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MEMORANDUM

TO: Jon Giampietro, Taco, Inc.
CC: Bob Kelliher
FROM: Jan Greenwood
DATE: January 26, 2023
RE: Parking and Traffic Summary
Taco, Inc. Proposed Manufacturing and Warehouse Facility
35 Carlsbad Street, Cranston, RI

This memorandum describes the parking and traffic changes that are expected to result from the construction and operation of Taco's proposed manufacturing and warehouse facility. The existing and proposed parking and truck traffic conditions are described below, with these conclusions:

- The project will provide sufficient parking to support the existing employees and visitors and the projected additional 16 employees.
- The project will result in a negligible change in truck traffic with only one additional tractor trailer round trip per day from Route 10, plus six box truck round trips between the existing and proposed facility.

PARKING

Existing Conditions

A total of 393 parking spaces are available for employees and visitors in two locations. The Burnham lot, located on the southeast corner of the Cranston Street/Burnham Avenue intersection has 149 parking spaces. The Carlsbad lot, which is on the southern end of the proposed facility site, has 244 parking spaces. Storage for trailers is provided in a separate gated area on the northern end of the proposed facility site.

Taco currently employs 207 manufacturing and warehouse employees in three shifts at the 1160 Cranston Street facility. The first shift is the largest with 123 employees. The shifts do not overlap. Taco's management staff work on site and remotely on a flexible schedule. Visitors include attendees at occasional training events hosted at Taco's Training Center. Understanding the variability in the number of employees and visitors on site, Taco evaluated their parking needs across several data points with the result that on average, 227 parking spaces are in use, leaving 166 parking spaces available each day.

Proposed Conditions

An additional 16 employees are anticipated to work in the proposed facility. Assuming all are on the first shift, a total of 243 parking spaces would be required.



The existing parking at the Carlsbad lot will be demolished and 156 new parking spaces (including 6 handicap spaces) will be constructed such that there will be a total of 305 spaces available for employees and visitors. This will provide an additional 62 spaces above the average, which is more than enough to accommodate the fluctuation in need, including the occasional 20-person training event. Storage for trailers will be provided along the rear lot line parallel to the truck route.

TRUCK TRAFFIC

Existing Conditions

An average of 22 trucks per day arrive and leave Taco's facility at 1160 Cranston Street on Monday through Friday. Occasionally, operations and trucking extend into Saturday. While the manufacturing facility operates 24 hours per day, the warehouse hours are more limited. Receiving hours are from 6AM to 2PM. Peak hours for incoming trucks are between 7AM to noon. Shipping hours are 6AM – 6PM with peak hours for outbound trucks between 2PM and 5PM.

Of the $22 \pm$ trucks per day, all but one will usually dock on the north side of the building, and one will dock on the south side. About 90% of the trucks are tractor trailers that arrive from Route 10 and approach from the east on Carolina Street, take a left onto Carlsbad Street and a right onto Field Street. They reverse this route when they exit. The other 10% of trucks are box trucks, such as FedEx, that have local-based hubs and take local routes.

Proposed Conditions

Overall, there will be very little change in truck traffic. Approximately 5 of the 22 daily trucks will be routed directly to the proposed facility instead of the existing facility. Arriving from Route 10, they will travel south on Carlsbad Street to Burnham Avenue, take a left onto Burnham Avenue and another left into the new truck entrance. They will exit the new facility onto Carolina Street and take a right to the highway. One additional tractor trailer truck per day is planned to enter the new facility, and approximately 6 box truck trips would transfer cargo from the existing facility to the new facility.

Truck traffic will occur mainly between 6AM and 6 PM with peak receiving hours from 7AM to noon. Peak shipping hours will be between 2PM and 5PM.