APPENDIX E - CORRIDOR EVALUATION PROCESS
ATTACHMENT 2 - INITIAL SCREENING
DETAILED RESULTS AND MAPS
AUGUST 2018
Potential Corridors for Analysis, with Existing Transit Routes

- Buckley Air Force Base
- Cherry Creek State Park
- Rocky Mountain Arsenal National Wildlife Refuge
- Bear Creek Greenbelt

Data Sources: RTD 2016, DRCOG, Colorado DOT, OpenColorado, ESRI

Corridor Source
Blueprint, RTD, existing frequent bus service, and added by project team

RTD
Rail line
Bus route

*Downtown transit will be evaluated in a later phase of Denver Moves: Transit and as part of Denver Moves: Downtown

July 2018
Corridor Segment Breaks for Analysis

Data sources: DRCOG, Colorado DOT, OpenColorado, ESRI
### 2015 Population Density within 1/4 mile of Corridors

<table>
<thead>
<tr>
<th>Category</th>
<th>Density Range</th>
<th>Ppl/acre</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0 - 5.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5.1 - 10.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10.1 - 15.0</td>
<td></td>
<td></td>
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<tr>
<td>15.1 - 25.0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>25.1 - 30.1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Data sources: DRCOG, Colorado DOT, OpenColorado, ESRI*

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**Map details:**
- **Downtown Denver has been excluded from the corridor analysis.**
- Downtown transit will be evaluated in a later phase of Denver Moves: Transit and as part of Denver Moves: Downtown.

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**2015 Population (ppl/acre):**

- **0.0 - 5.0:**
- **5.1 - 10.0:**
- **10.1 - 15.0:**
- **15.1 - 25.0:**
- **25.1 - 30.1:**

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**Data sources:**
- DRCOG
- Colorado DOT
- OpenColorado
- ESRI

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**July 2018 Denver Moves Transit**

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**Notes:**
- Downtown data has been excluded from the corridor analysis; downtown transit will be evaluated in a later phase of Denver Moves: Transit and as part of Denver Moves: Downtown.
2035 Population Density within 1/4 mile of Corridors

2035 Population (ppl/acre)

- 0.0 - 5.0
- 5.1 - 10.0
- 10.1 - 15.0
- 15.1 - 25.0
- 25.1 - 40.1

Data sources: DRCOG, Colorado DOT, OpenColorado, ESRI

*Downtown data has been excluded from the corridor analysis; downtown transit will be evaluated in a later phase of Denver Moves: Transit and as part of Denver Moves: Downtown
2015 Employees (ppl/acre)

- 0.8 - 8.0
- 8.1 - 20.0
- 20.1 - 40.0
- 40.1 - 80.0
- 80.1 - 95.0

*Downtown data has been excluded from the corridor analysis; downtown transit will be evaluated in a later phase of Denver Moves: Transit and as part of Denver Moves: Downtown.

Data sources: DRCOG, Colorado DOT, OpenColorado, ESRI

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2015 Employment Density within 1/4 mile of Corridors
2035 Employment Density within 1/4 mile of Corridors

2035 Employees (ppl/acre)
0.8 - 8.0
8.1 - 20.0
20.1 - 40.0
40.1 - 80.0
80.1 - 158.8

*Downtown data has been excluded from the corridor analysis; downtown transit will be evaluated in a later phase of Denver Moves: Transit and as part of Denver Moves: Downtown

Data sources: DRCOG, Colorado DOT, OpenColorado, ESRI

DENVER MOVES
Transit

July 2018
2015 Population and Employment (persons and jobs per acre)

1.4 - 8.0
8.1 - 12.0
12.1 - 20.0
20.1 - 35.0
35.1 - 80.0
80.1 - 111.3

DENVER MOVES
Transit
0 2 4
miles
July 2018

*Downtown data has been excluded from the corridor analysis; downtown transit will be evaluated in a later phase of Denver Moves: Transit and as part of Denver Moves: Downtown

Data sources: DRCOG, Colorado DOT, OpenColorado, ESRI

DENVERMOVES
Transit

July 2018

2015 Population & Employment Density within 1/4 mile of Corridors
2035 Population and Employment (persons and jobs per acre)

- 1.4 - 8.0
- 8.1 - 12.0
- 12.1 - 20.0
- 20.1 - 35.0
- 35.1 - 80.0
- 80.1 - 183.0

