

NASHVILLE AREA MPO - REGIONAL FREIGHT STUDY

FAST ACTION PROJECTS

PROJECT # 1	BEECHCROFT ROAD (SR 247) AT CSX CROSSING
SOURCE	MOTOR CARRIER SURVEY
LOCATION	MAURY COUNTY (SPRING HILL, TN)
JURISDICTION	T.D.O.T. / CITY OF SPRING HILL
PROBLEM	CURRENT AT-GRADE RAILWAY CROSSING CAUSES TRAFFIC DELAYS AS A RESULT OF ITS DESIGN. DELAY CAUSED BY TRAIN BLOCKING CROSSING FOR EXCESSIVE AMOUNTS OF TIME. CITY OF SPRING HILL HAS PENDING LITIGATION WITH CSX REGARDING THIS ISSUE.
PROPOSED ACTIONS	AWAIT RESULTS OF PENDING LITIGATION. CONSIDER POSSIBLE I.T.S. SOLUTION TO ADVISE APPROACHING MOTORISTS' TO SEEK ALTERNATIVE ROUTES IF LITIGATION DOES NOT RESOLVE THE TRAFFIC PROBLEM.



Looking west on Beechcroft Road (Hwy 247)



Location Map



Looking east on Beechcroft Road (Hwy 247)



Advance warning sign on Beechcroft Road (Hwy 247) eastbound

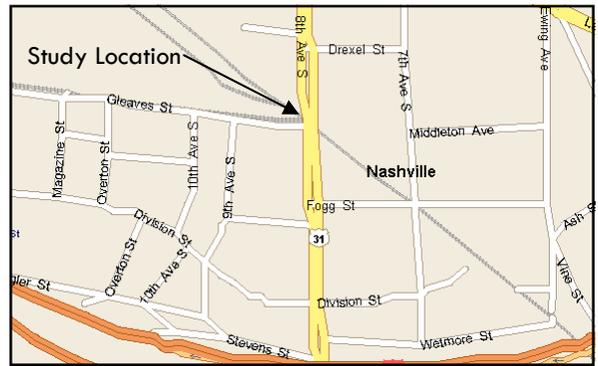
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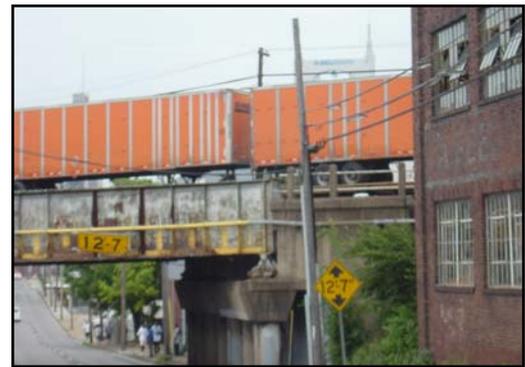
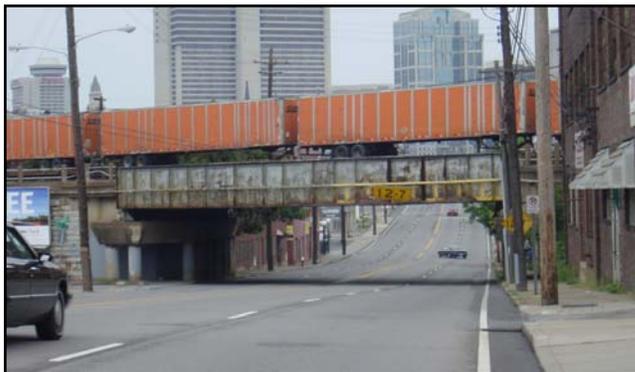
PROJECT #2	8TH AVENUE RAIL BRIDGE
SOURCE	MOTOR CARRIER SURVEY
LOCATION	DAVIDSON COUNTY (NASHVILLE, TN)
JURISDICTION	T.D.O.T.
PROBLEM	DESIGN ATTRIBUTES OF THE BRIDGE CREATE INADEQUATE HEIGHT CLEARANCE FOR TRUCKS.
PROPOSED ACTIONS	<p>INTERIM SOLUTION: STUDY TO DETERMINE THE FEASIBILITY AND DESIGN PARAMETERS FOR THE INSTALLATION OF A VEHICLE HEIGHT DETECTION SYSTEM IN ADVANCE OF OVERPASS IN BOTH DIRECTIONS TO WARN OF CLEARANCE PROBLEMS.</p> <p>LONG-TERM SOLUTION: DETERMINE FEASIBILITY OF IMPROVING CLEARANCE HEIGHT BY LOWERING ROADWAY SECTION.</p>



