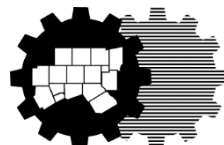


City of Lancaster Truck Route Evaluation

Regional Freight Advisory Committee
May 10, 2022



Dylan Hernandez, Transportation Planner
NCTCOG Transportation Department

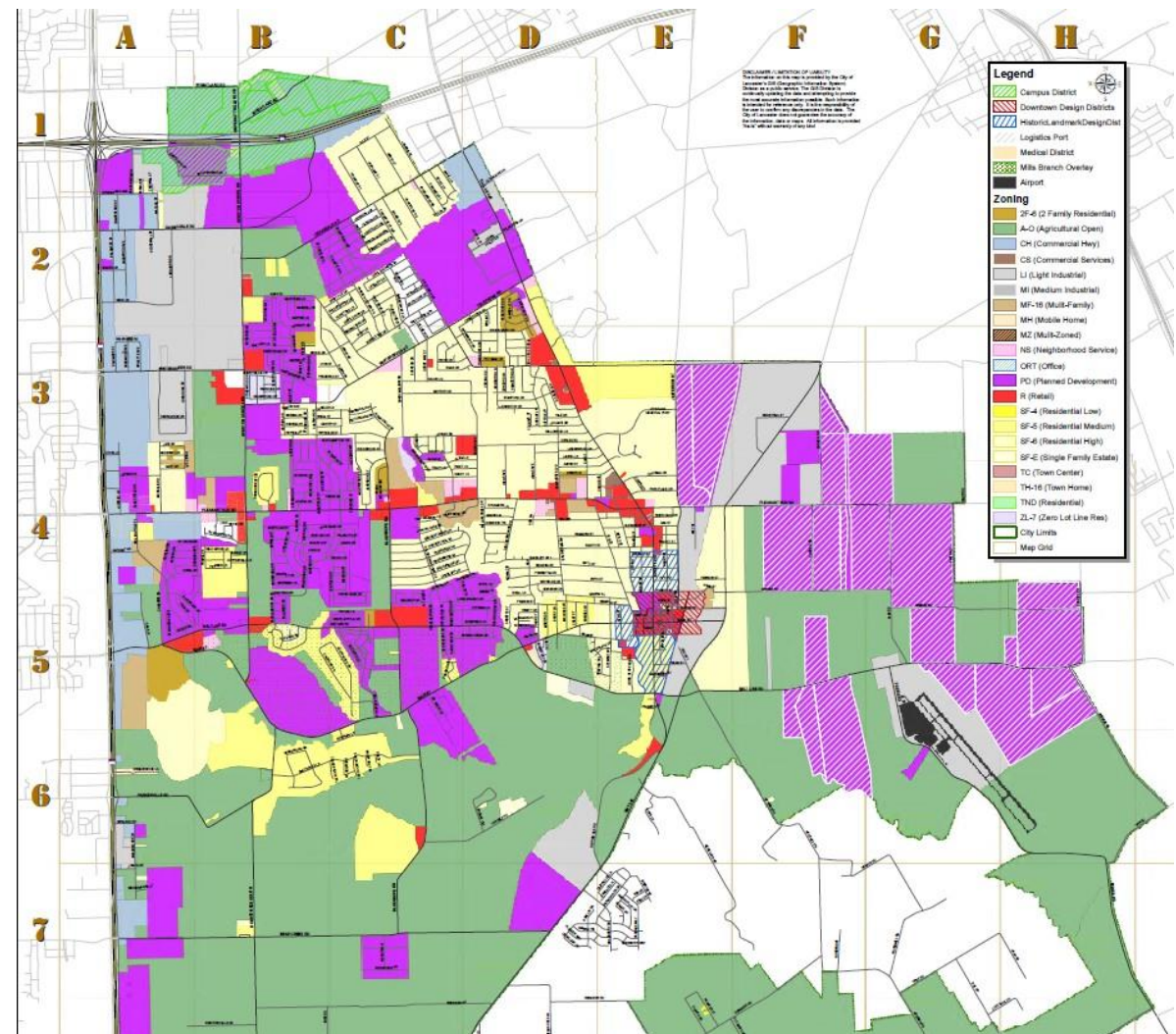


CITY OF LANCASTER

Major Employment Industries:

