

Route Overviews

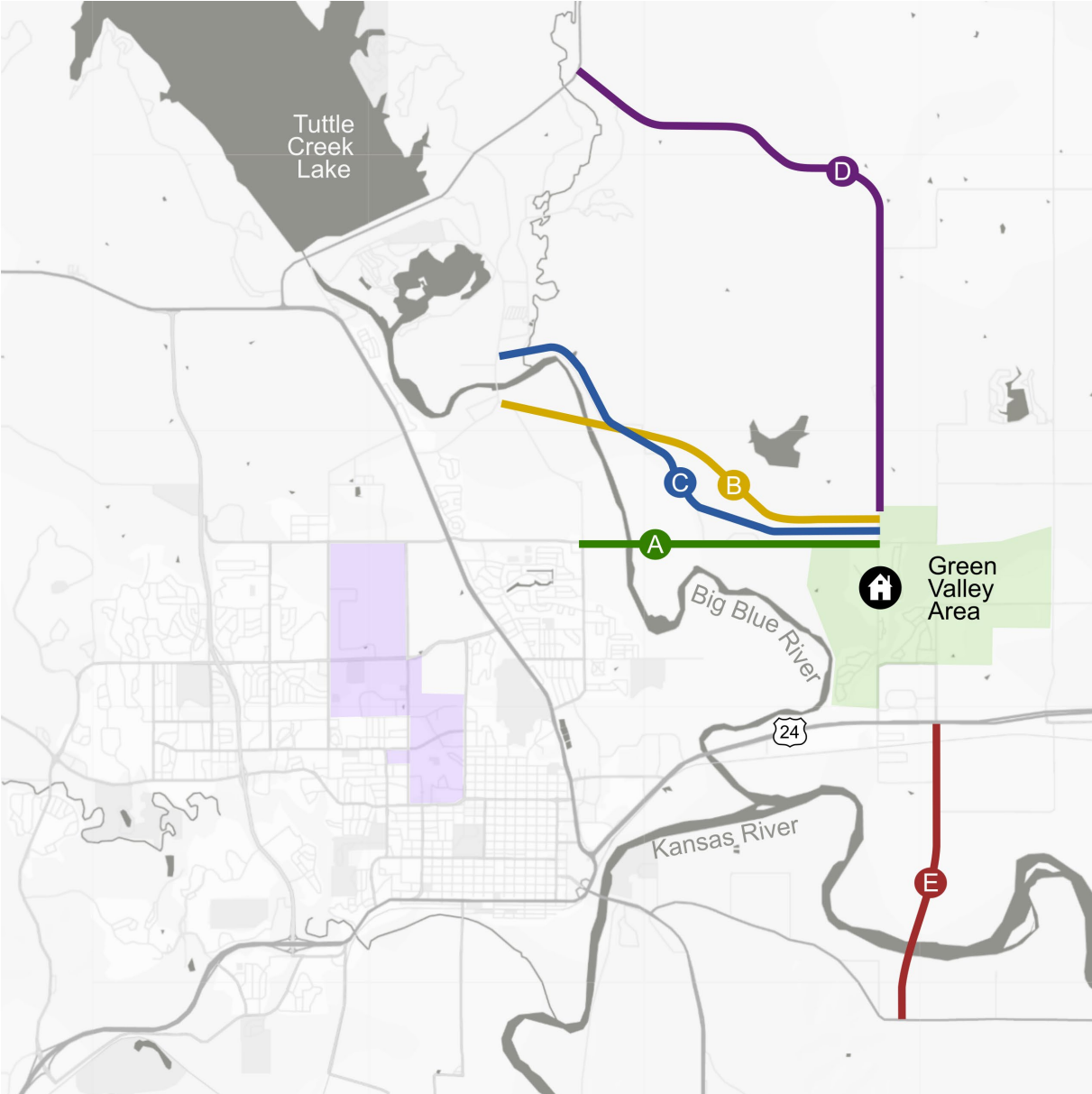
A

B

C

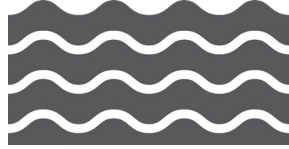
D

E

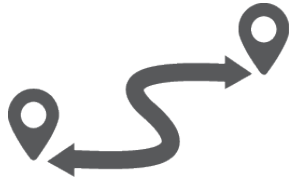


Report Findings: Metric Criteria

Flooding



Route Length



Bridge Length



**Right-of-Way/
Private Property**

ROW

**Projected Daily
Vehicles**



Travel Time



Cost





Flooding

Would the route be open during a 100-year flood?

