

MEMORANDUM

TO: Joe McCormack; Allison Camp; Ernie Turner; Tom Schwetz; Kelly Hoell; Hart Migdal
FROM: Sasha Luftig, Lane Transit District
SUBJECT: MovingAhead – Maintenance Facility needs based on MovingAhead (MA) Alternatives
DATE: October 11, 2016

Assumptions:

- There are 4 existing bays with hoists that can serve 60-foot buses and BRT vehicles
- One additional bay will have a hoist added (assumed in existing LTD plans) to make a total of 5 bays with hoists that can serve 60-foot buses and BRT vehicles
- BRT vehicles require on average 3 times more maintenance than 60-foot buses
- Each of the 5 bays has capacity to serve approximately 21 60-foot buses, or 7 BRT vehicles (or some combination of both)
- There is no concern about capacity for maintenance of 40-foot buses
- The maintenance facility footprint can be expanded to add 2 (possibly 3) additional bays with hoists that can serve 60-foot buses and BRT vehicles
- Converting exiting 40-foot maintenance bays to 60-foot maintenance bays is not preferred because the existing 40-foot bays cannot be converted to drive-thru bays

Vehicles ¹	Existing Conditions	MA No-Build Alternative ³	Existing Capacity ⁴	Capacity with 2-bay expansion ⁵	MA Full EmX Alternatives Build Out ⁶
40-foot buses	69	69	N/A	N/A	61
60-foot buses	15	20	21	21	12
BRT vehicles	18 ²	24	28	42	44

¹Vehicle counts include spares

²Existing Conditions include BRT vehicles for WEE but not Main Street

³The split between 40-foot and 60-foot buses is a rough estimate and would likely be modified based on service needs

⁴Existing capacity could be a different combination of 60-foot buses and BRT vehicles

⁵ Capacity with 2-bay expansion could be a different combination of 60-foot buses and BRT vehicles

⁶ The split between 40-foot and 60-foot buses is a rough estimate and would likely be modified based on service needs

- LTD would need to expand the maintenance facility to add 2 maintenance bays with the addition of approximately 11 more BRT vehicles to the fleet
- Expansion of the maintenance facility to add 2 bays with hoists that can serve 60-foot buses and BRT vehicles should likely meet the full MovingAhead EmX Alternatives build out needs