






Comparison of FY 06 Ride-On Route 15 WB Boardings Purple Line Forecast Boardings

Stop Location	AM Weekday WB Peak Period ON	AM Weekday WB Peak Period OFF	AM Peak Period ON BOARD	% of AM Total Peak Period WB Boardings	AM WB Peak Period Cumulative Boardings	Peak Period As % of Total Weekday WB Boardings At Stop	Total WB Weekday Boardings	Estimated PL Peak Period Boardings 2030	50% of PL Forecast Weekday Boardings	PL Forecast Weekday Boardings - Both Directions
LEBANON	172	0	172	16%	16%	51%	337			
UNIVERSITY	67	0	239	6%	22%	29%	231			
LEBANON	155	0	394	15%	37%	24%	641	510	1,500	3,000
NAVAHOE	27	0	421	3%	39%	37%	73			
CARROLL AVE	25	0	446	2%	42%	26%	97			
BAYFIELD	30	3	473	3%	45%	51%	59			
SEEKS	0	0	473	0%	45%	0%	8			
UNIVERSITY	155	13	615	15%	59%	39%	393	204	600	1,200
BARRON	17	0	632	2%	61%	37%	46			
GARLAND AVE	97	3	726	9%	70%	52%	187			
ARLISS	75	6	795	7%	77%	53%	142	255	750	1,500
GREENWOOD	32	9	818	3%	80%	27%	120			
FLOWER AVE	18	8	828	2%	81%	13%	136			
MANCHESTER	3	0	831	0%	82%	10%	29	153	450	900
BRADFORD	27	1	857	3%	84%	28%	97			
READING	8	6	859	1%	85%	15%	52			
SLIGO CREEK	145	4	1000	14%	99%	39%	376			
MANSFIELD RD	7	0	1007	1%	99%	11%	61			
SSI SCHOOL	0	3	1004	0%	99%	0%	19			
DALE DR	4	3	1005	0%	100%	14%	26	238	700	1,400
DARMOUTH AVE	1	0	1006	0%	100%	50%	2			
SPRINGVALE	2	2	1006	0%	100%	15%	13			
CEDAR	0	0	1006	0%	100%	0%	2			
FENTON	1	56	951	0%	100%	6%	16	119	350	700
GEORGIA AVE	0	20	931	0%	100%	0%	0			
DIXON	0	57	874	0%	100%	0%	2			
STATION	0	874	0	0%	100%	0%	0		0	0
TOTAL	1,068	1,068	N/A			34%	3,167	1,479	4,350	8,700

WEEK							
BEGINNING	MTA - PURPLE LINE STAFF	PLANNING DEPT STAFF - PL ACTIVITIES	MPAG	PLANNING BOARD	COUNCIL - ESTIMATE & NOT CONFIRMED	EXECUTIVE - ESTIMATE & NOT CONFIRMED	NOTES ON PL ACTIVITIES
Monday, July 14, 2008							
Monday, July 21, 2008		Meeting 07/22/08	Meeting 07/22/08				Focus On Parks / Bike / Ped
Monday, July 28, 2008							
Monday, August 04, 2008		Meeting 08/05/08	Meeting 08/05/08				Wayne Ave Simulation, Schedule, & Other Area Experiences
Monday, August 11, 2008							
Monday, August 18, 2008		Meeting 08/19/08	Meeting 08/19/08				Meeting Cancelled - Staff Conflict
Monday, August 25, 2008							
Monday, September 01, 2008		Meeting 09/02/08	Meeting 09/02/08				Focus On Operating Plan, Capacity, & Noise / Vibration
Monday, September 08, 2008							
Monday, September 15, 2008		Meeting 09/16/08	Meeting 09/16/08				
Monday, September 22, 2008	DEIS/AA Available - Estimated Date - 09/22/08						
Monday, September 29, 2008		Meeting 10/01/08	Meeting 10/01/08				Initial MPAG Review of DEIS/AA - 10/01/08
Monday, October 06, 2008							
Monday, October 13, 2008		Meeting 10/14/2008	Meeting 10/14/2008				
Monday, October 20, 2008		First Staff Draft Memo Available 10/20/08					
Monday, October 27, 2008		Meeting 10/28/08	Meeting 10/28/08				Initial MPAG Review of Staff Memo - 10/28/08
Monday, November 03, 2008							
Monday, November 10, 2008	DEIS/AA Public Hearing - Estimated Dates 11/10/08 - 11/13/08	Second Staff Draft Memo Available 11/10/08					
Monday, November 17, 2008		Meeting 11/18/08 - Final Staff Memo Posted On Web 11/20/08	Meeting 11/18/08 - Final Staff Memo Posted On Web 11/20/08				Final MPAG Review of Staff Memo - 11/18/08
Monday, November 24, 2008	Thanksgiving Week	Thanksgiving Week	Thanksgiving Week	Thanksgiving Week	Thanksgiving Week	Thanksgiving Week	Thanksgiving Week
Monday, December 01, 2008		PB Hearing Estimated Date - 12/04/08	PB Hearing Estimated Date - 12/04/08	PB Hearing Estimated Date - 12/04/08			

