ARTICLE 11
Division of Engineering Services
PSR-PDS Scoping Checklist

Project Information

Project ID: EA: Project Name: Date:

Project Description:

District/County/Route/Post-Mile:

District PID/Project Manager: email:

DES Project Liaison Engineer (PLE)*:   email:

DES Special Funded Projects Liaison Engineer: email:

*The PLE in consultation with DES Functional Units will assist with the completion of this form.

Project Scope

DES acknowledges that scope is in development at this time. The Project Liaison Engineer is available to assist the District in determining the involvement of DES functional units. The intent of the checklist is to gather as much information as possible on the alternatives to accurately identify the involvement of DES.

Describe and identify in the following sections a general description of improvements anticipated as part of the project scope that will require DES functional unit involvement.

Check applicable boxes describing proposed scope of project.

☐ Bridge Deck Rehab.	☐ Median Barrier Retrofit
☐ Bridge Joint Seals	☐ Modify Interchange
☐ Bridge Rehabilitation	☐ Modify Slope
☐ Bridge Replacement	☐ New Bridge
☐ Bridge Seismic Retrofit	☐ New Expressway/Freeway on new alignment
☐ Bridge Widening	☐ Other Roadway Realignment
☐ Building Project	☐ Roadway Rehabilitation
☐ Construct Interchange	☐ Rockfall Project
☐ Construct Passing Lane	☐ Retaining Wall
☐ Curve Correction	☐ Soundwall
☐ Emergency/Storm Damage	☐ Stabilize Roadway
☐ Landslide/Slip-out	☐ Stabilize Subgrade
☐ Left-turn Pocket	☐ Widen Highway
☐ Other Design:	

Briefly describe proposed scope of DES involvement for all alternatives.

Alternative 1:	
Alternative 2:	
Alternative 3:	
Other Alternatives:	

Project Schedule

PA&ED Date:

Project Cost (DES Component)

For PSR-PDS projects, the following section is to be used to determine DES component of the Project Cost for EACH alternative, provided that the scope is significantly different.

Alternative	Project Cost	Roadway ($1000's)	Structure ($1000's)**
Alt. 1	Capital Outlay Construction		
	Capital Outlay Support		
	Total		
Alt. 2	Capital Outlay Construction		
	Capital Outlay Support		
	Total		
Alt. 3	Capital Outlay Construction		
	Capital Outlay Support		
	Total		
Alt. X	Capital Outlay Construction		
	Capital Outlay Support		
	Total		

*Structure Cost Range to be provided by (check one)

☐ Consultant   ☐ Structure Design Technical Liaison.

Project Scope Breakdown by DES Function

Photogrammetry

> **Note: A Photogrammetry Service Request** for PSR-PDS must be completed and submitted to DES Photogrammetry by the District Photogrammetry Coordinator.

Bridge Design Services (check applicable boxes)

Design by:

- ☐ Office of Bridge Design
- ☐ Structure Maintenance Design
- ☐ Office of Special Funded Projects & Structure Local Assistance (Consultant Design Oversight)

Bridge Information:

Strucutre/Bridge Work	Number of Structures	Br. Name(s) & No(s).	Alternative
☐ New Bridge(s)	*X*	*Br. Name(s) & No(s).*	*Alt X.*
☐ Bridge Replacement(s)			
☐ Bridge Widening(s)			
☐ New Bridge over water			
☐ Bridge Replacement over water			
☐ Bridge Widening over water			
☐ Bridge Rail Replacement(s)			
☐ Approach Slab			
☐ Bridge with Railroad Involved			
☐ Bridge w/ Scour Analysis			
☐ Bridge w/ Special Design or Retrofit			

Other DES functional units required for Structure Work

- ☐ Structure Hydraulics and Hydrology (include if bridge is over or adjacent to water) (ODTS)
- ☐ Preliminary Investigations (Structure Foundation Plan) (BD)
- ☐ Geotechnical Services (GS)
- ☐ Non-Standard Special Design (non-standard barriers, sign, walls) (ODTS)
- ☐ Transportation Architecture (SES)
- ☐ Electrical, Mechanical, Water or Wastewater (SES)

Wall Design Data for Bridge Design & Geotechnical Services

Wall No.		Type		Length (ft)		Height (ft)		Standard or Special Design
1		*Retaining Wall -Type 1 (Case 1)*		*500'*		*14'*		*Standard*
2		*Soundwall - Type 1SW*		*100'*		*14'*		*Special*
3		*Soldier Pile Wall*		*50'*		*20'*		*Special*
4		*MSE*		*500'*		*16'*		*Special*

5							
6							
7							

Geotechnical Services

Is Oversight for consultant prepared geotechnical reports required?

☐ Yes   ☐ No

Has the Geotechnical Design Liaison or other geotechnical person been contacted?

☐ Yes   ☐ No   If yes, who? _____

Terrain	☐ Flat	☐ Rolling	☐ Mountainous	
Cuts:	Est. Max Height (ft)	Est. Volume (ft^3):	☐ New	☐ Widen
Fills:	Est. Max Height (ft)	Est. Volume (ft^3):	☐ New	☐ Widen

Sign Structures

☐ Overhead Sign Foundations	Number
☐ Changeable Message Sign Foundations	Number

Other:

☐ Special Studies (slope stability, rockfall, erosion, seepage, ground water, settlement, liquefaction, slipout repair, rock slope, etc.) Explain: _____

☐ Existing Maintenance Problems: Explain: _____

Technical Specialist Design

Anticipated insertable plan sheet(s) check below:

☐ Culvert(s)	Number
☐ Barrier(s)	Number
☐ Signs and Overhead Structures	Number
☐ Other Design:	Explain:

Transportation Architecture Design

☐ Design New Building(s)	Explain:
☐ Remodel Existing Buildings(s)	Explain:
☐ Bridge Aesthetics Evaluation	Explain:
☐ Build scale model	Explain:
☐ Other Aesthetics work	Explain:

Electrical, Mechanical, Water & Wastewater Design

☐ Pumping Plants	Explain:
☐ Movable bridge, drawbridge	Explain:
☐ Lighting control system for facilities	Explain:
☐ Sanitary Systems	Explain:

Materials Engineering & Testing Services

Pavement

☐ Rigid ☐ Flexible	Average Grade	Average Superelevation	
☐ Deflection Study Required	No. of Locations	Lane/miles to be tested	

Consultation and Inspection

☐ Loop detectors	☐ Signal & Lighting Products	☐ Changeable Message Signs, Closed Circuit TV
☐ Concrete Bridge	☐ Steel Bridge	

Corrosion Tests

☐ Soil	☐ Concrete	☐ Cathodic Protection System

Other

☐ Special Products:	Explain

Additional Studies, Investigations or Research from DES

Identify additional studies or investigations that may be required from DES Functional Units.

Describe additional studies or investigation.

Prepared By: _____ **Date** _____

Please submit this form to DES, to the attention of the Project Liaison Engineer, Office of Project Delivery & Structure Contract Management, in the subdivision of Program/Project Management and Office Engineer.

DES will provide a Structure Capital Cost Estimate Range and DES Support Cost Estimate for each alternative.