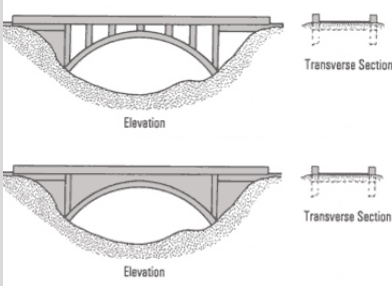


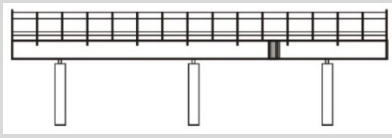
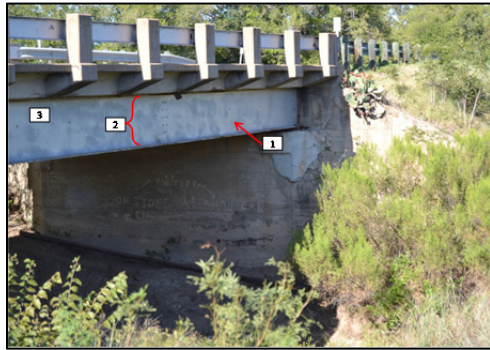

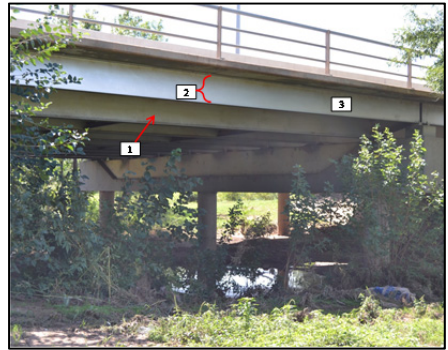
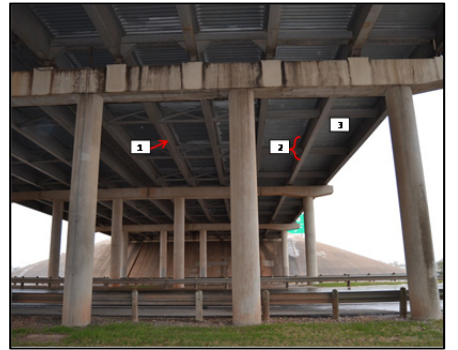


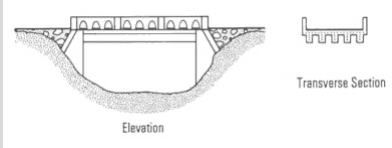
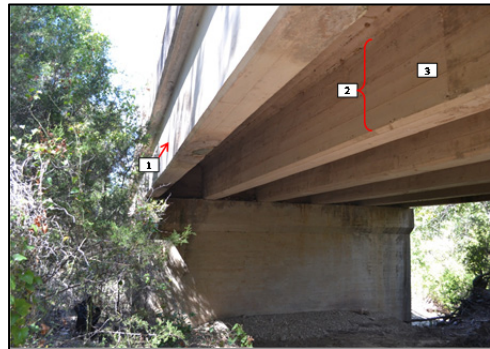


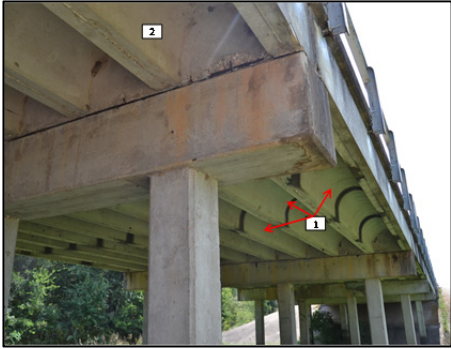

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Table 35. Typology of Bridges by Time Periods. Source: Historic Bridge Foundation, "A Context for Common Historic Bridge Types." Photos by HHM.

