

GS PSC: Geotechnical Program Framework (Seismic and Non-Seismic)

	Geotechnical Program					
Program:						
Family of Projects:	G1 Geotech Data Management	G2 Geotech Standards and Best Practices	G3 Geotech Risk Management	G4 Cost-Effective Geotech Designs	G5 Minimizing Geotech Environmental Impacts	G6 Soil-Foundation- Structure Interaction
Projects:	(G1.1) Innovative Geotech Data Management Tools & Methods	(G2.1) Guidelines for Appropriate Extent of Geotech Investigations	(G3.1) Acceptable Risk from Geologic & Geotech Hazards	(G4.1) Develop & Deploy Ground Improvement Technologies	(G5.1) Reducing Impacts of Foundation Construction Vibrations	(G6.1) SFSI Design Tools for Soil Liq. & Lateral Spreading
Project Manager:	Continuing "Strategic" (M1, ST7)	Continuing "BP" (SV6, D4)	New "Strategic" (ST9, ST3)	Continuing "Strategic" (SF1, ST9)	Continuing "BP" (ST5, SV6)	Continuing Strategic (SF1,ST9)
Retired Tasks:	Loren Turner	John Bowman	Cliff Roblee	David Jang	Loren Turner	Tom Shantz
Active Tasks:	0276 0057; 1232	x x	x x	0237; 0935 0260	x 1010	0080; 0212 0880 (partial);
Proposed Tasks:	1804	1818	1838	x	x	x
Projects:	(G1.2) Geotech Data: Interchange Stds & Interagency Exchange	(G2.2) QC/QA Best Practices for Geotech Products	(G3.2) Locations of Geologic & Geotech Hazards Affecting Transportation	(G4.2) Addressing Foundation Constructability Issues	(G5.2) Minimizing Environmental Impacts of Geotech Operations	(G6.2) Management of Design Uncertainties Related to SFSI
Project Manager:	Continuing "Strategic" (M1, ST7)	Continuing "BP" (ST7, D5)	Continuing "Strategic" (ST9, M2)	Continuing "Strategic" (SF1, ST9)	Continuing "BP" (ST5, SV6)	Continuing Strategic (SF1,ST9)
Retired Tasks:	Loren Turner	Hector Valencia	Cliff Roblee	Brian Liebich	NA - Cliff Roblee	Tom Shantz
Active Tasks:	x 0336	x x	0082 x	x 1741, 1931	x x	s0433 s0434, s0439; s0580; s0582
Proposed Tasks:	1806; 1807	1822	1805	1819, 1837, 1917	x	x
Projects:	(G1.3) Evaluation of Emerging Geotech Data Collection Tools	(G2.3) Geotechnical Reports: Standards Development & Deployment		(G4.3) Optimizing Foundation Design for Cost and Performance		(G6.3) Quantifying the SFSI Effects of Bridge Abutments
Project Manager:	Continuing "BP" (ST7, D1)	Continuing "BP" (ST7, D5)		Continuing "Strategic" (SF1, ST9)		Continuing Strategic (SF1,ST9)
Retired Tasks:	Loren Turner	NA - Cliff Roblee		Tom Shantz		Tom Shantz
Active Tasks:	0024; 0240 1648	x x		0004; 0076; 0226; 0252; 0257; 0509 0717; 0931; 0932; 1233; s0575; s0607 1927		s0402 1032; s0495
Proposed Tasks:	x	x		1927		x
Projects:	(G1.4) Geologic Mapping to Extend Borehole Data			(G4.4) Improved Earth Retaining Systems		
Project Manager:	Continuing "BP" (ST7, SV6)			Continuing "Strategic" (SF1, ST9)		
Retired Tasks:	NA - Loren Turner			David Jang		
Active Tasks:	x x			0933 0218; 0372		
Proposed Tasks:	x			x		
Projects:				(G4.5) Improved Slope Protection Systems		
Project Manager:				Continuing "Strategic" (SF1, ST9)		
Retired Tasks:				Tom Whitman		
Active Tasks:				0222 1517		
Proposed Tasks:				x		

<p>Color Key</p> <ul style="list-style-type: none"> Continuing "Strategic Priority" Project New "Strategic Priority" Project Continuing "Best Practices (BP)" Project New "Best Practices (BP)" Project Continuing or New "Low Priority" Project No Activity Proposed for FY08/09 	<ul style="list-style-type: none"> "Continuing" = Project substantially identified in prior "roadmaps". "New" = Not in prior roadmaps "sXXXX" = DES contract number (i.e. 59AXXX) funded through seismic research BCP. 's' contracts tracked by DES.
--	--

