


## METRO Red Line Bus Rapid Transit (BRT) Update

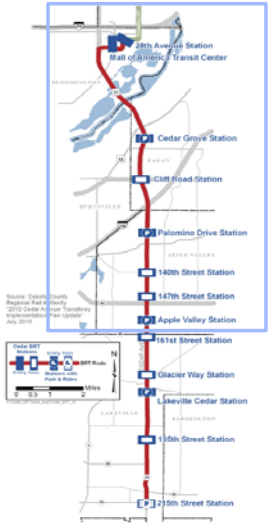

Transportation Committee  
February 25, 2013

Presented By:  
Pat Jones  
Claudius Toussaint  
Paul Lamb - URS  
Arlene McCarthy



### Project Overview



- 16 mile BRT service from the MOA to Lakeville.
- Stage 1 - service between stations at MOA, Cedar Grove, 140<sup>th</sup> St., 147<sup>th</sup> St., and AVTS.
- Later stages will add additional stations, park & rides, and service on the corridor.
- Buses will operate on Cedar Avenue and newly constructed Bus Shoulder Lanes.
- 15 minute service on weekdays and 30 minute service on weekends.

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### Project Construction – Major Elements

- Vehicle Fleet: 99%
- Cedar Ave Bus Shoulder Roadwork: 95%
- Traffic Signal Priority (TSP): 75%
- 140<sup>th</sup> and 147<sup>th</sup> Street Stations: 60%
- Automatic Vehicle Location (AVL): March
- Network Connectivity: March
- Real-Time Signs (RTS)/Signage: April
- MOA Platform Stop: April



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### Vehicle Fleet



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### 140<sup>th</sup> Street Stations



