

## **Contractor Prequalification Work Classifications**

### **□ Group No. 1 Site Work**

Clearing, grubbing, removal of tree stumps, shrubs, site preparation, grading of a site, silt fence barrier, gabions, erosion control, rock crushing/recycling, screening topsoil and other aggregates.

### **□ Group No. 2 Utility work**

Sewer and water mains, pipe jacking, storm drainage systems, sewer rehabilitation, sewage pumping stations, pressurized lines, etc.

### **□ Group No. 3 Concrete Restoration**

Cement Concrete Curb, sidewalks, steps, ramps, low retaining walls under 3-foot clear face, spillways, driveways, monument cases and covers, right-of-way markers, slabs & footings. Barriers, concrete barriers. Cement concrete repair. Concrete structures except bridges: cast-in-place median barrier, footings, prefabricated panels and walls, retaining walls, and ramps, foundations, and concrete slope protection.

### **□ Group No. 4 Specialized Concrete Repair**

Epoxy coatings, epoxy repair, masonry repair, masonry cleaning, special coatings, epoxy injection, gunite repair, and pressure grouting.

### **□ Group No. 5 Paving and Associated Construction - Limited Access Highways/Freeways**

General Paving; Bituminous and Portland cement concrete paving. Pavement Rehabilitation; chip seal and related work. Placing crushed surfacing materials and gravel, Asphalt paving, placing of hot bituminous pavement and/or replacement. Concrete Paving; placing Portland cement concrete pavement. Placing of crushed materials with asphaltic application.

Associated pavement work; rubblizing, reclamation, rigid base course, flexible base course, bituminous pavement, bituminous pavement patching & repair, bituminous joint & crack sealing, milling, rumble strips, bituminous surface treatments, seal coats, rigid pavement, rigid pavement patching & repair, diamond carbide grinding, spall repair, sawing & sealing concrete or bituminous, roadway.

### **Group 5 Limitations**

#### **□ Group No. 5A Rumble Strips**

#### **□ Group No. 5B Parking Lots and Paved Trails**

#### **□ Group No. 5C Limited to Group No. 6 Resurfacing and Preservation: Local Roads & Streets and Non-Freeways Projects**

**□ Group No. 6 Road Construction and Rehabilitation: Local Roads & Streets and non-freeways**

Rehabilitation is work proposed to improve service ability and extend the service life of existing roadways and streets and to enhance safety. Work, usually accomplished within the existing right of way. Work may include the upgrading of geometric features; such as roadway widening, minor horizontal re-alignment and to accommodate the approach roadway width. Resurfacing, restoration & rehabilitation work on non-freeways, which include mill & resurface, bridge approach work, concrete joint repair, safety upgrades, shoulder widening, shoulder paving or other work along existing alignment within the existing ROW. Examples: Grading and Drainage: roadway excavation and embankment, modification of ground surface by cuts & fills, alignments, grading, profiles, cross-sections, excavating of earth materials and the placement of drainage structures, minor widening reconstruction, structure excavation, general site development.

**□ Group No. 7 Road Construction and Rehabilitation: Limited Access Highways/Freeways**

Limited access freeways with enclosed drainage, grade separations, urban and freeway-to-freeway interchanges, service roads, retaining walls, noise walls etc. The proposed work on the approximate alignment of an existing route that meets the geometric criteria for a new facility. The work may include geometric improvements, drainage improvements, revised horizontal and vertical alignments, utility conflicts, ROW acquisition and complex staging up to and including full roadway construction/reconstruction on new alignment. Rehabilitation of existing main lanes, structures, construction of HOV lanes, new interchanges, new rest areas and noise walls, and installation, rehabilitation, etc. of signs, pavement markings, striping, etc. on freeways. Installation of specialty walls/slopes: counterfort walls, mechanically stabilized earth, stabilized slopes, soil nailing. Drilling & Blasting, Anchors, drilling, Permanent Tie-Back Anchor, installation of permanent rock and soil anchors, soldier piles and timber lagging. Soldier pile tie-back anchor wall construction. Pile-driving, driving concrete, steel, and timber piles. Cofferdam & pumping. Tunnels and construction of underground conduit without the continuous disturbance of ground surface.

