

Arterial BRT Corridor Concepts

Network**NEXT**

December 2020

Central

Concept Station Locations

From north to south, the corridor begins at Northtown Mall in Blaine and ends in downtown Minneapolis. The Central preliminary concept identifies 30 station intersections over the approximately 13.0-mile corridor. Today, the corridor is primarily served by Route 10.

Considerations in the corridor:

- The station at University and 69th Avenue in Fridley differs from the station siting identified in the 2012 Arterial Transitway Corridors Study (ATCS) due to new developments in the area. The station would also serve Fridley city hall.
- A station is sited to the west of the intersection of Central Avenue & 53rd Avenue, near Target.
- Stations at 49th Avenue and 45th Avenue could be shifted to better serve the Hilltop mobile home community.
- The station at 41st Avenue would be on-street, removing the current pull-in to the Columbia Heights Transit Center.
- Station siting in the segment between the Columbia Heights Transit Center and Lowry Avenue in Minneapolis with low existing Route 10 ridership could be adjusted; planning should consider a station near apartment homes at 35th Avenue.
- Mid-block station siting between University Avenue and 4th Street along Central would facilitate transfers to the METRO E Line.
- The current alignment would partially operate on a new Washington Avenue transit spine in downtown Minneapolis.
- Future planning should consider an alternative alignment that uses the Hennepin Avenue bridge to cross the Mississippi River, then travels along East Hennepin Avenue and Northeast 1st Avenue in northeast Minneapolis. Such may alleviate the potential for shared station and alignment issues along the proposed Washington Avenue transit spine at South 3rd Avenue & Washington Avenue.

