



VISION: We will be a vibrant, dependable and clean city where services are delivered innovatively and effectively.
MISSION: To provide effective operations of the city through collaboration of members, management and staff.

City Hall, Hamilton
Infrastructure, Development & Future Committee
14 September 2016
10:00am

Present: Councillor John Harvey, MBE, JP (Chair)
Councillor George Scott, JP
Councillor Nicholas Swan
Councillor Henry Ming

Staff: Secretary - Ed Benevides, JP
City Engineer - Patrick Cooper
Event Project Manager - Danilee Trott

In Attendance: Mr. Denton Williams - COO, Belco
Mr. Joshua Simons - Belco

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1. **Confirmation of Notice** - the Secretary confirmed that the notices for the minutes and the agenda were posted and sent out in accordance with the new meeting guidelines.
 2. **Role of the Chairman** - Councillor Harvey acknowledged his role as Chair of the committee.
 3. **Open Meeting** - Councillor Harvey called the meeting to order at 10:05am.
 4. **Apologies** - The Secretary confirmed there were no apologies.
 5. **Public Participation:**

(i) **Presentation by Mr. Denton Williams, COO, Belco & Senior VP of Ascendant - Solar Vehicle Solar Carport:**

Councillor Harvey welcomed Mr. Williams and introduced him to the committee. Mr. Williams then introduced Mr. Joshua Simons who is responsible for the electrical vehicle programme.

D. Williams - The Ascendant Group has been working on transportation electrification. They started out with some pilot programmes to test the viability, cost effectiveness, etc. During those programmes, America's Cup was announced with the World Series. BMW needed assistance with charging their vehicles, etc. and to allow the October 2015 event to work well with the vehicles that they were bringing into the Island. Subsequent to that, the vehicles left and a discussion was had with Team Oracle who suggested that they would like to have a car charging port because BMW directly sponsored their team. They requested a solar array mounted over car charging facility. If the stations would be available for the public to use as well the Ascendant Group would have a look at the request and would consider making a contribution. Research was done and a design was put forward but subsequently BMW got involved and they used their design shop (Design Works). They designed a solar carport that uses more sustainable materials, i.e. laminated bamboo. An idea was put forward to accommodate Team Oracle to start with and then it would eventually be dedicated to the public. BMW then decided to do something more progressive to have a lasting impact and legacy in Bermuda. They wanted to donate enough equipment and hardware that would service the entire Island to get the industry up and running. Belco would be the partner to bring the hardware to the Island, install, maintain, etc.

Joshua Simons has been heavily involved in terms of putting together projects; he has developed some pilot programmes which they have seen the benefits of. Belco has moved to full scale and is now replacing all of their intermediate vans. They have had direct conversations with Nissan Motors, BMW in Munich and North America and Renault. Most of them are supportive of the idea. Nissan will make their final business decision at the end of September and BMW is available for sale now.

These systems will provide a safety network, flexible and secure because the vehicle can be charged at one's home as well.

Councillor G. Scott joined the meeting at 10:10am.

BMW had asked Ascendant to see if they could assist with the securing of sites. Dockyard was easy because all of the America's Cup activities are happening there. They also wanted to talk with the City to see if there was an appetite for this type of project. Then they would work towards having one in the east.

J. Simons:

Structures: the original design was done by BMW's Design Works group and they decided to use Lamboo Technologies LLC, the only laminated exterior bamboo company in the world. Their product is rated for outdoor and structural use, a product that has longevity outside; it resists sun and salt, insects, wind loading, etc. It is part of the ASTM Building Code now. They also will use 316 stainless steel construction. The solar carport is also hurricane rated. The plan is for Lamboo and BMW to produce five (5) carports for the island: 8 car units X 3, 4 car units X 1 and a 2 car units X 1. The manufacturing has already started and hopefully by the end of the year will have all of the laminated beams ready for shipping. Shipping and pre-staging: January - February 2017.

Civil works, infrastructure installation: January - March 2017. Carport installations and commissioning: February - April 2017. He then commented on the photo shown in the presentation, a carport that was the very first dual carport built and was displayed in the World Series event held New York.

