



Proposed Non-Radioactive Hazardous Material Transport Route

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Purpose

Receive a presentation regarding a proposed non-radioactive hazardous materials transport route and hold a public comment period to receive comments regarding the proposed route.



Non-Radioactive Hazardous Materials (NRHM) Transport Routes

- NRHM routes are to direct thru-traffic carrying hazardous materials. Does not preclude the delivery of hazardous materials to delivery points.
- Intended to minimize the potential of a spill or incident and resulting negative impacts
- It is common for Texas cities and counties to have a NRHM route within their jurisdictional areas
 - Conroe
 - Lubbock
 - New Braunfels (See Example)
 - Temple
 - San Antonio, Houston, Dallas

<https://www.txdot.gov/data-maps/reference-maps/non-radioactive-hazardous-materials.html>



Materials designated as hazardous under the Federal hazardous materials transportation law (49 CFR, III, Ch 51, Section 5103):

- Explosives
- Infectious substances
- Flammables
- Combustible liquids, solids, and gases
- Toxic substances
- Hazardous wastes

Hazardous Materials Classes & Commonly Transported Example Materials

Class 1
Explosives

Class 2
Gases

Class 3
Flammable Liquids

Class 4
Flammable Solids, Spontaneously Combustible, & Dangerous When Wet

Class 5
Oxidizer and Organic Peroxide

Class 6
Toxic (Poisonous), Inhalation Hazard, & Infectious Substances

Class 7*
Radioactive

Class 8
Corrosive

Class 9
Miscellaneous

Common Examples
Ammunition, Fireworks,
Air bag inflators

Common Examples
Fire extinguishers, Propane,
Carbon dioxide

Common Examples
Paints, Alcohols,
Gasoline

Common Examples
Matches, Sulfur,
Oily fabrics

Common Examples
Hydrogen peroxide, Chlorates,
Ammonium nitrate fertilizers

Common Examples
Medical waste, Dyes,
Biological specimens

Common Examples
Acids, Batteries,
Iodine

Common Examples
Dry ice, First aid kits,
Vehicles

*Note: Although Class 7 radioactive materials are considered hazardous, they are not included in an NRHM route designation study.



Proposed NRHM Transport Route

Required (and funded) by the Edwards Aquifer Habitat Conservation Plan (EAHCP) and Incidental Take Permit issued by U.S. Fish and Wildlife Service.

5.3.4 Prohibition of Hazardous Materials Transport Across the San Marcos River and Its Tributaries

Hazardous materials transported by truck across the watershed of the San Marcos River and its tributaries presents the possibility of accidental spills or releases into the environment. The limited geographic distribution of the endangered species at San Marcos Springs could cause the species to be highly impacted by such a spill.

