

# Calculation/Analysis Change Notice

Complete only applicable items.

3. Document Identifier: 800-S0C-SS00-00200-000	ENG. 20080304.0009	4. Rev.: 00A	5. CACN: 001
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6. Title:  
Design Response Spectrum for Conventional Subsurface Facilities Utilizing Updated Soil Data

7. Reason for Change:

The design response spectra shown in References 2.2.2, 2.2.3 and 2.2.4 have been qualified with a caveat that indicates points with a period of 3.33 second and above are plotted incorrectly. It has been determined that the highest period that can be qualified is at 2 seconds. This caveat limits the data in DTNs MO0707DSRB1E3A.000, MO0707DSRB5E4A.000 and MO0706DSRB1E4A.000.

8. Supersedes Change Notice:  Yes If, Yes, CACN No.: \_\_\_\_\_  No

9. Change Impact:

Inputs Changed:  Yes  No Results Impacted:  Yes  No

Assumptions Changed:  Yes  No Design Impacted:  Yes  No

10. Description of Change:

*3/1/08* *3/1/08* *3/1/08*  
Delete "TBV-9136" from Ref. 2.2.2; "TBV-9137" from Ref. 2.2.3, and "TBV-9138" from Ref. 2.2.4.

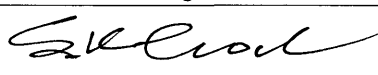
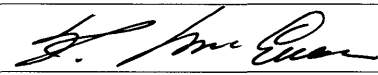

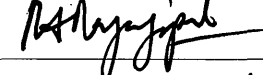

Add as Paragraph 1 to Section 7 of the calculation as follows:

MO0707DSRB1E3A.000 (Ref.2.2.2), MO0707DSRB5E4A.001 (Ref.2.2.3), and MO0707DSRB1E4A.000 (Ref. 2.2.4) have been qualified with a caveat that deletes accelerations above 2 second period (below 0.5 hertz frequencies).

In Section 6.1 of the calculation, acceleration values from the three response spectra have been extracted at the natural periods of vibration of 0.2 sec and 1 second. These values have been then used to generate a response spectrum for the non-ITS surface facilities.

As the acceleration values at 0.2 sec. and 1.0 sec. are below the 2.0 seconds period threshold, it is concluded that the response spectrum generated in this calculation is not affected by the caveat indicated above.

**11. REVIEWS AND APPROVAL**

Printed Name	Signature	Date
11a. Originator: Surendra K. Goel		3/01/2008
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11c. EGS: Thomas Frankert		3/1/08
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11e. Design Authority: Barbara Rusinko		3/1/08