



Department of Public Works
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5 Mar 20

TO: Zoning Board of Adjustment
FROM: Jeremy Clay - Assistant Director of Public Works
SUBJECT: C&D on Industrial Blvd

I have some concerns regarding the proposal for a new C&D company located on Industrial Blvd. They are proposing 50-70 loaded tractor trailers per day. According to NH DOT each loaded tractor trailer is the equivalent to 26,000 passenger cars. Using the average of 60 tractor trailers per day, which equates to 1.56 million cars per day (CPD). To give you a reference, Washington Street carries 25,000 (CPD) and Charlestown Road carries 20,000 CPD. A road capable of carrying 1.5M CPD must be engineered, built and maintained to interstate specifications. That means 12" of solid base material, 8" of asphalt, 8' shoulders and drainage. The average cost of that type of construction is roughly \$1M/mile. That doesn't include changing the right of way for each landowner (assuming the two 8' shoulders and moving each ditch line out from the centerline will impact them).

The trucks will have to get to Industrial Blvd somehow. Coming from Charlestown, they would travel River Road (state owned) to Plains to Industrial (.75 mi). If the trucks are coming from Cornish, they have to cross the bridge at the intersection of route 12A and 103/12 (.6 mi). If the trucks are overloaded, they have to pay an \$850 fee for the state police to escort them across the bridge. Otherwise, they'll track down 103/12 to Plains road and cross that bridge which is already on the state red list for the decking. If they did cross the Coy Paper Bridge, we'd be looking at routing them up Plains (2.88 miles). If that's not an option, they'll come down Main St to Union, Mulberry, West Pleasant to Maple Ave to Plains (5.6 mi). Of course, routing 60 trucks down Maple Ave, in front of the school is not something I would recommend.

Altogether, we'd have to improve almost 10 miles of roadway. We simply don't have \$10,000,000 to make those changes. Even if they were directed to take the River Road to either Plains or Ainsworth, the City would still need to make 5,078' of repairs, which is almost \$1,000,000.

Thank you for hearing our concerns.

//Signed//
Jeremy R. Clay
Assistant Director of Public Works
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