

**From:** [Alcala, Noel](#)  
**To:** [Delev, Edward](#); [Carpenter, Sean](#)  
**Cc:** [Schneider, Erica](#)  
**Subject:** RE: TRU-SR82 PID TBD (Market - SR46) Type II Noise Analysis Report  
**Date:** Tuesday, February 4, 2020 2:38:17 PM  
**Attachments:** [image004.png](#)

This approval email supercedes the previous email. Thanks.

PID TBD

TRU-SR82 PID TBD (E Market Street - SR46) Type II Noise Analysis Report dated January 2020  
This an ODOT decision document. A copy will be uploaded to EnviroNet.

The purpose of the Noise Analysis prepared by EMH&T was to investigate traffic noise levels associated with the Type II communities located in the project area. The Noise Analysis follows FHWA and ODOT guidelines as presented in **23 CFR 772** and **ODOT's Highway Traffic Noise Analysis Manual** dated April 2015. Because the project involves communities that predates the freeway, the project has been designated a Type II Project. A Type II project considers sensitive land uses within 500' of the edge of pavement and focuses on the exterior areas of frequent human use in accordance with FHWA regulations.

The objectives of this noise analysis were to determine if the community would have traffic noise impacts and evaluate traffic noise abatement measures, if impacts were predicted, and if so, if a noise wall meets ODOT criteria for feasibility and reasonableness. The area was predicted to have traffic noise impacts because the Existing Year 2020 noise levels approached or exceeded FHWA NAC noise levels. Because ODOT noise wall criteria for feasibility and reasonableness were met, noise mitigation is recommended for the Laurelwood Drive community. The recommended barrier is a 15-foot tall barrier, 2472' long, located along the SR 46 westbound onramp to westbound SR 82. This barrier is along the EOS and benefits 100% of the impacted receptors and 40 total receptors, all of which are Type II eligible. The average cost per benefitted receptor is \$23,174.

**See recommended noise barrier below that meets ODOT criteria. Please follow the Type II noise wall process flowchart from the link below for next steps. OES accepts the subject Type II noise analysis.**

[http://www.dot.state.oh.us/Divisions/Planning/Environment/NEPA\\_policy\\_issues/NOISE/Manual/Appendices/AppL.pdf](http://www.dot.state.oh.us/Divisions/Planning/Environment/NEPA_policy_issues/NOISE/Manual/Appendices/AppL.pdf)



If you have any questions or concerns, please do not hesitate to contact me by phone or email.

**Noel Alcala, P.E.**

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