EV Charges - supplied by BMW and will probably use a level 2 or 3 charge; medium charge (208V) or high charge (480V). The chargers are very flexible and can be moved accordingly. Shipping to Bermuda the same time as the structures and would be ready for installation between February and April 2017.

Solar Panels - supplied by Prism Solar which uses bi-facial technology. Typically the solar panel captures sunrays from the top and generates electricity. These panels allow the sun to pass through and reflect off the backside so they also start producing from the underside of the panel. They found about a 35% increase in productivity. Supplied and installed same schedule as carport Structure.

Vehicles - they have had many meetings with BMW and they are proposing to bring between 30-50 electric i3 series to the Island. These are being supplied by Bermuda Motors and will be configured to Bermuda standards. They are anticipated to remain on Island after AC35 and sold as second-hand cars.

Potential Carport Locations - they are looking at locations in the east, central and west. There are two (2) other floating carports that could fill any other location gaps where there is a need. The short-term positioning for the event is not necessarily the positioning for long-term.

Councillor Ming joined the meeting at 10:20pm.

Councillor Swan queried any preferred locations for the carport in Hamilton. J. Simons said for the AC35 event, it should be in a location where there is going to be a high level of traffic for people travelling from Hamilton to Dockyard and it should be placed in a location where it will be visible. He would prefer a location where it is dropped once, i.e. a central car park. They have to be conscious of the shaded aspect; anywhere down on the harbour side should be clear of motiated buildings. Somewhere like Par-la-Ville would not be the best solution because it gets heavily shaded and would not get that solar output. There was continued discussion.

The City Engineer commented that the structure would be about 80ft. long and 20ft. wide. It could be placed on Front Street but the CoH would have to move other things out of the way to accommodate it. Long-term, Bull's Head would be the ideal location because there is the space and it does not limit the CoH as on the Front Street scape where there could be future plans. The Secretary said there is a time sensitive issue, the funding from BMW ends at the end of this year. Dialogue continued on the car park locations.

The Event Project Manager expressed her initial concern because Front Street is already laid out for that time period so the street layout would have to be adjusted.

She queried if the carport was weather proof, e.g. for when it rains to which J. Simons said the sides are open but it will be kept water tight. She further commented that during this period there are a lot of events being held on Front Street so the carport would not be readily accessible.

RECOMMENDATION: That the Board approve in principle the proposal from the Ascendent Group/Belco to install an Electric Vehicle Solar Carport and to sort out the appropriate location for the carport on Front Street.

Proposed: Councillor G. Scott
Unanimous

Seconded: Councillor N. Swan

Councillor Harvey thanked Messrs. Williams and Simons for the presentation and they left the meeting at 10:35am.

The Event Project Manager said #1 and #5 car parks are closed for six (6) weeks during the America's Cup and the only other location that she feels would be suitable is Albuoy's Point. The City Engineer suggested the old horse canopy area. The Event Project Manager then advised that the whole of Front Street is going to be pedestrianised for those six (6) weeks; only the two (2) northern lanes will be free. This is the proposal that the Mayor requested to be put forward and has to be factored in when making the decision regarding the location for the carport. There was continued discussion.

Councillor Swan suggested having a special meeting to discuss the matters concerning America's Cup.

6. Correspondence:

There is no correspondence.

7. Minutes of Previous Meeting dated 10 August 2016

Proposed: Councillor N. Swan

Seconded: Councillor G. Scott

The Minutes were accepted as read.

8. Matters arising from the Previous Meeting dated 10 August 2016

(i) **Removal of the yard arms from the Flag Pole on Front Street** - the City Engineer advised that this has not been scheduled.

(ii) **Circulation of new information to the Infrastructure Committee and importers as it relates to the current regulations re: importers giving 6 months' notice for securing 20' containers** - action item completed.

The Infrastructure Committee would have received all of the information from the Ports Superintendent with a recommendation to institute an application fee. The CoH would like to move ahead with a meeting with the stakeholders to give them an update in this regard. The Secretary had requested a meeting through the Chamber of Commerce over six (6) weeks ago and to date has not received a response. The CoH would be advising persons who would know ahead of time that they will be making orders and that they would need to place an order for a container six (6) months' in advance. The CoH would not allow a 40' container in when 20' containers can now be obtained with the appropriate notice. The policy has not changed and the report was done based on all of the feedback from stakeholders. The CoH will be advising importers that 40' containers will not be acceptable. There was continued discussion.