	County Roads and the Good Roads Movement: 1880–1916	Initiation of the Highway System: 1917–1932	Depression, Mobilization, and War: 1933–1944	Postwar Road Expansion: 1945–1956	Effects of the Interstate Highway System: 1957–1980
<p>Arch Bridges-Open Spandrel and Closed Spandrel</p> 	 <p><i>Houston Street, Dallas, Dallas County, constructed in 1911.</i></p> <p>Character-defining Features:</p> <ol style="list-style-type: none"> 1. Superstructure consists of a closed-spandrel arch. 2. Constructed of reinforced concrete. 3. Located within an urban area. 	 <p><i>W. Davis Street, Dallas, Dallas County, constructed in 1929.</i></p> <p>Character-defining Features:</p> <ol style="list-style-type: none"> 1. Superstructure consists of a closed-spandrel arch. 2. Constructed of reinforced concrete. 3. Located within an urban area. 			
<p>Beam Bridges</p> 		 <p><i>IH 20 Frontage Road, Ranger, Eastland County, Texas, constructed in 1923.</i></p> <p>Character-defining Features:</p> <ol style="list-style-type: none"> 1. Superstructure consists of I-shaped beams. 2. Shallow web due to standard one-piece fabrication in a factory. 3. Typically steel construction. 	 <p><i>IH 20 Frontage Road W, Vicinity of Santo, Palo Pinto County, Texas, constructed in 1935.</i></p> <p>Character-defining Features:</p> <ol style="list-style-type: none"> 1. Superstructure consists of I-shaped beams. 2. Shallow web due to standard one-piece fabrication in a factory. 3. Typically steel construction. 	 <p><i>East Highway 80, Abilene, Taylor County, constructed in 1951.</i></p> <p>Character-defining Features:</p> <ol style="list-style-type: none"> 1. Superstructure consists of I-shaped beams. 2. Shallow web due to standard one-piece fabrication in a factory. 3. Typically steel construction. 	 <p><i>S. 1st Street, Abilene, Taylor County, constructed in 1957.</i></p> <p>Character-defining Features:</p> <ol style="list-style-type: none"> 1. Superstructure consists of I-shaped beams. 2. Shallow web due to standard one-piece fabrication in a factory. 3. Typically steel construction.

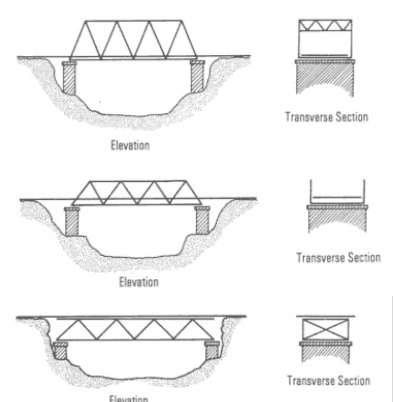

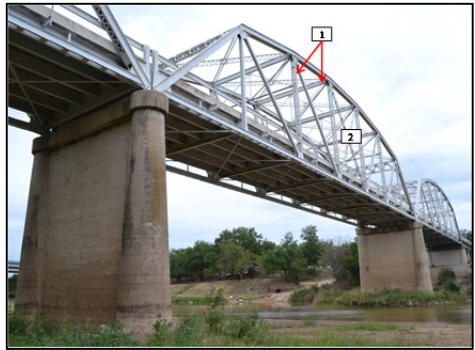
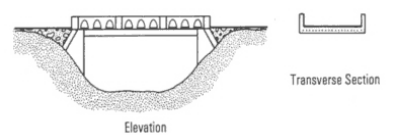




