



Texas Department of Transportation Pre-Qualifications

1.0 TRANSPORTATION SYSTEMS PLANNING		# OF STAFF CERTIFIED
1.1.1	Policy Planning	1
1.2.1	Systems Planning	1
1.3.1	Sub-area/Corridor Planning	3
1.4.1	Land Planning/Engineering	4
1.5.1	Feasibility Studies	4
1.8.1	Public Involvement	3
1.9.1	Geographic Information System (GIS) and Data Analysis	3
2.0 ENVIRONMENTAL STUDIES		
2.1.1	Traffic Noise Analysis	3
2.2.1	Air Quality Analysis	1
2.3.1	Wetland Delineation	1
2.4.1	Nationwide Permit	1
2.4.2	Clean Water Act Sec. 404 Permits	1
2.6.4	Biological Evaluations/Assessments	1
2.7.1	Section 4(f)/6(f) Evaluations	1
2.12.1	Socio-economic and Environmental Justice Analyses	2
2.13.1	Hazardous Materials Initial Site Assessment	1
2.14.1	Environmental Documentation Preparation	2
3.0 SCHEMATIC DEVELOPMENT		
3.2.1	Route Studies & Schematic Design - Major Roadways	10
3.7.1	Traffic Operational Analysis	2



Texas Department of Transportation Pre-Qualifications Continued

4.0 ROADWAY DESIGN		# OF STAFF CERTIFIED
4.2.1	Roadway Design	16
4.4.1	Freeway Interchanges and Direct Connectors	4
4.5.1	Constructability Review	6
4.6.1	3-D Visualization and Animation Services	2
4.7.1	Traffic Safety Analysis	2
5.0 BRIDGE DESIGN		
5.2.1	Bridge Design	8
5.3.1	Multi-Level Interchange Design	1
5.5.1	Bridge Class Culvert, Non-Bridge Culvert, and Inlet Design	2
6.0 ASSESSMENT AND PRESERVATION OF BRIDGES		
6.6.1	Assessment and Preservation of Common Bridge Types	2
7.0 TRAFFIC ENGINEERING AND OPERATION STUDIES		
7.1.1	Traffic Engineering Studies	6
7.3.1	Traffic Signal Timing	2
7.4.1	Traffic Control Systems Analysis, Design & Implementation	1
7.5.1	Intelligent Transportation Systems	1
8.0 TRAFFIC OPERATION DESIGN		
8.1.1	Signing, Pavement Marking and Channelization	12
8.2.1	Illumination	2
8.3.1	Signalization	3
8.4.1	ITS Control Systems Analysis, Design, and Implementation	1
8.6.1	Rail-Highway Design	3



Texas Department of Transportation Pre-Qualifications Continued

9.0 BICYCLE AND PEDESTRIAN FACILITIES		# OF STAFF CERTIFIED
9.1.1	Bicycle & Pedestrian Facility Development	3
9.2.1	Active Transportation Planning	1
9.3.1	Pedestrian Facility Design	6
9.3.2	Accessibility Design	4
9.4.1	Bikeway Design	1
10.0 HYDROLOGIC DESIGN AND ANALYSIS		
10.1.1	Hydrologic Studies	5
10.2.1	Roadway Hydraulic Design	9
10.3.1	Bridge Hydraulic Design	3
10.4.1	Storm Water Pump Station – Hydraulic Design	3
10.4.2	Pump Stations – Electrical	1
10.4.3	Pump Stations – Structures	1
10.5.1	Bridge Scour Evaluations and Analysis	2
10.8.1	FEMA Regulations & Permits	1
11.0 ROADWAY CONSTRUCTION		
11.1.1	Roadway Construction Management and Inspection	15
11.2.1	Bridge Construction Management and Inspection	11
11.3.1	Construction Superintendent	5
11.4.1	Environmental Inspections	4
11.6.1	Construction Schedule Support - General	1
11.9.1	Railroad Coordination Management During Construction	1
11.10.1	Construction Record Keeper	7



Texas Department of Transportation Pre-Qualifications Continued

12.0 MATERIALS INSPECTION AND TESTING		# OF STAFF CERTIFIED
12.1.3	Materials Engineering	1
14.0 TRANSPORTATION STUDIES		
14.3.1	Transportation Foundation Studies	1
14.4.1	Building Foundation Studies	1
15.0 RIGHT OF WAY		
15.1.1	Right of Way Surveys	1
15.2.1	Design Survey	1
15.2.2	Construction Survey	1
15.3.5	Horizontal and Vertical Control	1
17.0 FACILITIES ENGINEERING		
17.1.1	Structural Engineering	1
17.5.1	Civil Engineering	1
18.0 UTILITY ENGINEERING		
18.2.1	Subsurface Utility Engineering	7
18.3.1	Utility Adjustment Coordination	5
18.4.1	Utility Engineering	4
18.5.1	Utility Construction Management and Verification	5
18.6.1	Utility Management and Coordination Oversight	2
22.0 INSPECTION		
22.2.1	Chief Inspector	2