



Memorandum

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Date: February 3, 2010

CC: Jeff McKerrow
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TranSystems Project No.: P101080286

Subject: U.S. 56 Corridor Study – Truck Projections
KDOT Project No. 56-106 KA-1496-01 CMS:006091032

TranSystems has prepared an estimate of truck projections for the design year of 2040 for the U.S. 56 Corridor Study. These projections were developed using a methodology similar to the one used to estimate total future traffic volumes for the project. First, excluding the BNSF Logistics Park project, truck volumes along the entire U.S. 56 study corridor were assumed to grow from 2009 to 2040 (background growth) at the same annual rates that were derived from historical growth trends of total traffic. The annual growth rates range from 1.3% per year in the Gardner area to 2.1% per year near Baldwin City. Next, truck projections for the BNSF Logistics Park project were extracted from the Gardner Travel Demand Model that was prepared by HDR, Inc. Slight adjustments were made to the model distributions to conform to previous approved studies of the BNSF facilities. Future year 2040 truck projections were estimated by adding the background growth and model growth to existing truck volumes. These projections were rounded and summarized below in *Table 1*.

Table 1 Truck Projections						
Location	Existing		Truck Growth		2040 Projections	
	ADT	Trucks	Background	BNSF	ADT	Trucks
I-35 to Moonlight	25,000	795	391	652	47,000	1,800
Moonlight to Center	17,500	270	133	681	37,500	1,100
Center to Waverly	9,000	270	158	732	30,000	1,200
Waverly to 199th	4,900	270	158	60	4,800	500
199th to Edgerton Road	4,900	270	158	417	12,000	800
Edgerton Road to K-33	4,700	270	214	417	6,500	900
K-33 to 1900 Road	4,600	260	206	417	5,500	900
1900 Road to 6th Street	7,500	280	253	417	14,000	1,000
6th Street to 1600 Road	7,500	280	253	417	14,000	1,000
1600 Road to U.S. 59	4,900	280	222	417	7,500	900

Please contact us should you have any questions.