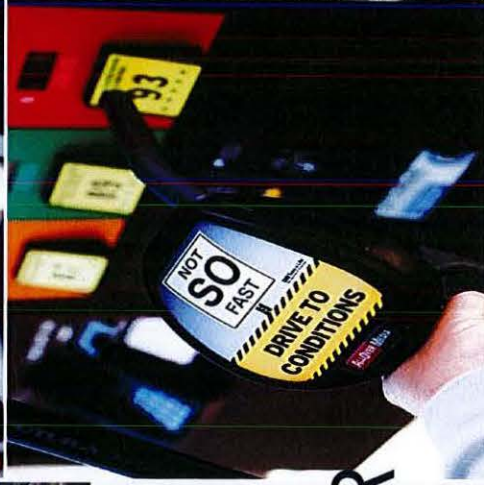
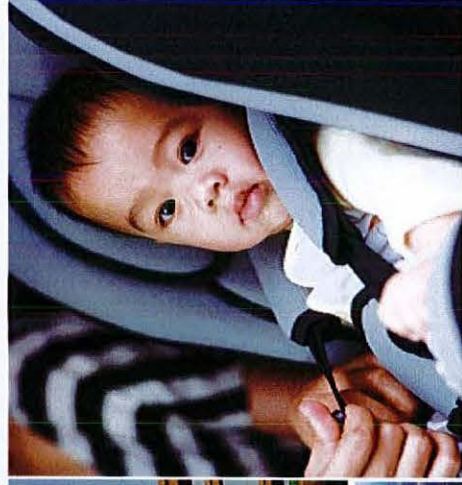
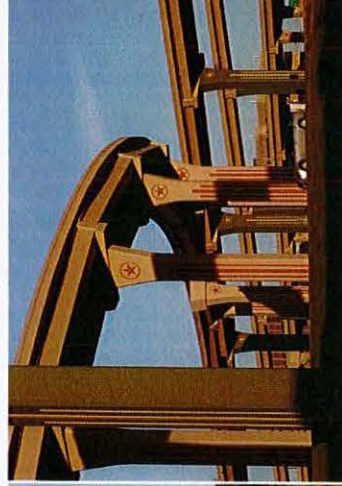




TEXAS DEPARTMENT OF TRANSPORTATION



HIGH OCCUPANCY
VEHICLE (HOV) LANE FOR
FM1472 (MINES RD)

Background

- **Increase in congestion.**
- **Benefits of recent investment in construction project to widen the road will be greatly reduced.**
- **Reducing capacity for truck traffic will increase queues and therefore reducing safety.**
- **Historically, traffic has been increasing at a rate of 5% per year**
- **Trucks account for 12 – 60% of traffic.**
- **TxDOT does not have any non-freeway HOV lanes.**
- **Adding a third lane was identified by TI as mitigation.**

High Occupancy Vehicle (HOV) Lane For FM 1472 (Mines Rd)

SHORT TERM STRATEGIES TO IMPROVE TRAFFIC CONDITIONS ON FM 1472 (MINES ROAD) – TTI Project 409217 (February 2016)

Percent Trucks in AM, Noon, and PM Peak Traffic
Volumes at Intersections along FM 1472.