To Denver International Airport

Cherry Creek State Park
Rocky Mountain Arsenal National Wildlife Refuge

Data sources: DRCOG, Colorado DOT, OpenColorado, ESRI

*Downtown data has been excluded from the corridor analysis; downtown transit will be evaluated in a later phase of Denver Moves: Transit and as part of Denver Moves: Downtown.
Population earning less than 150% of the poverty level (ppl/acre)

- 0.0 - 4.0
- 4.1 - 8.0
- 8.1 - 12.0
- 12.1 - 16.0
- 16.1 - 21.7

*Downtown data has been excluded from the corridor analysis; downtown transit will be evaluated in a later phase of Denver Moves: Transit and as part of Denver Moves: Downtown.

Data sources: DRCOG, Colorado DOT, OpenColorado, ESRI, 2015 5-year American Community Survey

July 2018
Population of minority residents (ppl/acre)

- 4.1 - 8.0
- 8.1 - 12.0
- 12.1 - 16.0
- 16.1 - 39.8

*Downtown data has been excluded from the corridor analysis; downtown transit will be evaluated in a later phase of Denver Moves: Transit and as part of Denver Moves: Downtown
Older Adults (65+) Population Density within 1/4 mile of Corridors

Population of older adults (ppl/acre)

- 0.0 - 0.5
- 0.6 - 1.0
- 1.1 - 1.5
- 1.6 - 2.0
- 2.1 - 2.7

Data sources: DRCOG, Colorado DOT, OpenColorado, ESRI, 2015 5-year American Community Survey

*Downtown data has been excluded from the corridor analysis; downtown transit will be evaluated in a later phase of Denver Moves: Transit and as part of Denver Moves: Downtown.
Young people age 10-17 (ppl/acre)

0.0 - 0.5
0.6 - 1.0
1.1 - 1.5
1.6 - 2.0
2.1 - 2.8

Data sources: DRCOG, Colorado DOT, OpenColorado, ESRI, 2015 5-year American Community Survey

*Downtown data has been excluded from the corridor analysis; downtown transit will be evaluated in a later phase of Denver Moves: Transit and as part of Denver Moves: Downtown

**Youth (age 10 - 17) Population Density within 1/4 mile of Corridors**
People with disabilities (ppl/acre)

Data sources: DRCOG, Colorado DOT, OpenColorado, ESRI, 2015 5-year American Community Survey

*Downtown data has been excluded from the corridor analysis; downtown transit will be evaluated in a later phase of Denver Moves: Transit and as part of Denver Moves: Downtown

People with Disabilities Density within 1/4 mile of Corridors

Data sources: DRCOG, Colorado DOT, OpenColorado, ESRI, 2015 5-year American Community Survey

July 2018
Households with no vehicle (per acre)

0.0 - 0.5
0.6 - 1.0
1.1 - 2.0
2.1 - 4.0
4.1 - 7.9

Data sources: DRCOG, Colorado DOT, OpenColorado, ESRI, 2015 5-year American Community Survey

To Denver International Airport

Cherry Creek State Park
Rocky Mountain Arsenal National Wildlife Refuge

Data sources: DRCOG, Colorado DOT, OpenColorado, ESRI, 2015 5-year American Community Survey

*Downtown data has been excluded from the corridor analysis; downtown transit will be evaluated in a later phase of Denver Moves: Transit and as part of Denver Moves: Downtown

Zero Car Households Density within 1/4 mile of Corridors

July 2018
Sidewalk meeting City standard within 1/4 mile of corridor

0% - 20%
20.1% - 40%
40.1- 60%
60.1% - 80%
80.1% - 100%

0 2 4 miles

July 2018

Data sources: DRCOG, Colorado DOT, OpenColorado, City of Denver

Sidewalk Coverage within 1/4 mile of Corridors

*Downtown data has been excluded from the corridor analysis; downtown transit will be evaluated in a later phase of Denver Moves: Transit and as part of Denver Moves: Downtown
Average traffic signal spacing along corridor (miles)

