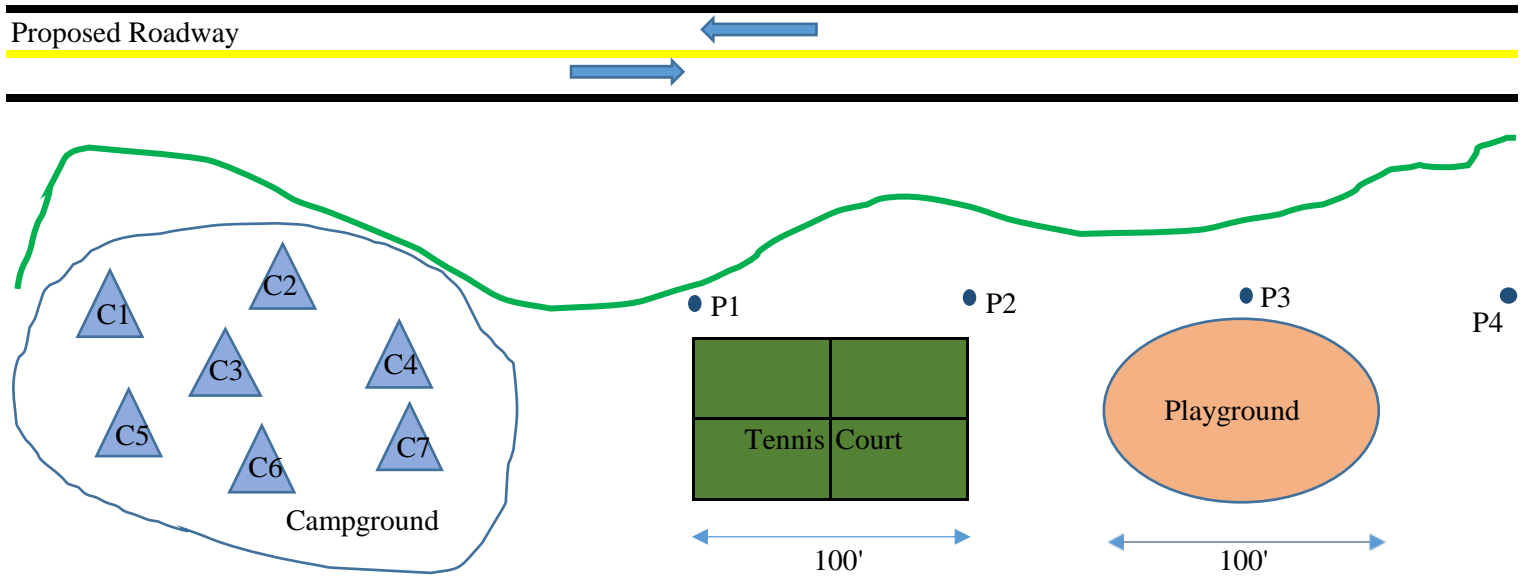


# Noise Impact Analysis Guidance for Section 4(f) Properties Where Quiet is Important (Version 1/26/2021)

This guidance document was created to address noise impact analysis to Section 4(f) resources per 23 CFR 774.15(e) and 23 CFR 774.15(f). The example below demonstrates that the constructive use can occur when the projected noise level increases by more than 3 dBA, hence interferes with the use and enjoyment of a noise sensitive facility- sleeping in a campground area. Note: receivers C1-C7 are where Quiet is important (QII).



Noise Analysis for 4(f) Area Summary

Receiver	FHWA Standards Activity Category	Leq	Existing 2017 Leq	2037 Future No Build Leq	Difference Existing vs No Build Leq	Future Build Leq	Difference Future No Build vs Build Leq
C1	774	67	63.2	65.4	2.2	<b>68.5</b>	<b>3.1</b>
C2	774	67	63.5	65.9	2.4	<b>69.1</b>	<b>3.2</b>
C3	774	67	61.2	62.9	1.7	66.0	<b>3.1</b>
C4	774	67	61.0	62.4	1.4	65.1	2.7
C5	774	67	61.1	62.4	1.3	65.2	2.8
C6	774	67	61.2	62.3	1.1	64.5	2.2
C7	774	67	61.0	62.1	1.1	64.4	2.3

**Build vs. no-build increase exceeds 3dBA**

**XX** Exceed 3 dBA increase per 23 CFR 774.15(e) and 23 CFR 774.15 (f).

**XX** Approach or exceeds 23 CFR 772 and exceeds 3 dBA increase per 23 CFR 774.15 (e) and 23 CFR 774.15 (f).

Notes: Receptors P1 - P4 were determined not to be areas of Section 4(f) where quiet is important.

Green line represents boundary of park