

## Summary for event file 58658\_007\_20210426\_10.09.54.P.zip

Filter high cut: 40.0  
Filter low cut: 0.3  
Filter point: 3.0  
Station Coordinates: 37.691N, 122.099W  
Station Number: '58658'

### Bridge Channel Peaks

Component	Acceleration g	Velocity cm/s	Displacement cm
Longitudinal	0.0272	-5.2310	30.5490
Transverse	-0.0147	0.1890	1.3580
Vertical	0.0576	1.4540	-1.1040

### Site Channel Peaks

Component	Acceleration g	Velocity cm/s	Displacement cm
Longitudinal	0.0146	0.2260	-0.3470
Transverse	0.0090	-0.1460	0.2820
Vertical	0.0178	0.2050	-0.0040

### Records

Deck Level near Abut 1:

Up (Chan 11):

Peak acceleration.....: -35.312  
Time of peak acceleration.....: 20.625  
Peak velocity.....: 0.6  
Time of peak velocity.....: 20.61  
Peak displacement.....: -0.958  
Time of peak displacement.....: 10.12  
Initial velocity.....: -0.065  
Initial displacement.....: -0.594

Long (Chan 12):

Peak acceleration.....: -11.595  
Time of peak acceleration.....: 20.48  
Peak velocity.....: 0.2  
Time of peak velocity.....: 20.46  
Peak displacement.....: -0.535  
Time of peak displacement.....: 9.05

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Initial velocity.....: -0.038
Initial displacement.....: -0.348
Tran (Chan 13):
Peak acceleration.....: -14.437
Time of peak acceleration.....: 20.485
Peak velocity.....: 0.189
Time of peak velocity.....: 20.475
Peak displacement.....: 0.675
Time of peak displacement.....: 54.735
Initial velocity.....: -0.049
Initial displacement.....: -0.375

Bent 3 Deck Level:
Long (Chan 14):
Peak acceleration.....: -4.726
Time of peak acceleration.....: 25.03
Peak velocity.....: 0.112
Time of peak velocity.....: 23.225
Peak displacement.....: 0.122
Time of peak displacement.....: 24.19
Initial velocity.....: 0.001
Initial displacement.....: 0.017
Tran (Chan 15):
Peak acceleration.....: -2.571
Time of peak acceleration.....: 27.105
Peak velocity.....: 0.175
Time of peak velocity.....: 31.395
Peak displacement.....: 1.358
Time of peak displacement.....: 54.345
Initial velocity.....: -0.092
Initial displacement.....: -0.732

Midspan between Bents 3 4 Deck:
Up (Chan 16):
Peak acceleration.....: 56.486
Time of peak acceleration.....: 25.05
Peak velocity.....: 1.454
Time of peak velocity.....: 25.07
Peak displacement.....: 0.564
Time of peak displacement.....: 26.755
Initial velocity.....: 0.05
Initial displacement.....: -0.057

Bent 4 North Column Top:
Long (Chan 19):
Peak acceleration.....: -3.646

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Time of peak acceleration.....: 31.22  
 Peak velocity.....: 0.276  
 Time of peak velocity.....: 32.84  
 Peak displacement.....: 1.58  
 Time of peak displacement.....: 44.875  
 Initial velocity.....: -0.069  
 Initial displacement.....: -1.099  
 Tran (Chan 20):  
 Peak acceleration.....: -4.728  
 Time of peak acceleration.....: 25.115  
 Peak velocity.....: 0.122  
 Time of peak velocity.....: 23.9  
 Peak displacement.....: 0.341  
 Time of peak displacement.....: 26.36  
 Initial velocity.....: -0.006  
 Initial displacement.....: -0.132  
 Bent 4 Deck Level:  
 Up (Chan 21):  
 Peak acceleration.....: 7.302  
 Time of peak acceleration.....: 24.535  
 Peak velocity.....: 0.163  
 Time of peak velocity.....: 25.0  
 Peak displacement.....: -1.104  
 Time of peak displacement.....: 10.455  
 Initial velocity.....: -0.074  
 Initial displacement.....: -0.676  
 Long (Chan 22):  
 Peak acceleration.....: 26.637  
 Time of peak acceleration.....: 28.68  
 Peak velocity.....: -5.231  
 Time of peak velocity.....: 44.505  
 Peak displacement.....: 30.549  
 Time of peak displacement.....: 33.575  
 Initial velocity.....: 0.415  
 Initial displacement.....: -11.03  
 Tran (Chan 23):  
 Peak acceleration.....: 3.343  
 Time of peak acceleration.....: 24.545  
 Peak velocity.....: -0.162  
 Time of peak velocity.....: 24.05  
 Peak displacement.....: 0.47  
 Time of peak displacement.....: 5.085  
 Initial velocity.....: 0.033  
 Initial displacement.....: 0.367