- 0 - 0.25
- 0.26 - 0.50
- 0.51 - 1.00
- 1.01 - 2.00
- 2.01 - 7.23
- no data

To Denver International Airport

To Cherry Creek State Park

To Rocky Mountain Arsenal National Wildlife Refuge

Data sources: DRCOG, Colorado DOT, OpenColorado, ESRI, City of Denver

*Data sources: DRCOG, Colorado DOT, OpenColorado, ESRI, City of Denver,*

*Downtown data has been excluded from the corridor analysis; downtown transit will be evaluated in a later phase of Denver Moves: Transit and as part of Denver Moves: Downtown*
2015 - 2016
weekday total bus
boardings per mile

0 - 100
100.1 - 500
500.1 - 1000
1000.1 - 2000
2000.1 - 5611
No data

*Downtown data has been excluded from the corridor analysis; downtown transit will be evaluated in a later phase of Denver Moves: Transit and as part of Denver Moves: Downtown

Weekday Bus Boardings

Data sources: DRCOG, Colorado DOT, OpenColorado, ESRI, RTD

July 2018
Average Transit Speed (Scheduled, PM Peak) by Transit Boardings per Mile

Boardings vs. Average Speed by Corridor
Overall segment score

To Denver International Airport

Cherry Creek State Park

Rocky Mountain Arsenal National Wildlife Refuge

Bear Creek Greenbelt

Overall Score (Unweighted)

Data sources: DRCOG, Colorado DOT, OpenColorado, ESRI, GTFS, 2015 5-year American Community Survey, City of Denver

*Downtown data has been excluded from the corridor analysis; downtown transit will be evaluated in a later phase of Denver Moves: Transit and as part of Denver Moves: Downtown
Overall segment score

Denver Moves: Transit

Preliminary Candidate Corridors for Phase 2 Evaluation with Overall Unweighted Score

Data sources: DRCOG, Colorado DOT, OpenColorado, ESRI, GTFS, RTD, 2015 5-year American Community Survey, City of Denver

July 2018

*Downtown data has been excluded from the corridor analysis; downtown transit will be evaluated in a later phase of Denver Moves: Transit and as part of Denver Moves: Downtown.
Overall segment score
Preliminary Candidate Corridors
Transit Propensity Index

Highest in County
Lowest in County

Overall segment score
1
2
3
4
5

*Downtown data has been excluded from the corridor analysis; downtown transit will be evaluated in a later phase of Denver Moves: Transit and as part of Denver Moves: Downtown

Data sources: DRCOG, Colorado DOT, OpenColorado, ESRI, GTFS, RTD, 2015 5-year American Community Survey, City of Denver
Sidewalks meeting City standard within 1/4 mile of corridor:

- 0% - 20%
- 20.1% - 40%
- 40.1% - 60%
- 60.1% - 80%
- 80.1% - 100%

2015 Population in the City of Denver:

- 11 - 20
- 21 - 30
- 31 - 40
- 41 - 184

2015 People per Acre:

- 1 - 5
- 6 - 10
- 11 - 20
- 21 - 30
- 31 - 40
- 41 - 184

Overall segment score:

- 1
- 2
- 3
- 4
- 5

Preliminary Candidate Corridors for Phase 2 Evaluation with 2015 Population Density

Data sources: DRCOG, Colorado DOT, OpenColorado, ESRI, GTFS, RTD, 2015 5-year American Community Survey, City of Denver
Preliminary Candidate Corridors for Phase 2 Evaluation with 2015 Employment Density

Data sources: DRCOG, Colorado DOT, OpenColorado, ESRI, GTFS, RTD, 2015 5-year American Community Survey, City of Denver

*Downtown data has been excluded from the corridor analysis; downtown transit will be evaluated in a later phase of Denver Moves: Transit and as part of Denver Moves: Downtown
Overall segment score

Preliminary Candidate Corridors

Low Income people per acre by Census Block Group

Data sources: DRCOG, Colorado DOT, OpenColorado, ESRI, GTFS, RTD, 2015 5-year American Community Survey, City of Denver

*Downtown data has been excluded from the corridor analysis; downtown transit will be evaluated in a later phase of Denver Moves: Transit and as part of Denver Moves: Downtown
Corridors Recommended for Phase 2 Evaluation

Data sources: DRCOG, Colorado DOT, OpenColorado, ESRI, GTFS, RTD, 2015 5-year American Community Survey, City of Denver

*Downtown data has been excluded from the corridor analysis; downtown transit will be evaluated in a later phase of Denver Moves: Transit and as part of Denver Moves: Downtown

Corridor routing is conceptual and will be determined through further analysis.

