

DESIGN-BUILD PROJECT SELECTION TOOL

The following is a tool that the Department of Transportation (Department) is developing to assist in determining the appropriate delivery method for projects. The Department is testing this tool on projects on the State Highway System that have been nominated for the Design-Build Demonstration Program authorized by Senate Bill (X2) 4. Please provide a response to each question below.

EVALUATION OF PROJECT SCOPE AND CHARACTERISTICS		
QUESTION No.	QUESTION	Rating (A, B or C)
1a)	Where is the project in the project development process? A. Detailed or final engineering stage B. Preliminary design C. Conceptual engineering stage	
1b)	What is the size/complexity of the project? A. Relatively simple, smaller project with no need for specialized outside expertise B. Medium size project with more technically complex components and schedule complexity C. Large, complex project with significant schedule complexity (e.g. multiple phases, extensive third-party issues, specialized expertise needed)	
1c)	Does the project involve significant impacts to highway users and local businesses/community during construction? A. No more than typical B. More than typical C. Much more than typical	
1d)	Does the project present right-of-way limitations that would benefit from a contractor's assistance? A. No more than typical B. More than typical C. Much more than typical	
1e)	Does the project present environmental permitting issues that would benefit from a contractor's assistance? A. No more than typical B. More than typical C. Much more than typical	
1f)	Does the project present utility or third-party issues that would benefit from a contractor's assistance? A. No more than typical B. More than typical C. Much more than typical	
1g)	Does the project present unique work restrictions or traffic maintenance requirements that would benefit from a contractor's assistance? A. No more than typical B. More than typical C. Much more than typical	
1h)	Would the project benefit by packaging features of work to allow early lock-in of construction materials/labor pricing? A. No more than typical B. More than typical C. Much more than typical	
1i)	Would the project benefit by raising quality standards/benchmarks to minimize maintenance and achieve lower life-cycle cost? A. No more than typical B. More than typical C. Much more than typical	

EVALUATION OF SUCCESS CRITERIA		
QUESTION No.	QUESTION	Rating (A, B or C)
2a) Schedule Issues		
1	<p>Can time savings be realized through concurrent design and construction activities (fast-tracking)?</p> <p>A. No more than typical B. More than typical C. Much more than typical</p>	
2	<p>Can the schedule be compressed?</p> <p>A. No more than typical B. More than typical C. Much more than typical</p>	
2b) Opportunity for Innovation		
1	<p>Will the project scope allow for innovation (e.g., alternate designs, traffic management, construction means and methods, etc.)?</p> <p>A. No more than typical B. More than typical C. Much more than typical</p>	
2	<p>Must the project scope be primarily defined in terms of prescriptive specifications (i.e., predetermined materials and methods), or can performance specifications (expressing desired end results) be used, or a combination of both?</p> <p>A. Primarily prescriptive specifications B. Combination of prescriptive and performance specifications C. Performance specifications for significant elements</p>	
2c) Quality Enhancement		
1	<p>Will there be opportunities for contractors to provide materials or methods that provide greater value than normally specified by the state on similar projects?</p> <p>A. No more than typical B. More than typical C. Much more than typical</p>	
2	<p>Will there be the opportunity for realization of greater value due to designs tailored to contractor's area of expertise?</p> <p>A. No more than typical B. More than typical C. Much more than typical</p>	
3	<p>Will warranties or maintenance agreements be used?</p> <p>A. No B. Limited to short-term workmanship and materials C. Much more than typical</p>	

EVALUATION OF SUCCESS CRITERIA (Continued)		
QUESTION No.	QUESTION	Rating (A, B or C)
2d) Cost Issues		
1	Will there be opportunities for contractors to provide designs with lower initial construction costs than those typically specified by the state? A. No more than typical B. More than typical C. Much more than typical	
2	Will there be opportunities for contractors to provide alternate design concepts with lower lifecycle costs than those typically specified by the state? A. No more than typical B. More than typical C. Much more than typical	
3	Is funding for the project committed and available? A. Secured for design phase only or cannot support accelerated construction B. Funding can accommodate fast-tracking to some extent C. Funding will accommodate compressed schedule/fast-tracking	
4	Will the cost of procurement affect the number of bidders? A. Procurement cost would significantly limit competition B. Procurement cost could affect the number of bidders C. Procurement cost would not be a significant issue given the size or complexity of the project	
5	Will project budget control benefit from the use of formal contingencies? A. No benefit B. A formal contingency may permit the Transportation Entity to add project scope or enhance quality within the constraints of its published budget C. A formal contingency is required to allow the Transportation Entity to maximize project scope and quality within the constraints of its published budget	
2e) Staffing Issues		
1	Does the Transportation Entity have the expertise and resources necessary for a complicated procurement process? A. Inadequate resources or expertise B. Limited resources or expertise C. Adequate resources and expertise	
2	Are resources available to complete the design? A. Resources are available to complete design B. Resources are available for partial design C. Specialized expertise, not available in-house, is required	
3	Are resources available to provide construction oversight? A. Resources are available B. Full-time construction oversight could strain staff resources C. Resources are unavailable	

Please provide name and telephone number of person most familiar with the responses to this questionnaire for potential follow-up questions:

Name

Telephone Number