

CHECKPOINT



The main hospital building, including the Emergency Department, inpatient and outpatient clinics, will sit on the top of the escarpment across from Dow's Lake. The proposed research tower is on the right.

The Ottawa Hospital completes next stage of planning for new Civic development

The Ottawa Hospital is one step closer to opening one of the largest and most advanced hospitals in Canada that will serve Ottawa, Eastern Ontario, Western Quebec, and parts of Nunavut.

Earlier this spring, the hospital submitted stage 2 of the Capital Planning Process for its new Civic development to the Ontario Ministry of Health. As part of this submission, the hospital is now pleased to share with the public the proposed design of the cutting-edge new campus that will be situated near

Dow's Lake at the foot of Ottawa's Rideau Canal.

The new Civic development, slated to open in 2028, will be a state-of-the-art facility, home to the most advanced trauma centre, one of the most innovative neuroscience research programs in the world and will have some of the most advanced digital technology to enable medical personnel to provide patients with the most effective new treatments and services.



Additional clinic space, medical offices, research and education buildings, and a parking garage will be located on the lower portion of the site, all connected to the nearby LRT station.

"People in our region will come to this new facility for compassionate, skilled care," said Katherine Cotton, Chair of The Ottawa Hospital's Board of Governors. "The new treatments and technologies that will be used and developed here will save lives and advance and revolutionize health care. This hospital is the future of health care."

The main hospital building, including the Emergency Department, inpatient and outpatient clinics, will sit on the top of the escarpment across from Dow's Lake. Additional clinic space, medical offices, research and education buildings, and a parking garage will be located on the lower portion of the site, all connected to the nearby LRT station.

Patients and visitors driving to the site will enter from Carling Avenue and follow a driveway up the escarpment to a circular drop-off at the front door. The same driveway will have a turnoff for the Emergency Department, located one floor beneath grade below the front door, under a covered green roof.

Separate, dedicated entrances are planned for emergency vehicles, staff, materials management and servicing to allow for efficient traffic flow through the site and on surrounding roadways.

"We're excited to move forward with the next stages of the new Civic development. This development will be a pivotal marker for the transformation of health care for the Ottawa region for generations to come" said Cameron Love, President and CEO of The Ottawa Hospital. "We will continue to work closely with our municipal, provincial and federal governments as well as our community, throughout this stage of planning. We're very grateful for their partnership and support as we move forward."