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<p>T-Beam Girder Bridges</p> 		 <p><i>Loop 3070, Vicinity of Caddo, Stephens County, constructed in 1920.</i></p> <p>Character-defining Features:</p> <ol style="list-style-type: none"> 1. Superstructure consists of three separate pieces to make an "I" shape by connecting the two flange pieces to the web. 2. Deep web since flange and web pieces constructed separately. 3. Typically concrete construction. 	 <p><i>IH 20 Frontage Road W., Vicinity of Gordon, Palo Pinto County, Texas.</i></p> <p>Character-defining Features:</p> <ol style="list-style-type: none"> 1. Superstructure consists of three separate pieces to make an "I" shape by connecting the two flange pieces to the web. 2. Deep web since flange and web pieces constructed separately. 3. Typically concrete construction. 		 <p><i>IH 20 Frontage Road E., Vicinity of Thurber, Erath County, constructed in 1970.</i></p> <p>Character-defining Features:</p> <ol style="list-style-type: none"> 1. Superstructure consists of three separate pieces to make an "I" shape by connecting the two flange pieces to the web. 2. Deep web since flange and web pieces constructed separately. 3. Typically concrete construction.
<p>Pan Form Girder Bridges</p>				 <p><i>US 67, Vicinity of Naples, Morris County, constructed in 1956.</i></p> <p>Character-defining Features:</p> <ol style="list-style-type: none"> 1. Superstructure consists of a series of parallel, small, repeating inverted "U" shapes that look like arches run longitudinally under the deck. 2. Typically concrete construction. 	 <p><i>US 180, Mineral Wells, Palo Pinto County, constructed in 1961.</i></p> <p>Character-defining Features:</p> <ol style="list-style-type: none"> 1. Superstructure consists of a series of parallel, small, repeating inverted "U" shapes that look like arches run longitudinally under the deck. 2. Typically concrete construction.

