

WEST LRT UPDATE

The City of Calgary's West LRT status report

June 2011



Website Update – westlrt.ca

- New Feature: westlrt.ca now has developed a Community Mailbag video series to answer some frequently asked questions. Find the first video in the series on the What's New page.
- 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 scheduled to complete the inbound and outbound track plinths on the elevated guideway in June.
- SNC-Lavalin ENMAX is commissioning electrical equipment in the traction power station at Shaw Millennium Park with installation slated for July.
- Crews are constructing elevator shafts at the station.
- Installation of the copper roof is ongoing through June.
- Construction for the elevated guideway west abutment and retaining walls will continue through June.
- Crews finished assembling the elevated guideway structure and have disassembled the launching truss.

Shaganappi Point Station Area

- Crews are working to shift westbound Bow Trail between Crowchild Trail and 26 Street S.W. onto permanent alignment in June.
- Crews will complete the permanent roadworks on 24 Street S.W. in June.
- The 24 Street S.W. pedestrian bridge steel structure is scheduled to be installed over Bow Trail in July.
- SNC-Lavalin ENMAX is installing the electrical equipment in the traction power station at 24 Street S.W. and will begin cabling in July.
- LRT Station platforms, structural steel, and arches have been installed, and roofing installation is underway.
- Exterior work on the utility building is nearly complete.

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

Shaganappi Point Golf Course

The golf course is now open for play for the 2011 golf season. You can access the course from westbound or eastbound Bow Trail at 26 Street S.W. Read more at calgary.ca/golf.

Westbrook Station Area

- Installation of track plinths inside the station began.
- Pouring of the final tunnel sections east of 33 Street S.W. is nearly complete with backfilling to commence soon.
- Concrete pouring for the Traction Power Station foundation walls near 29 Street S.W. is complete.
- Crews continue to pour the TOD building foundation and its underground parkade structure.
- Work on the LRT station roof structure is nearing completion.
- Crews continue to pour the foundation of the south station head and curved tunnel sections.
- A temporary pedestrian bridge links pedestrians between 17 Avenue S.W. and 16 Avenue S.W. at 35 Street S.W. until 35 Street S.W. re-opens in summer 2011.
- Crews continue concrete pours on trench walls west of 37 Street S.W.
- Crews began installing the emergency tunnel ventilation fan system.

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

Business Access on 17 Avenue S.W.

You can access businesses on the north side of 17 Avenue S.W., **east of 37 Street**, from 37 Street and 16 Avenue.

You can access businesses on the north side of 17 Avenue S.W., **west of 37 Street**, from 38 Street S.W. and 37 Street S.W.

45 Street Station Area

- Waterproofing of the east bridge deck is ongoing.
- Excavation and retaining wall work is underway.
- The permanent traffic signals are scheduled to be installed at the 17 Avenue/45 Street S.W. intersection this summer.
- The west access for the station is scheduled to be completed in June.
- Crews are scheduled to pour the station pedestrian ramp in June.
- Crews installed the precast LRT platform panels.
- The west end retaining wall sections are completed.
- Underground utilities and track work continues at 47 Street S.W., with the reopening scheduled for June.

Sarcee Trail/17 Avenue S.W. Interchange

- Work on the parapet walls atop the Westwood Drive retaining wall will be completed in June.
- Completion of the east bridge abutment retaining wall is scheduled for June.
- Crews finished pouring the LRT bridge deck, and work on track plinths is now underway.
- Deck work continues on the 17 Avenue S.W. bridge.
- Grading and utility relocations are underway for the permanent southbound Sarcee Trail lanes, as well as for the on and off ramps.
- SNC-Lavalin ENMAX is installing the electrical equipment in the traction power station northwest of the bridge.

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.

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

Sirocco Station Area

- Station roofing is now underway, with wood roof panel installation slated for June.
- Crews are installing the architectural finishes on the utility building.
- Major utility and track work is underway at Costello Boulevard, which is scheduled to be complete in early July.
- Crews began rock patterning work on the retaining walls between Costello Boulevard and Christie Park Gate.
- SNC-Lavalin ENMAX is installing the electrical equipment in the traction power station near Christie Park Gate.
- Crews are grading the south pedestrian walkway.

69 Street Station Area

- Electrical and mechanical work is ongoing in the LRT tunnels.
- Crews finished pouring the east station head deck and east station head wall construction is underway.
- Foundation work on the station began.
- Excavation and shotcreting is complete for 69 Street Station and continues for the storage track to 73 Street S.W.
- Mechanical and electrical work is ongoing in the parkade with completion planned for August.
- Exterior architectural elements are scheduled to be completed in June.
- Foundation work for the utility building is complete and wall work is underway.
- Removal of the temporary bridge is slated for June with traffic shifting onto a temporary road detour.
- A temporary sidewalk on the east side of 69 Street S.W. connects pedestrians between 17 Avenue S.W. and Springborough Boulevard.

West Calgary High School

- The City officially transferred control of the high school to the Calgary Board of Education in late May. Programs in the building will commence as early as June 2011.