WEEK							
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Monday, December 08, 2008				↓ →	TSE Worksession Estimated Date 12/08/08		
Monday, December 15, 2008					Full Council Review Estimated Date 12/16/08		
Monday, December 22, 2008	DEIS/AA Comment Period Ends - Estimated Date - 12/22/08						
Monday, December 29, 2008	New Year's Week	New Year's Week	New Year's Week	New Year's Week	New Year's Week	New Year's Week	New Year's Week
Monday, January 05, 2009	Selection of LPA By MDOT - Estimated Date - January Through February 2009				↓		
Monday, January 12, 2009							
Monday, January 19, 2009							
Monday, January 26, 2009							
Monday, February 02, 2009							
Monday, February 09, 2009							MPAG Reviews LPA Selection - Identifies Remaining Issues For Functional Plan
Monday, February 16, 2009							
Monday, February 23, 2009							
Monday, March 02, 2009	Request To Enter PE & Submittal Of New Starts Application - Estimated Date - March 2009						
Monday, March 09, 2009							
Monday, March 16, 2009		Initial Staff Draft of Functional Plan Available					
Monday, March 23, 2009							MPAG Reviews Staff Draft of Functional Plan
Monday, March 30, 2009							
Monday, April 06, 2009		Finalize Staff Draft of Functional Plan					
Monday, April 13, 2009							
Monday, April 20, 2009							
Monday, April 27, 2009							
Monday, May 04, 2009							

WEEK									
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Monday, May 11, 2009									
Monday, May 18, 2009									
Monday, May 25, 2009									
Monday, June 01, 2009									
Monday, June 08, 2009									
Monday, June 15, 2009				Finalize Planning Board Draft of Functional Plan		FB Forwards Final Draft Plan To Council & Executive- Estimated Date 05/18/09			
Monday, June 22, 2009									
Monday, June 29, 2009									
Monday, July 06, 2009									
Monday, July 13, 2009									Executive Completes Fiscal Impact Analysis of Plan - Estimated Date 07/23/09
Monday, July 20, 2009									
Monday, July 27, 2009									
Monday, August 03, 2009									
Monday, August 10, 2009									
Monday, August 17, 2009									
Monday, August 24, 2009									
Monday, August 31, 2009									
Monday, September 07, 2009									
Monday, September 14, 2009								Council Holds Public Hearing On The Functional Plan - Estimated Date 09/15/09	
Monday, September 21, 2009									
Monday, September 28, 2009									
Monday, October 05, 2009									
Monday, October 12, 2009									
Monday, October 19, 2009								Council Adopts The Functional Plan - Estimated Date 10/19/09	

WEEK							
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Monday, October 26, 2009							
Monday, November 02, 2009		Publish Final Adopted Plan	←—————→				
February 2010	Complete FE & FEIS						
July 2011	Initiate Final Design						
Calendar 2012	Begin Construction						

Experiences In Other Areas

Seattle



- Urban growth boundary in place
- Station area planning after route and station locations identified
- Environmental impacts of significantly widening highways too high
- Light rail, 16 miles in length, 2/3rds grade separated, currently under construction
- Cars are 95 feet long, four car trains possible, six minute peak period headways
- Geography dictated some tunneling – otherwise the right of way takes would have been significant
- Never considered shared lanes or curb running
- Expect MLK corridor to function at least as well as it does now from traffic standpoint
- All pedestrian crossings are signalized
- DEIS contained suggested mitigation – specific recommendations in FEIS after selection of LPA
- Local sales tax, motor vehicle excise tax, \$500 million in FTA funding are primary sources
- Construction scheduling changes, community outreach during construction important
- Exclusive running way important where possible to enhance average speed