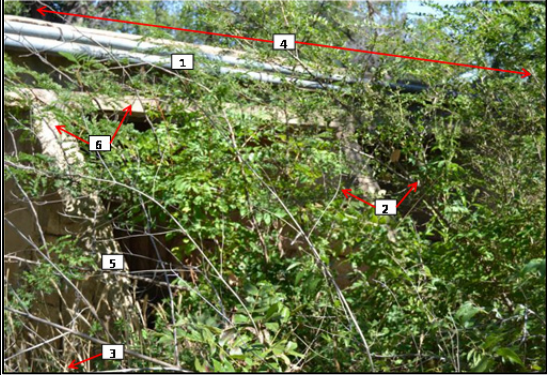

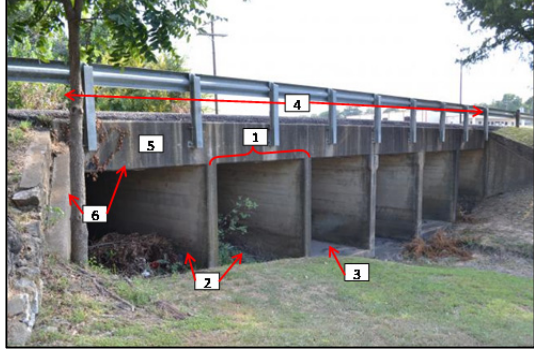
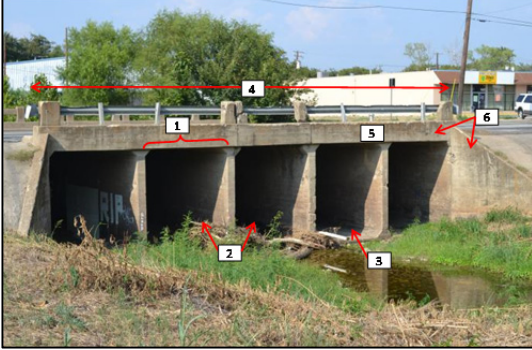
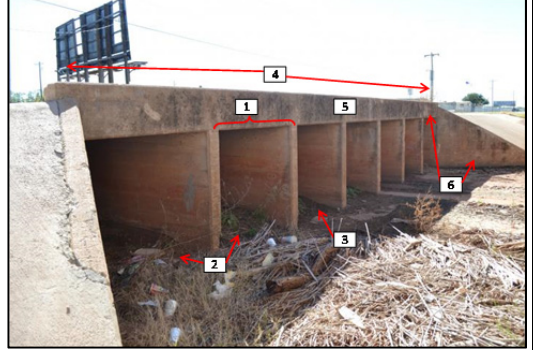
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<p>Truss-Through, Pony, and Deck Truss</p> 	 <p><i>Washington-Elm Street Pennsylvania-Through-Truss Bridge, Waco, McLennan County, erected 1902.</i></p> <p>Character-defining Features:</p> <ol style="list-style-type: none"> 1. Top cord of bridge with polygonal arc. 2. Crossing major waterway, in the case, the Brazos River. 3. Original wood floor decking replaced with asphalt or concrete. 4. Diagonal bracing provides additional structural support. 5. Vertical posts. 		 <p><i>IH 20 Frontage Road W., Vicinity of Millsap, Parker County, constructed in 1934.</i></p> <p>Character-defining Features:</p> <ol style="list-style-type: none"> 1. Superstructure consists of members associated in triangular shapes. 2. Typically constructed of metal. 		
<p>Slab Bridges</p> 		 <p><i>CR 4112, Vicinity of Campbell, Hunt County, constructed in 1925.</i></p> <p>Character-defining Features:</p> <p>Superstructure consists of a solid piece of concrete laid across a depression.</p>	 <p><i>FM 899, Mount Pleasant, Titus County, constructed in 1935.</i></p> <p>Character-defining Features:</p> <ol style="list-style-type: none"> 1. Superstructure consists of a solid piece of concrete laid across a depression. 	 <p><i>W. Division Street, Arlington, Tarrant County, constructed in 1947.</i></p> <p>Character-defining Features:</p> <ol style="list-style-type: none"> 1. Superstructure consists of a solid piece of concrete laid across a depression. 	 <p><i>W. Davis Street, Grand Prairie, Dallas County, constructed in 1967.</i></p> <p>Character-defining Features:</p> <ol style="list-style-type: none"> 1. Superstructure consists of a solid piece of concrete laid across a depression.

