## **ARTICLE 11**

# Division of Engineering Services PSR-PDS Scoping Checklist

### **Project Information**

District	County	Route	(Post Mile)	EA	Project ID#			
Project D	escription:							
Project M	Project Manager Phone #							
DES Project Liaison Engineer* (PLE): Select a PLE from pulldown								
DES Special Funded Projects Liaison Engineer: Phone #						Phone #		
DES Consultant Management Engineer: Phone #						Phone #		
*The Project Liaison Engineer will provide assistance 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.

New Expressway/Freeway	☐ Other Roadway Realignment	☐ Widen Highway
on new alignment	☐ Emergency/Storm Damage	□ Rockfall Project
Construct Interchange	☐ Bridge Widening	□ Left-turn Pocket
Modify Interchange	☐ Curve Correction	☐ Modify Slope
Bridge Replacement	☐ Building Project	☐ Stabilize Subgrade
(New alignment? ☐ Yes ☐ No)	☐ Median Barrier Retrofit	☐ Stabilize Roadway
Bridge Rehabilitation	☐ Construct Passing Lane	□ Landslide/Slip-out
New Bridge	☐ Soundwall/Retaining Wall	☐ Bridge Deck Rehab.
Bridge Seismic Retrofit	□ Roadway Rehabilitation	□ Bridge Joint Seals
Other Design: Explain:		
	Construct Interchange Modify Interchange Bridge Replacement	on new alignment ☐ Emergency/Storm Damage Construct Interchange ☐ Bridge Widening Modify Interchange ☐ Curve Correction Bridge Replacement ☐ Building Project (New alignment? ☐ Yes ☐ No) ☐ Median Barrier Retrofit Bridge Rehabilitation ☐ Construct Passing Lane New Bridge ☐ Soundwall/Retaining Wall Bridge Seismic Retrofit ☐ Roadway Rehabilitation

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Briefly describe propose	d scope of DES involvement	for all altern	natives.
Alternative 1:			
Alternative 2:			
Alternative 3:			
Project Schedule			
PA/ED Date			
Project Cost			
· ·	<b>DS)</b> projects, the following section is ficantly different.	to be used for	EACH alternative, provided that the
Alternative # <u>Pr</u>	roject Cost Range (\$ 1000's)  Roadway \$  Structure** \$  Total \$  **Structure Cost Range to be pro		sk one)
	☐ Consultant	• `	re Design Technical Liaison.
Project Scope Break	kdown by DES Function		
Photogramm	etry		
	Note: A Photogrammetry Service R DES Photogrammetry by the District Ph		DS) must be completed and submitted to coordinator.
Bridge Desig	n Services (check applicable b	oxes)	
De	esign by:  Office of Structure Design Structure Maintenance Design Office of Structure Contract M Office of Special Funded Project	Ianagement (C	
Bi	ridge Information:		
	☐ New Bridge(s)	Number	Br. Name(s) & No(s).
	☐ Bridge Replacement(s) ☐ Bridge Widening(s)	Number Number	Br. Name(s) & No(s). Br. Name(s) & No(s).

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☐ New Bridge over water

☐Bridge Replacement over water

☐Bridge Widening over water

Number

Number

Number

Br. Name(s) & No(s).

Br. Name(s) & No(s).
Br. Name(s) & No(s).

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Project Initiation Documents
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☐ Bridge Rail Replacement(s)	Number	Br. Name(s) & No(s).
□Approach Slab	Number	Br. Name(s) & No(s).
☐Bridge with Railroad Involved	Number	Br. Name(s) & No(s).
☐Bridge w/ Scour Analysis	Number	Br. Name(s) & No(s).
☐Bridge w/ Special Design or	Number	Br. Name(s) & No(s).
Retrofit		