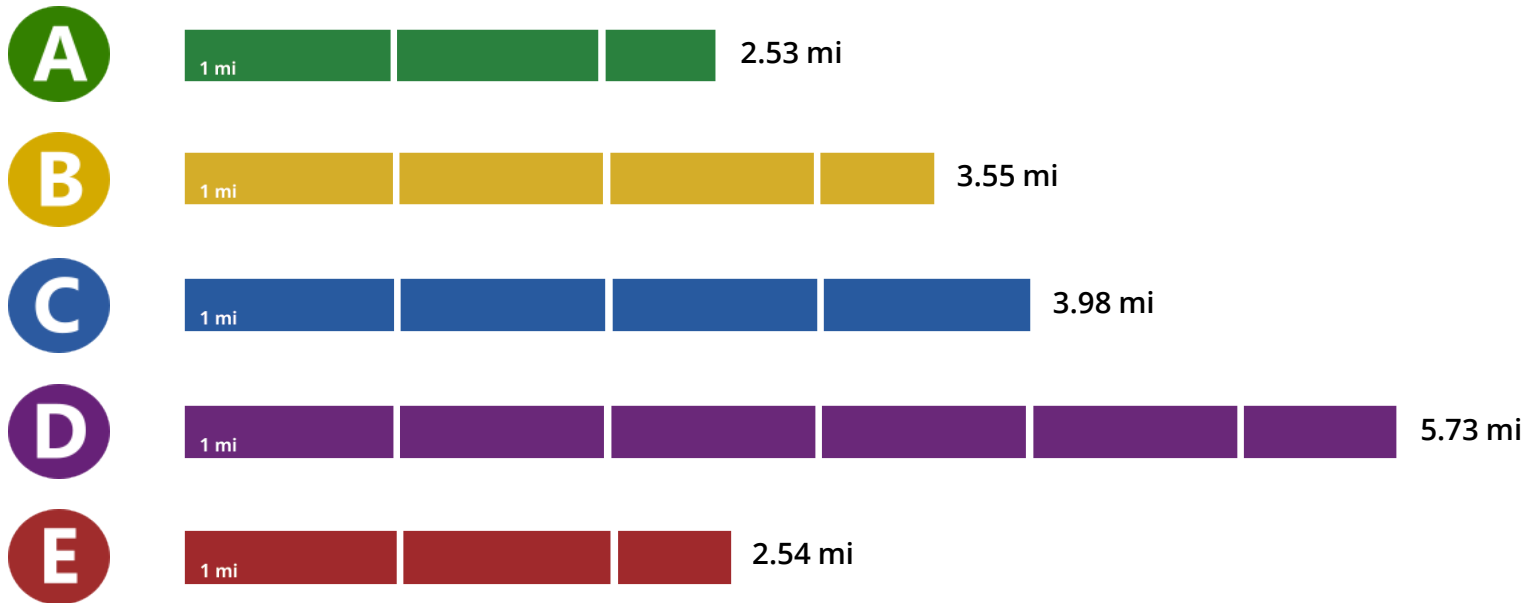
- A** No, Marlatt Ave & Casement Rd will be closed
- B** Yes, Barnes Rd will be open
- C** No, Dyer Rd & Blue River Rd will be closed
- D** Yes, all roads will be open
- E** No, Excel Rd south of US-24 will be closed

