



NexTrip and Train Arrivals for Light Rail

Transportation Committee
9 February 2015

Brian Funk
Director – LRT Operations

SCADA

- It all starts with SCADA



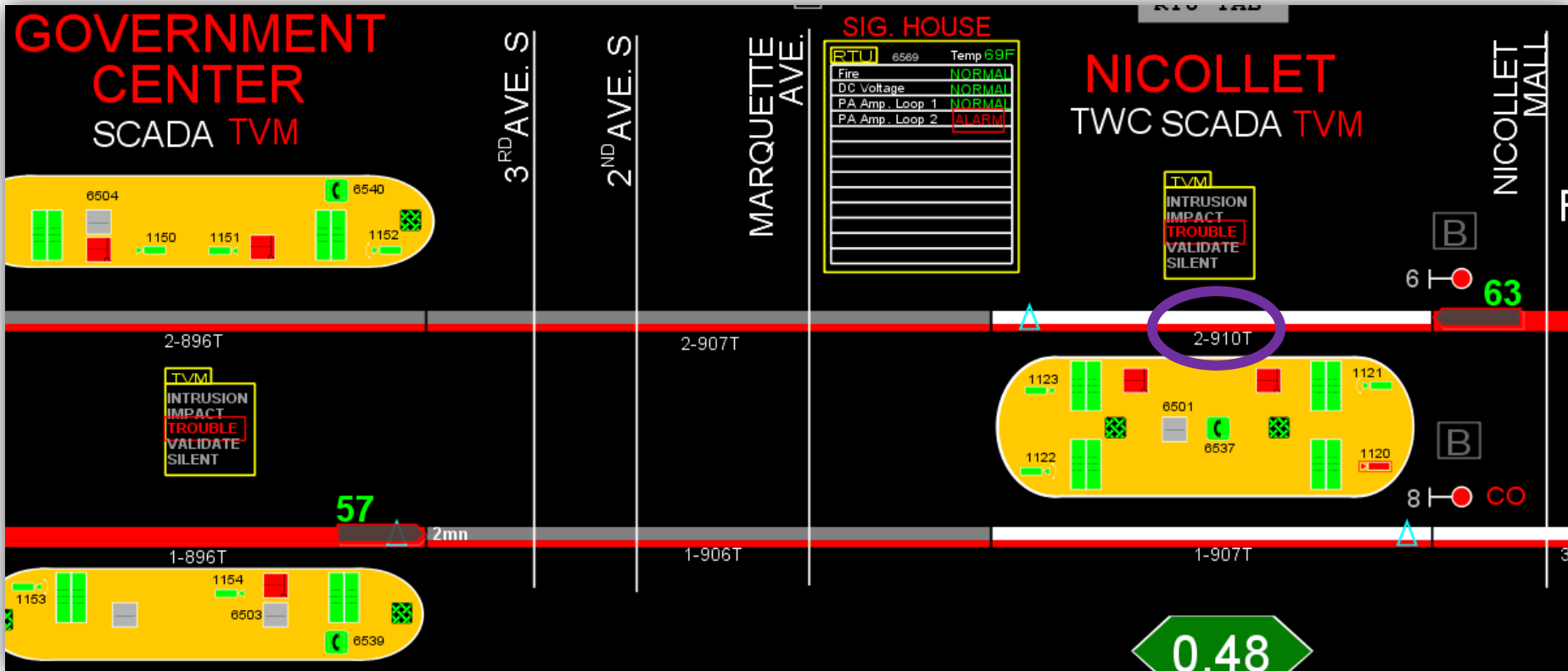
SCADA

- Schedule information monitored by RCC

Active Trains					
Train ID ▲	DC	Direction	Consist	Deviation	Track
01	130	Northbound	123-117-113	:00	DTE-1-878T
02	110	Southbound	103-115-119	:00	INT-2-932T
03	130	Northbound	118-109	:09	TK-1-323T
04	110	Southbound	120-114-111	02:16	TK-2-318T
05	130	Northbound	213-215-223	:55	TK-1-700T
06	110	Southbound	122-126	(:09)	TK-2-657PWT
07	110	Southbound	217-220-219	:43	TK-2-459T
08	130	Northbound	209-212-222	01:09	INT-1-101T
09	110	Southbound	116-105-110	:52	DTE-N-11ATP
10	130	Southbound	108-125-106	:00	TK-2-288T
11	130	Northbound	210-214	:00	TK-1-517T
51	220	Northbound	258-206-253	02:23	TK-1-03BT
52	220	Westbound	244-248-239	02:41	KEN-1-2585T
53	210	Eastbound	234-201-255	:54	UNI-2-2686DT
54	210	Eastbound	203-236-241	02:09	RMI-2-2382T
55	210	Southbound	233-218-240	01:15	TK-2-910T
56	210	Southbound	229-226-232	:00	INT-2-104T
57	210	Southbound	249-208-245	:00	INT-S1-402T
58	220	Westbound	235-238-259	02:40	WBI-1-2269DT
59	220	Westbound	202-254-204	:20	CUR-1-2381T
60	220	Westbound	227-250-225	:38	MNI-N-431ATP
61	220	Westbound	256-246-237	:00	UNI-2-2813T
62	210	Eastbound	228-247-231	(01:00)	STA-2-2582T
63	210	Eastbound	257-205-230	01:10	WBI-2-2269DT

SCADA

- Train tracking data





NexTrip

- Metrotransit.org and mobile devices
- Choose your route, direction, station or Stop Number
- Real-time for next 2 trains, scheduled for next 4

NexTrip

Get real-time departure times for your routes (?)