Maps

Figure 5. Central Concept Alignment and Station Locations – North

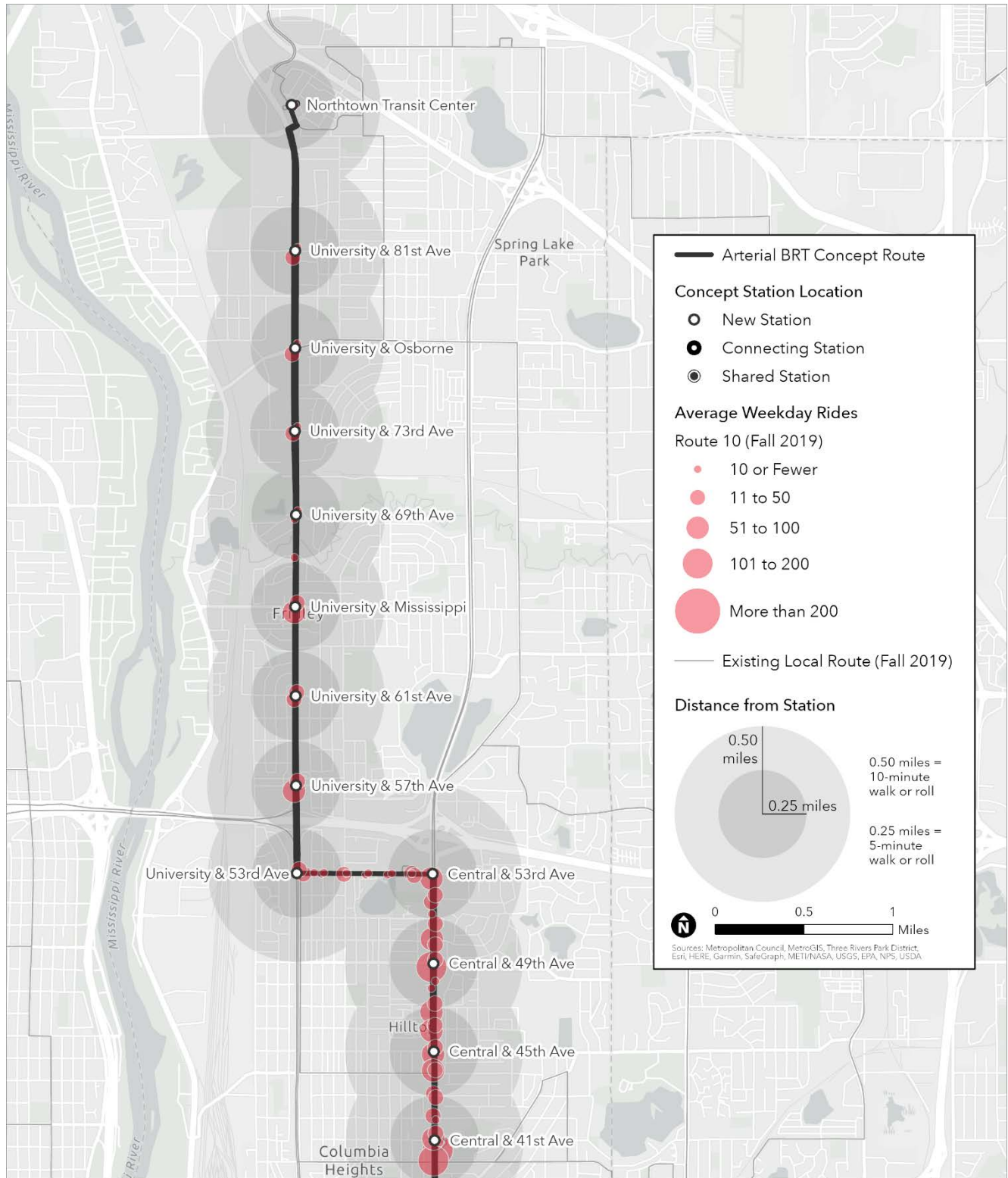
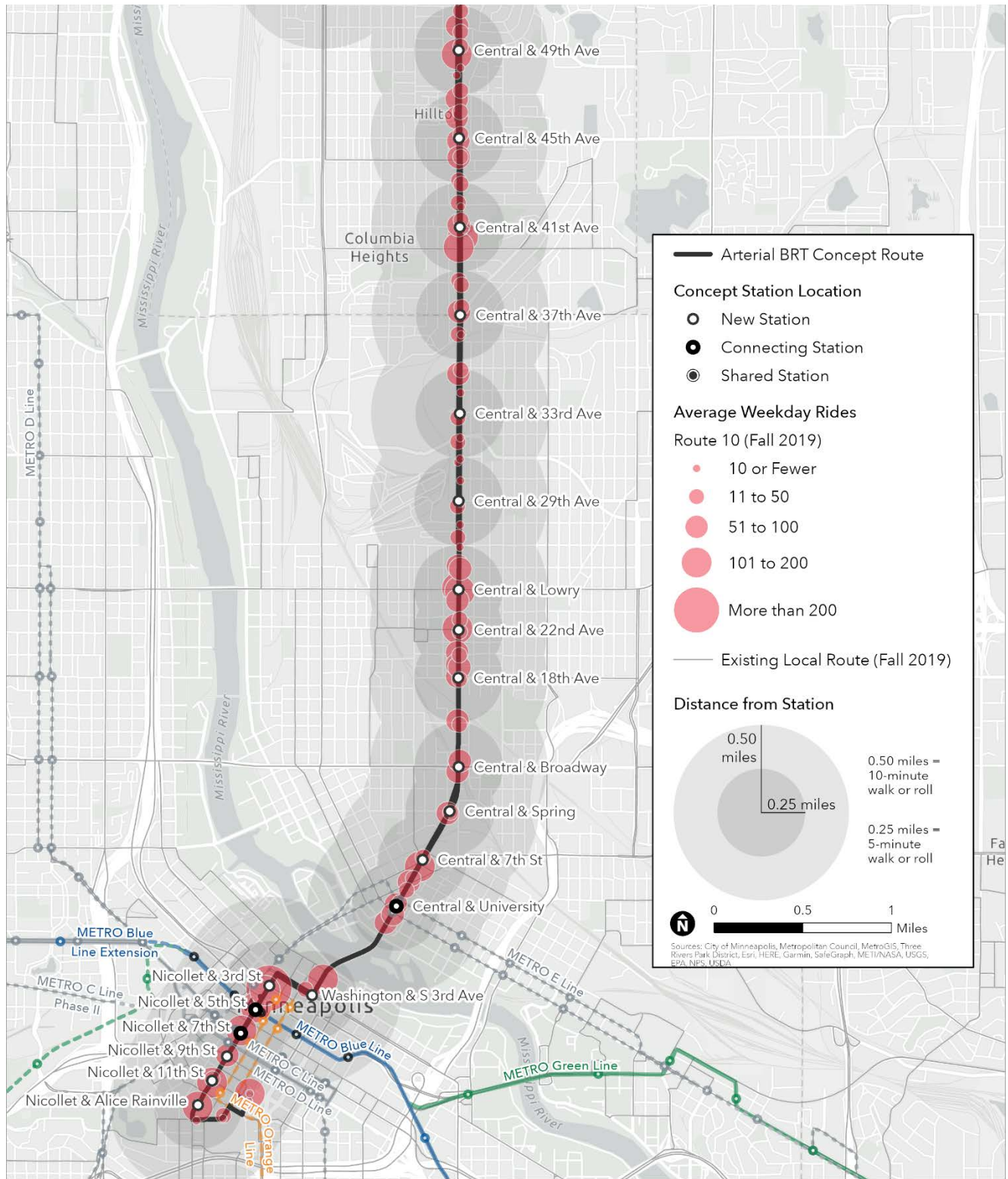