Eight Avenue South looking south at railroad overpass



Location Map

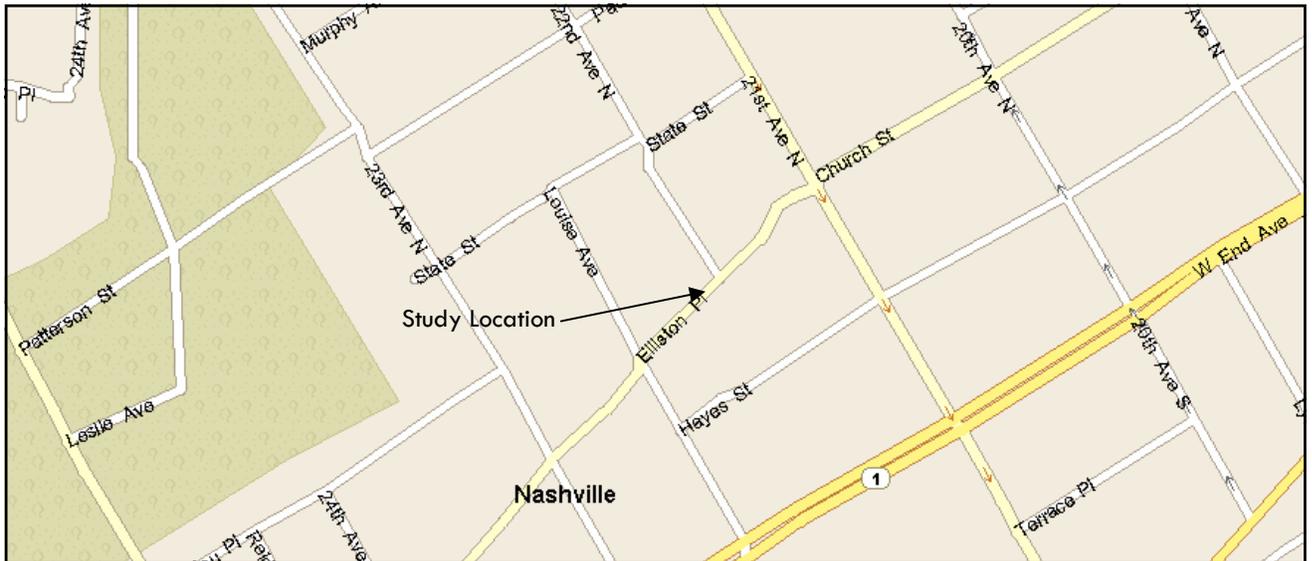


Eight Avenue South looking north at railroad overpass looking south on

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FAST ACTION PROJECTS

PROJECT #3	ELLISTON PLACE
SOURCE	MOTOR CARRIER SURVEY
LOCATION	DAVIDSON COUNTY (NASHVILLE, TN)
JURISDICTION	METROPOLITAN GOVERNMENT
PROBLEM	DELIVERY TRUCKS OFTEN PARK IN THE (CENTER) TURNING LANE TO UNLOAD. THIS CAUSES REDUCED SERVICE OF THE ROADWAY SPECIFICALLY WHEN MULTIPLE VEHICLES NEED USE OF THE TURNING LANE.
PROPOSED ACTIONS	CONDUCT A STUDY TO DETERMINE IF ALTERNATE LOADING ZONE AREAS CAN BE IDENTIFIED, COORDINATE WITH VENDORS, STORE OWNERS AND METRO PUBLIC WORKS.