- Goods Manufacturing
- Freight Distribution
- Logistics
- Public Education
- Local Government

A Freight Focused Community



CITY OF LANCASTER FREIGHT TRANSPORTATION

Federal and State Freight Highway Connections:

- IH 20
- IH 35E
- IH 45 (City of Wilmer)
- SH 342
- SL 9 (Future)

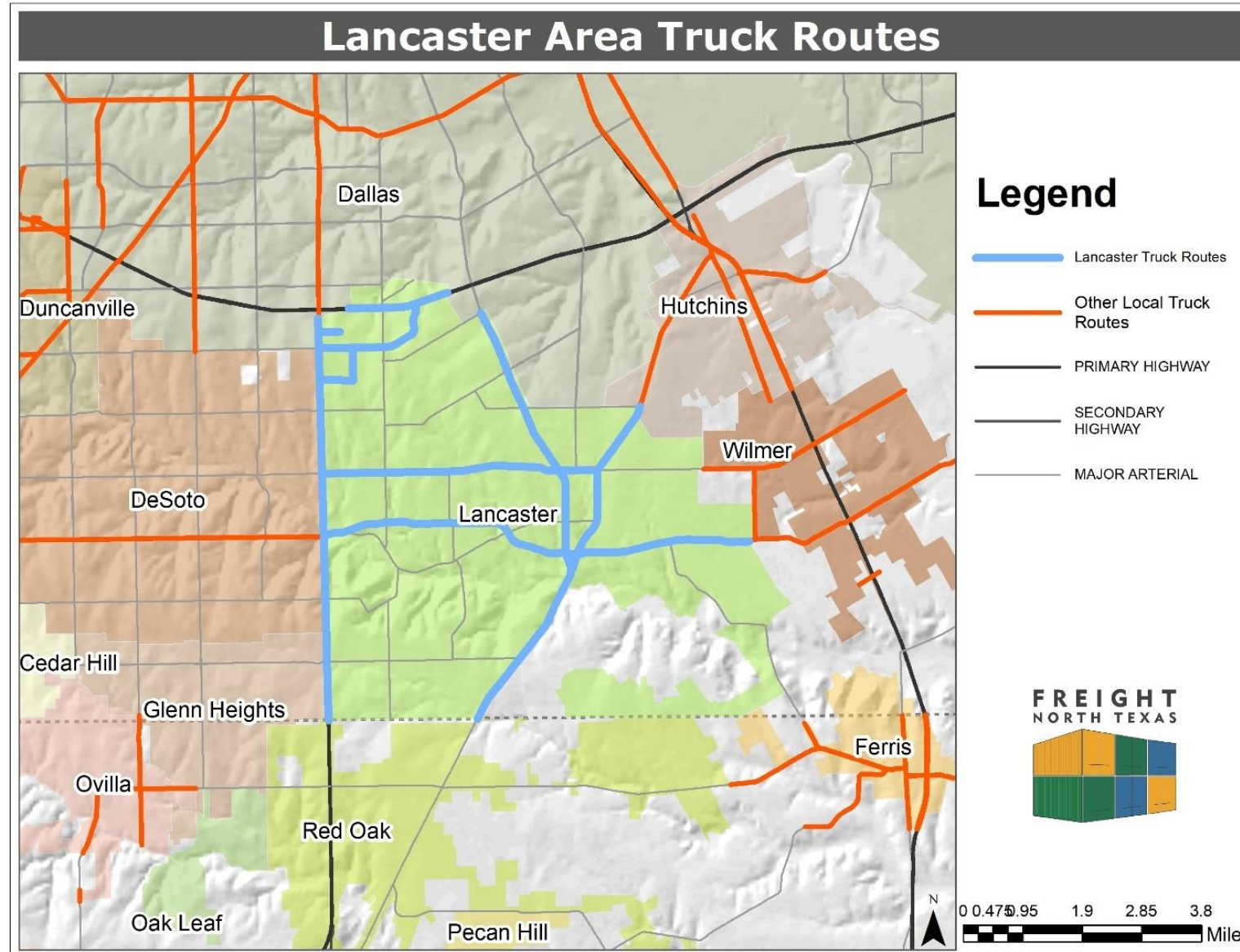
Rail Connections:

