

December 4, 2023

Adams County Planning & Development Division  
4430 South Adams County Parkway, 1<sup>st</sup> Floor, Suite W20000A  
Brighton, CO 80601

Re: Wright Farms Metropolitan District  
First Amendment to Service Plan – Traffic Impact Letter

Dear Adams County Planning & Development Division,

The law firm of Erb Law, LLC. represents the Wright Farms Metropolitan District (the “**District**”), a special district located in unincorporated Adams County, State of Colorado. Erb Law lacks expertise in traffic matters. The numerical figures presented in this letter are approximate, derived from research and interactions with various waste services providers. This traffic letter is provided in support of the Wright Farms Service Plan Amendment.

## **Introduction**

The District desires to amend its Service Plan to provide collection and transportation of trash and recycling for District residents. Currently, District residents independently hire trash collection service providers to dispose of their trash and recycling. As a result, trash and recycling trucks are within the District multiple days each week, increasing noise and truck congestion in the District.

If the proposed Service Plan Amendment is approved, the District will contract with a single trash and recycling services provider to provide trash and recyclable material collection and transportation to District residents. This service is estimated to require two trash trucks one day each week to collect and transport solid waste and two recycling trucks one day every other week to collect and transport recyclable material. These services will be provided to approximately 1,400 single-family properties within the District. This traffic impact letter outlines the traffic impact of the District providing trash services to its residents in accordance with its proposed Service Plan Amendment.

## **Objective**

This traffic impact letter will provide information regarding the impact associated with the District’s provision of trash collection and transportation services on:

1. Street wear and maintenance;
2. Air quality;
3. Noise; and
4. Neighborhood aesthetics.

## Analysis<sup>1</sup>

### 1. Street Wear and Maintenance.

#### a. Existing Conditions.

Trash trucks are typically the heaviest vehicles regularly operating on residential streets, with an average weight of 51,000 pounds. Currently, approximately five trash trucks come to the District each week to collect and transport trash and recycling outside the District. This equates to 255,000 pounds of trash trucks operating within the District each week. This weight has a significant impact on street wear and related maintenance in the District and throughout the State of Colorado.

#### b. Conditions if Service Plan Amendment is Approved.

The number of days with trash trucks within the District would reduce from five days each week to two days each week, consequently reducing the weight of operating trash trucks within the District from 255,000 pounds/weekly to 102,000 pounds/weekly, decreasing street wear and maintenance.

### 2. Air Quality/Vehicle Emissions.

#### a. Existing Conditions.

Currently, five trash trucks operate within the District and transport the trash and recycling they collect to different landfills within the State of Colorado. Using the Carbon Emission Calculation, these five trash trucks operating in the District generate as much as 0.5 metric tons of CO<sub>2</sub>/week<sup>2</sup>.

#### b. Conditions if Service Plan Amendment is Approved.

By reducing the number of trash trucks in the community from five per week to two per week, CO<sub>2</sub> emissions would be reduced from 0.5 metric tons of CO<sub>2</sub>/week to 0.2 metric tons of CO<sub>2</sub>/week.

### 3. Neighborhood Aesthetics.

#### a. Existing Conditions.

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<sup>1</sup> Information regarding current trash and recycle traffic provided from discussions with District residents. Information regarding anticipated trash and recycle traffic obtained from discussions with a potential trash and recycle service provider.

<sup>2</sup> The Carbon Emission Calculation is the equation the Environmental Protection Agency uses to calculate greenhouse gas emissions.

Presently, five trash trucks operate within the District on different days, each using different trash bins. Therefore, trash bins are on the street every day within the District.

b. Conditions if Service Plan Amendment is Approved.

Using a single trash service provider will allow for improved aesthetics via standardized trash containers and a reduction in the number of days on which trash containers are on the street pending or following trash pickup.

4. Noise.

a. Existing Conditions.

The average noise of a trash truck collecting and transporting trash ranges from 85-100 decibels. Therefore, District residents are experiencing noise levels of 85-100 decibels for at least two hours every day each week, for a total of ten hours.

b. Conditions if Service Plan Amendment is Approved.

On average, if two trash trucks and two recycling trucks handle trash collection and transportation within the District two days per week as projected, District residents will encounter 100 decibels of noise for approximately 4 hours a week, an overall reduction of 6 hours.

5. Safety.

a. Existing Conditions.

Five trash trucks operating within a residential neighborhood every day during the week produces a substantial safety concern for District residents, both pedestrians and for local traffic.

b. Conditions if Service Plan Amendment is Approved.

Reduced number of hours and days on which trash truck operate within the District will reduce the risk of accidents caused by truck traffic to both local traffic and pedestrians within the community.

**Trip Generation Summarization.**

	<b>Number of Trips/Week/Month</b>	<b>Time and Length of Trips</b>
<b>If the District Exclusively Provides Trash Services Per</b>	Two trash trucks per week on a single day.	Trash trucks are expected to provide services for approximately four hours per week.

<b>the Proposed Service Plan Amendment</b>	Two recycling trucks every-other-week on a single day.	Recycling trucks are expected to provide services for approximately four-hours, every other week.
<b>Current residential trash collection system</b>	One trash truck per day, five days a week. -  Five recycling trucks per day, five days a week.	Trash and recycling services last approximately two hours per service.

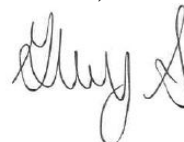
**Conclusion**

In light of the findings presented in this traffic impact letter, the proposed Service Plan Amendment, if approved, will lead to a notable reduction in street wear and maintenance, carbon emissions, and noise, and enhance neighborhood aesthetics and general safety resulting in a net benefit for District residents.

Please feel free to contact me to discuss further or with any questions or concerns.

Sincerely,

ERB LAW, LLC



Glory Schmidt, Esq.

Cc: Jeffrey E. Erb, Esq.