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Regulatory Agency Coordination

Federal Highway Administration

Environmental Protection Agency
Why is it Required

Regulations:
- Clean Air Act (amended 1990)
- 40 CFR Parts 51 & 93

Project-Level Guidance:
- Particulate Matter (PM) & Carbon Monoxide Hot-spot Analyses
- Mobile Source Air Toxics (MSAT)

CONFORMITY
Project Information

1. Is the project area in a nonattainment or attainment/maintenance for any criteria pollutants?

2. Is the project included in the transportation improvement program (TIP) or State transportation improvement program (STIP)?

3. Is this a project of local air quality concern?

EPA National Ambient Air Quality Standards (NAAQS) Designations

Criteria Pollutants:
- Carbon Monoxide – CO
- Ozone – O₃
- Particulate Matter – PM₂.₅ & PM₁₀
- Nitrogen Dioxide – NO₂
- Sulfur Dioxide – SO₂
- Lead - Pb
Project Conformity

• Incorporated through the Transportation Strategic Planning process

• Project Level:
  Transportation Improvement Program (TIP) / State Transportation Improvement Program (STIP)

• Primarily Capacity Change Projects

Project of Local Air Quality Concern

![Image of a busy intersection with traffic]

7

8
Noise Abatement

Why is it Required

Code of Federal Regulation
Title 23 Section 772
(23 CFR 772)
Type I Project: Adding a lane

Type I Project: Horizontal change
Type I Project: Vertical change

- Addition or relocation of interchange ramps added of a quadrant to complete an existing partial interchange; or
- Adding a new or substantially altering a weigh station, rest area, ride-share lot, or toll plaza.
- If part of a project is defined as a Type I project then a noise analysis must be conducted for the whole project as defined in the environmental document.
Noise Sensitive Land Uses

- Notification e-mail to PM with data needs
  - Traffic – Traffic Analysis Request (Form #1730)
  - Design plans (alignment and elevations; existing and proposed)
  - Survey out to about 300’ - 500’ depending on project area characteristics
- PM hires a consultant
- Analysis will take 4 to 6 months depending on the project characteristics, need for abatement, and the weather
Noise Analysis Process

- Land use identification
- Impact analysis
- Abatement analysis
- Documentation and public involvement
- Noise contours report for local officials

Noise Abatement

- Walls – Concrete post and panel
- Earth berms
- Earth berm/wall combinations
Things You Should Know

• After the CE Classification, no additional noise abatement will be considered unless there are substantial changes affecting abatement during design
• No sound insulation for residential buildings
• Cannot accept third party funds to make abatement reasonable
• Vegetation must be deep, dense, and tall to provide noise reduction.

I-75 over Goddard Road, City of Allen Park
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Thank You