

2035 Level of Service and Daily Traffic Flow

This document provided by Jamie Kenworthy.

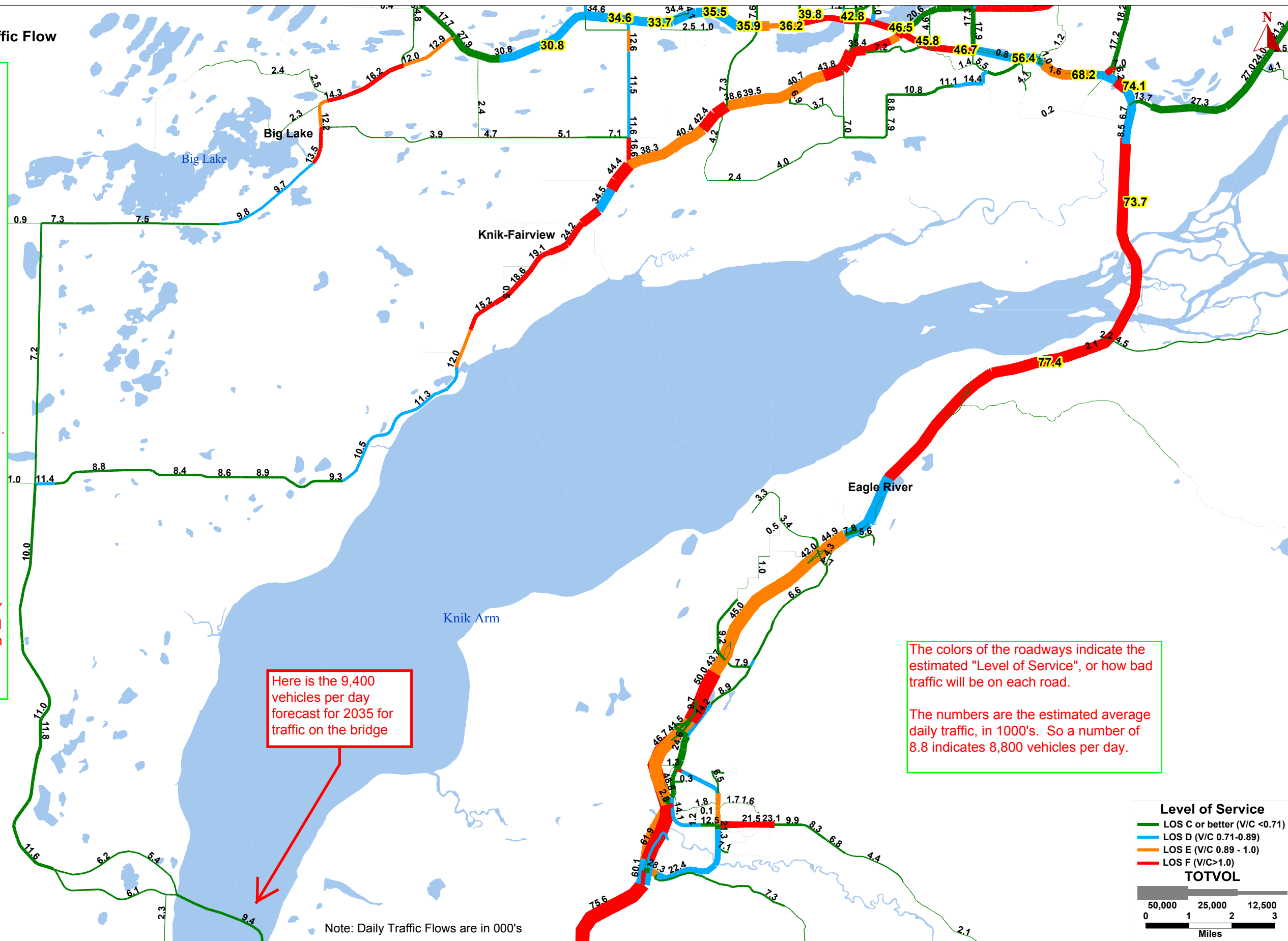
This map was created by HDR to estimate traffic counts for the Wasilla Bypass project, and was obtained through a Public Records Act request to DOT&PF. The map shows 9,400 vehicles a day (lower left corner) crossing a tolled Bridge in 2035. KABATA's last traffic estimate was 36,000 trips a day in 2035. The HDR number is 74% lower than KABATA's 36,000 number. The traffic estimate on the Knik Arm Bridge done for the 2009 Highway to Highway project (ISER data modeled by Ch2MHill was 17,700 vehicles a day.)

In providing this data, DOT&PF stated that they consider this 9,400 vehicles a day number as misleading since it was only done to model numbers for the Wasilla Bypass and is not a regional forecast. However, this number was based on updated population, household, and employment data from the April 2010 Census and Alaska Department of Labor data. HDR then used the latest actual traffic counts to correlate and update the traffic model used. Jamie Kenworthy thinks this is the latest and best estimate for the traffic on the proposed Knik Arm Crossing because it was based on the latest census data, included socioeconomic input from local stakeholders including realtors & business leaders, and represents professional traffic modeling work.

What happens when tolls are 74% less than what KABATA projected? The 26,600 vehicles a day difference between HDR and KABATA in traffic forecast in 2035 represents over \$250,000 PER DAY or \$90 Million in that year. (Based on a \$7.80 car toll and \$28 commercial vehicle toll (toll costs taken from KABATA's financial plan) for the year 2035. The toll deficits in earlier years would be higher, because of the lower volume of traffic.

Here is the 9,400 vehicles per day forecast for 2035 for traffic on the bridge

The colors of the roadways indicate the estimated "Level of Service", or how bad traffic will be on each road.
The numbers are the estimated average daily traffic, in 1000's. So a number of 8.8 indicates 8,800 vehicles per day.



Level of Service

- LOS C or better (V/C < 0.71)
- LOS D (V/C 0.71-0.89)
- LOS E (V/C 0.89 - 1.0)
- LOS F (V/C > 1.0)

TOTVOL

50,000 25,000 12,500

0 1 2 3

Miles