RECOMMENDATION: That the Board agree to leave the current policy for 40' containers as is and institute a non-refundable administrative fee of \$250 for any application for a 40' container.

Proposed: Councillor N. Swan

Seconded: Councillor G. Scott

Unanimous

(iii) **Forward the proposal from the St. George Marina Development Ltd. (SGMD) with the suggested changes to the Infrastructure Committee re: Super Yachts Facility for America's Cup** - action item deferred until Councillor Harvey meets with the Mayor. The Secretary advised that SGMD has been pressing for a time sensitivity so Councilor Harvey may receive a call from ACBDA.

(iv) **Forward any proposed changes re: service levels within the City of Hamilton** - no responses have been submitted by the Infrastructure Committee.

(v) **Reminder to the Infrastructure Committee a week prior to the next committee meeting re: any recommended changes to service levels within the City of Hamilton** - action item completed.

(vi) **Ascertain what BIOS has assessed before 2014. Also for them to provide a more definitive report and adjust their Executive Summary accordingly re: Assessment of Coral Reef Environment at Seabright** - action item deferred to the next Infrastructure Committee meeting scheduled for 12 October 2016. The City Engineer has not gone back to BIOS and he queried what a more definitive report would consist of. Councillor Harvey said that the Mayor felt that the report could be portrayed more in the Executive Summary. The City Engineer advised that BIOS is not hired to do that. The CoH is supporting their research into the reef health and it is a scientific report. They are doing this as part of their reef assessment which is an ongoing project. Going forward this can be requested but for past work he does not think it is possible. He commented that there is a bit of reef damage that is close to the outfall but there is more reef damage in places away from the outfall. The Secretary said the Mayor was hoping to get some information leading up to 2014.

The City Engineer advised that over time the scientists who have been leading this project have changed and their focus on which methods for monitoring has changed.

9. Status Update:

(i) Events:

- **City Arts Festival** - six (6) art installations were approved. They were not able to secure a piece for Till's Hill. It was offered to three (3) different artists but it was said that it was too big of a job for the budget that the CoH has. It may have to be a project in itself.

The six (6) installations are:

Robyn Cooper - Wings similar as seen in LA - the City of Angels. Could be used as a photo op.

James Cooper - doing a tribute to Bermudian Olympians, high jumper representing Clarence Saunders and long jumper representative of Tyrone Smith. These will be installed in the Washington Mall.

Charmaine Friday - Future in our Hands mural on the wall on Victoria Street from the Bus Terminal to the public bathrooms.

Michael Cacy - mural on the wall at the taxi stand on Church Street.

Mural on Reid Street which has fallen down - was approved and the location was supposed to be Union Street bathrooms but the space was not large enough to do the mural; so offering the Till's Hill project.

Alshante Foggo - Victoria Park men's bathroom wall.

There are three (3) other pieces that have been pre-approved for next year because they could not have them done in time for this year. There were about 24 submission in total. The City Arts Festival is scheduled for 15 October 2016.

- **Proposal from Ultimate Imaging - Breast Cancer Awareness Month in October** - this request has no financial bearing so it does not have to go to the full Board. The proposal is to paint the crosswalk on Par-La-Ville Road pink and to place a sign there "**Feel the Bump, have your breast checked**". Also lamp post banners will be posted directly outside of the International Center, there will be no company logo displayed. The City Engineer advised that the pink sign, "**Feel the Bump...**" will be placed underneath the raised pedestrian crossing sign. The Infrastructure Committee unanimously approved the proposal from Ultimate Imaging. Thursday 13 October 2016 is the day of the event and they would like to have everything in place by 1 October 2016.

ACTION: The Event Project Manager to ensure that positive PR is done with regards to the proposal from Ultimate Imaging - "**Feel the Bump, have your breast checked.**"

- **MOU for the Tent** - the Secretary, the City Engineer and the Event Project Manager are actively working on the MOU.