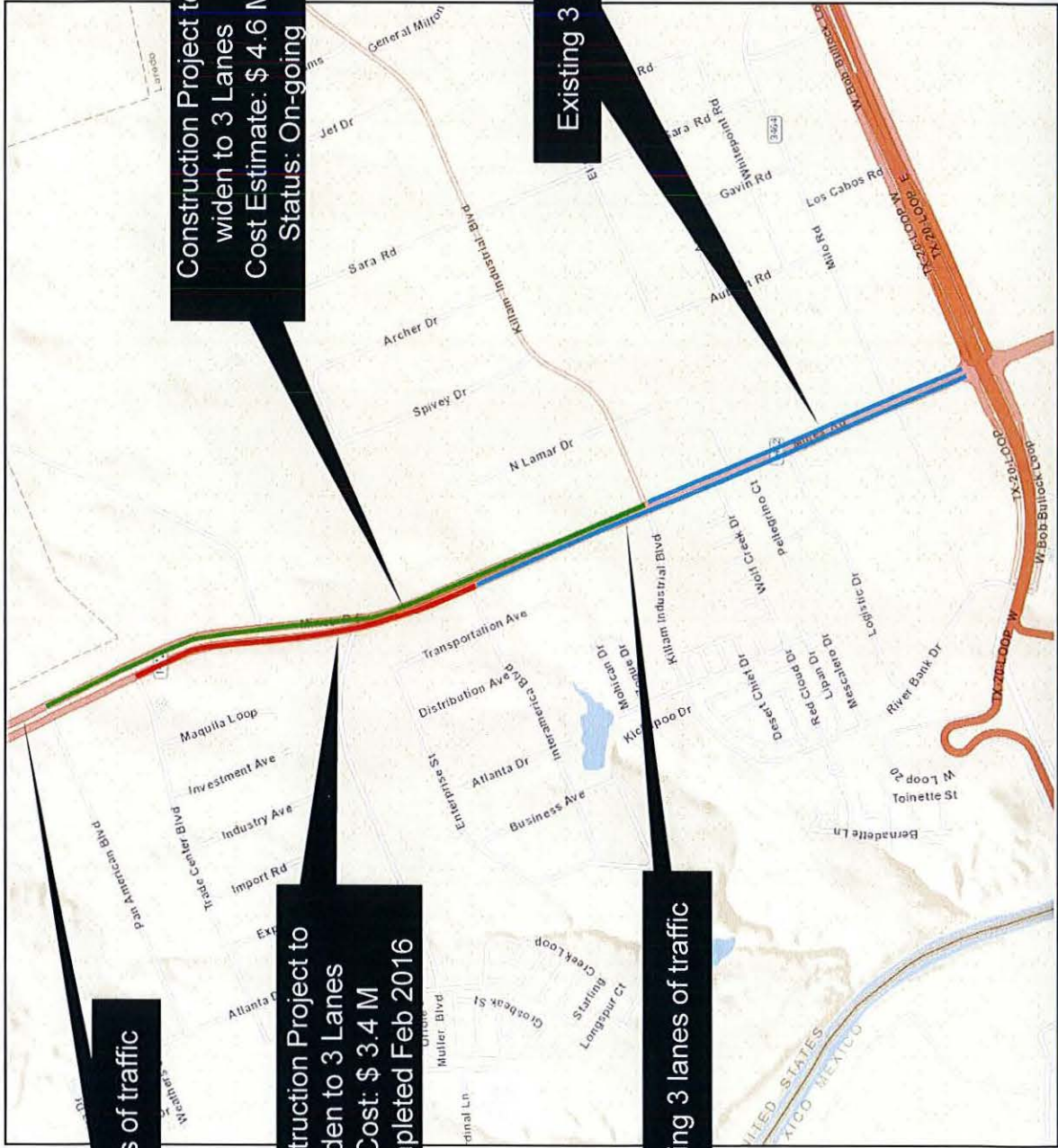
Intersection	Percent Trucks		
	AM	Noon	PM
Con-Way Truckload Facility	20	N/A	40
Pan American Boulevard	24	N/A	45
Trace Center Boulevard	23	57	42
A F Muller Boulevard	18	N/A	37
Interamerica Boulevard	18	N/A	40
Killam Industrial Boulevard	19	51	34
Pellegrino Court	14	60	57
Old Milo Road	16	N/A	37
Loop 20 Eastbound Frontrage Road	12	36	24
Loop 20 Westbound Frontrage Road	13	45	40

High Occupancy Vehicle (HOV) Lane For FM 1472 (Mines Rd)

