



Accessible Design Guidelines for Electric Vehicle Charging Stations



Access for All



Electric Vehicles and Charging Stations

- Electric vehicles (EVs) are becoming more popular
- The City is installing more charging stations at corporate facilities and buildings
- There are no applicable regulations, by-laws, or standards for accessible EV charging stations



Access for All

Current State of Brampton's Public EV Charging Stations

- Charging stations not mounted flush with the surface
- Obstructed access, long reach distances, and high mounting heights for operable parts and charging connectors
- Small text and small screens with glare, causing difficulty to view the screens
- No access aisles to maneuver mobility aids



Current State of Brampton's Public EV Charging Stations continued



Access for All

Accessible Design Guidelines: Development

- Reviewed existing resources and standards
- Worked closely with the Region of Peel
- Peer reviewed by the Rick Hansen Foundation
- Reviewed by relevant City stakeholders



Accessible Design Guidelines: Key Elements

- Universal design principles



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- **5 per cent of Level 2s and the first Level 3 fast charger will be accessible**



Level 2 Charger at Paul Paleschi Recreation Centre



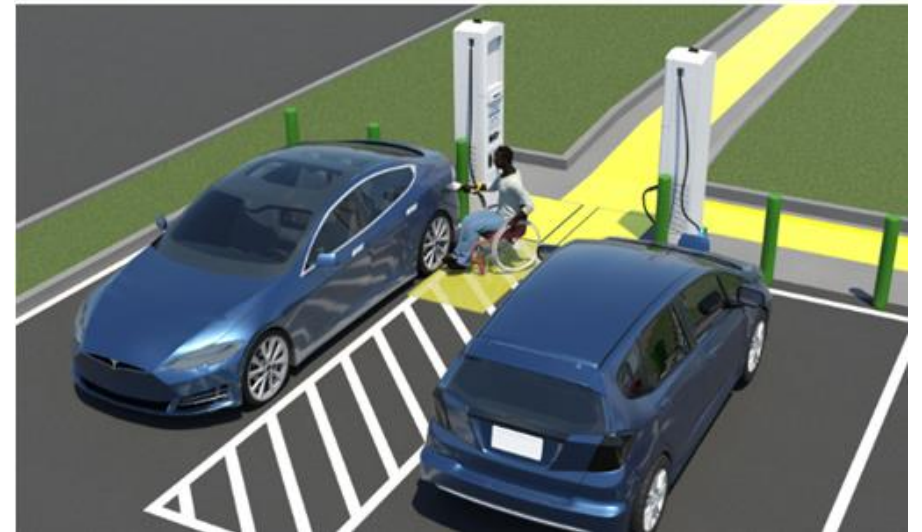
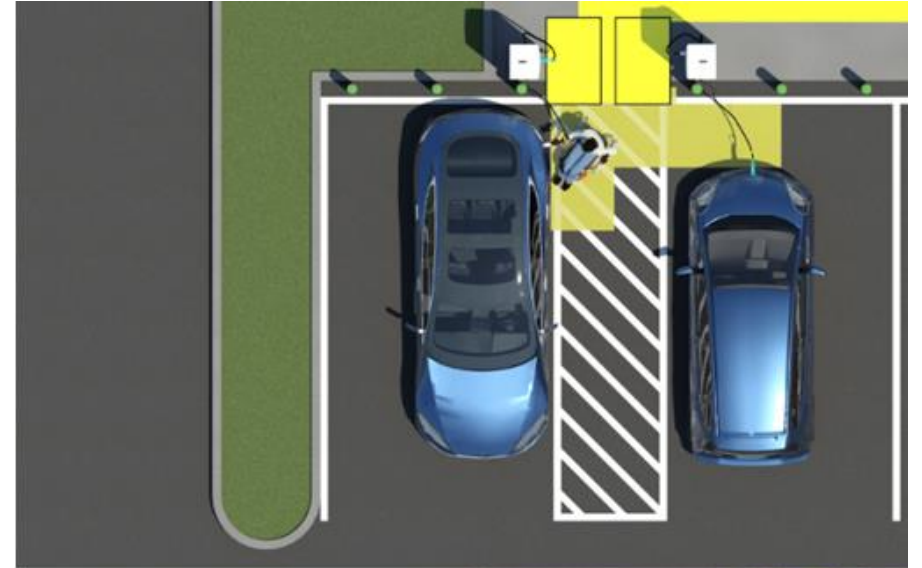
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- **'Use Last' Policy**



