

Issue: Automation of Existing Alley Collections

4600 alley collection points, or 18% of our current “stops” (about the number of stops a two-man crew using a manual rear-loader serves in a five-day work week)

Option 1: End alley pick-ups & fully automate solid waste & recycling collections at curb-line

- Safest and most efficient option
- Fully automated side-loaders used city-wide for all collections
- Pick-up schedules essentially will remain unchanged

Manpower & Equipment required to collect 4600 stops at curb-line:

Solid Waste Collections:

1 full-time side-loader (\$250,000 each acquisition cost)

1 full-time driver

Recycling Collections:

½ full-time equivalent side-loader

½ full-time equivalent driver

No additional spare equipment needed beyond projected requirements

Option 2: Continue alley collections with semi-automated solid waste & recycling collections

- Increases worker safety, but hazards remain
- Requires more equipment to maintain current worker productivity levels
- Requires separate alley pick-up schedule, independent of curb-line collection schedule

Manpower & Equipment required to collect 4600 stops with semi-automated equipment in alleys:

Solid Waste Collections:

2 full-time rear-loaders with “flippers” (\$200,000 each acquisition cost)

2 full-time driver-collectors

Recycling Collections:

1 full-time rear-loaders with “flipper”

1 full-time driver-loader

Requires 1 spare rear-loader beyond requirements of a fully-automated system