Experiences In Other Areas

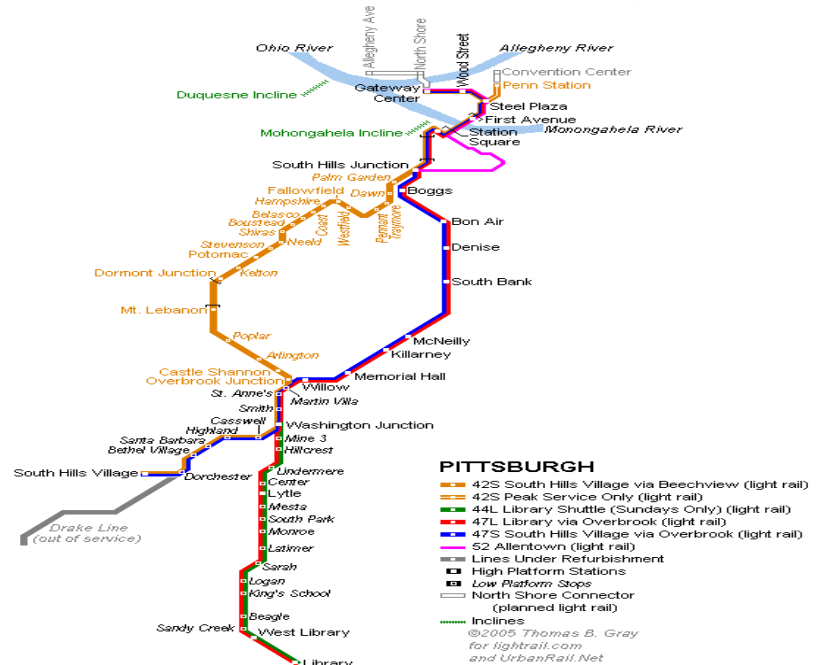
Los Angeles



- Try to use dedicated lanes where the right of way is available
- Vehicle types (door location and floor height) have played a role in median placement of LRT and curb lane BRT operation
- Expect any vehicular traffic to expand to fill any capacity created by transit
- Traffic diversion into neighborhoods usually predates the introduction of transit in most instances
- First projects opposed – subsequent projects have more support
- Studies of impact on value of single family residences show mixed results
- Bike path along Metro Orange Line BRT project – supportive of project
- Try to reach as much consensus as possible during AA/DEIS.
- Countywide 1% sales tax is primary funding source – also state and federal Section 5309 New Start funding.
- Existing and planned land use needs to be supportive of transit.

Experiences In Other Areas

Pittsburg North Shore Connector - LRT



Tunnel alignment selected to avoid portal in downtown street and because of safety concerns during baseball and football events

Project is under construction with support of adjacent neighborhoods

An extension of the MLK East Busway opened in 2003 with a linear park and trail

Estimated 275 meetings – community, staff , etc. - held during the DEIS and FEIS phases

New Start funding is 60% of total

Experiences In Other Areas

Charlotte



- No tunnel but an envelope through the convention center – similar to library proposal
- LYNX Blue Line is in its own exclusive running way – railroad right of way purchased by the city - for all but a 0.4 mile segment
- Alignment in median of South Blvd. because of land use and access considerations
- Traffic modeling identified need for grade separation after completion of FEIS.
- Emphasis on signal coordination to help minimize impact resulting from diversion of traffic into neighborhoods
- Public generally supportive during planning and design, less during construction, and more supportive since opening
- Investment in areas around stations has been significant
- Four mile pedestrian /bike trail next to corridor
- Funded through dedicated $\frac{1}{2}$ % city sales tax (32% of capital plus operations), plus federal (43% of capital) and state (25% of capital).

Experiences In Other Areas

Portland



Tunneling used where topography requires it – otherwise prefer at grade because it compliments adjacent land uses and is less expensive

Always try to use dedicated lanes – two unique places are exceptions

Alignment is sometimes in the median (on two-way segments) and sometimes on the curb (on one-way segments)

With respect to crossing streets, found that LRT is rarely the deciding factor in capacity.

Numerous techniques used to channel pedestrians – sight distances are important

Community reaction has varied from “joy to fear” during planning and construction – key is remain open to all input.

Property values have risen