defects as noted in each structure
3.7	Mechanically Stabilized Earth and Retaining Walls		3.7.1	Condition and defects as noted in each structure

**ATTACHMENT 19-8: BASELINE ELEMENT CONDITION SURVEY REQUIREMENTS**

ELEMENT CATEGORY	ELEMENT	MEASURE- MENT REF	BASELINE INSPECTION REQUIREMENT	
<b>4) PAVEMENT MARKINGS, OBJECT MARKERS, BARRIER MARKERS AND DELINEATORS</b>				
4.1	Pavement markings	a) Markings - General		
			4.1.1	Marking visibility under low-beam headlight
			4.1.2	Length of pavement marking where there is loss of material
	b) Profile Markings	4.1.3	General condition	
4.2	Raised reflective markers		4.2.1	Number ineffective, missing, damaged, settled or sunk
4.3	Delineators & Markers		4.3.1	General condition
<b>5) GUARDRAILS, SAFETY BARRIERS AND IMPACT ATTENUATORS</b>				
5.1	Guardrails and safety barriers		5.1.1	General condition
			5.1.3	Height and offset compliance
5.2	Impact attenuators		5.2.1	General condition
<b>6) TRAFFIC SIGNS</b>				
6.1	Gantry-mounted overhead signs		6.1.1	General condition
<b>7) TRAFFIC SIGNALS (NOT PART OF MAINTAINED ELEMENTS)</b>				
<b>8) LIGHTING</b>				
8.1	Roadway Lighting		8.1.1	General condition
<b>9) FENCES, WALLS AND SOUND ABATEMENT</b>				
9.1	Construction		9.1.1	General condition
<b>10) ROADSIDE MANAGEMENT</b>				
10.1	Vegetated Areas -		10.1.1	Height of grass and weeds
10.2	Landscaped Areas		10.2.1	General condition
<b>11) REST AREAS AND PICNIC AREAS (Not Used)</b>				
<b>12) EARTHWORKS, EMBANKMENTS AND CUTTINGS</b>				
12.1	Slope Failure		12.1.1	General condition including any failures
<b>13) ITS EQUIPMENT</b>				
13.1	ITS Equipment-Maintenance		13.1.1	General condition
13.2	Dynamic Message Sign Equipment		13.2.1	General condition
13.3	CCTV Equipment		13.3.1	General condition
13.4	Vehicle Detection Equipment		13.4.1	General condition