Details: www.FlintHillsMPO.org/2ndConnection



Route Length

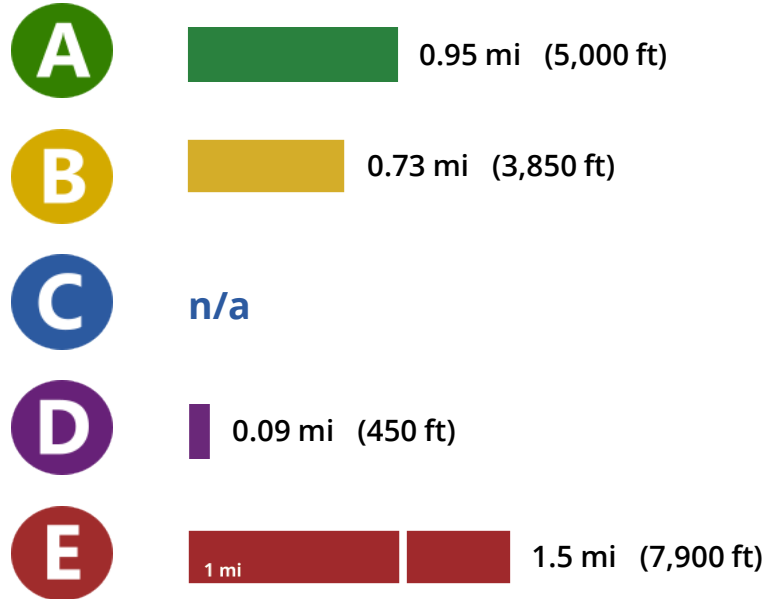
Length of new or improved road construction, including bridges



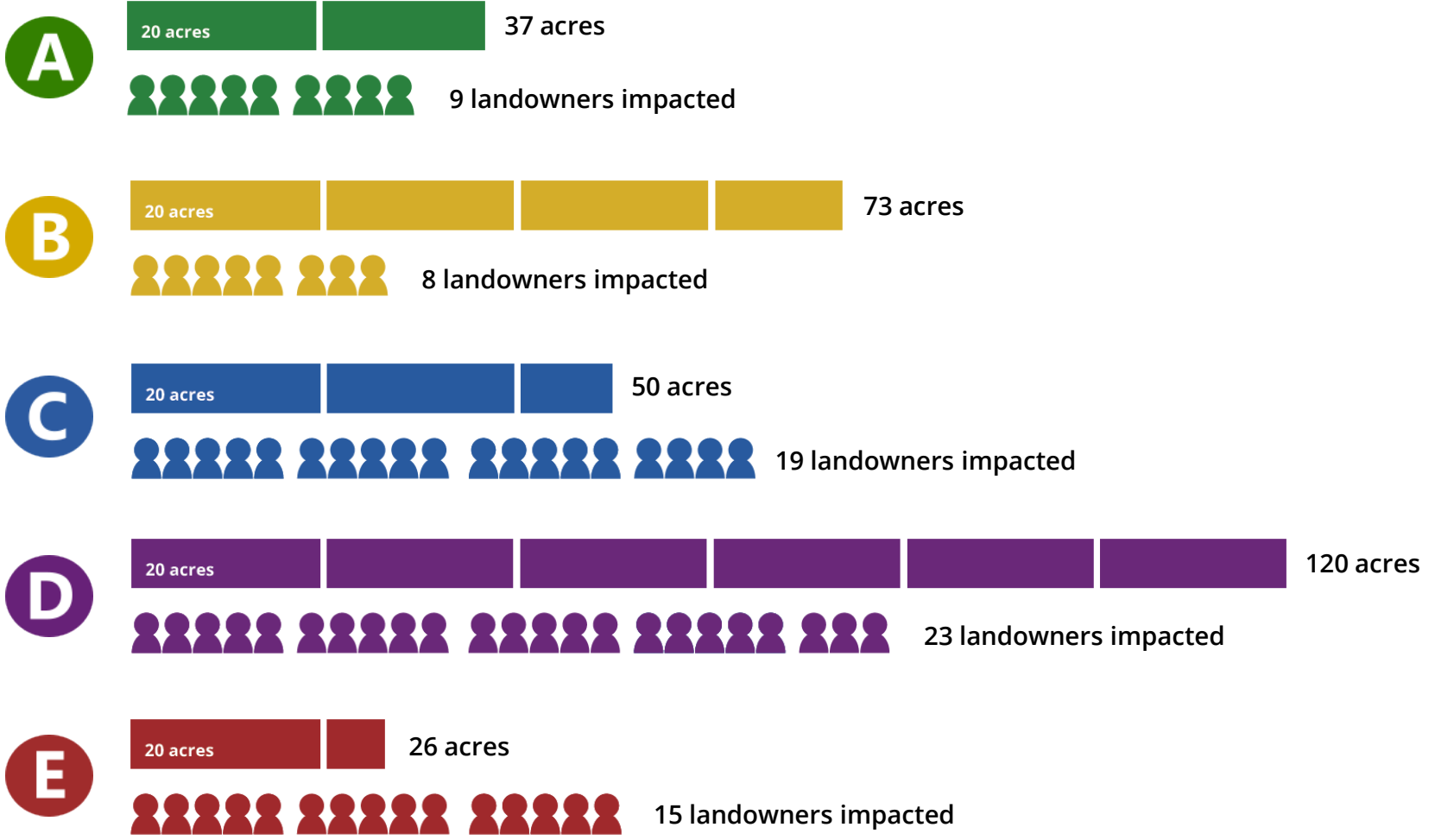
Length of new or improved road construction, including bridges