Location Map



Looking east on Elliston Place



Elliston Place looking west

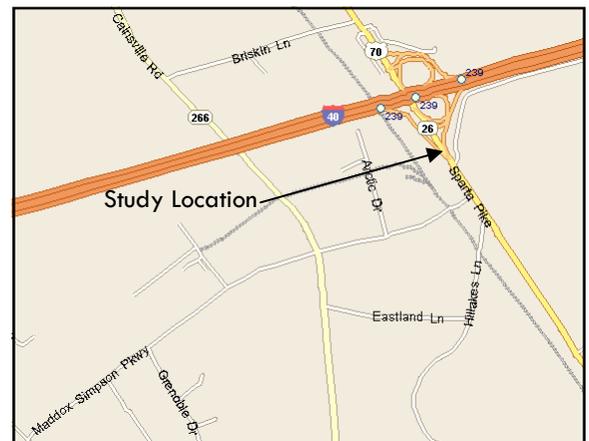
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FAST ACTION PROJECTS

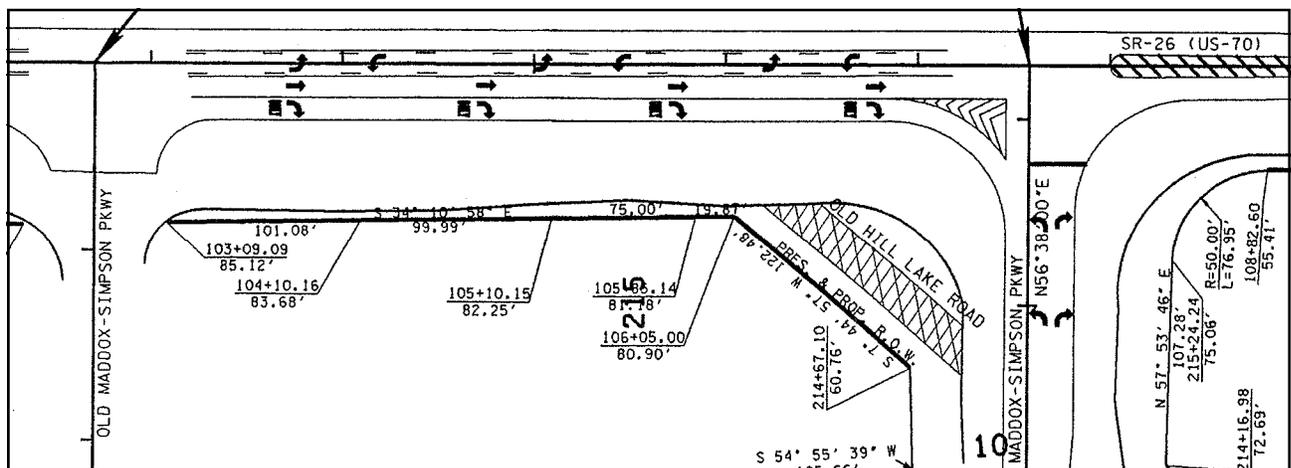
PROJECT #4	LEBANON AND WATERTOWN: EXIT 239
SOURCE	MOTOR CARRIER SURVEY
LOCATION	WILSON COUNTY (LEBANON, TN)
JURISDICTION	T.D.O.T.
PROBLEM	VEHICLES COMING DOWN THE OFF-RAMP OF EXIT 239 ATTEMPTING TO MERGE WITH THRU TRAFFIC HAVE GREAT DIFFICULTY. TRUCKS ARE NOT ABLE TO TURN LEFT DUE TO CONGESTION IN THE AREA. THE PROBLEM INCREASES DURING PEAK HOURS.
PROPOSED ACTIONS	MPO HAS IDENTIFIED A PROJECT IN THE TRANSPORTATION IMPROVEMENT PROGRAM (TIP) TO RELOCATE MADDOX-SIMPSON PARKWAY (SR-26). THE PROPOSED IMPROVEMENT WILL SOLVE TRAFFIC PROBLEMS BY PROVIDING SUFFICIENT SEPARATION BETWEEN THE I-40 EXIT RAMP AND MADDOX SIMPSON PKWY. TDOT IS CURRENTLY SELECTING A CONSULTANT AND THE PROJECT WILL SOON BE UNDER ENGINEERING DESIGN.