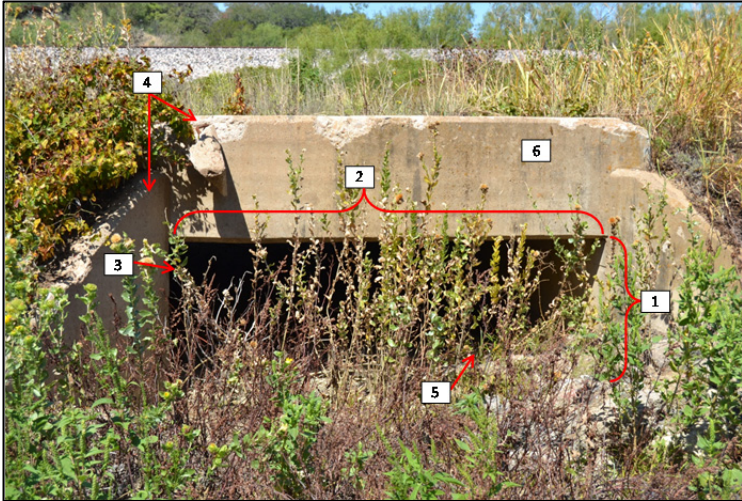
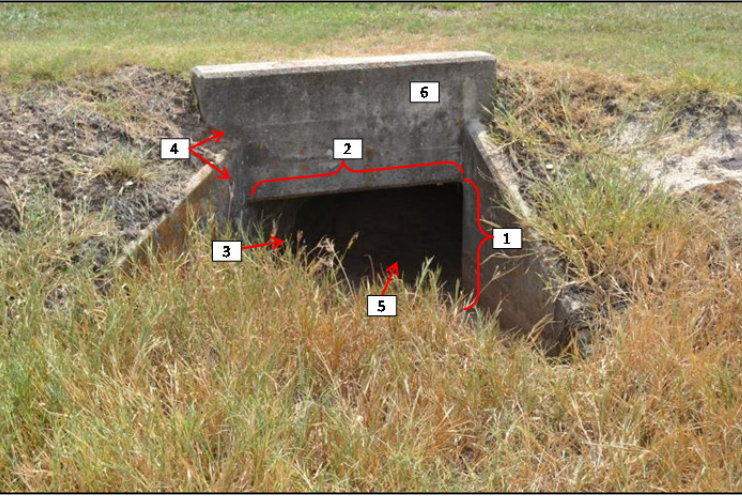
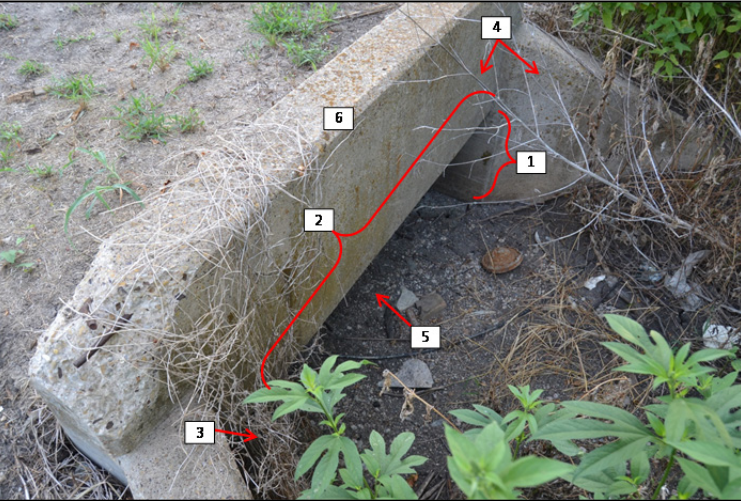
The Development of Highways in Texas:
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	County Roads and the Good Roads Movement: 1880–1916	Initiation of the Highway System: 1917–1932	Depression, Mobilization, and War: 1933–1944	Postwar Road Expansion: 1945–1956	Effects of the Interstate Highway System: 1957–1980
Bridge-Class Culverts	 <p><i>Hunt Street, Ranger, Eastland County, constructed in 1925.</i></p> <p>Character-defining Features:</p> <ol style="list-style-type: none"> 1. Small, tubular or four-sided, boxy-shaped structures. 2. Typically consists of multiple spans. 3. Often features a floor that lines the channel. 4. Measures more than 20 feet long. 5. Construction materials include concrete, corrugated metal, and masonry. 6. Typical features include head walls and wing walls. 	 <p><i>E. Main Street, Ranger, Eastland County, constructed in 1930.</i></p> <p>Character-defining Features:</p> <ol style="list-style-type: none"> 1. Small, tubular or four-sided, boxy-shaped structures. 2. Typically consists of multiple spans. 3. Often features a floor that lines the channel. 4. Measures more than 20 feet long. 5. Construction materials include concrete, corrugated metal, and masonry. 6. Typical features include head walls and wing walls. 	 <p><i>SH 312, Vicinity of Weatherford, Parker County, constructed in 1933.</i></p> <p>Character-defining Features:</p> <ol style="list-style-type: none"> 1. Small, tubular or four-sided, boxy-shaped structures. 2. Typically consists of multiple spans. 3. Often features a floor that lines the channel. 4. Measures more than 20 feet long. 5. Construction materials include concrete, corrugated metal, and masonry. 6. Typical features include headwalls and wing walls. 	 <p><i>E. Abram Street, Arlington, Tarrant County, constructed in 1952.</i></p> <p>Character-defining Features:</p> <ol style="list-style-type: none"> 1. Small, tubular or four-sided, boxy-shaped structures. 2. Typically consists of multiple spans. 3. Often features a floor that lines the channel. 4. Measures more than 20 feet long. 5. Construction materials include concrete, corrugated metal, and masonry. 6. Typical features include headwalls and wing walls. 	 <p><i>W. Davis Street, Grand Prairie, Dallas County, constructed in 1967.</i></p> <p>Character-defining Features:</p> <ol style="list-style-type: none"> 1. Small, tubular or four-sided, boxy-shaped structures. 2. Typically consists of multiple spans. 3. Often features a floor that lines the channel. 4. Measures more than 20 feet long. 5. Construction materials include concrete, corrugated metal, and masonry. 6. Typical features include headwalls and wing walls.