Bridge Length



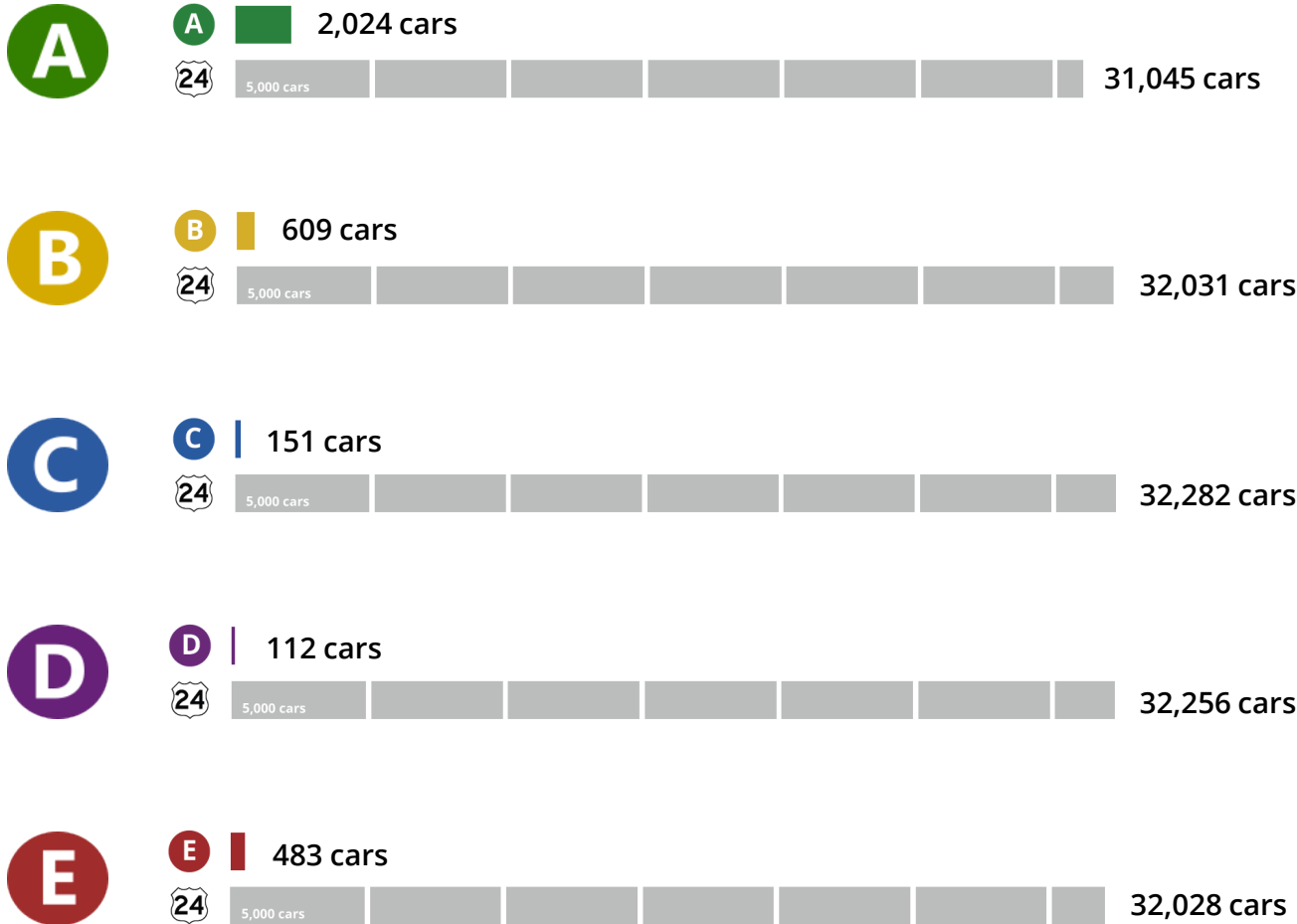
ROW Right-of-Way & Property





Projected Daily Vehicles

Avg. daily vehicles if the bridge was built **today**



TDM calculation: today's population and E+C network with 2nd Connection route



Projected Daily Vehicles

Avg. daily vehicles with high-end population growth in 2050

A

A

5,067 cars

24

5,000 cars | 40,640 cars

B

B

2,210 cars

24

5,000 cars | 42,517 cars