GS PSC: Structures Program Framework (Seismic and Non-Seismic)

Program:	Structures Program						
Family of Projects:	S1 Assess the Condition of Existing Structures	S2 Extend Structure Service Life	S3 Improved Bridge Construction & Maintenance	S4 High-Performance Structure Components, Materials & Systems	S5 Nationally Accepted Specifications	S6 Post-EQ Bridge Assessment & Service Restoration	S7 Management of Other Extreme Events
Projects:	(S1.1) Improve Worker Safety for Bridge Inspection	(S2.1) Characterization & Impacts of Increased Traffic Loads	(S3.1) Accel. Bridge Construction to Reduce Time/Traffic Impacts	(S4.1) Practical Implementation of High Performance Materials	(S5.1) Improved LRFD Specs for California Bridge Design	(S6.1) Rapid Post-EQ Notification of Potential Bridge Damage	(S7.1) Structure Design Details for Blast & Extreme Events
Project Manager:	Continuing BP (SF3, SV6)	Continuing Strategic (M1, ST9)	Continuing Strategic (ST9, M8)	Continuing Strategic (SF1, ST9)	Continuing Strategic (SF1, ST9)	Continuing Strategic (ST9, M2)	Continuing Strategic (SF1, ST9)
Retired Tasks:	Mike Johnson	NA Peter Lee	Charles Sikorsky	Charles Sikorsky	Charles Sikorsky	Loren Turner	Charles Sikorsky
Active Tasks:	x 1050	x x	x 0928; s0586	0247; 0250; 0798; 0799; 0801; s0188 0246; 0248; 0631; 0632; 1130; 1131; 1202; 1932; 1933	x 0286; 0514; 0567; 1866	x 0579; 0734	0568 0591; 0791; 0886; 1213
Proposed Tasks:	x	x	1941	1923, 1925, 1928, 1944	1946	1793	x
Projects:	(S1.2) Rapidly Assess Structural Capacity and Remaining Service Life	(S2.2) Managing Corrosive Environments	(S3.2) Accel. Bridge Maintenance to Reduce Time/Traffic Impacts	(S4.2) Innovative Soundwall Design Alternatives		(S6.2) Improved Bridge Fragility Using Unique CA Information	(S7.2) Managing Scour Potential and Impacts
Project Manager:	Continuing Strategic (ST9, SV6)	Continuing Strategic (ST9, ST7)	Continuing Strategic (ST9, M8)	Continuing Strategic (ST9, ST7)		Continuing Strategic (ST9, M2)	Continuing Strategic (SF1, ST9)
Retired Tasks:	Charles Sikorsky	Peter Lee	Charles Sikorsky	NA - Peter Lee		Cliff Roblee	Cliff Roblee
Active Tasks:	0112; 0130; 0369; 0594; 1519 0224; 0934; 0938; 1096; 1645 1924	0593; 0929 0374; 0939; 1518 x	0634; s0459 s0508; s0510; s0622 x	x x x		0145 1775 1780; 1781	x 1729 x
Proposed Tasks:	x	x	x	x		x	x
Projects:	(S1.3) Long-Term Structural Performance Monitoring of Bridges	(S2.3) Improving and Assuring Materials Quality	(S3.3) Improved Bridge Construction Methods	(S4.3) Innovative Precast Components for Improved Constructability		(S6.3) Assess Post-Event Bridge Performance	(S7.3) Tsunami Mitigation Measures
Project Manager:	Continuing Strategic (ST9, M1)	Continuing Strategic (SF1, ST9)	Continuing Strategic (SF1, ST3)	Continuing Strategic (SF1, ST3)		Continuing Strategic (SF1, M2)	Continuing Strategic (SF1, ST9)
Retired Tasks:	Li Sheng	Peter Lee	Peter Lee	NA - Charles Sikorsky		Charles Sikorsky	Peter Lee
Active Tasks:	s0438 0081; 0245; 1097 1922, 1926	x s0511; s0539 1862	0367; 0607; 0629; 0633; 0936 1098 1945	x x x		x 0284; s0506; s0585 1943	x s0700004 (check #?) 1840
Proposed Tasks:	x	x	x	x		x	x
Projects:		(S2.4) Improved Design Details to Extend Service Life				(S6.4) Improved Facility Restoration Techniques	(S7.4) Bridge Design for Fault Crossings
Project Manager:		Continuing Strategic (SF1, ST9)				Continuing Strategic (SF1, M2)	Continuing Strategic (SF1, ST9)
Retired Tasks:		Charles Sikorsky				Saad El-Azazy	Saad El-Azazy
Active Tasks:		x 0792 x				x s0537; s0543; s0630 x	x s0435 1841
Proposed Tasks:		x				x	x