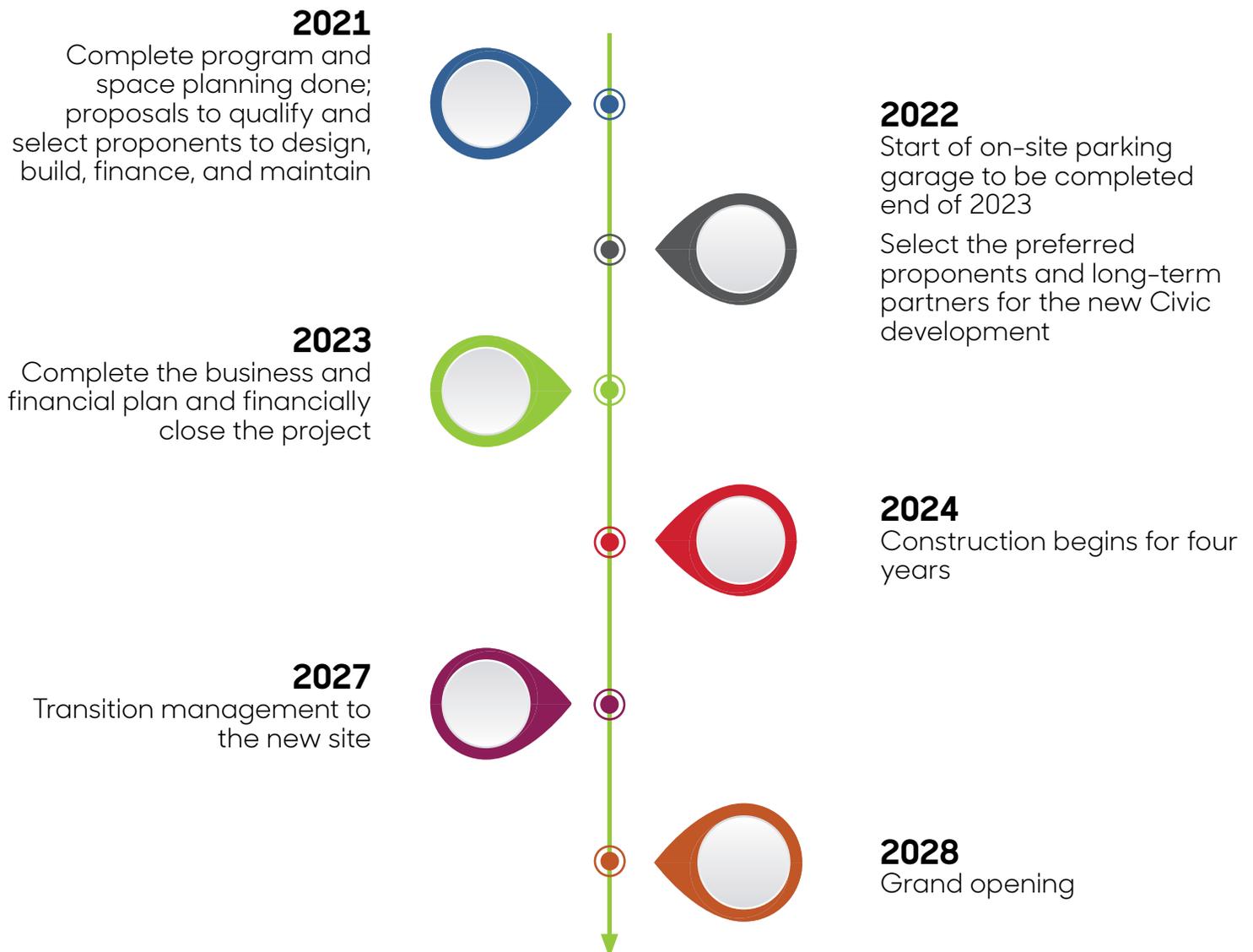
The project is estimated to cost \$2.8 billion. Public consultation will take place in the coming months in Ottawa and across the region to enable members of the public to ask questions and provide feedback on the proposal.

Supporting an integrated health-care system

The new Civic development will be a state-of-the-art facility to serve Ottawa, Eastern Ontario, Western Quebec, and Nunavut with highly specialized inpatient, outpatient, emergency and trauma services. The development will be a much-needed addition to health care in our region and

will be a centre of academic training and medical research, networked with other sites in Ontario, across Canada, and around the world. The site will be 2.5 million sq. ft on a 50-acre site on Carling Avenue near Dow's Lake.

New Civic development schedule



New Civic Development: Site proposal highlights

Accessing the site:

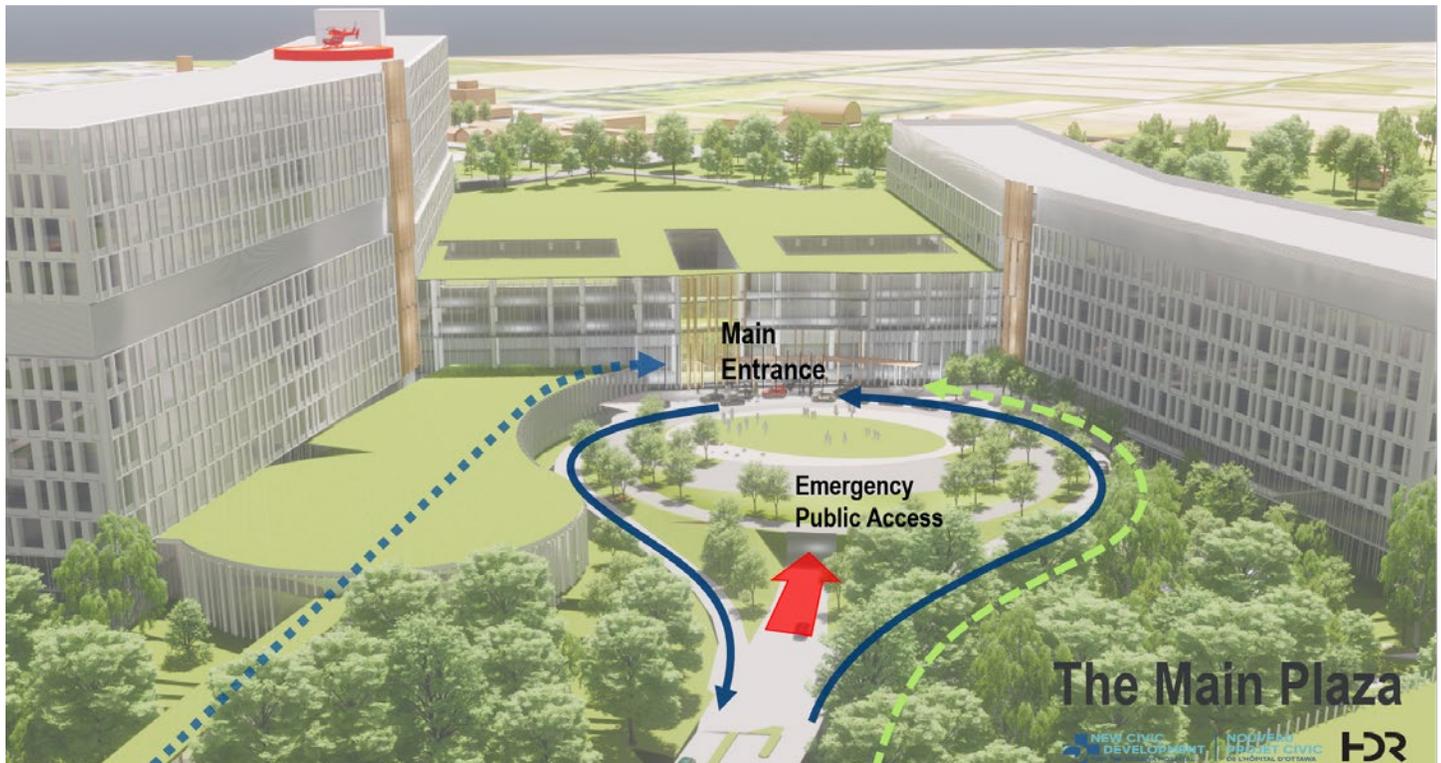
The main entrance will be accessed directly off Carling Avenue, up the escarpment to arrive at a circular drive drop-off at the front door. Directly below the front door, under a covered green roof, will be the Emergency Department entrance, one floor beneath grade, for patient drop-off and triage. Covered and protected temporary parking will be available for Emergency patients and visitors.

Ambulance traffic will use separate, dedicated access routes that lead directly to the protected Emergency garage.

The Dow's Lake light rail transit station will be connected to the site by a covered, accessible walkway. This walkway will also connect the research tower, medical office buildings, and the green-roofed parking garage on the lower portion of the site, so that people can move safely and comfortably through the site.

Inside the new hospital:

The main entranceway will feature a central light well with double-storied glass, letting in an abundance of natural light. Intuitive wayfinding will help people move through



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The helipad will sit on top of the south tower with dedicated trauma elevators that reach all floors, particularly the Emergency Department, surgical suites, diagnostic and interventional imaging, and critical care.

Photo courtesy of ornge.ca.

the entrance to their destination within the hospital. Frequently used services such as pharmacy, medical imaging, patient registration, ambulatory care specimen collection centre, and other programs will be housed near the entrance.

The seven-floor north tower and eleven-floor south tower will bracket the atrium and will

house outpatient care clinics and inpatient units. The helipad will sit on top of the south tower with dedicated trauma elevators that reach all floors, particularly the Emergency Department, surgical suites, diagnostic and interventional imaging, and critical care.

The lower floor will include the loading docks, materials management, segregated soiled and clean distribution areas, food services, environmental services – all components that will serve each of the different departments.

Robotic technology will support transportation workers and other staff. Goods and services will come across the basement floor and be transported up high-speed traction elevators with the least amount of disruption or crossover with the public.

Elevator lobbies will serve the public and the staff in a way that allows for maximum flexibility for the floor plates in the future. Front-of-house traffic will be segregated for the public, whereas back of house traffic will be reserved for staff, services, and patient transfers. As health-care services change in the future, the building can readily adapt to new demands.