C

C

1,071 cars

24

5,000 cars | 43,139 cars

D

D

412 cars

24

5,000 cars | 43,083 cars

E

E

1,933 cars

24

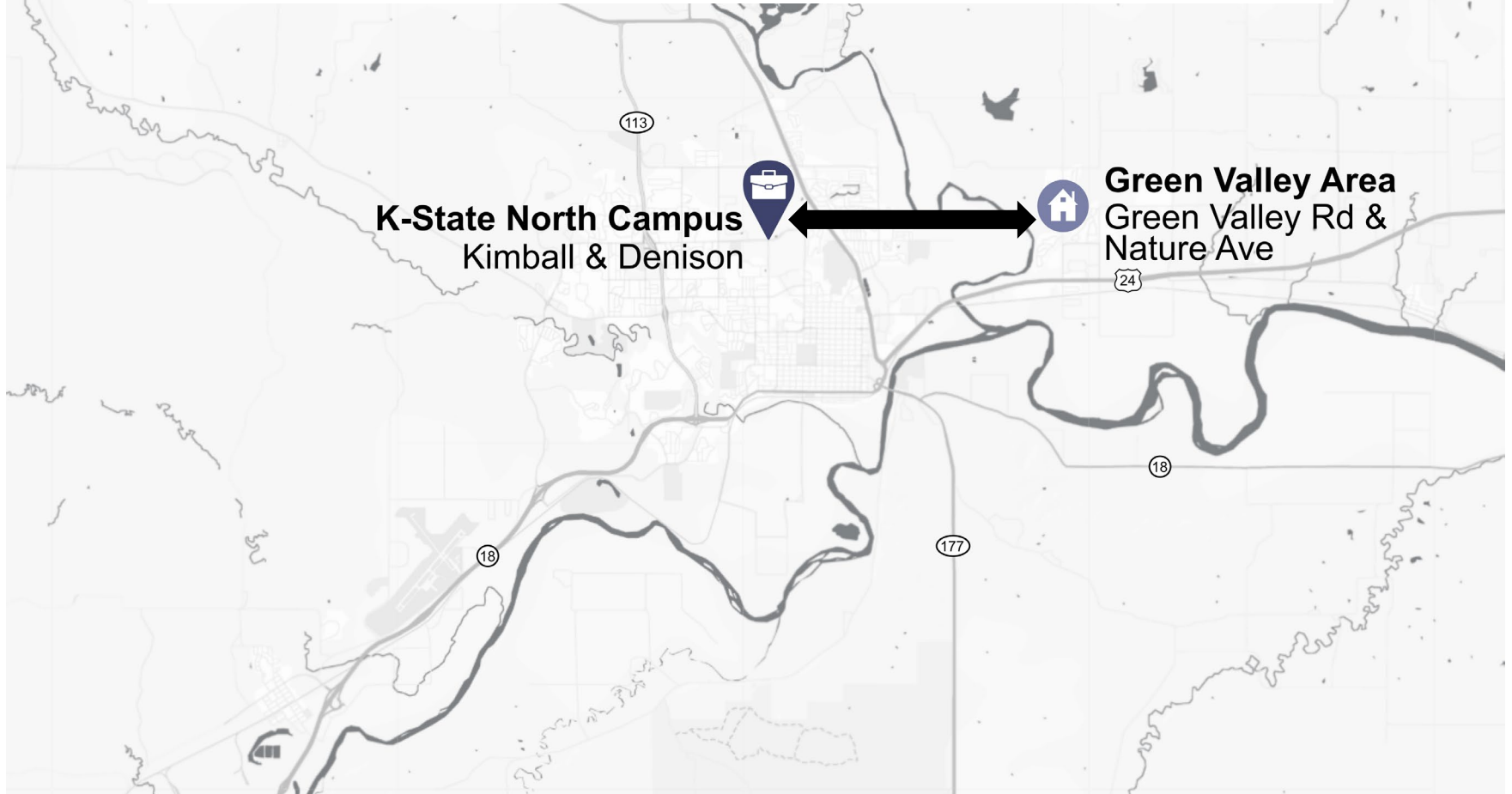
5,000 cars | 42,627 cars

TDM calculation: 2050 high-growth population and E+C network with 2nd Connection route



Travel Time

- Data from the Travel Demand Model (TDM)
- Work to Home (5pm)
- Intersection to intersection (not door to door)
- US-24 (4-lanes)