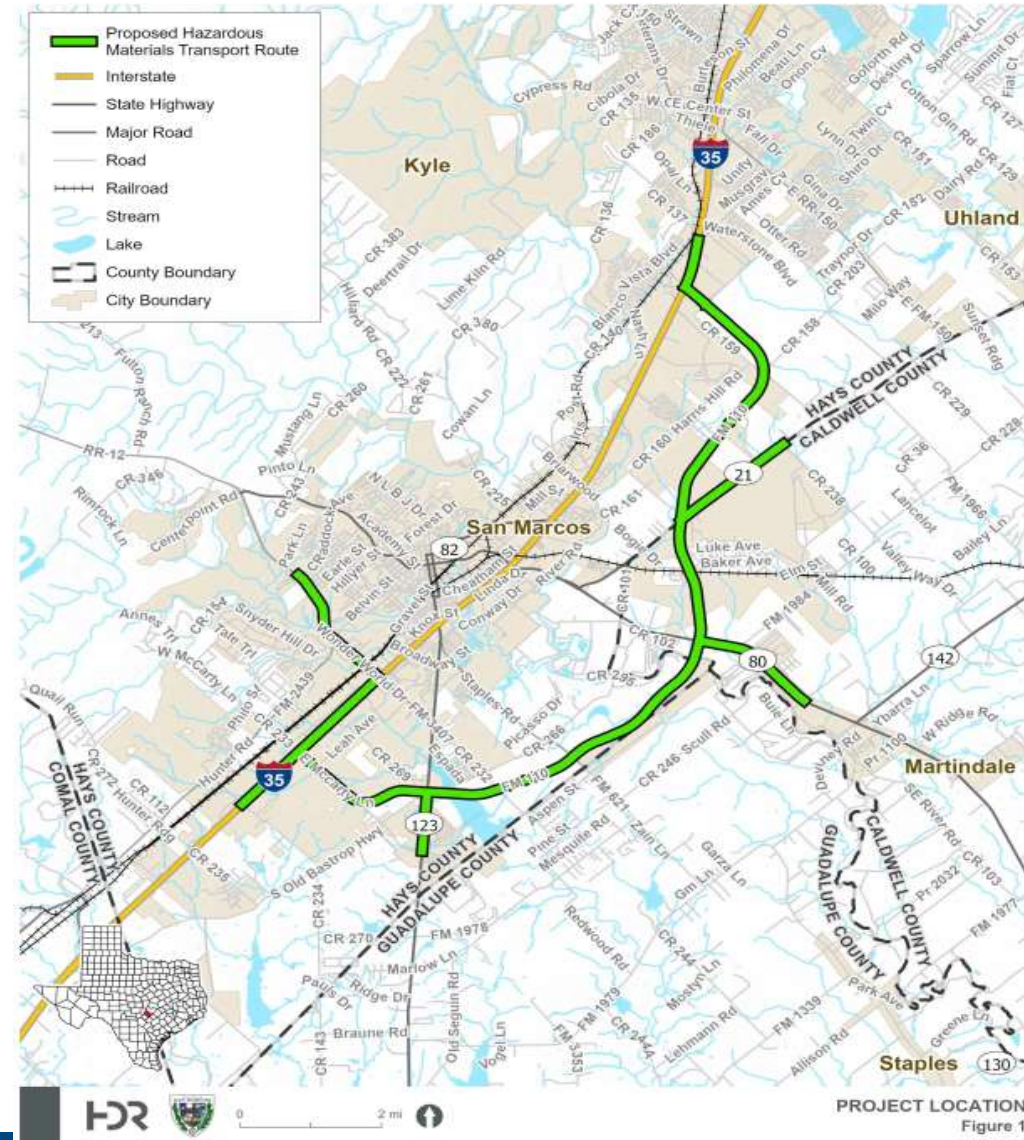
The City of San Marcos will coordinate with the Texas Department of Transportation to designate hazardous materials routes which minimize the potential for spills entering the San Marcos River. This effort will include legislation, if necessary, and additional signage.

The proposed route may also help to protect public safety (i.e. decreased likelihood of incidents, river user exposure to potential spilled hazardous materials, etc) sanmarcostx.gov

Proposed NRHM Transport Route

The proposed route would require all vehicles carrying hazardous cargo travel through the City of San Marcos via FM110 to their intended point of exist rather than travel on local streets or IH-35 through the center of town.

May include prohibited local road usage for point-of-delivery routes into SM, if desired, although not currently proposed.





Proposed NRHM Transport Route

The proposed route is anticipated to increase travel time and mileage for hazmat transporters

Table 1. Current and Proposed Estimated Travel Times for NRHM Freight Vehicles

Ingress and Egress Points	Fastest Route	NRHM Proposed Route
I-35 North bound and South bound	13 minutes (15 miles)	24 minutes (20 miles)
SH 21 to North I-35	14 minutes (8 miles)	14 minutes (8 miles)
SH 21 to South I-35	16 minutes (12 miles)	18 minutes (13 miles)
SH 80 to North I-35	12 minutes (10 miles)	12 minutes (10 miles)
SH 80 to South I-35	13 minutes (9 miles)	13 minutes (9 miles)
SH 123 to North I-35	16 minutes (14 miles)	21 minutes (16 miles)
SH 123 to South I-35	6 minutes (4 miles)	6 minutes (4 miles)
RR 12 to North I-35	17 minutes (14 miles)	26 minutes (20 miles)
RR 12 to South I-35	13 minutes (7 miles)	13 minutes (7 miles)



Proposed Non-Hazardous Materials Transport Route Designation Process

The process involves coordination with Texas Dept of Transportation (TXDOT) and must follow federal (Federal Highway Administration) and state (TXDOT) guidelines:

- ✓ Initial Outreach to TXDOT District Office and political subdivisions within 25 miles radius. No comments received.
- ✓ Route Analysis and Proposal Report (completed)
- Local Public Hearing (**Today**)
- Proposal submission to TXDOT
- TXDOT public notification in TX Register & agency coordination
- TXDOT Coordination with other States
- Formal TXDOT Approval
- Adoption of designated route by City Council
- Submittal of signage design to TXDOT for approval
- Signage installations (sign design and installation to be funded by EAHCP)

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Questions?