**Group 7 Limitation**

**□ Group No. 7A Limited to Major Reconstruction of Non-Freeway State Routes**

Non-freeways in developed areas impacting multiple stakeholders, with multiple underground and overhead utilities, and potentially constructed over multiple seasons. It may also include major reconstruction on rural State routes. Major work may include full depth reconstruction, substantial changes in the general geometric character of the roadway, such as widening, horizontal or vertical re-alignment, slope cuts or fills, etc. Installation /relocation of utilities, pavement resurfacing and reclamation projects in rural and suburban areas with grade separations, and major intersection realignments.

The work may also include major drainage improvements, watermain and sewer main work, utility conflicts, ROW acquisition and complex staging up to and including full roadway construction/reconstruction. Rehabilitation of existing main lanes and structures, installation of signs, pavement markings, etc. Installation of retaining walls and specialty walls/slopes such as GRS-IBS walls / structures, mechanically stabilized earth, stabilized slopes, soil nailing. Drilling & blasting, anchors, permanent Tie-Back anchor, installation of permanent rock and soil anchors,

soldier piles and timber lagging. Pile-driving, driving concrete, steel, and timber piles. Cofferdam & pumping, handling of controlled groundwater and materials. Construction of underground conduit without the continuous disturbance of ground surface.

**□ Group No. 8 Minor Bridges**

Minor Bridges are bridges with spans lengths not exceeding 50 feet (center to center of cap) and total length not exceeding 200 feet. A Minor Bridge shall not contain any type of construction listed under Intermediate Bridges or Major Bridges.

Construction and Rehabilitation of Minor Highway, Railroad, and pedestrian bridges and work incidental thereto. Examples: concrete box culverts, precast concrete beam bridges, single span steel beam bridges, pedestrian bridges, timber bridges. Rebar installation, concrete placement, erection of steel / precast concrete / timber members, bridge removal / demolition, minor deck or substructure repairs, bearing devices, expansion devices, shoring & sheeting, pile driving, bridge rail.

**Group 8 Limitations**

**□ Group No. 8A Box Culverts**

**□ Group No. 8B Pipe Culverts/Culvert Linings**

**□ Group No. 8C Pedestrian and/or Timber Bridges**

**□ Group No. 9 Intermediate Bridges**

Intermediate bridges are bridges with span lengths exceeding 50 feet (center to center of cap) or those including continuous spans or on a limited access highway and contain none of the types of construction listed under Major Bridges.

Construction and Rehabilitation of Intermediate Highway, Railroad and pedestrian bridges and work incidental thereto. Examples; Bridges which include curved steel girders, precast concrete beam bridges, steel beam bridges, pedestrian bridges, timber bridges. Rebar installation, placement of concrete, erection of steel /prestressed concrete / timber members, bridge removal / demolition, deck or substructure repairs. Bearing devices, expansion devices, shoring & sheeting, pile driving, bridge rail.

**□ Group No. 10 Major Bridges**

Bridges which includes bascule, lift, or swing spans

Bridges which include drilled shafts larger than 30” in diameter

Bridges with multi-level roadways

Bridges of concrete segmental construction

Bridges which include steel truss construction

Bridges which include cable stayed construction

Bridges of conventional construction which are over a water opening of 500 feet or more

Cast-in-place post-tensioned superstructures.

Bridges which include long spans over 200 feet

Spliced concrete girders

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Steel box girders.

Construction and Rehabilitation of Major Highway, Railroad and pedestrian bridges and work incidental thereto. Examples: Rebar installation, placement of concrete, erection of steel / pre-stressed concrete / timber members, bridge removal / demolition, deck or substructure repairs, bearing devices, expansion devices, shoring & sheeting, pile driving, bridge rail.

□ **Group No. 11 Bridge Painting**

Painting, blast cleaning & coatings. SSPC certificates required.

Priming, surface preparation, application of finish coats, containment and disposal.