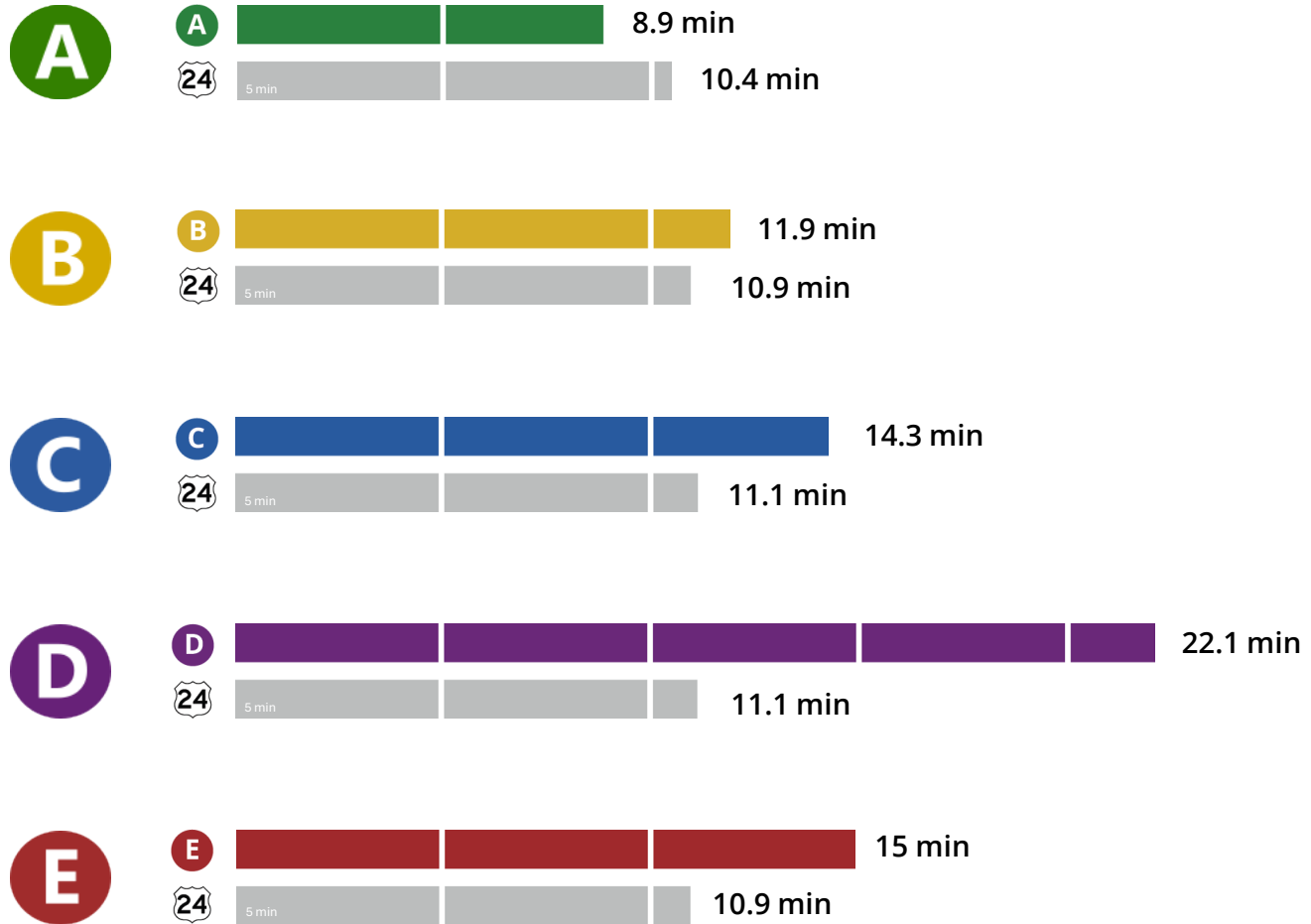




Travel Time



Avg. travel time if the new connection was built **today**