UPCOMING CONSTRUCTION AND TRAFFIC IMPACTS – JUNE 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
Lane closures on east-bound Bow Trail Bridge	June—off peak hours	To accommodate construction of the elevated guideway.	
Close Bow Trail between Crowchild Trail and 33 Street S.W. for one night.	Early July, 2011	To accommodate installation of the steel structure for the new 24 Street pedestrian bridge.	Crews will work through the night. Drivers will be detoured to 17 Avenue S.W. during the closure.
Temporarily change southbound Crowchild Trail to eastbound Bow Trail ramp from merge to yield	Mid-June and in place for three weeks	To accommodate underground utility construction.	Expect delays during the morning peak period.
Shift westbound Bow Trail between Crowchild Trail and 26 Street S.W. onto permanent alignment	Beginning of June	To accommodate shifting of Bow Trail onto permanent alignment.	All lanes will remain open.
Open the permanent 24 Street S.W. access at westbound Bow Trail	Mid-June	Completed utility and road work.	
A number of eastbound Bow Trail lane shifts between 26 Street S.W. and Crowchild Trail.	June	To accommodate underground utility construction.	All traffic lanes will remain open during each lane shift.
33 Street S.W. between 14 Avenue and Bow Trail reduced to one lane in each direction	Mid-June for two weeks	To accommodate water-line installation.	
Eastbound Bow Trail between 33 Street and 29 Street S.W. shifted onto permanent alignment	Late June	To accommodate shifting of Bow Trail onto permanent alignment.	Tunnel backfilling and new road structure must precede the shift.

UPCOMING CONSTRUCTION AND TRAFFIC IMPACTS – JUNE 2011

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WHERE	WHEN	WHY	COMMENTS
Reopen 47 Street S.W. access at 17 Avenue S.W. to all-turns	Mid-June	Completing of track work.	The intersection will become a permanent right-in-right-out (no left hand turns) intersection in late 2011.
Southbound Sarcee Trail lane shifts	Mid-June	To accommodate permanent Sarcee Trail road work.	All traffic lanes will remain open during this time.
Widen 17 Avenue S.W. intersection	End of June	To accommodate shifting of Sarcee Trail onto permanent alignment.	All turning movements will remain after the widening, Traffic signals will change to accommodate the widening.
Full closure of Costello Boulevard north of 17 Avenue S.W. intersection	June 30 to July 4 (July long weekend)	To complete track work.	More details on the traffic restrictions and detour routes will be available on westlrt.ca and in the Traffic Alerts closer to the date.
Full closure of 69 Street S.W. // 17 Avenue intersection	Friday, June 10, to Monday, June 13	To accommodate the final roadwork, which will reopen to traffic on Tuesday morning.	Once reopened, work will continue on the permanent intersection with the turning lanes restored in late June/July 2011. More details on the traffic restrictions and detour routes will be available on westlrt.ca and in the Traffic Alerts closer to the date.

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.
Lane Reduction- Westbound 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.
Temporarily Closed- 24 Street pedestrian bridge	Ongoing until summer 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.
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	The City will monitor this location during construction. Adjustments deemed necessary will be communicated to the community. Once construction is complete, the temporary four-way stop will be removed.

ONGOING CONSTRUCTION AND TRAFFIC IMPACTS

WHERE	WHEN	WHY	COMMENTS
Realignment- east-bound and westbound Bow Trail temporarily shifted north between 28 Street and 33 Street S.W.	Ongoing until Spring 2011	To accommodate construction of the Bow Trail permanent alignment and LRT tunnel	Calgary Transit will cease service on 12 Avenue S.W. in 2011. More information on impacts to bus stops and routes will be posted at calgarytransit.com once dates are confirmed.
Temporary Access to Westbrook Mall on westbound Bow Trail	Ongoing until summer 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.	Motorists can still make left hand turns. Left turn signals will be removed when dual turn bays are in place at 33 Street S.W.
Closed- 35 Street S.W. north of 17 Avenue S.W.	Ongoing until summer 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.

ONGOING CONSTRUCTION AND TRAFFIC IMPACTS

WHERE	WHEN	WHY	COMMENTS
Narrowed- 42 and 45 Street S.W. bridges	Ongoing until trench construction and Station construction is complete	To accommodate construction area for LRT trench and station	Full access and turning movements will be maintained.
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	<p>The two bus stops in the area are relocated to 47 Street S.W.</p> <p>Once construction allows it, a permanent pedestrian signal light will be installed at 47 Street S.W.</p>
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 2011	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>

ONGOING CONSTRUCTION AND TRAFFIC IMPACTS

WHERE	WHEN	WHY	COMMENTS
Closed- Pathway between Wentworth Manor and the Calgary Islamic Centre	Ongoing until West LRT opens for revenue services	To accommodate Sirocco Station construction	Pedestrians can connect to 17 Avenue S.W. via Costello Boulevard and 14 Avenue S.W.
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.
Temporary traffic lane alignments on 17 Avenue S.W. Christie Park Gate/Simcoe Boulevard and 69 Street S.W.	Ongoing until spring 2011 when it will be necessary to remove the temporary bridge and construct the permanent eastbound and westbound 17 Avenue S.W. lanes.		Two eastbound lanes are maintained on the temporary bridge and two westbound lanes are maintained on a temporary detour road, north of the bridge.

Other City of Calgary Road Closures You Should Know About

- **7 Avenue LRT Refurbishment project (Transportation Infrastructure):** Northbound and southbound 11 Street S.W. is closing at 7 Avenue from May 6 to June 2011 to accommodate underground utility relocations. Traffic will be detoured to 10 Street S.W. during this time. Please visit Calgary.ca/ti 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.