New standards of space will increase the size of the building, one patient per bedroom and bathroom, like the concept above, creates optimal comfort, health, and safety.

Design concept provided by the Patient Room Study – International Project, HDR

“Early works” projects beginning on new Civic development site

When construction on the new Civic development begins in 2024, the site will be bustling with between 1500 and 2000 building and construction trades workers onsite every day.

To make sure that workers avoid parking in the surrounding neighbourhood, an “early works” project is scheduled for Spring 2022 to construct a 2500-stall parking garage on the site with completion of the garage expected by spring 2024.



Mitchell Bird is the Project Manager with GBA Group, the project advisory for the new Civic development.

“We want to be considerate of the community residents and businesses on nearby streets,” said Mitchell Bird, Project Manager with GBA Group, the project advisory for the new Civic development. “Building a parking garage early on also helps the building and construction tradespeople have an efficient arrival and departure from the construction site, so it helps everyone.”

The top level of the parking garage will be used to house staging areas and onsite offices for contractors during construction of the hospital. After construction is complete, the space will be developed into a green roof – a park space accessible to the public.

“Our vision is to lift up Queen Juliana Park so that it sits on top of a parking garage on the northeast portion of the site. The area would be connected to the Dow’s Lake LRT station and to the main hospital by a covered, lit walkway with rest areas so that people can access it safely and comfortably, year-round and at any time of the day,” said Mitchell. “The walkway protects against the weather but will provide visibility outside to the entire site.”

Planning has begun on the garage to develop the most efficient, sustainable and accessible design, working in concert with partners from the City of Ottawa and the federal government to complete all required applications and approval processes.

Completing the parking garage as an early works project before the main hospital



View from the new Civic development's main entrance.

construction begins in 2024 helps create efficiency for the project as a whole, added Mitch. "Finishing the garage before the main project means we can accommodate the trades workforce's need for parking while building the new hospital." The Ottawa Hospital plans to use the revenue generated from the new parking structure as a source of funds to contribute to its financial portion of the new facility.

In addition to the garage, 2000 Franki piles – eight-foot-long, concrete-filled steel cylinders that once stabilized the former buildings on the site will be removed as part of the soil remediation and site preparation. The public can expect to see construction vehicles, equipment and workers on the site beginning in May or June of this year.

Public Services and Procurement Canada (PSPC) is also coordinating the removal of the West Annex building, along with the removal of the Franki piles below that building.

The Ottawa Hospital has collaborated closely with PSPC on the site preparation throughout the project planning, said Senior Project Manager and Site Supervisor Michelle Currie: "PSPC has been very responsive and respectful of the hospital's concerns, including continued assurance that hospital staff can still safely access the existing parking lot near the Annex building," she said. "This partnership is invaluable, and we are fortunate to have PSPC at our side."

“I am very proud that this city-building project will be in River Ward.”

Interview with City Councillor Riley Brockington



I am very proud that this city-building project will be located in River Ward,” said **Councillor Riley Brockington.**

Photo credit: Valerie Keeler, Valberg Imaging

As the City Councillor for River Ward, what do you hope to bring to the success of the new Civic development?

The much-anticipated new Civic development will be a world-class health-care facility when it opens in 2028. I am very

proud that this city-building project will be in River Ward. As the new Civic development moves forward, I see my role as a facilitator between the hospital and community, sharing information and advocating for residents.

What do you see as the biggest challenge in the development of this hospital, especially for River Ward?

Once the design of the new Civic development is completed and funding is secured, one of the challenges will be managing the flow of vehicles, equipment, workers and supplies during the construction phase. To help alleviate traffic and parking concerns by neighbouring communities, the City of Ottawa will be working with the project team to build a parking garage and related civil roadworks ahead of the main hospital construction.

How can the project team and city planning staff work together to create a transit-oriented site?

Getting to the hospital safely and efficiently will require several traffic studies to estimate traffic flows and to ensure the infrastructure in place can handle expected demands. And it's not just roads: I would like to see as many employees as possible taking transit or their bicycle to get to work and am pleased that the new site will be integrated with the Trillium LRT line, the new rapid bus lane planned for Carling Avenue, and the Capital Pathway Network.

With the City's Transportation Master Plan under review, I will continue to push for safer active transportation infrastructure.