METRO Green Line - Westbound
Victoria St Station
Stop Number: 56033

NexTrip departs in 4 Min

Current Time: 1:52 pm

Route	Departs
Grn Green Line to Mpls-Target Field	4 Min
Grn Green Line to Mpls-Target Field	11 Min
Grn Green Line to Mpls-Target Field	2:14
Grn Green Line to Mpls-Target Field	2:24
Grn Green Line to Mpls-Target Field	2:34
Grn Green Line to Mpls-Target Field	2:44

• Real Time • Scheduled

[← BACK TO STOP SELECTION](#)

NexTrip

Get real-time departure times for your routes (?)

METRO Blue Line - Northbound
Franklin Ave Station
Stop Number: 51427

NexTrip departs in 6 Min

Current Time: 1:53 pm

Route	Departs
Blue Blue Line to Mpls-Target Field	6 Min
Blue Blue Line to Mpls-Target Field	16 Min
Blue Blue Line to Mpls-Target Field	2:18
Blue Blue Line to Mpls-Target Field	2:29
Blue Blue Line to Mpls-Target Field	2:39
Blue Blue Line to Mpls-Target Field	2:49

• Real Time • Scheduled

[← BACK TO STOP SELECTION](#)

22c

• Northbound C to N Lyndale/...
4th Ave S / 5th St S

22 minutes

491A

• Southbound A to Prior Lake...
4th Ave S / 5th St S

0 minutes
LAST

3 minutes

• Westbound to Mpls-Target F...
Government Plaza Station / Platform

6 minutes

• Northbound to Mpls-Target...
Government Plaza Station / Platform

Platform Messaging

- Next train in 2 minutes and Train Arriving



Platform train arrivals

- Displays train arrival countdown for next two trains
 - Minutes vs. Time



Unique Situations

- Service disruptions
- Single-tracking and reverse running
- MAC Shuttle
- Terminals



Customer Rollout

- Announced on social media Jan. 16

Metro Transit
January 16 at 4:10pm · 🌐

Big news! As many of you have noticed, the real-time arrival information at light-rail station platforms was rolled out earlier this week on both the Blue and Green lines. Also available is NexTrip real-time departures at metrotransit.org (both desktop and mobile).

Please understand this is still in a test phase and we are closely monitoring performance. If you notice anything particularly out of sync or otherwise not functioning properly, please let us know via our online comment form: metrotransit.org/comment-on-metro-transit-service

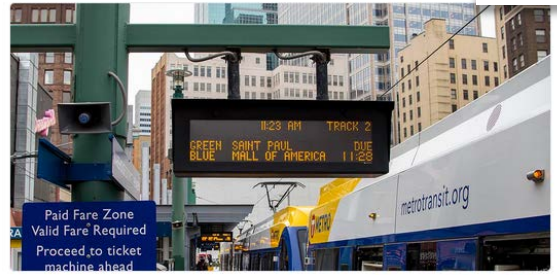


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TWEETS 7,787 FOLLOWING 570 FOLLOWERS 15.2K FAVORITES 1,321

Metro Transit @MetroTransitMN · Jan 16

Now available in test mode at Blue & G line stations & at metrotransit.org: Real arrival info!



21 🗨️ 34 ⋮ View more photos and videos

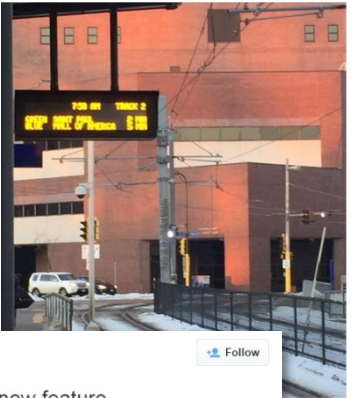
Max Powers @MaxPow3ers

@MetroTransitMN loving the real time info on train platform :-)



Lacey Nygard @laceyngard

I can't be the only one who is excited that @MetroTransitMN now shows the train schedule



Greta @gretas17

This is a great new feature @MetroTransitMN ! Thanks!



Final steps

- Complete final testing elements
- Gain experience during service disruptions
- Collect and analyze customer feedback

- Acknowledgements

- Questions?

Brian Funk – Director LRT Operations

Brian.Funk@metrotransit.org

612-341-5680