

WEST LRT UPDATE

The City of Calgary's West LRT status report

September 2011



Website Update – westlrt.ca

- **New Time Lapse Video:** Check out the time lapse on the Construction Overview web page showing crews installing the 24 Street pedestrian bridge over Bow Trail.
- Sign up to receive Traffic Alerts and e-Newsletters through your e-mail at westlrt.ca.
- The website is updated weekly and sometimes daily. Check out the **Construction and Traffic Map** and **What's New** web pages for up-to-date information on traffic impacts, construction progress and project information.

Sunalta Station Area and Elevated LRT Guideway

- Crews are welding the LRT elevated guideway track through September.
- Painting the LRT elevated guideway will continue in September.
- The pedestrian bridge piers between Sunalta Station and the Greyhound bus depot are under construction. Crews are scheduled to install the bridge spans in September.
- LRT station glass and cladding installation will continue in September.
- The station copper roofing is scheduled to be completed in September.
- The Sunalta Station north and south station heads are scheduled to be fully enclosed in September.

Shaganappi Point Station Area

- Track work is ongoing in the median of Bow Trail including excavation, utility and duct work, drainage and sub-ballast.
- Crews are scheduled to complete the north bridge abutment in September.
- Crews are scheduled to pour the 24 Street S.W. pedestrian bridge deck in September, which will open in late fall 2011.
- The copper roofing installation on the LRT station roof began and will continue through September.
- Internal mechanical and electrical work is ongoing in the utility building.

To keep current on the project and its progress, please visit westlrt.ca

How It's Made: LRT tunnels

Check out the latest How It's Made video on the Construction Overview web page at westlrt.ca. You can watch the various steps of how crews constructed the 800m LRT tunnel at the Westbrook Station.

Westbrook Station Area

- Crews are scheduled to complete the TOD building foundation and underground parkade structure in September.
- Crews are scheduled to pour the main floor of the TOD building in September.
- The 800m LRT tunnel is completed.
- Crews are now backfilling the Westbrook Station and the LRT tunnel guideway and will continue through fall 2011.
- All ten skylight frames will be installed in the Westbrook Station ceiling in September.
- Crews are installing the north station head escalators in September.
- Electrical rough ins are underway in the station.
- The large steel oval-shaped frame for the south station head is now in place.
- Crews are constructing the LRT track plinths through the 800m LRT tunnel guideway.
- 35 Street S.W. is scheduled to open to vehicles at 17 Avenue S.W. in September. The pedestrian bridge will close in September to accommodate the road work.
- The temporary bridge at Boston Pizza is scheduled to be removed in September. Access from 33 Street S.W. to Westbrook Mall will close for approximately one week.

OPEN- Westbrook Mall and Boston Pizza

You can access Westbrook Mall and Boston Pizza from eastbound and westbound Bow Trail, 37 Street S.W., and 33 Street S.W.



THE CITY OF
CALGARY

Businesses In Your Community

There are hundreds of businesses through the West LRT area along 17 Avenue S.W. that deserve your patronage. Whether you are looking for international cuisine or delis, auto parts, beauty shops or music stores, your community businesses offer convenience, proximity and worthwhile products and services.

This summer take a walk or ride your bike and visit your local businesses. By supporting your local businesses you are helping to build a vibrant community.

45 Street Station Area

- The 45 Street S.W. bridge is scheduled to fully open in September 2011, which includes the permanent signal timing and traffic lanes.
- The steel arches were installed over the station plaza and LRT platform in August.
- Crews began painting the sandstone-like station walls in August.
- Crews are back filling the station walls in fall 2011.
- SNC-Lavalin ENMAX is installing the electrical equipment in the traction power station.
- Crews completed the LRT track construction between 47 Street S.W. and Sarcee Trail.

