SPC 4D Upgrade start with a pre-submittal meeting with Seismic Compliance Unit (SCU) if necessary

Using CBC 1980 and Site Data Report for CBC 1980 available?

Yes

Geo/Geohazard review and add differential settlement data to CBC 1980 report

No

Construction Documents Available?

Yes

Submit project to Seismic Compliance Unit (SCU) for review with:
1. Geotech/Geohazard report
2. As-builts or original construction drawings
3. Comprehensive Data Collection Report (with Material Test and Field Observation results)
4. Analysis/calculations

Submittal meeting recommended.

G project

If retrofit required, H/I project submitted to Building Safety Section (BSS) Region

Plan Approval by BSS/Letter of concurrence for retrofit by SCU

H/I project Closure

No

Prepare As-Built Drawings per CAC 2.1.2.1.1

Comprehensive Data Collection Program per CBC 3413A.1.3:
1) Material Test Program per CAC 2.1.2.2
2) Field Observation Program per CAC 2.1.2.1 Item 3

Comprehensive Data Collection Results based on approved program that contains:
1) Material Test Results
2) Field Observation Results

G project

If SCU is busy, this may be assigned to key Senior Structural Engineer (SSE) in each region, however managed by SCU staff.

Prepare Geotech/Geohazard for one of the following:
1) 1980 CBC with differential settlement data
2) ASCE 41-13
3) Current Code

Yes

ASCE 41-13 and current code already require differential settlement data

SER project for Test Results

If retrofit not required

Proposed Retrofit Acceptable

Letter issued by SCU

Concurrent review of the as-retrofit condition

Submit retrofit as-builts/structural change orders to SCU

H/I project Closure

SRU project title will have SPC-4D project # and Bld # - Billed on Time at prevailing rate

If retrofit required, H/I project submitted to Building Safety Section (BSS) Region

Structural review done by BSS SSE

AMEP & F review done by BSS Staff

Secondary Structural review done by SCU SSE (Review Time added to SRU Project)

Process Map: Indicates a review cycle that may include backchecks

Billed on construction cost

CAC = California Administrative Code
CBC = California Building Code
SRU, SER = Seismic Compliance Unit project types
AMEP & F = Architectural, Mechanical, Electrical, Plumbing and Fire

Revision Date = 5/20/2019

Notes:
- CAC = California Administrative Code
- CBC = California Building Code
- SRU, SER = Seismic Compliance Unit project types
- AMEP & F = Architectural, Mechanical, Electrical, Plumbing and Fire
- SRU project title will have SPC-4D project # and Bld # - Billed on Time at prevailing rate
- If SCU is busy, this may be assigned to key Senior Structural Engineer (SSE) in each region, however managed by SCU staff.
- If retrofit not required, a letter issued by SCU
- Concurrent review of the as-retrofit condition
- Billed on construction cost
- Indicates a review cycle that may include backchecks
1. Process Box: SPC 4D Upgrade start with a pre-submittal meeting with Seismic Compliance Unit (SCU) if necessary. Go to Items 2 and 5 in parallel.

2. Decision Box: Using CBC 1980 and Site Data Report for CBC 1980 available? If yes, go to Item 3; If no, go to Item 4.

3. Process Box: Geo/Geohazard review and add differential settlement data to CBC 1980 report. This is a G Project. Go to Item 9. A review cycle that may include backchecks, is indicated.

4. Prepare Geotech/Geohazard for one of the following: 1) 1980 CBC with differential settlement data 2) ASCE 41-13 3) Current Code. Note: ASCE 41-13 and current code already require differential settlement data. This is a G Project. Go to Item 9. A review cycle that may include backchecks, is indicated.

5. Decision Box: Construction Documents Available? If yes, go to Item 6; If no, go to Item 7.

6. Prepare As-Built Drawings per CAC 2.1.2.1. This is a SER project for program. Go to Item 9. A review cycle that may include backchecks, is indicated.

7. Comprehensive Data Collection Results based on approved program that contains: Material Test Results, Field Observation Results. This is a SER project for results. Go to Item 9. A review cycle that may include backchecks, is indicated.

8. Process Box: Submit project to Seismic Compliance Unit (SCU) for review with: 1. Geotech/Geohazard report 2. As-builts or original construction drawings 3. Comprehensive Data Collection Report (with Material Test and Field Observation results) 4. Analysis/calculations. Submittal meeting recommended. If SCU is busy, this may be assigned to key Senior Structural Engineer (SSE) in each region, however managed by SCU staff. SRU project title will have SPC-4D project # and Bld # - Billed on Time at prevailing rate. Go to Item 10. If Retrofit is not required go to Item 20. A review cycle that may include backchecks, is indicated.


11. Process Box: Structural review done by BSS SSE. Go to Item 13. A review cycle that may include backchecks, is indicated.


13. Process Box: Concurrent review of the as-retrofit condition. Go to Item 16. A review cycle that may include backchecks, is indicated.

14. Process Box: Plan Approval by BSS/Letter of concurrence for retrofit by SCU. Go to Item 17.


17. Process Box: Submit retrofit as-builts/structural change orders to SCU. Go to 20.