□ **Group No. 12 Marine Repairs, Marine Construction or Salvaging**

Riprap and Rock Walls: mortar, rubble, and masonry walls, rock retaining walls, and placing of large broken stone on earth surfaces for protection against the action of water. Drainage channels, erosion protection, drainage spillways & ancillary structures, docks, breakwaters, harbor structures & roadway systems, underwater construction, underwater utilities. Pile driving or extraction; construction, repair and demolition of piers and wharfs; dredging; bulkheads and jetties; and work incidental thereto. Dredging. Construction & repair of timber, concrete and steel bulkheads, fender systems, and dolphins.

□ **Group No. 13 Traffic Control & Illumination/Electrical**

Installation, removal & modification of traffic signals or traffic signals related equipment, including other construction incidental thereto. Installation, removal & modification of highway illumination, navigational lighting, airfield lighting, airfield guidance, obstruction lighting, and movable bridge systems and equipment, including light standards, foundations, conduits, duct banks, handholes, junction boxes, cables, power distribution and control cabinets w/foundations, wiring connections and miscellaneous electrical apparatus associated with each system.

□ **Group No. 14 Signing**

Installation, removal & modification of extruded aluminum signs, sheet aluminum signs, delineators, and sign supports. Sign supports include but are not limited to monotube bridge sign structures, 4 chord truss bridge sign structures, 4 chord truss cantilever sign structures, structure mounted sign supports, overhead truss sign support foundations, drilled shaft traffic structure foundations, structural steel for side mounted sign supports, side mounted sign foundations, and metal sign posts not requiring foundations.

**Group 14 Limitation**

□ **Group No. 14A** Installation, removal & modification of sheet aluminum signs and delineators on metal sign posts not requiring foundations.

□ **Group No. 15 Intelligent Transportation Systems (ITS)**

Traffic monitoring stations (Installation of piezo sensors, loop detectors, conduits, conductors, cable, handholes, junction boxes, service and control cabinets, foundations, power and telephone /communications), Camera monitoring systems (CCTV), Traffic Flow monitors, Highway Advisory Radios, Systems (HAR), Dynamic Message Signs (DMS), Integrated Communication

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Systems, Environmental sensing stations, Variable message signs. Design and installation of fiber optic based communication systems.

**□ Group No. 16 Pavement Markings**

Epoxy resin and thermoplastic markings, stripes, bars, letters, symbols, etc., traffic buttons, lane markers, guide posts. Pavement markings; includes delineators, traffic stripe painting and painted, epoxy resin, and/or thermoplastic pavement markings. Pavement Markings for highways, streets, airports and parking lots.

**□ Group No. 17 Incidental Construction: Fencing**

Standard highway fencing (wire, chain link, etc.) noise barrier fences; delineation.

**□ Group No. 18 Incidental Construction: Guide Rail and Impact Systems**

Construction of a rail secured to uprights and erected as a barrier between, or beside lanes of a highway. Standard guide rail, bridge rail, impact attenuator, steel median barrier. Traffic Accommodations & Control: Impact attenuators, installation of approved protective systems filled with sand, water, foam, or other substances which prevent errant vehicles from impacting roadside hazards.

**Group No. 19 Bridge Preservation and/or Preventive Maintenance;** this class is for work associated with extending the service life of existing bridge structures and may include any of the following:

**□ Group No. 19A** Bridge Joint/membrane Repairs; repair/rehabilitation/replacement of bridge joint systems and repair/replacement of bridge deck protective systems (membrane & bituminous wearing surface)

**□ Group No. 19B** Steel Repairs; repairs to steel superstructure and/or substructure elements, furnishing, fabricating, erection and shop painting of structural members.  
Repairs and/or Replacement of Bridge Bearings; repairs and/or replacement of bridge bearings including pier and abutment seat modifications.  
Bridge Painting; localized paint removal and painting of beams and cap girders.

**□ Group No. 19C** Concrete Repairs; repairs to concrete superstructure and/or substructure elements; application of protective coatings, crack repair, patching of decks and variable depth patching.