Color Key	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <div style="background-color: #92d050; width: 100px; height: 10px; margin-bottom: 2px;"></div>Continuing "Strategic Priority" Project <div style="background-color: #d9d9d9; width: 100px; height: 10px; margin-bottom: 2px;"></div>New "Strategic Priority" Project <div style="background-color: #92d050; width: 100px; height: 10px; margin-bottom: 2px;"></div>Continuing "Best Practices (BP)" Project <div style="background-color: #d9d9d9; width: 100px; height: 10px; margin-bottom: 2px;"></div>New "Best Practices (BP)" Project <div style="background-color: #92d050; width: 100px; height: 10px; margin-bottom: 2px;"></div>Continuing or New "Low Priority" Project <div style="background-color: #d9d9d9; width: 100px; height: 10px; margin-bottom: 2px;"></div>No Activity Proposed for FY08/09 </div> <div style="width: 50%;"> <p>"Continuing" = Project substantially identified in prior "roadmaps".</p> <p>"New" = Not in prior roadmaps</p> <p>"sXXXX" = DES contract number (i.e. 59AXXXX) funded through seismic research BCP.</p> <p>"s" contracts tracked by DES.</p> </div> </div>
------------------	--

GS PSC: Earthquake Engineering Program Framework (All Seismic Tasks)

<p>Program:</p> <p>Family of Projects:</p> <p>Projects:</p> <p>Project Manager:</p> <p>Retired Tasks or sContracts:</p> <p>Active Tasks or sContracts:</p> <p>Proposed Tasks or sContracts:</p>	<p>Earthquake Engineering Program (Fully Funded Under Seismic Research BCP; Tracked by DES)</p>	
	<p>EE1 PEER/Lifelines Partnership</p>	<p>EE2 Improved Seismic Design Details for Structures</p>
	<p>(EE1.1) Earthquake Ground Motion Hazard Characterization</p>	<p>(EE2.1) Seismic Design Details for Improved Bridge Performance</p>
	<p>Continuing Strategic (SF1,ST9)</p>	<p>Continuing Strategic (SF1,ST9)</p>
	<p>Tom Shantz</p>	<p>Saad El-Azazy</p>
	<p>x 0005 0880 (Partial) 1788 (Partial); 1929</p>	<p>s0200; s0247; s0288; s0337; s0363; s0424; s0436; s0442 s0420; s0491; s0501; s0503; s0517; s0564; s0591; s0594; s0615 x</p>
	<p>(EE1.2) EQ Soil Liquefaction & Ground Deformation Hazards</p>	<p>(EE2.2) Seismic Response Modification Devices</p>
	<p>Continuing Strategic (SF1,ST9)</p>	<p>Continuing Strategic (SF1,ST9)</p>
	<p>Tom Shantz</p>	<p>Charles Sikorsky</p>
	<p>x 0880 (Partial) 1788 (Partial)</p>	<p>s0174; s0298; s0356; s0437 s0605 x</p>
		<p>(EE2.3) Natn/Intrnl Collaborative Research in EQ Engineering</p>
		<p>Continuing Strategic (SF1,ST9)</p>
		<p>Cliff Roblee</p>
		<p>x 1731 1794</p>
		<p>(EE2.4) Seismic Perf. of Retaining Walls & Sound Walls</p>
		<p>Continuing Strategic (SF1,ST9)</p>
		<p>NA - Peter Lee</p>
		<p>x x x</p>
		<p>(EE2.5) Strong-Motion Instrumentation of Bridges & Geotech Arrays</p>
		<p>Continuing Strategic (M1, SF1)</p>
		<p>Pat Hipley</p>
		<p>s0238; s0245; s0290; s0311; s0425 s0565; s0578 x</p>
		<p>(EE2.6) Improved Seismic Analysis of Structures</p>
		<p>Continuing Strategic (SF1, SV6)</p>
		<p>Li-Hong Sheng</p>
		<p>s0361; s0433 s0439; s0496; s0507; s0516 x</p>

Color Key

Continuing "Strategic Priority" Project	"Continuing" = Project substantially identified in prior "roadmaps".
New "Strategic Priority" Project	"New" = Not in prior roadmaps
Continuing "Best Practices (BP)" Project	"sXXXX" = DES contract number (i.e. 59AXXXX) funded through seismic research BCP.
New "Best Practices (BP)" Project	
Continuing or New "Low Priority" Project	
No Activity Proposed for FY08/09	