- UP Intermodal Hub (City of Wilmer)
- BNSF

City of Lancaster Truck Routes

International Inland Port of Dallas (IIPOD)

CITY OF LANCASTER TRUCK ROUTES



REVIEWED TRUCK ROUTES

Road	Status
Danieldale Road	Current Truck Route
Springfield Avenue	Current Truck Route
North Longhorn Drive	Current Truck Route
West Drive	Current Truck Route
Pleasant Run Road	Current Truck Route
Belt Line Road	Current Truck Route
IH 35E and IH 35E Service Roads	Current Truck Route
IH 20 and IH 20 Service Roads	Current Truck Route
Lancaster-Hutchins Road	Current Truck Route
State Highway 342	Current Truck Route
Houston School Road	Potential Truck Route
Wintergreen Road	Potential Truck Route
Sunset Road	Potential Truck Route
Cedardale Road	Potential Truck Route
State Loop 9	Future Truck Route

TRUCK ROUTE EVALUATION

Site Visit

Traffic Congestion Analysis

Safety & Traffic Incident Analysis

Land-Use Analysis

Lancaster Code of Ordinances

Community Profile & Economic Data

TRUCK ROUTE EVALUATION SAMPLE

Danieldale Road



<i>Route Breakdown</i>	
Route Description	<ul style="list-style-type: none"> ❖ Begins at IH 20 service road west and extends to IH 35E service road. Total Length ~ 2.91 Miles
Route Limits	<ul style="list-style-type: none"> ❖ IH 20 and IH 35E
Attributes	<ul style="list-style-type: none"> ❖ Critical Urban Freight Corridor ❖ Existing roadway in good condition ❖ Roadway design accommodates truck traffic ❖ Several freight-oriented developments are currently vacant along this roadway. Traffic will increase once these facilities are leased. ❖ Single lane traveling in both directions ❖ Speed Limit: 30-40 MPH
Recommendation	<ul style="list-style-type: none"> ❖ Lancaster has preserved right-of-way along this corridor. This right-of-way should be used for additional lanes with truck resilient curbs to accommodate additional truck traffic. ❖ Road extension (IH 20 north to Campus District Village Center). ❖ Road extension (IH 20 north across East Wheatland Road extension). ❖ Keep as a truck route.

EVALUATION RECOMMENDATIONS

Truck Routes Recommendations

- Designate Houston School Road as a truck route
- Designation from freight focused segments of Wintergreen Road as truck routes
- Add signage to SH 342 near the downtown area to encourage truck traffic to utilize other municipal roads such as Lancaster-Hutchins Road
- Remove Truck Route Designation from Springfield Road
- Direct truck traffic away from Dizzy Dean Road

EVALUATION RECOMMENDATIONS

Additional Recommendations

- Utilize Freight-as-a-Good-Neighbor strategies to better integrate freight facilities into surrounding land uses
- Lancaster is encouraged to coordinate with industry professionals, neighboring municipalities, and local, regional, and state transportation agencies when establishing truck routes and regulations
- Continue signing or adding additional signage to truck routes so the truck route network is more easily identified

TRUCK ROUTES OF THE FUTURE

Integrating Emerging Technologies into the Local Transportation Network

New technologies such as automated vehicles, unmanned aerial vehicles, and electric vehicles will play a bigger role in freight transportation

In order to embrace these new technologies and the benefits they can provide, municipalities should enhance their infrastructure to accommodate automated vehicles and other new modes of transportation as they are integrated into local freight networks

Lancaster is encouraged to prepare their truck route network for these new modes of transportation and additional training for law enforcement as these technologies bring about further challenges and opportunities for the city and the region

QUESTIONS

CONTACT INFORMATION

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