Already slated for transit investment
Regional Coordination Corridor
Rail Line
Future Rail Line

July 2018
Connect Measures

Employees per Acre (2015)

Employees per Acre (2035)
Enhance Measures

Average Transit Speed in PM Peak (4–6 PM)

Corridor
- 6th-
- Hampden-
- Quebec-
- Havana-
- Peoria-
- Federal-
- 22nd/23rd-
- 38th-
- Sheridan-
- 8th-
- Speer/Leetsdale-
- University-
- Jewel/Evans/liff-
- 48th/Green Valley Ranch-
- MLK-
- Alameda-
- Colorado-
- Colfax-
- Mississippi-
- 17th/18th-
- Broadway-
- 26th-

Miles per Hour

Score
1 2 3 4 5

Transit Boardings per Mile

Corridor
- Colfax-
- Broadway-
- Federal-
- Havana-
- Colorado-
- 17th/18th-
- Jewel/Evans/liff-
- Sheridan-
- MLK-
- Alameda-
- 38th-
- 22nd/23rd-
- Peoria-
- Quebec-
- Mississippi-
- University-
- 26th-
- Hampden-
- 6th-
- 8th-
- Speer/Leetsdale-
- 48th/Green Valley Ranch-
- 35th-
- 11th/12th-
- Downing-
- Auraria/Brighton-
- Central Park-
- Monaco-
- 44th-
- Tejon-
- 1st-
- Wadsworth-
- Santa Fe-
- 50th/52nd-
- Morrison-
- 1st-
- Yale-
- 11th/12th-
- Tejon-
- Central Park-
- Santa Fe-
- 35th-

Boardings per Corridor Mile

Score
1 2 3 4 5
## Thrive Measures

### Minority (non-white) Persons per Acre

<table>
<thead>
<tr>
<th>Corridor</th>
<th>Score</th>
<th>People per Acre</th>
</tr>
</thead>
<tbody>
<tr>
<td>Colfax - Havanna - Federal</td>
<td>1.24</td>
<td>6.27</td>
</tr>
<tr>
<td>22nd/23rd - Mississippi - Peoria - MLK - Park - Alamed - Jewel/Evans/Illiff - Sheridan - 38th - 8th - 26th - Speer/Leetsdale - 17th/18th - 48th/Green Valley Ranch</td>
<td>1.54</td>
<td>6.18</td>
</tr>
<tr>
<td>Broadway - Quebec - Colorado - 6th - University - Hampden</td>
<td>1.01</td>
<td>5.70</td>
</tr>
</tbody>
</table>

### Households with No Vehicles per Acre

<table>
<thead>
<tr>
<th>Corridor</th>
<th>Score</th>
<th>Households per Acre</th>
</tr>
</thead>
<tbody>
<tr>
<td>Park - 17th/18th - Colfax - Broadway - 8th - Speer/Leetsdale - 22nd/23rd - 6th - Havana - University - Mississippi - MLK - Alamed - Jewel/Evans/Illiff - Quebec - Sheridan - Peoria - Hampden - 48th/Green Valley Ranch</td>
<td>2.67</td>
<td>2.02</td>
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<tr>
<td>Advanced to Phase 2 Evaluation</td>
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<td></td>
</tr>
<tr>
<td>Not Advanced to Phase 2 Evaluation</td>
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</tbody>
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### Thrive Metrics

- People per Acre: 0.10 to 20.23
- Minority (non-white) Persons per Acre: 0.50 to 10.14
- Households with No Vehicles per Acre: 0.00 to 8.90
Thrive Measures

Older Adults per Acre

Young people (10−17) per Acre

Peoria
Colfax
Havana
48th/Green Valley Ranch
Federal
Mississippi
Sheridan
Alameda
22nd/23rd
Jewel/Evans/Illiff
MLK
6th
38th
Quebec
8th
University
Speer/Leetsdale
Hampden
26th
Park
Colorado
Broadway
17th/18th
Park
11th/12th
Monaco
1st
Yale
32nd
Holly
Dowling
Lowell
44th
Morrison
Wadsworth
Bowlen
Tejon
50th/52nd
Quincy/Oxford
Dartmouth
Santa Fe
40th/Smith
56th
Tower
Auraria/Brighton
Central Park
Peña

Score 1 2 3 4 5

People per Acre

Households per Acre

Score 1 2 3 4 5