

**RE: Applicant's autoturn: 500 Harvard: follow up**

Schrenker, Brandon &lt;BSchrenker@walkerconsultants.com&gt;

Wed 3/31/2021 2:54 PM

**To:** Maria Morelli <mmorelli@brooklinema.gov>**Cc:** James D. Fitzgerald <jdf@envpartners.com>; Jane R. Davis <jrd@envpartners.com>; Garvin, Emily <EGarvin@walkerconsultants.com>; Stadig, Art <AStadig@walkerconsultants.com>; Schrenker, Brandon <BSchrenker@walkerconsultants.com>

Maria,

Few quick comments:

1. Their analysis is consistent with what we found from a quick run accessing the middle the spot, which is 6 maneuvers (forward / backward) to turn around. As I mentioned, we needed to run 8 maneuvers to access the outside spaces.
2. The vehicle parameters they're using are relatively similar to what we ran (we run a vehicle that is the 85% percentile of vehicle on the road, similar to a Buick Enclave). There are some minor differences, but again we're getting similar results.
3. How this relates to an ADA van: Most (not all) ADA vans in use are converted minivans. There's obviously a range of sizes, but for example a Chrysler Pacifica, Dodge Grand Caravan, Honda Odyssey are all similar lengths and widths to what was run.
4. Only point I do think is worth noting is that they're showing the vehicle basically tapping the walls. We would typically suggest a min. 6" offset envelope from the vehicle, preferably 12", as most people will not be willing to tap their bumpers every time they park. But again, getting similar results.

So ultimately I think it confirms what we already basically knew. You can turn a car around in that space in 4 to 8 maneuvers depending on vehicle size, and there's nothing that explicitly says you can't do this, but it's a difficult / atypical maneuver. There is the risk of whether someone reviewing from an ADA perspective would consider it equivalent access, but that's the developer's risk (please note that we're parking consultants, not ADA consultants, so not experts on whether this is high potential / low potential for an issue, but this is just what we've gathered from our experience). I would assume ultimately the developer would like to provide a better accessible parking space in this area, but obviously space is limited with all the other program on-grade / limit site size.

Hope this helps, any additional questions please let me know.

Thanks,

**Brandon C. Schrenker, PE**  
Project Manager

20 Park Plaza, Suite 1202 | Boston, MA 02116  
D 857.362.0326 | O 617.350.5040 | M 617.352.1771  
[www.walkerconsultants.com](http://www.walkerconsultants.com) | [Blog](#) | [Facebook](#) | [LinkedIn](#) | [Twitter](#)

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**From:** Maria Morelli <mmorelli@brooklinema.gov>**Sent:** Wednesday, March 31, 2021 1:56 PM**To:** Schrenker, Brandon <BSchrenker@walkerconsultants.com>**Cc:** James D. Fitzgerald <jdf@envpartners.com>; Jane R. Davis <jrd@envpartners.com>; Garvin, Emily <EGarvin@walkerconsultants.com>; Stadig, Art <AStadig@walkerconsultants.com>**Subject:** Applicant's autoturn: 500 Harvard: follow up