



June 6, 2017

Mr. Steve Banks
City of Folsom
50 Natoma Drive
Folsom, CA 95630

Subject: Folsom Heights Development – Future Prima Drive Traffic Noise

Dear Mr. Banks,

Pursuant to your request, Bollard Acoustical Consultants, Inc. (BAC) has conducted an analysis of predicted future Prima Drive traffic noise impacts related to the proposed Folsom Heights Development in Folsom, California. Specifically, BAC utilized peak hour traffic volumes obtained from a traffic study produced by MRO Engineers to predict future Prima Drive traffic noise exposure at the nearest existing and future residences located along that roadway. Utilizing traffic volumes representative of cumulative-plus project conditions, the analysis concluded that future Prima Drive exterior traffic noise levels would be approximately 48 and 43 dB L_{dn} at the outdoor activity areas (backyards) of the nearest residences to the north and south, respectively. The FHWA Model Inputs and results are provided in Attachment A. The predicted future traffic noise levels of 43 and 48 dB L_{dn} at the nearest outdoor activity areas (backyards) would satisfy the applicable City of Folsom 60 dB L_{dn} exterior noise level standard by a wide margin. As a result, we do not foresee any adverse noise impacts resulting from Folsom Heights traffic utilizing Prima Drive.

This concludes BAC's analysis of future Prima Drive noise exposure impacts related to the proposed Folsom Heights Development in Folsom, California. Please contact Paul Bollard at (916) 663-0500 or paulb@bacnoise.com with any questions or requests for additional information.

Sincerely,

Bollard Acoustical Consultants, Inc.

Dario Gotchet
Consultant

**Attachment A
FHWA Traffic Noise Prediction Model (FHWA-RD-77-108)
Noise Prediction Worksheet**

Project Information:

Job Number: 2017-028
Project Name: Folsom Heights
Roadway Name: Prima Drive

Traffic Data:

Year: Cumulative Plus Project
Average Daily Traffic Volume ¹: 1,000
Percent Daytime Traffic: 83
Percent Nighttime Traffic: 17
Percent Medium Trucks (2 axle): 1
Percent Heavy Trucks (3+ axle): 1
Assumed Vehicle Speed (mph): 25
Intervening Ground Type (hard/soft): **Soft**

Traffic Noise Levels:

		-----L _{dn} , dB-----					
Location:	Description	Distance	Offset (dB)	Autos	Medium Trucks	Heavy Trucks	Total
1	Nearest existing backyard - north	100	0	44	36	44	48
2	Nearest proposed backyard - south	200	0	40	32	39	43

Traffic Noise Contours (No Calibration Offset):

L _{dn} Contour, dB	Distance from Centerline, (ft)
75	1
70	3
65	7
60	15

Notes: 1. Future (Cumulative Plus Project Conditions) Prima Drive traffic volumes obtained from noise study produced by MRO Engineers Inc.