Exit ramp from I-40 onto Sparta Pike (SR-26 /US-70)



Location Map



Concept Plan from TDOT to relocate Maddox Simpson Pkwy approximately 500 feet to the south along Sparta Pike

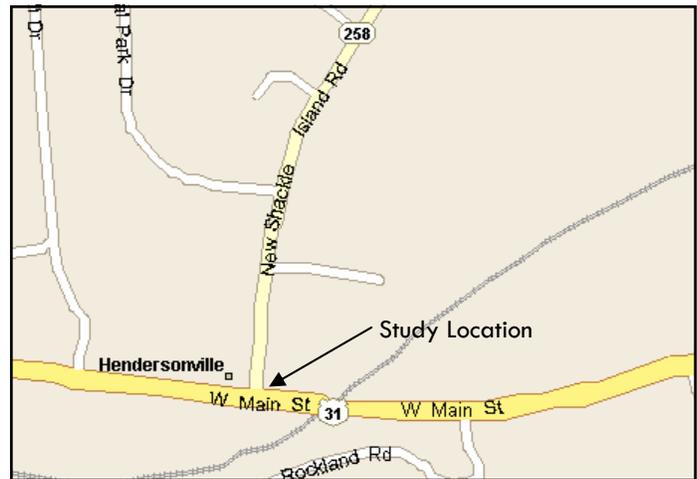
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FAST ACTION PROJECTS

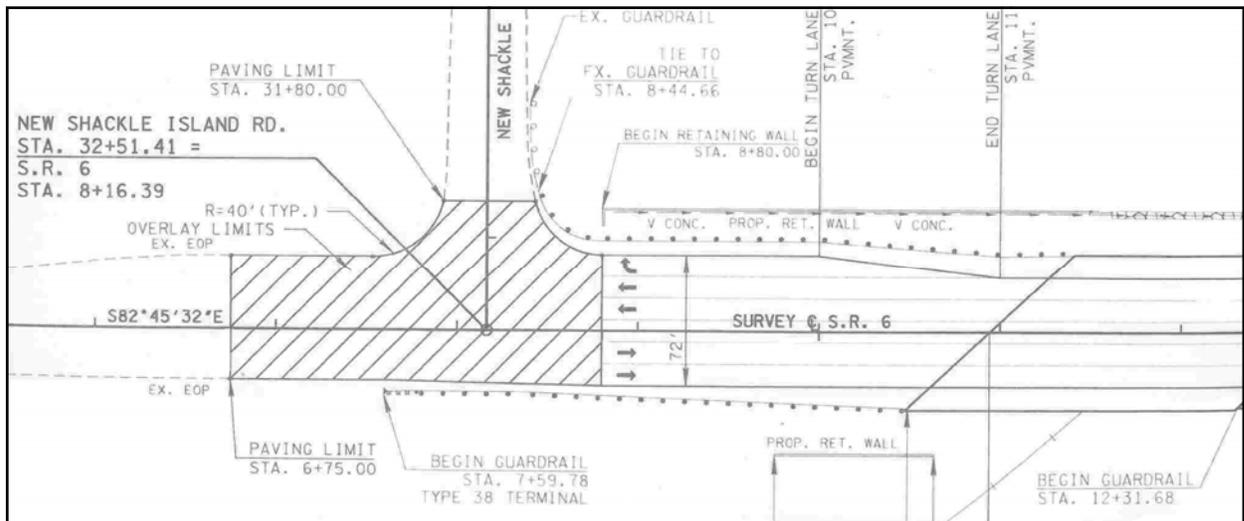
PROJECT #5	NEW SHACKLE ISLAND RD. AT GALLATIN RD. (US HWY 31)
SOURCE	MOTOR CARRIER SURVEY
LOCATION	SUMNER COUNTY (HENDERSONVILLE, TN)
JURISDICTION	T.D.O.T.
PROBLEM	A NEW TURN LANE IS NEEDED GOING RIGHT. THE RAIL LINE IS SEEN AS BEING TOO CLOSE TO THE ROAD.
PROPOSED ACTIONS	T.D.O.T PROJECT CURRENTLY UNDER CONSTRUCTION TO REPLACE BRIDGE, WIDEN ROADWAY, AND INSTALL A NEW WESTBOUND RIGHT TURN LANE.