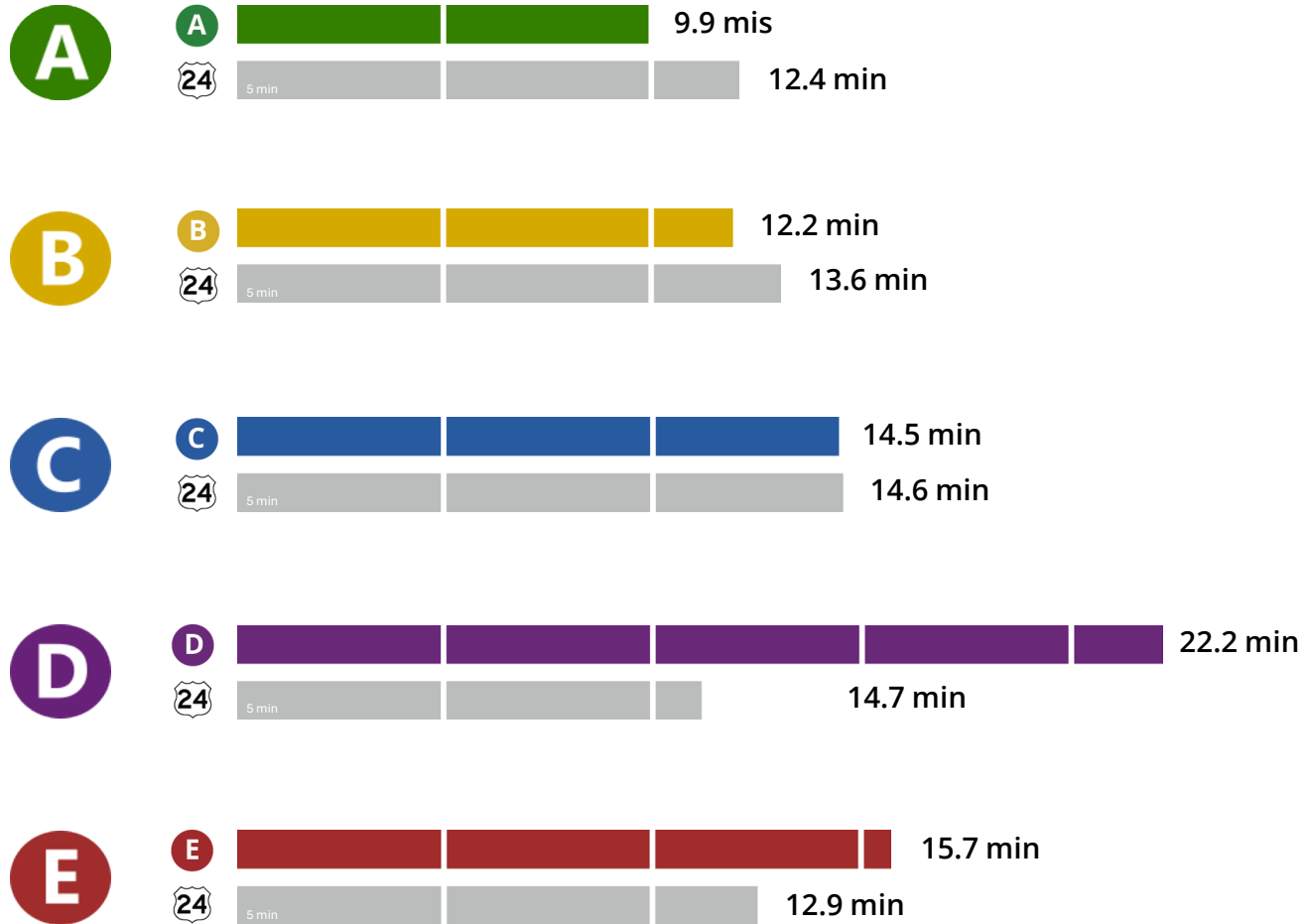
TDM calculation: today's population and E+C network with 2nd Connection route