**□ Group No. 19D** Scour Countermeasures; installation of scour mitigation measures.  
Timber Repairs; repairs to timber decks and or superstructure and/or substructure elements.  
Protective Fencing and Rail Systems Repairs; repair/upgrade of bridge rail and safety elements.  
Bridge Deck Drains; Cleaning of existing drain systems including scupper and weeps;  
repair/rehabilitation/replacement of deck drain systems.

**□ Group No. 20 VACANT**

**□ Group No. 21 Railroad Construction**

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Construction of railroad sub grade, placing of ballast, ties and track, at grade crossings and other items related to railroad work.

**□ Group No. 22 Railroad Construction Electrical**

Construction of overhead Catenaries, substations, switches, and signals.

**□ Group No. 23 Landscaping/Environmental Improvements**

Roadside: Landscaping roadside, including seeding, hydro seeding, mulching, sodding, and ground cover planting, topsoil application, and other construction related thereto.

Site Landscaping: topsoil application, including planting of trees, shrubs and all ground covers on various types of sites, selective tree removal, trimming, seeding, insecticide application, weed control, liming, soil binder & soil supplements, irrigation. Wetland mitigation, creation, plantings and removal of invasive species.

**□ Group No. 24 Environmental**

Environmental/Hazardous waste removal and stockpile. Containment, cleanup, removal and disposal of debris and hazardous, controlled/toxic materials.

**Group No. 25 Vertical Construction**

**□ Group No. 25A Vertical Construction - Minor**

The undertaking of general contracts for the construction of buildings (i.e. new construction, renovation, rehabilitation, alteration, addition, etc.). The work includes a variety of construction practices, requires some coordination of subcontractors and utilities, requires basic equipment, and tends to have short, one season (spring - fall) construction durations. Includes those designs that are conventional in character, require minimum design based on pre-engineered components/systems, and that pose minimum effort by the design professional. Examples include basic building structures without interior finishes, small renovations, minor ADA compliance upgrades, salt sheds, small maintenance facilities, small train station renovations, warehouses, ceiling replacement, pre-engineered components, recreation facilities, etc.

*Note: If you are prequalified for General Building Construction under Group 25B and/or Group 25C, you are automatically prequalified for Group 25A.*

**□ Group No. 25B Vertical Construction - Intermediate**

The undertaking of general contracts for the construction of buildings (i.e. new construction, renovation, rehabilitation, alteration, addition, etc.). The contract must include a variety of construction practices, major coordination of subcontractors and utilities. May require specialized equipment and / or trades, and may have multiple year construction durations. Includes most of the structures that normally have occupied spaces. These all require normal mechanical/electrical systems for today's standards of operation for quality space, security and environmental comfort. Examples include larger Maintenance facilities, train station projects, parking garages, major renovations, multiple site work / renovation coordination, office buildings, general classroom and administrative offices, college buildings, auditoriums and maintenance buildings, bus maintenance and storage facilities.

*Note: If you are prequalified for General Building Construction under Group 25B, you are automatically prequalified for Group 25A.*

□ **Group No. 25C Vertical Construction - Major**

The undertaking of general contracts for the construction of buildings (i.e. new construction, renovation, rehabilitation, alteration, addition, etc.). The contract must include a variety of construction practices, major coordination of subcontractors, tenants, operations, and public in occupied areas, requires integrated scientific or complex mechanical/electrical equipment in order for them to function, and are typically multiple year construction durations. Examples include hospitals, chemistry buildings, historic preservation to a landmark structure, and/or any other structure that is truly one of a kind within the State's inventory. Other examples include threshold buildings, airport buildings / terminals, marine structures, train maintenance buildings and train stations, parking garages.

*Note: If you are prequalified for General Building Construction under Group 25C, you are automatically prequalified for Group 25A and Group 25B. There may be specific projects within this classification that require a major contractor registration from the Department of Consumer Protection.*

□ **Group No. 25E Vertical Construction Electrical**

General building electrical, generators, electrical vaults, lighting, and associated finishes.

□ **Group No. 25R Vertical Construction Roofing**

General building roofing, thermal/moisture protection and associated finishes.