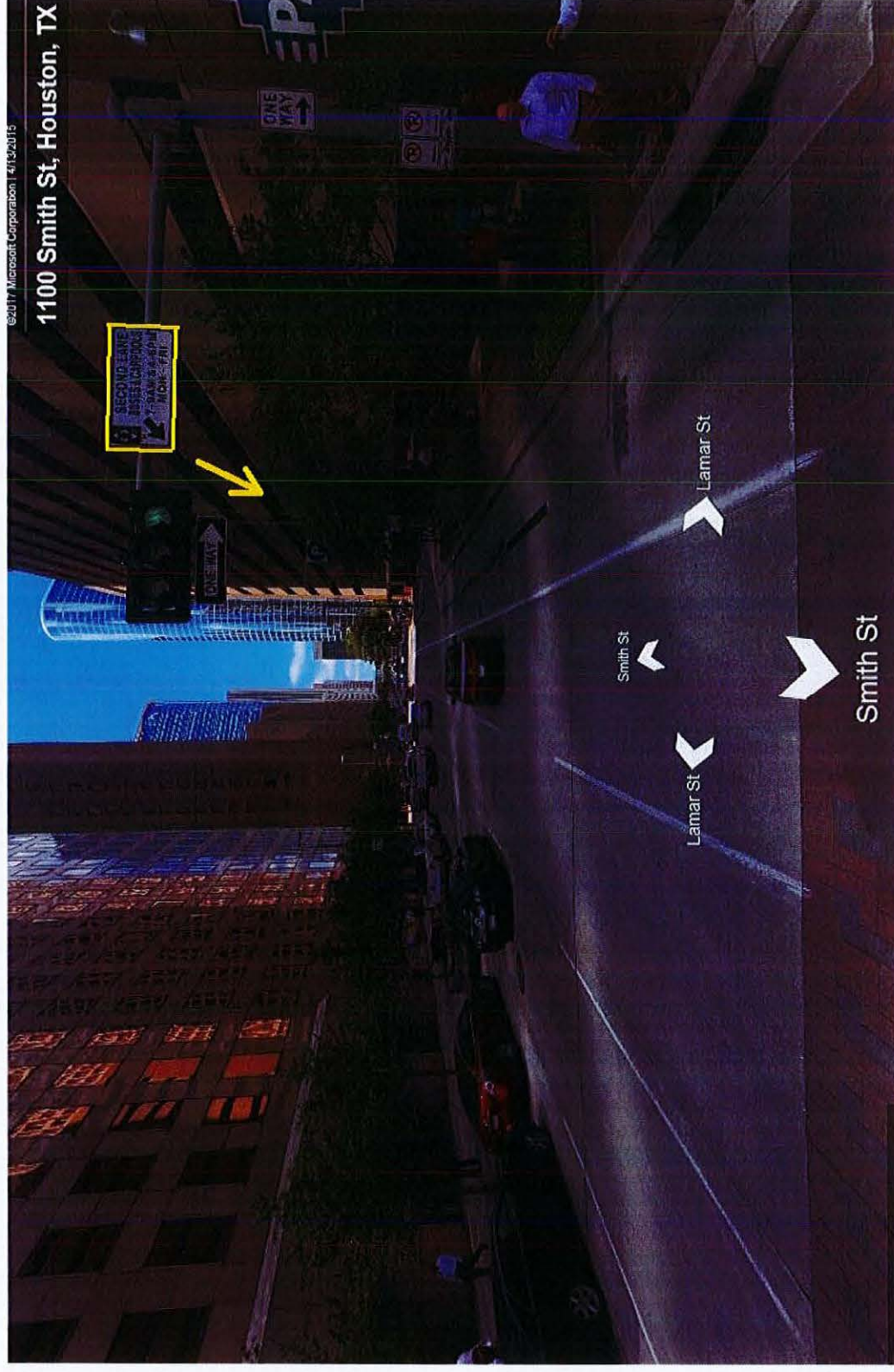
Potential Medium-Range Strategies

Location	Medium-Range Strategy
Pan American Boulevard	<ul style="list-style-type: none">• Add dual EB to SB right-turn lanes• Add third SB through lanes south of Pan American Boulevard to A F Muller Intersection.• Add length to NB to WB left-turn lanes.• Optimize signal timing and phasing as needed.
Trade Center Boulevard	<ul style="list-style-type: none">• Add dual EB to SB right-turn lanes.• Extend the length of the left-turn lanes. The length
AF Muller Boulevard	<ul style="list-style-type: none">• Replace existing signalization intersection with a superstreet intersection configuration.• Optimize signal timing and phasing as needed.
Interamerica Boulevard	<ul style="list-style-type: none">• Add third SB through north of Interamerica Boulevard to A F Muller Boulevard.• Provide dual EB to SB right-turn lanes.• Optimize signal timing and phasing as needed.
Killam Industrial Boulevard	<ul style="list-style-type: none">• Add third NB through lane between Killam Intersection and Interamerica Intersection.• Provide dual WB to SB left-turn lanes.• Provide WB to NB free right-turn lane.• Provide dual SB to EB left-turn lanes.• Provide SB to WB free right-turn lane.• Provide dual EB to NB left-turn lanes.• Provide dual NB to WB left-turn lanes.• Optimize signal timings and phasing as needed.

High Occupancy Vehicle (HOV) Lane For FM 1472 (Mines Rd)



High Occupancy Vehicle (HOV) Lane For FM 1472 (Mines Rd)



High Occupancy Vehicle (HOV) Lane For FM 1472 (Mines Rd)

Texas Transportation Code

Sec. 545.0651. RESTRICTION ON USE OF HIGHWAY.

(a) In this section:

(1) "Commission" means the Texas Transportation Commission.

(1-a) "Department" means the Texas Department of Transportation.

(2) "Highway" means a public highway that:

(A) is in the designated state highway system;

(B) is designated a controlled access facility; and

(C) has a minimum of three travel lanes, excluding access or frontage roads, in each direction of traffic that may be part of a single roadway or may be separate roadways that are constructed as an upper and lower deck.

(b) The commission by order may restrict, by class of vehicle, through traffic to two or more designated lanes of a highway. If the lanes to be restricted by the commission are located within a municipality, the commission shall consult with the municipality before adopting an order under this section. A municipality by ordinance may restrict, by class of vehicle, through traffic to two or more designated lanes of a highway in the municipality.

(c) An order or ordinance under Subsection (b) must allow a restricted vehicle to use any lane of the highway to pass another vehicle and to enter and exit the highway.