Southbound

Northbound

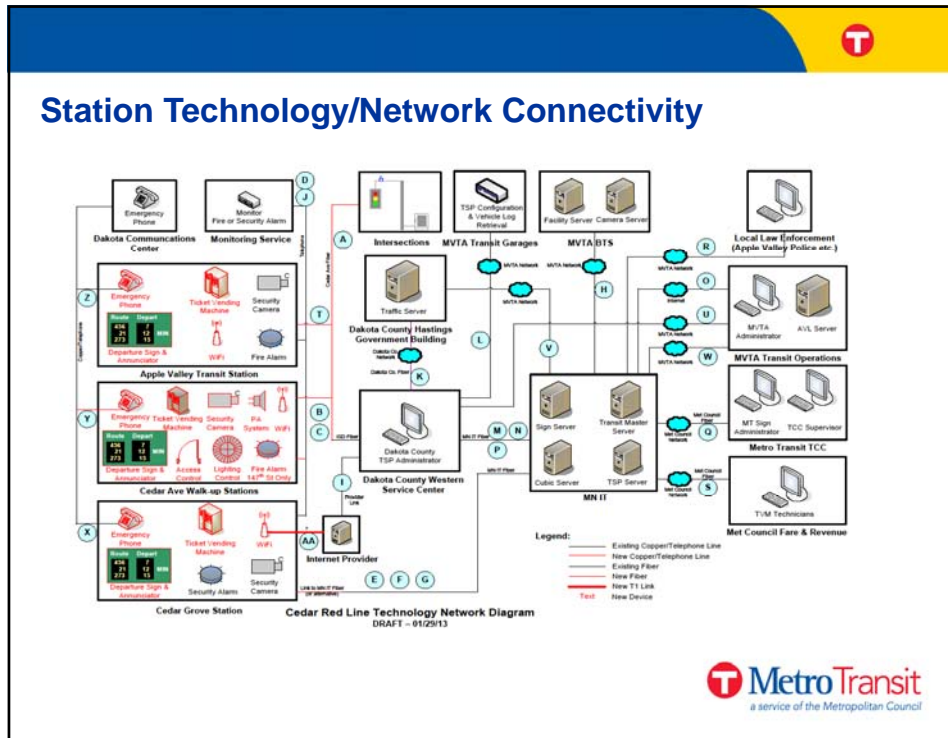


### 147<sup>th</sup> Street Station Southbound



Southbound





## Coordination Summary Schedule

DRAFT

Task Name	Lead Agency / Person	Duration	Start	Finish	Prerequisites	Jan	Feb	Mar	Apr	May	Jun	Jul
1 Critical Tasks for BET Start Date	Dakota Co.	355 days	Mon 4/2/12	Thu 7/12/13								
2 Road Construction	MT	129 days	Mon 3/5/12	Thu 6/7/12								
4 140th & 147th Street Stations Design	MT	4 days	Mon 6/10/12	Fri 6/14/12								
16 Walk Up Station Construction	MT	179 days	Mon 10/1/12	Sun 1/26/13								
18 New Station Substantial Completion	MT	1 day	Fri 4/20/13	Fri 4/20/13	12/1							
20 Access to New Stations	MT	2 days	Mon 4/1/13	Mon 4/1/13								
26 Met Council P&ID Data	MT	1 day	Sat 5/18/12	Sat 5/18/12								
37 Proposed MVTA P&ID Data	MVTA	1 day	Sat 4/6/13	Sat 4/6/13								
38 Apple Valley Station Renovation	MVTA	128 days	Mon 2/2/12	Fri 1/26/12								
40 Network Connectivity	MT	254 days	Mon 4/30/12	Mon 4/22/13								
41 Vehicle Fleet	MVTA	209 days	Thu 3/1/12	Wed 12/5/12								
51 Training	MVTA	45 days	Tue 4/2/12	Mon 4/2/12								
53 Operating Contract	MVTA/MVTA	205 days	Mon 4/30/12	Fri 1/26/13								
57 Fare Collection	MT	254 days	Mon 4/30/12	Wed 4/26/13								
62 SOP Development	MVTA/MT/M1161	165 days	Thu 7/19/12	Thu 2/28/13								
67 Route SOPs	MVTA/MT/M1129	165 days	Mon 4/2/12	Fri 1/26/13								
70 Public/Security Protocol	Transit Police	212 days	Thu 7/26/12	Fri 1/18/13								
74 Fare Inspection	Transit Police/209	165 days	Wed 8/1/12	Fri 1/18/13								
78 Vehicle Incident Reporting	MVTA/MT/M1148	165 days	Thu 7/19/12	Mon 1/21/13								
81 Customer Service Response	MVTA/M15	205 days	Fri 4/28/12	Fri 4/1/13								
83 Signage and Wayfinding	MT	149 days	Mon 11/12/12	Fri 1/24/13								
85 ADA/200-Acc Joint Operations	MT/MVTA	168 days	Tue 6/12/12	Mon 4/15/13								
91 Automatic Passenger Counters	MT	40 days	Thu 1/18/13	Wed 2/27/13								
101 Regional AVL System Integration	MT	280 days	Thu 3/1/12	Wed 3/27/13								
111 Schedule Development	MVTA	172 days	Thu 6/14/12	Fri 4/12/13								
116 Public Input	MVTA	80 days	Mon 10/22/12	1/24/13								
118 Data Reporting	MVTA	147 days	Thu 11/1/12	Fri 1/24/13								
120 Transit Signal Priority	MT	346 days	Tue 1/2/12	Tue 4/23/13								
146 Real Time Signs & Announcements	MT	145 days	Mon 11/12/12	Fri 1/18/13								
159 Onboard Voice Announcements (AVAS)	MT	40 days	Thu 1/18/13	Wed 4/23/13								
161 Driver Assist System	MVTA	152 days	Tue 6/12/12	Wed 4/17/13								
167 Identity/Marketing/Branding	MT	138 days	Mon 3/12/12	Thu 3/14/13								

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## Upcoming Project Milestones

- Start of Operation  
DCRRA/ Met Council/ MVTA Board Action: March 2013
- Bus Technologies Installed: March 2013
- Driver Training Starts: April 2013
- Operating Contract Finalized: April 2013
- Walk-up Stations Construction Complete: May 2013





## Service Schedule - Proposed

- Original proposed schedule
  - Weekdays: 5 AM to 11 PM
  - Weekends: 7:30 AM to 10 PM
- DCRRA and Cedar Group requested group look at additional hours
  - Better serve MOA and airport employees and patrons
  - Better serve special events
- Criteria for review
  - Demand (Employment centers, Major shift times, Attractions, Special events)
  - Network connectivity
  - Cost





## Service Schedule - Options

- Option A – Add weekend morning hours
  - Allows riders to make major airport shift change at 6 AM
  - Weekdays: 5 AM to **11:40** PM; Weekends: **5** AM to **11:40** PM
  - \$178,000
- Option B – Add weekday and weekend morning hours
  - Allows riders to make major airport shift change at 5 AM
  - Weekdays: **3:30**AM to **11:40**PM; Weekends: **3:30**AM to **11:40**PM
  - \$258,000
- Option C – Match first and last Blue Line trips
  - Sunday to Thursday: **3:30** AM to **2:00** AM
  - Fridays and Saturdays: **3:30** AM to **3:30** AM
  - \$470,000



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## Service Schedule - Recommendation

- Extended schedule to address special events
  - Special events include evening sporting events, concerts, conventions in downtown Minneapolis
  - Weekdays: 5 AM to **11:40** PM
  - Weekends: 7:30 AM to **11:40** PM
  - Additional annual operating cost over original: \$128,000
- Reasons
  - Later service to MOA
  - Limited demand in other options doesn't justify cost
  - Security concerns for late night service
- Review ridership 18 – 24 months after service starts



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## Questions ?