How can we create community ownership around the project?

Effective communication is essential, and upcoming engagement work with communities in River Ward and well beyond will make sure that the public has a chance to provide feedback and ask questions. The people of Ottawa, Eastern Ontario, Western Quebec, and Nunavut will rely on this hospital. They are very interested in the project and want to be part of shaping the future of health care for generations to come.

What advice would you give the project team as we move forward in planning the new hospital?

Rome was not built in one day. As with any project of this size and complexity, we need to stay focused on the objectives, do not give up, and keep moving forward. There will be very successful days and very challenging days. Our community is grateful for this new facility and we sincerely appreciate all the work that goes into making the dream a reality.



The new Civic brings economic benefits to the region

Over the course of the development period, the project will help drive the regional economy by creating an estimated 20,000 jobs, as well as ancillary businesses, research and training opportunities, and health

investments. After opening in 2028, the new hospital will create a world-class health-care system in Eastern Ontario that will attract health-care providers, researchers and students from around the world.



The Ottawa Hospital's President and CEO **Cameron Love** presented the new Civic development vision to the City's Finance and Economic Development Committee on May 5. He told the committee that the COVID-19 pandemic has informed the design of the next-generation facility.

New Features in the new Civic

Accessible: Will meet the highest standards as one of the most accessible hospitals for all people, all abilities

Flexible: Built-in resilience and flexibility to adapt to changing health trends, system demands, outbreak management

Adaptable: Four season climate adaptability, natural light in corridors and rooms

Sustainable: Holistic sustainability in its design, water, waste and energy efficiencies, food service and transportation modes

Park-like settings: Open greenspace and public space for patient, staff and visitor outdoor recreation

New Civic to be hub for world-class research



Dr. Duncan Stewart, Executive Vice-President of Research at The Ottawa Hospital, is a pioneering Canadian cardiovascular researcher, recognized for his important discoveries in blood vessel biology as well as his dedication to translating these discoveries into benefits for patients and society.

When The Ottawa Hospital's new Civic development opens in 2028, it will be among the most advanced and innovative health-care facilities in the country, if not the world. In addition to the latest facilities and equipment, one of the key features that will set it apart is research.

"As we plan this new hospital, we are integrating research into every aspect," explained Dr. Duncan Stewart, the hospital's Executive Vice-President of Research. "Research is crucial because it gives patients access to innovative, potentially life-saving therapies. It also allows us to develop new treatments, implement the latest evidence and attract top clinicians."

There are currently more than 2,000 research projects underway at The Ottawa Hospital's Civic, General and Riverside campuses, with more than 10,000 patients enrolled in clinical trials.

"We've seen huge growth in research at The Ottawa Hospital, but we've been limited by our space, especially at the Civic Campus," said Dr. Stewart. "The redevelopment of the Civic offers an incredible opportunity to make Ottawa a world-leading city for health research."

In addition to clinical research space embedded throughout the hospital, the new Civic will also have a dedicated research and learning building anchored by a world-class neuroscience institute.

"The new neuroscience institute will bring all our neurologists, neurosurgeons, neuroscientists and other brain experts into one place for the first time, with outstanding facilities for research and collaboration," said Dr. Stewart.

The research building will include two to three floors initially, with the option of expanding to seven. These additional floors could house researchers in cutting-edge areas such as regenerative medicine and synthetic biology. A short, enclosed walkway will easily connect researchers to clinicians in the main building to foster collaboration.

Funding for research infrastructure at the new Civic development will be dependent on peer-reviewed research grants, partnership and community donations, as this cannot be funded through Ontario's Ministry of Health.

"Any investment in research will pay huge dividends for the people of Ottawa, both in terms of health and economic growth," said Dr. Stewart.

Where we are in the planning process

To build a hospital in Ontario, the Ministry of Health collaborates with Infrastructure Ontario, the Crown Agency responsible for public infrastructure. The Ministry of Health and Infrastructure Ontario require five stages of Capital Planning, each of which must be approved before they give final approval to proceed with construction.

The new Civic development project is now in the second of five required stages of the planning process.



CheckPoint is a newsletter of the New Civic Project Development Team
Visit us at
www.newcivicdevelopment.ca

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