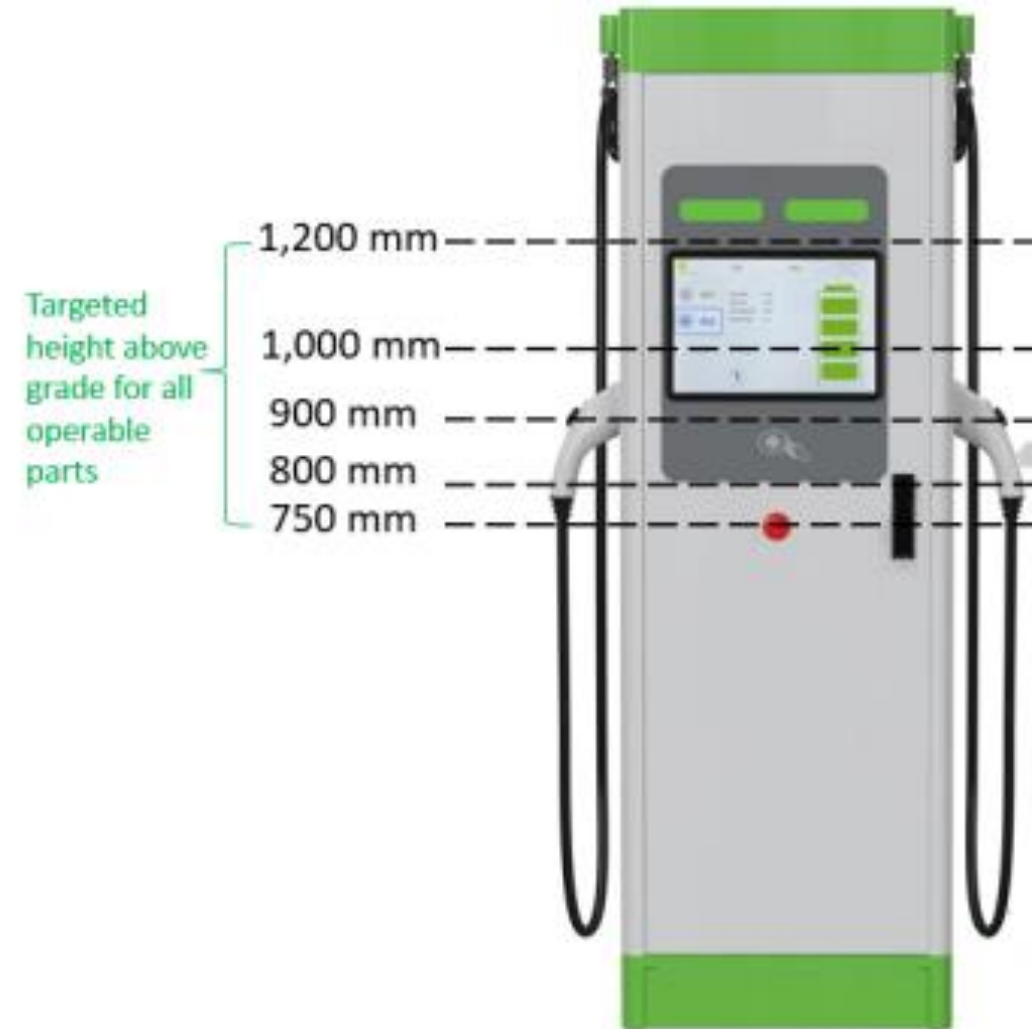
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- **Alignment with the AODA and Traffic By-Law 93-93, but additional space is encouraged**



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- ‘Use Last’ Policy
- Alignment with the AODA and Traffic By-Law 93-93, but additional space is encouraged
- **Many recommendations for equipment manufacturers and network operators to make their products and services more accessible**



Next Steps

- Receive feedback from AAC members
- Finalize the draft Guidelines and circulate the final document to stakeholders
- Apply the guidelines to all new corporate EV charging stations
- Update Accessibility Technical Standards and create accessible web version on www.brampton.ca/accessibility



Questions?

