

## Site C Construction Schedule: February 6 – February 19, 2021



All twelve bridge piers for the Halfway River are now complete and steel girders are being installed on top. In this area, the reservoir will cover the existing highway and bridge, requiring re-alignment of the highway and construction of a new bridge. This new segment of highway will be three kilometres long, and the new bridge will be one kilometre long. See more project photos in the [image gallery](#).

### News and highlights

- The [latest employment statistics](#) show that there were 4,428 total workers on the Site C project in December 2020.
- BC Hydro is applying for an EAC amendment to allow trucks to haul materials from the 85th Avenue Industrial Lands to the dam site when the conveyor is being maintained or repaired. The conveyor will be maintained approximately 10 days a year. Read more [here](#).

### Did you know?

**Milestone:** Crews installed the last of 205 foundations on the second 500 kV 75-kilometre transmission line last week. The new line will connect Site C to the Peace Canyon Generating Station. The foundations are made of helical piles and anchors.

- [Information sheet: Transmission works \[PDF\]](#)



The helical piles are tall steel pipes with a screw at the bottom (the helix). The pipes are twisted deep into the ground, pull tested to confirm their strength, and a steel cap is welded on top before the transmission tower is placed above. Overall, 3,800 helical piles have been installed.

## COVID-19 update

- To date, BC Hydro has been notified of 45 positive cases of COVID-19 related to people working on the project since March 2020.
- BC Hydro continues to work with Northern Health and provincial health officials to [monitor for COVID-19](#) and protect our workforce and partner communities.
- BC Hydro is complying with the [Industrial Projects Restart Order](#) issued by the Provincial Health Officer.

## Dam site area – north bank and south bank

- Some dam site activities may be scaled back due to a reduced workforce, in compliance with the Industrial Projects Restart Order.
- Both the upstream and downstream cofferdams have been installed across the river and interlocking steel pile walls have been completed. Pumping out of the water between the cofferdams is currently underway and expected to continue into February.
- In-river excavation, approach channel excavation, drilling and grouting, and underground works on the north and south drainage features are underway. All work fronts are being monitored and maintained to meet environmental and regulatory commitments.

- Powerhouse construction is continuing. This includes concrete placements at the powerhouse, intakes and spillway, installation of penstock segments, and construction of the steel super-structure for the powerhouse.
- The turbines and generators contractor continues to deliver components and materials to site for storage. The contractor has commenced installation of the turbine embedded components for Units 1 and 2, and pre-assembly of larger components has commenced in the main service bay of the powerhouse. Turbine runners 1 and 2 were delivered from Brazil to site during January and early February 2021.
- The creation of the headpond is underway. This means water levels could increase or decrease rapidly. Caution should be exercised at the shoreline upstream of the dam site area. Learn more about river diversion and headpond formation: [sitecproject.com/diversion](https://sitecproject.com/diversion)

## **Hudson's Hope shoreline protection berm**

- The [construction of a 2.6-kilometre-long berm](#) to protect the shoreline of Hudson's Hope is underway.
- Activities occurring on site include vegetation clearing and stripping of material from the shoreline, hauling of riprap from Portage Mountain Quarry to site stockpiles, and hauling riprap from the site stockpiles and placing in the river to build the berm.
- Excavation, processing and stockpiling of berm fill materials may commence on site in Zone B near the Hudson's Hope works yard.
- Water quality monitoring has been installed in the Peace River and a swift water rescue team is operating in the river during the work. Boaters are asked to obey signage and stay clear of the work area for safety reasons.

## **Highway 29**

### *Cache Creek East*

- Construction work at Cache Creek currently includes grading, drainage and piling works.
- The contractor is installing test piles for bridge foundations, and is constructing a bridge pier mock-up in the Peaceview Borrow Pit.
- The contractor is also constructing a temporary detour and bridge beside the existing Cache Creek bridge, which will be used in the unlikely event that the existing bridge is impacted by the diversion head pond.
- Distribution vegetation brushing work is underway as part of the preparation work for the temporary distribution line installation along the detour route. The line will be used in the unlikely event that the existing line is impacted by the diversion head pond.

### *Halfway River*

- Construction of a 1,042-metre-long bridge at [Halfway River](#) continues. This includes delivery and installation of bridge steel girders and the delivery of precast concrete deck panels.
- Construction of bridge abutments continues including installation of bridge abutment rebar, formwork and concrete.
- The installation of steel bridge girders will continue. Girders will be lifted into place using two large cranes.

### *Farrell Creek East*

- Crews and equipment may begin mobilizing to site.

## *Farrell Creek*

- Construction is continuing on the new highway and bridge at Farrell Creek. Current activities include access construction, aggregate processing and stockpiling, development of material disposal and extraction areas and site preparation for bridge foundations.
- Tree clearing and vegetation removal will continue, including the construction of temporary access bridges and roads for reservoir clearing.
- Excavations and the construction of berms for bridge foundations are in progress. This may require single lane alternating traffic on Highway 29.
- The installation of bridge piles will continue including drilling into bedrock, installing steel pile casings and pouring concrete.

## *Dry Creek*

- Construction at Dry Creek is on temporary winter shutdown and will resume in spring 2021.

## *Lynx Creek*

- Activities at the site include clearing, grubbing, and stripping of work areas, the development of borrow sites as well as the construction of access roads.
- Gravel extraction will occur at various locations including Gates Island; gravel will be hauled and placed along the new highway alignment.
- The contractor will continue to construct a berm to divert Lynx Creek to allow for bridge construction.
- Burning of waste wood may occur, as well as hauling merchantable logs to mills.
- [Visit our website](#) for more Highway 29 schedules, maps and construction updates.

## **Reservoir area clearing**

- Field surveys and investigations may occur along the reservoir.
- Clearing activities and access road construction are occurring on the north and south banks of the Peace River from Cache Creek to Farrell Creek, as well as up the Halfway River drainage.
- Burning and processing of waste wood is occurring in areas of the Moberly drainage, Halfway River drainage, and the banks of the Peace River between Halfway River and the dam site. Vehicles, boats and/or helicopters may be used. Burning will only occur when venting and ground conditions are suitable.
- Hauling of logs to local mills is occurring when road conditions are suitable.

## **Transmission works**

- Work on the second transmission line continues, with tower assembly and installation.
- The removal of the existing 138 kv transmission lines on the transmission right-of-way continues.

## **WHAT TO EXPECT**

Work will take place during the day, night, and on the weekend, until the project is completed. During this time, residents can expect:

## **Boating**

- The Peace River near the dam site has been permanently closed to vessel traffic. A patrol boat will monitor the area, which is also marked with beacons and signage.

- The lower reaches of the Halfway River are closed to boat traffic until April 30, 2021.
- Boaters are advised to watch for logs and debris flowing down the Peace River.
- Boaters should use caution in the Peace River, especially near the debris booms and active construction sites along Highway 29.

## **Traffic – please use caution and obey safety signage**

- **Old Fort Road**
  - Near Gate B to the dam site, drivers may encounter loose gravel and increased commercial traffic.
  - Due to equipment delivery, there may be [occasional short road closures](#) along Old Fort Road.
- **Highway 29:** Construction-related equipment will travel along Highway 29 and Highway 97. Learn more at [drivebc.ca](http://drivebc.ca).
- **Other areas:** Trucks with heavy loads will be accessing the dam site and other project areas, using public and resource roads.

## **Equipment, noise and vibration**

- Heavy machinery will be in the transmission line corridor. Please stay clear of the work areas. Helicopters and commercial drones may be used to support investigative and construction works.
- Some noise and vibration may occur near the dam site and work areas, including the quarries.

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