Sarcee Trail/17 Avenue S.W. Interchange

- Crews are focusing efforts on grading and paving a number of on and off-ramps.
- Southbound Sarcee Trail will shift to the permanent traffic lanes north of the 17 Avenue S.W. bridge in September.
- Crews poured the 17 Avenue S.W. bridge deck.
- Crews installed the LRT tracks on the LRT bridge and will commence fine tuning work.
- Crews are working on the permanent northbound Sarcee Trail traffic lanes in September.
- SNC-Lavalin ENMAX is installing the electrical equipment in the traction power station northwest of the

bridge.

- Crews are using the existing stockpiles to grade the interchange and back fill tunnel areas. For more information on stockpiles, visit the **Construction News** web page at westlrt.ca.

Sirocco Station Area

- Crews installed the LRT tracks from the LRT bridge over Sarcee Trail to the Sirocco Station.
- The station roof is ready for the copper installation, which will commence once the copper is installed on the Shaganappi Point Station.
- Crews continue to construct the permanent pedestrian islands at Costello Boulevard in September.
- With the external building complete, SNC-Lavalin ENMAX is installing the electrical equipment in the utility building.
- LRT alignment retaining wall, drainage and utility work between Costello and Christie Park Gate will continue through September.
- All back filling is completed in the LRT tunnel area between Christie Park Gate and 69 Street S.W.

69 Street Station Area

- Track plinths and LRT rail construction continue in the tunnels.
- Crews are constructing the permanent eastbound and westbound 17 Avenue S.W. lanes in September.
- Crews are constructing the walls of the traction power substation.
- Crews are scheduled to begin the roofing on the east station head in September.
- Crews continue to construct the west station head walls.
- The precast, sandstone-printed LRT station walls are installed on the east end of the station with installation of the west end walls beginning in September.
- Crews will begin constructing the LRT platform in September.
- In August, The Calgary Board of Education received permanent access to the parkade bottom floor.
- A temporary sidewalk on the west side of 69 Street S.W. connects 17 Avenue and Springborough Boulevard.

Traffic Alerts

Go to westlrt.ca and sign up on the home page to receive e-mail alerts for West LRT project traffic impacts.

This service provides timely notification about traffic disruptions in the West LRT construction areas.



UPCOMING CONSTRUCTION AND TRAFFIC IMPACTS – SEPTEMBER 2011

(In order from east to west)

Dates are subject to change based on weather and the Design-Builder’s schedule

Check the Construction and Traffic Map on www.westlrt.ca for the latest up-to-date information on traffic impacts to construction

WHERE	WHEN	WHY	COMMENTS
Closure of 14 Avenue access at 33 Street S.W.	September 2011	To accommodate underground utility work	Residents must enter community from 26 Street S.W. and 17 Avenue S.W.
Westbound Bow Trail lane shifts between Crowchild Trail and 33 Street S.W.	September 2011	Road completion	As the road work finishes along the corridor, Bow Trail will begin to shift to its permanent traffic lanes at various locations.
Northbound and southbound 33 Street S.W. between Bow Trail and 17 Avenue is reduced to one lane in each direction	September 2011	To accommodate underground utility work.	Access to Westbrook Mall will remain open from 33 Street S.W.
Access CLOSED to Westbrook Mall and Boston Pizza from 33 Street S.W.	Approximately one week in late September or early October	To remove the temporary bridge and construct the permanent access	Westbrook Mall and Boston Pizza can be accessed from eastbound and westbound Bow Trail, and 37 Street S.W. while the accessed is closed at 33 Street S.W.
Reduce northbound and southbound 37 Street S.W. to one lane in each direction, north of 17 Avenue S.W.	September 2011	To accommodate work that will restore the 17 Avenue/37 Street S.W. intersection	LRT tunnel construction must be complete prior to crews restoring the intersection. Major delays are expected. Vehicles can use 33 Street S.W. during this time.