The Events team is currently working on the Tall Ships, America's Cup and Christmas activities. There was continued discussion regarding America's Cup and the usage of any Front Street property for events. Every event held on Front Street between April and July has to have approval from America's Cup, i.e. Bermuda Day, Heroes Weekend, Harbour Nights, etc., all of which the CoH will be assisting Government financially. According to the America's Cup's contract from Government, they have control of #1, #5, Pier 6 and part of Albuoy's Point. The CoH has not been privy to the agreement but the Secretary has seen a cut and paste of a section of it from ACBDA.

Note: Harbour Nights will be running from 3 May 2017 right through to 30 August 2017.

(ii) **Handicap Parking Provision** - the City Engineer provided a map showing all of the handicap parking spaces within the City of Hamilton. Currently there are 17 on-street handicap parking spaces and 22 handicap parking spaces in car parks. This information is on the CoH's website and handed out when the permit is issued. The biggest issue is that people who do not have handicap parking permits park in those spaces and the police do not enforce.

(iii) **Residential Parking Review** - the committee was established at the last Council meeting. The Secretary is just waiting for Councillor Harvey to advise of a date of when the first meeting will be held.

(iv) **City Hall Car Park Barrier System** - the system is up and running and cash and credit card can be used; the credit card issue has been rectified. A secondary system is about to be connected, i.e. the Wi-Fi system. If the cellular system for credit cards goes down it can then automatically flop over to the Wi-Fi system. Once the Wi-Fi system is installed then the cameras can be put in place to record other activity. Still working on getting the Easy Park integrated and hopefully by the end of the month will be very close to being installed. The one main issue is the public; they have an aversion to reading instructions. The CoH still has staff working in the car park trying to educate the public and receives about 30 calls per day on the call button. A third pay station is going to be installed on the Church Street side to hopefully alleviate some of the queuing that has happened because the Easy Park is not up and running. Once that becomes online, the queuing should decrease and perhaps re-purpose that second station into another car park.

(v) **CCTV Camera Installation** - working with Decisions to ensure that the cameras are operational. A solar powered CCTV camera has already been purchased and it does not need a permanent power line to it. It will be first mounted on the top of Till's Hill to observe the illegal tipping that goes on there. Dialogue continued.

(vi) **Sanitation: Wheelie Bins, Trucks and Bin Lifts** - the Senior Engineer is in Birmingham attending a Waste Management Expo where all of the wheelie bins and truck manufacturers will be in attendance. The CoH has narrowed down about three (3) different bin manufacturers in trying to find the best bin suited for the organisation. Also looking to fit the trucks with new bin lifts. Currently, the bin lifts two (2) bins side-by-side up and dumps and has a cycle time of about 30 seconds.

There are retrofit bin lifts that can lift one side at a time independently and has a cycle of seven (7) seconds. Looking to replace the small garbage truck with the idea of downsizing the entire fleet to that size truck going forward. The Secretary commented that the Garbage Ordinance Amendment has been completed and approved by this Council and the Minister but remains somewhere in Government for the last 8-10 weeks. The City Engineer said the AG has provided commentary back to the Minister in this regard and did this some time ago.

10. Motion to Move to Restricted Session

Proposed: Councillor G. Scott

Seconded: Councillor N. Swan

The Public Session adjourned at 11:20am.

Public Session resumed at 12:05pm.

(vii) **Sewerage: FOG Regulations, Pump Maintenance and Odour Control** - the City Engineer met with the AG's Chambers yesterday along with the Department of Health and Environmental Protection and Ministry of Works and Engineering to go over the new FOG regulations that are to go up to the House for approval. It is a supplementary regulation with some civil penalties attached to it - work is ongoing. Last month there was some pump maintenance done on all of the pumps in the sewerage system and they all received a clean bill of health. Looking at purchasing a new odour control unit for Barr's Bay Park and hopefully have it ordered and on Island before Christmas. The current unit from Barr's Bay Park will be moved to North Street.