Photo looking west on Highway 31
(Prior to Start of Construction)



Location Map



Copy of TDOT plan to install a right turn lane from Gallatin Road onto New Shackle Island Road

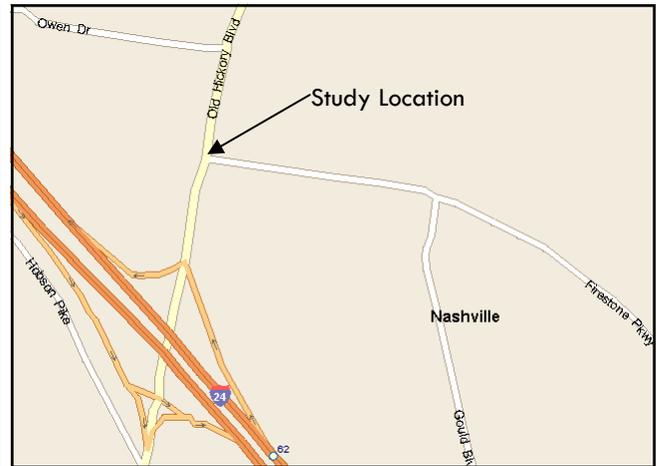
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FAST ACTION PROJECTS

PROJECT #6	OLD HICKORY BOULEVARD AT FIRESTONE PKWY
SOURCE	MOTOR CARRIER SURVEY
LOCATION	DAVIDSON COUNTY (NASHVILLE, TN)
JURISDICTION	T.D.O.T.
PROBLEM	EXTREMELY DIFFICULT TO EXIT INDUSTRIAL PARK DUE TO COMBINED TRUCK AND CAR TRAFFIC. (INTERSECTION CAPACITY ISSUES DURING PEAK TRAFFIC PERIODS)
PROPOSED ACTIONS	CONDUCT STUDY TO CONSIDER GEOMETRIC IMPROVEMENTS TO INTERSECTION TO PROVIDE ADDITIONAL CAPACITY. A CONCEPT WOULD BE TO PROVIDE AN ADDITIONAL THROUGH LANE ON OLD HICKORY BOULEVARD IN ADVANCE OF THE INTERSECTION AND TO PROVIDE A DUAL LEFT TURN FROM FIRESTONE PKWY AS SHOWN BELOW.



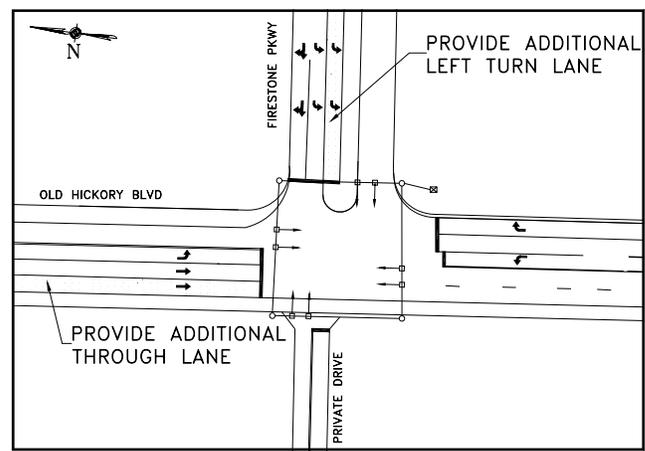
Old Hickory Boulevard looking southbound



Location Map



Looking east from private driveway at Firestone Pkwy



Sketch of potential geometric improvements