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WHERE	WHEN	WHY	COMMENTS
Full closure of 45 Street S.W. and restoring the 17 Avenue/45 Street S.W. intersection	Closure: September 9 –11 Intersection restored: Week of September 19	Bridge work is complete	
47 Street S.W.—right-in-right-out intersection at 17 Avenue S.W.	September 2011	Track work is complete	No left turns allowed once the permanent right-in-right-out is in place.
Sarcee Trail lane shifts	September 2011	To accommodate permanent traffic lane construction.	All traffic lanes will remain open during the peak period. Single lane closures may be necessary during off-peak hours.
Shift eastbound 17 Avenue S.W. onto permanent traffic lanes between 69 Street S.W. and Christie Park Gate	September 2011	LRT tunnel construction is complete	
Shift northbound and southbound 69 Street S.W. onto the permanent traffic lanes on 69 Street S.W. bridge, south of 17 Avenue S.W.	September 2011	Bridge construction is complete	

ONGOING CONSTRUCTION AND TRAFFIC IMPACTS

In order from east to west as shown on the Construction and Traffic Map at www.westlrt.ca
Dates are subject to change based on weather and the design-builder schedule

WHERE	WHEN	WHY	COMMENTS
<p>Pot holes: Crews monitor roads within the project boundary to ensure pot holes are filled as soon as possible when weather permits.</p> <p>Dust: The City is working with the contractor to minimize the potential dust and erosion issues of the stockpiles. For a long-term solution, the contractor has hydroseeded the stockpile, which will grow grass to help prevent dust when winds are high. If the dirt is required in the short term for construction use, the contractor will spray down the stockpile with water or a polymer-based spray (tackifier), which will help confine the dirt to the pile and help mitigate dust.</p> <p>Traffic Signals: The City is monitoring traffic signal timing daily and makes adjustments when appropriate to ensure vehicles travel through intersections in the construction zone as efficiently as possible. Keep in mind, the space required for construction prevents signal timing to reflect what motorists experienced before construction began. Traffic delays will happen. Please plan your commute accordingly.</p>			
Speed reduced to 50km/h for duration of construction within construction zones	Ongoing until West LRT construction ends	For safety and protection of commuters and construction workers	Please drive safely and obey all traffic signs. Adjust your commuting times accordingly.
Night Work along 17 Avenue S.W.	As required through 2011	To accommodate LRT tunnel and utility construction	Sign up for Traffic Alerts at westlrt.ca to be informed on upcoming night work.
On/off ramp traffic restrictions- 10 Avenue S.W. and Bow Trail	September 2011	To accommodate retaining wall work	A flag person will control inbound and outbound traffic between Bow Trail and 10 Avenue S.W.
Lane Reduction- West-bound Bow Trail is reduced to two lanes from Crowchild Trail to 33 Street S.W.	Ongoing until fall 2011	To accommodate LRT and Station construction	Major delays are expected in the afternoon peak period. Please plan your commute accordingly.
A number of Bow Trail lane shifts between 26 Street S.W. and Crowchild Trail.	Ongoing through fall 2011	To accommodate underground utility construction	All traffic lanes will remain open during each lane shift.
Temporarily Closed- 24 Street pedestrian bridge	Ongoing until late 2011 when a newly designed bridge is scheduled to open	To accommodate the future LRT alignment and Bow Trail traffic lanes	Pedestrians and cyclists must use 26 Street S.W. to cross Bow Trail.