(viii) **Streets: Projects** - Majority of work is being done over on the Canal Road and Laffan Street roundabout. The other crews are primarily working on trip hazards throughout the City. Councillor Harvey commented on a manhole structure on the right sidewalk of the Lois Browne Building and queried if the CoH could contact the utility to ensure that they are not protruding causing people to trip and fall. The City Engineer said he receives numerous calls in this regard and it is an ongoing issue. There are tree roots pushing up sidewalks, sidewalks move, cars damage them, etc. The CoH does a reasonable job in addressing these issues but the public does need to pay attention. Generally the CoH will go out and find out what utility the manhole belongs to so that the matter can be addressed. There are about 3K or 4K manholes in the City and the majority do not belong to the City. Councillor Ming expressed his concern in terms of liability and how quickly the CoH acts on the issue. The City Engineer said the CoH has to act in a proper manner once notification of an issue is received. The first thing to do is to ascertain how bad the situation is. One other street project that will be progressed is on King Street where it is barricaded off. Will start putting the hard sidewalks in and narrowing down the street.

11. Recommendation for Review:

This RFP went out to tender; 15 packages were collected and 13 were returned. Councillor Harvey queried why Keen Ltd. and C & S Solutions submitted more than one bid. The City Engineer advised that the two (2) applicants recommended different fixtures therefore different costs applied.

RECOMMENDATION: That the Board accept the bid from Keen Ltd. in the amount of \$108,905.30 for the retrofitting of some 340 LED fixtures to replace the existing ceiling mounted lights in Bull's head multi-story car park.

Proposed: Councillor J. Harvey
Unanimous

Seconded: Councillor G. Scott

The CoH has ordered LED retrofit kits so all of the lanterns over the next six (6) months are going to be changed from incandescent-style bulb to an LED fixture. All the street lights of certain styles will be LED by the end of the year. Have not gotten around to the cobra heads as yet but are working towards changing them to LED as well.

12. Any Other Business:

(i) **Re-finishing of Round Cedar Table** - Councilor Harvey congratulated staff member, Daniel Hayward who reconstructed the cedar table that is on loan to the CoH and is located in the Mayor's Parlour.

(ii) **Claim from Bermuda Waterworks** - the Secretary advised that the CoH has received a claim for water extracted from a hydrant used for the fire on Front Street, which the CoH has rejected. The hydrant is only accessible by the Bermuda Fire Service who took over that service over 35 years ago. He had hoped to sort this matter out without having to deal with lawyers but unfortunately they are now involved. The Bermuda Fire Service is well aware that the CoH does not supply water anywhere in the City. The only time the CoH used the hydrant is when they ran the Fire Service. When this was discussed with the Fire Service about the potential of a hydrant system, it was explained that there were no future plans for an approximate \$40M project to install a hydrant system. This matter came to light because Bermuda Waterworks forwarded an invoice to the CoH. The Secretary advised that they take the invoice to either the Fire Service, the owner of the building or the insurance company. Dialogue continued.

(iii) **Bermuda Olympic Association Wall** - the installation of the wall had been approved by this Council. The CoH was informed that Historic Buildings Advisory Board (HBAC) had rejected the application. It was of the view that placing the Olympic Wall on the grounds of City Hall would be in contravention of the building's Grade 1 listed status. The City Hall is a Grade 2 listed building and placing the Olympic Wall on the grounds would just be another structure of art replacing one that had been in that location for years. It was noted that this application never went before the DAB.

(iv) **Issue on Dr. Bradshaw's Property** - the reason that Dr. Bradshaw will continue to raise the issue is because he thinks that it is the CoH's project. From the meeting that was had with Dr. Bradshaw, Councillors Ming and Harvey and the City Engineer, there was an agreement on certain things that were going to happen. Dr. Bradshaw wants the CoH to do the door and the steps which was not in the agreement. He is complaining that no-one was getting back to him in this regard and wanted to know when the CoH was going to address the matter. He was then advised that the CoH is only assisting him trying to find a solution to the issue. The Secretary reminded Dr. Bradshaw that there was no permission sought from the CoH in the first instance to put a door there. This issue can be alleviated by placing the door inside and put in steps so that he would still have access to his room.

ACTION: The Secretary to write to Dr. Bradshaw that the CoH expects for him to ensure that the continued danger towards pedestrian traffic on Ewing Street must be addressed by him as soon as possible. The Secretary to give Dr. Bradshaw a 14-day timeframe to respond.

Councillor Ming commented that when they all met to discuss the issue, there was no discussion regarding who was going to do the work. Councillor Ming also advised that he had offered to assist.

There was no further business to be discussed.

The Public Session closed at 12:35pm.