Abutment 1:

Up (Chan 1):

Peak acceleration.....: 17.433  
Time of peak acceleration.....: 20.27  
Peak velocity.....: 0.205  
Time of peak velocity.....: 20.29  
Peak displacement.....: -0.004  
Time of peak displacement.....: 20.27  
Initial velocity.....: 0.0  
Initial displacement.....: 0.0

Long (Chan 2):

Peak acceleration.....: 4.635  
Time of peak acceleration.....: 19.775  
Peak velocity.....: 0.049  
Time of peak velocity.....: 19.785  
Peak displacement.....: 0.19  
Time of peak displacement.....: 54.17  
Initial velocity.....: -0.013  
Initial displacement.....: -0.11

Tran (Chan 3):

Peak acceleration.....: -2.643  
Time of peak acceleration.....: 20.285  
Peak velocity.....: -0.034  
Time of peak velocity.....: 20.3  
Peak displacement.....: 0.282  
Time of peak displacement.....: 58.795  
Initial velocity.....: -0.017  
Initial displacement.....: -0.063

Bent 3 South Column Grnd Level:

Long (Chan 6):

Peak acceleration.....: -3.873  
Time of peak acceleration.....: 25.03  
Peak velocity.....: -0.07  
Time of peak velocity.....: 24.095  
Peak displacement.....: 0.336  
Time of peak displacement.....: 9.515  
Initial velocity.....: 0.022  
Initial displacement.....: 0.214

Tran (Chan 7):

Peak acceleration.....: 8.785  
Time of peak acceleration.....: 24.165  
Peak velocity.....: -0.146  
Time of peak velocity.....: 24.145  
Peak displacement.....: 0.218  
Time of peak displacement.....: 22.41

Initial velocity.....: 0.008  
Initial displacement.....: 0.045

Bent 4 North Column Grnd Level:

Long (Chan 17):

Peak acceleration.....: 2.985  
Time of peak acceleration.....: 28.5  
Peak velocity.....: 0.06  
Time of peak velocity.....: 28.515  
Peak displacement.....: -0.347  
Time of peak displacement.....: 11.95  
Initial velocity.....: -0.024  
Initial displacement.....: -0.17

Tran (Chan 18):

Peak acceleration.....: 3.477  
Time of peak acceleration.....: 25.15  
Peak velocity.....: 0.042  
Time of peak velocity.....: 25.1  
Peak displacement.....: 0.091  
Time of peak displacement.....: 26.36  
Initial velocity.....: -0.004  
Initial displacement.....: -0.045

Bent 4 South Column Grnd Level:

Long (Chan 24):

Peak acceleration.....: 14.366  
Time of peak acceleration.....: 26.57  
Peak velocity.....: 0.226  
Time of peak velocity.....: 27.36  
Peak displacement.....: 0.148  
Time of peak displacement.....: 56.465  
Initial velocity.....: -0.008  
Initial displacement.....: -0.033

Tran (Chan 25):

Peak acceleration.....: 6.969  
Time of peak acceleration.....: 24.97  
Peak velocity.....: -0.125  
Time of peak velocity.....: 27.485  
Peak displacement.....: 0.151  
Time of peak displacement.....: 25.395  
Initial velocity.....: -0.009  
Initial displacement.....: -0.077