ONGOING CONSTRUCTION AND TRAFFIC IMPACTS

WHERE	WHEN	WHY	COMMENTS
Temporary Four-way Stop- 14 Avenue/26 Street S.W. intersection	Ongoing until the end of construction	To reduce traffic speeds in the playground zone	Once construction is complete, the temporary four-way stop will be removed.
Temporary Access to Westbrook Mall on westbound Bow Trail	Ongoing until fall 2011	To accommodate LRT tunnel construction	To supplement the temporarily reduced left turn bay capacity at 33 Street S.W.
Left hand turn bays removed on 17 Avenue S.W. between 33 Street and 37 Street S.W.	Ongoing until fall 2011	To accommodate construction of LRT tunnel and trench on north side of 17 Avenue S.W.	
Closed- 35 Street S.W. north of 17 Avenue S.W.	Ongoing until fall 2011	To accommodate LRT tunnel construction	Motorists can access 35 Street from 16 Avenue via 37 Street S.W. A temporary cul-de-sac is in place for vehicles.
Alternate Traffic Movement- Intersection of 17 Avenue and 37 Street S.W.	Ongoing daily between 3 and 6 p.m.	To ensure Calgary Transit bus service maintains its schedule and the intersection operates efficiently	ONLY Calgary Transit buses can turn left from eastbound 17 Avenue to northbound 37 Street during this time.
Business Access- north of 17 Avenue S.W, east and west of 37 Street S.W.	Ongoing until fall 2011	To accommodate construction on the LRT tunnel	Businesses east of 37 Street S.W. can be accessed from 37 Street S.W. or 16 Avenue S.W. Businesses west of 37 Street S.W. can be accessed from 38 Street S.W. and 37 Street S.W.
New Access- Glenside Drive at 17 Avenue S.W. is relocated 50m east of original access.	Ongoing until late 2011	To accommodate construction of the Sarcee Trail Interchange and the LRT bridge	The two bus stops in the area are relocated to 47 Street S.W. Once construction allows it, a permanent pedestrian signal light will be installed at 47 Street S.W.

ONGOING CONSTRUCTION AND TRAFFIC IMPACTS

WHERE	WHEN	WHY	COMMENTS
Dirt Stockpile Area- Sarcee Trail	Ongoing until 2012	This area is the only area along the alignment that can accommodate stockpiling of dirt, which will be used throughout West LRT construction, including fill for the interchange and LRT tunnels	<p>The stockpiles are within the road right-of-way and West LRT construction zone.</p> <p>The contractor is monitoring and mitigating dust and erosion through watering, hydro seeding, and tracking.</p> <p>Please call 3-1-1 if you are experiencing high levels of dust.</p>
Detour Road- Sarcee Trail and 17 Avenue S.W.	Ongoing until summer 2012	To accommodate construction of the permanent 17 Avenue S.W. alignment and conduct utility relocations	All traffic lanes will remain open.
Sarcee Trail and 17 Avenue S.W. intersection	Ongoing until summer 2012	To accommodate interchange construction	<p>The left hand turn bays are shortened to make room for construction.</p> <p>The intersection location will shift as the Sarcee Trail lanes move to the permanent alignment through 2011.</p>
Closed- Pathway between Wentworth Manor and the Calgary Islamic Centre	Ongoing until West LRT opens for revenue services	To accommodate Si-rocco Station construction	Pedestrians can connect to 17 Avenue S.W. via Costello Boulevard and 14 Avenue.
Closed- Pedestrian Staircase from Christie Park Hill to 17 Avenue S.W.	Ongoing until late 2011	To accommodate utility relocations, utility building construction, retaining walls, LRT track, LRT station, intersection construction and 17 Avenue S.W. road alignment	Pedestrians can access 17 Avenue S.W. by walking to Costello Boulevard.

ONGOING CONSTRUCTION AND TRAFFIC IMPACTS

WHERE	WHEN	WHY	COMMENTS
Temporary traffic lane alignments on 17 Avenue S.W. between Christie Park Gate/ Simcoe Boulevard and 69 Street S.W.	Ongoing until fall 2011 when crews will construct and open the permanent 17 Avenue S.W. lanes		Two eastbound lanes and two westbound lanes are maintained during construction.

Other City of Calgary Road Closures You Should Know About

- **7 Avenue LRT Refurbishment project (Transportation Infrastructure):** Please visit Calgary.ca/ti for more information.
- **Westbound Bow Trail Bridge Rehabilitation (Calgary Roads):** Ongoing through 2011, the westbound Bow Trail bridge is undergoing a scheduled maintenance to ensure it is structurally sound and safe for motorists. Two westbound Bow Trail lanes will remain open during the afternoon peak periods during the rehabilitation. This bridge rehabilitation is not part of the West LRT project but it will have adverse traffic impacts within the construction zone. Please visit calgary.ca/roads or call 3-1-1 for more information on the closure.