Texas Transportation Code

Sec. 545.0651. RESTRICTION ON USE OF HIGHWAY.

(d) Before adopting an ordinance, a municipality shall submit to the department a description of the proposed restriction. The municipality may not enforce the restrictions unless the department's executive director or the executive director's designee has approved the restrictions.

(e) Department approval under Subsection (d) must:

- (1) be based on a traffic study performed by the department to evaluate the effect of the proposed restriction; and*
- (2) to the greatest extent practicable, ensure a systems approach to preclude the designation of inconsistent lane restrictions among adjacent municipalities.*

Texas Transportation Code

Sec. 545.0653. RESTRICTION ON USE OF HIGHWAY IN MAINTENANCE OR CONSTRUCTION WORK ZONE.

(a) *In this section:*

- (1) *"Commercial motor vehicle" has the meaning assigned by Section 48.001.*
- (2) *"Construction or maintenance work zone" has the meaning assigned by Section 472.022.*
- (3) *"Department" means the Texas Department of Transportation.*
- (4) *"Executive director" means the executive director of the department.*

(b) *The executive director or the executive director's designee may restrict a commercial motor vehicle to a specific lane of traffic in a construction or maintenance work zone for a highway that is part of the state highway system if the executive director or the executive director's designee determines that, based on a traffic study performed by the department to evaluate the effect of the restriction, the restriction is necessary to improve safety.*

(c) *The department shall erect and maintain official traffic control devices necessary to implement and enforce a lane restriction imposed under this section. A lane restriction may not be enforced until the appropriate traffic control devices are in place.*

Texas Transportation Code

Sec. 545.0653. RESTRICTION ON USE OF HIGHWAY IN MAINTENANCE OR CONSTRUCTION WORK ZONE.

- (d) The executive director or the executive director's designee may rescind a lane restriction imposed under this section at any time that the executive director or the executive director's designee determines that the restriction is no longer necessary to improve safety.*
- (e) A lane restriction imposed under this section expires when the lane that is subject to the restriction is no longer in a construction or maintenance work zone.*
- (f) The department shall remove traffic control devices erected under this section if the lane restriction is rescinded under Subsection (d) or expires under Subsection (e).*