Figure 6. Central Concept Alignment and Station Locations – South



Concept Service Plan

The corridor is served today primarily by Route 10, which operates three main patterns (or branches) based out of downtown Minneapolis:

- 10H to 53rd Avenue via Central Avenue,
- 10N to Northtown Transit Center via Central Avenue and Monroe Street north of 53rd Avenue, and
- 10U to Northtown Transit Center via University Avenue north of 53rd Avenue.

Additionally, Route 59 serves this corridor, providing peak-only limited stop service on Central Avenue between 53rd Avenue and downtown Minneapolis. A few Route 59 trips also provide service north of 53rd Avenue. Route 10 would be modified to operate as a single pattern, and Route 59 would be eliminated as part of the Central arterial BRT concept plan.

The Central arterial BRT concept route mirrors the structure of existing Route 10U and would operate between downtown Minneapolis and Northtown Transit Center via Central Avenue to 53rd Avenue and via University Avenue north of 53rd Avenue (Figure 5). The arterial BRT concept would operate every 10 minutes for most of the day (Table 8). Fifteen buses would be required to provide this level of service.

Route 10 would continue to operate on a path similar to the existing Route 10N branch, maintaining service through Spring Lake Park and Fridley along Central and Monroe Avenues north of 53rd Avenue. Modified Route 10 would operate approximately every 30 minutes throughout most of the day, seven days per week, requiring six buses.

Table 8. Central Concept Service Plan

Route	Early	AM Peak	Midday	PM Peak	Evening	Night
Central BRT	20	10	10	10	20	30
Route 10	-	30	30	30	30	-

Central

Table 18. Central Concept Station Locations

Station Intersection	Intersection Location	Station Spacing (miles)	Connecting Service	Comments
1	Northtown Transit Center	•Following: 0.9	25, 805, 831	Shopping and commercial center
2	University & 81st Ave	•Preceding: 0.9 •Following: 0.6		
3	University & Osborne Rd	•Preceding: 0.6 •Following: 0.5		
4	University & 73rd Ave	•Preceding: 0.5 •Following: 0.5		
5	University & 69th Ave	•Preceding: 0.5 •Following: 0.5		New development to the east, city hall
6	University & Mississippi St	•Preceding: 0.5 •Following: 0.5		
7	University & 61st Ave	•Preceding: 0.5 •Following: 0.5		Northstar Fridley Station adjacency Fridley High School
8	University & 57th Ave	•Preceding: 0.5 •Following: 0.5		
9	University & 53rd Ave	•Preceding: 0.5 •Following: 0.7	824	
10	Central & 53rd Ave	•Preceding: 0.7 •Following: 0.5		Station closer to Target
11	Central & 49th Ave	•Preceding: 0.5 •Following: 0.5		Consider Hilltop mobile home community Columbia Heights High School
12	Central & 45th Ave	•Preceding: 0.5 •Following: 0.5		Consider Hilltop mobile home community
13	Central & 41st Ave	•Preceding: 0.5 •Following: 0.5	11, 801	Remove pull-in to transit center
14	Central & 37th Ave	•Preceding: 0.5 •Following: 0.5		