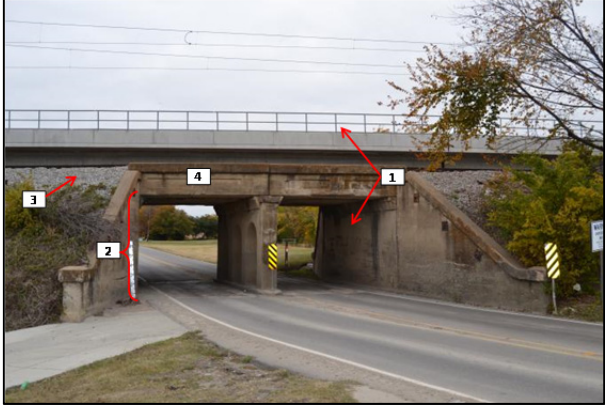



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Table 36. Culvert Subtypes by Time Period.

	County Roads and the Good Roads Movement: 1880–1916	Initiation of the Highway System: 1917–1932	Depression, Mobilization, and War: 1933–1944	Postwar Road Expansion: 1945–1956	Effects of the Interstate Highway System: 1957–1980
Culverts		 <p><i>Culvert on Old Highway 80, Ranger, Eastland County, constructed ca. 1920. Photo by HHM.</i></p> <p>Character-defining Features:</p> <ol style="list-style-type: none"> 1. Box-shaped structure. 2. Measures less than 20 feet long. 3. Typically consists of a single span. 4. Consists of a head wall and wing walls. 5. Often features a floor that lines the channel. 6. Concrete construction. 	 <p><i>Culvert on US 67, Vicinity of Winfield, Titus County, constructed ca. 1935. Photo by HHM.</i></p> <p>Character-defining Features:</p> <ol style="list-style-type: none"> 1. Box-shaped structure. 2. Measures less than 20 feet long. 3. Typically consists of a single span. 4. Consists of a head wall and wing walls. 5. Often features a floor that lines the channel. 6. Concrete construction. 	 <p><i>Culvert on Oneal Street, Vicinity of Greenville, Hunt County, constructed ca. 1946. Photo by HHM.</i></p> <p>Character-defining Features:</p> <ol style="list-style-type: none"> 1. Box-shaped structure. 2. Measures less than 20 feet long. 3. Typically consists of a single span. 4. Consists of a head wall and wing walls. 5. Often features a floor that lines the channel. 6. Concrete construction. 	

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Table 37. Grade-separation Structures by Time Period.

	County Roads and the Good Roads Movement: 1880–1916	Initiation of the Highway System: 1917–1932	Depression, Mobilization, and War: 1933–1944	Postwar Road Expansion: 1945–1956	Effects of the Interstate Highway System: 1957–1980
Grade-separation Structures		 <p><i>Grade-separation structure on Main Street, Rowlett, Dallas County, constructed in 1922. Photo by HHM.</i></p> <p>Character-defining Features:</p> <ol style="list-style-type: none"> 1. Carries traffic under a railroad. 2. High vertical clearance. 3. Bridge approaches built-up with fill material. 4. Concrete construction. 	 <p><i>Grade-separation structure on W. 7th Street, Texarkana, Bowie County, constructed in 1934. Photo by HHM.</i></p> <p>Character-defining Features:</p> <ol style="list-style-type: none"> 1. Carries traffic under a railroad. 2. High vertical clearance. 3. Bridge approaches built-up with fill material. 4. Concrete and metal construction. 	 <p><i>Grade-separation structure on W. Front Street, Midland, Midland County, constructed in 1954. Photo by HHM.</i></p> <p>Character-defining Features:</p> <ol style="list-style-type: none"> 1. Carries traffic over a crossing road. 2. At least 14-feet in vertical clearance over the crossing road. 3. Bridge approaches constructed of concrete. 4. Aesthetically pleasing structure of concrete and metal. 	 <p><i>Grade-separation structure on Paisano Drive, El Paso, El Paso County, constructed in 1961. Photo by HHM.</i></p> <p>Character-defining Features:</p> <ol style="list-style-type: none"> 1. Carries traffic over a railroad. 2. High vertical clearance. 3. Bridge approaches built-up with fill material. 4. Reinforced concrete girder construction.