	ES functional units required for Structure Work  ☐ Structure Hydraulics (include if bridge is over or adjacent to water) ☐ Preliminary Investigations (Structure Foundation Plan) ☐ Geotechnical Services (Structure Foundations)							
Wall Design Data for Structure Design & Geotechnical Services								
	☐ Soundwall(s) Number		Est. Max. Ht Est. Length		D	Standard ☐ Specia Design Design		n
	☐ Ret. walls(s) Number		Est. Max. Ht Est. Length		_ D	andard esign	☐ Special Design	
	□ MSE Num	Wall(s) lber	Est. Max. Ht Est. Length			andard esign		
Geotechnical S	Services	}						
	Is Overs	ight for co	nsultant prepared	d geote	chnica	al reports re	quired?	
	□ Yes	□ No						
	Has the	Geotechni	cal Design Liaisor	ı or otl	her ge	otechnical po	erson been	contacted?
	☐ Yes ☐ No If yes, who?							
	Terrain	☐ Flat		□ Ro	lling		☐ Mount	ainous
	Cuts:		Height (m)		Volume (m <sup>3</sup> ):		□ New	□ Widen
	Fills:		Height (m)		Volume (m <sup>3</sup> ):		□ New	□ Widen
•	Sign Structures							
			Foundations			Number		
			essage Sign Found	ations				
	Other:							
<ul> <li>□ Special Studies (slope stability, rockfall, erosion, seepage, ground water, settlement, liquefaction, slipout repair, rock slope, etc.)</li> <li>□ Existing Maintenance Problems:</li> <li>□ Explain:</li> </ul>								
Technical Specialist Design								
i	Anticipated insertable plan sheet(s) check below:							
	☐ Culvert(s)				Number			
	□ Barri				Numb			
			head Structures		Numb			
	☐ Other Design: Explain:							

**Transportation Architecture Design** 

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	☐ Design New Building(s)			Explain:			
	☐ Remodel Existing	Building	s(s)	Explain:			
	☐ Bridge Aesthetics l	Evaluatio	n	Explain:			
	☐ Build scale model			Explain:			
	☐ Other Aesthetics work			Explain:			
Electrical, Me	chanical, Water &	Waste	water De	sign			
	☐ Pumping Plants			Explain:			
	☐ Movable bridge, di	rawbridge	2	Explain:			
	☐ Lighting control sy			Explain:	*		
	☐ Sanitary Systems			Explain:			
M-4		- C					
Materials Eng	ineering & Testing	g Servic	ees				
	Pavement						
	□ Rigid □ 1	Flexible	Average (	Grade	Average Superelevation		
	☐ Deflection Study R		No. of Lo		Lane/miles to be tested		
	Consultation and Inc.	4					
	Consultation and Insp		al 0- Liabein	a Duaduata	Changachla Massaca Sians		
	☐ Loop detectors	□ Sign	al & Lightir	ig Producis	☐ Changeable Message Signs, Closed Circuit TV		
	Concrete Bridge	□ Steel	Dridge		Closed Circuit 1 v		
☐ Concrete Bridge ☐ Steel Bridge							
Materials Eng	ineering & Testing	g Servic	es (Conti	nued)			
_	<b>Corrosion Tests</b>	_					
	Soil	□ Con(	prete		☐ Cathodic Protection System		
					Cathodic i Totection System		
	Other						
	☐ Special Products:   Explain						
Additional Studies, I	nvestigations or	r Rese	arch fro	m DES			
		11000					
Identify additional studies or	r investigations that t	may he r	equired fro	om DES F	unctional Units		
identify additional studies of	i investigations that i	may oc i	equired iiv	JIII DLS I	unctional Omis.		
Prepared By:				Date			
Trepared by.	<del> </del>			Date	· ————————————————————————————————————		
Please submit this form to	DES, to the attenti	ion of tl	ne Project	Liaison I	Engineer, Office of		

DES will provide a Structure Cost Estimate Range, for each alternative and a resource summary estimate to be included in the project workplan.

Project Delivery, in the subdivision of Program/Project & Resource Management.

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