Travel Time



Avg. travel time with high-end population growth in 2050

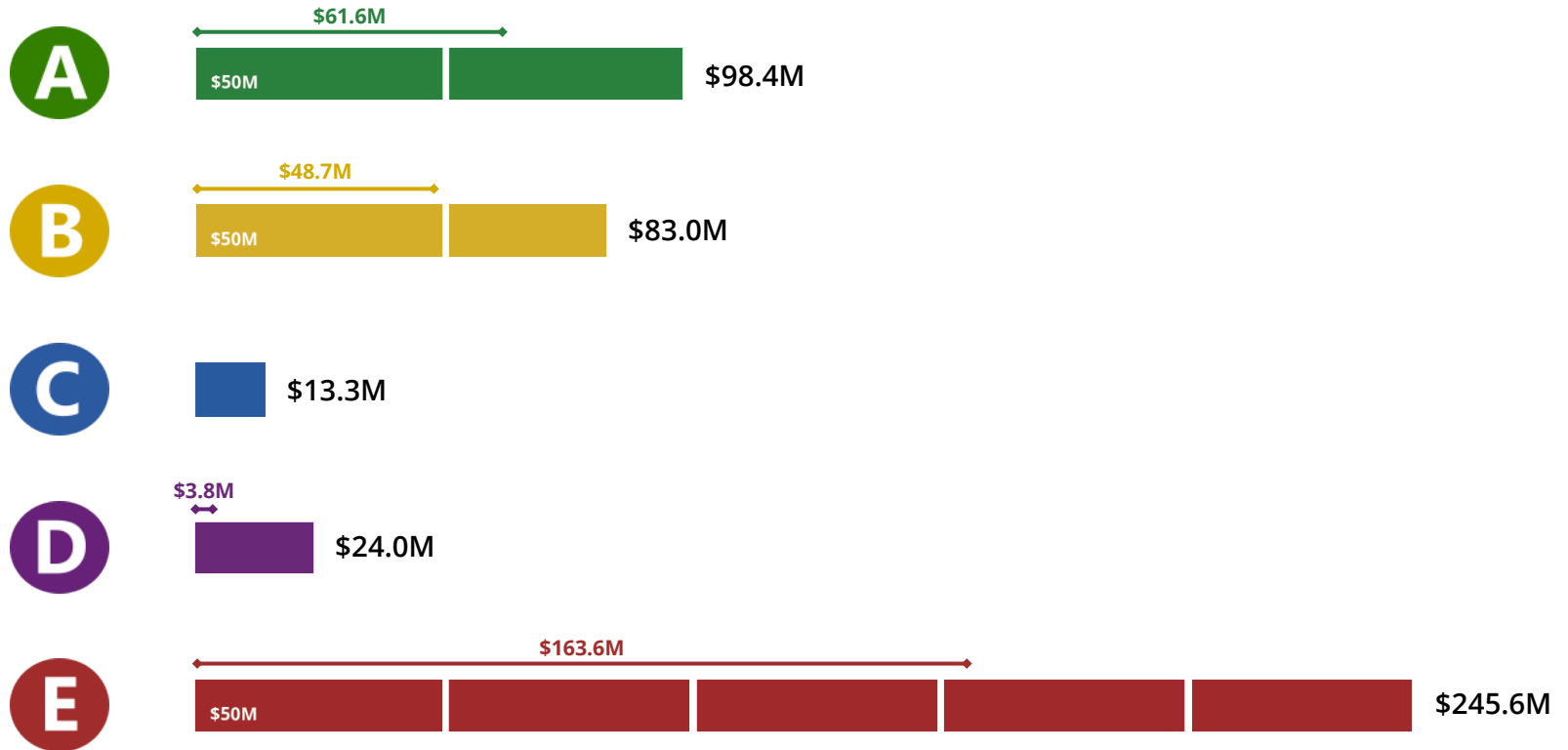


TDM calculation: 2050 high-growth population and E+C network with 2nd Connection route



Cost

ROW + Engineering + Construction + Contingency



Bridge \$

Detailed cost estimates available in report