

INVITATION TO TENDER "ITT" NO. PS20181003
BLOEDEL CONSERVATORY LIGHTING RETROFIT

QUESTIONS AND ANSWERS NO. 2

ISSUED ON AUGUST 2, 2018

Q1	Please confirm if the power and data can be ran in the same conduit back to the electrical room, or if a separate conduit for data needs to be installed? Based on Electrical code, power and data cannot be in the same pipe.
A1	The data cable <u>will not be</u> in the same conduit as the power. The data cable will run along a pipe chase below the dome ledge. At access points, the data cable will come up along the wall in new conduit from the chase to the enabler situated on the ledge. The data cable should be armored and does not need to be in conduit along the chase.
Q2	Is there a detail on the bracket that we need to provide for the dome lights, what material shall it be fabricated with?
A2	The bracket will be a 3" high C type of rigid design to support the LED ColorBlast fixture above the existing conduit on the dome ledge at the base of the dome window frame. The bracket should be made from 1/16" stainless steel and provide a 5" square surface with bolt openings in a pattern to allow the LED fixture to be secured to the top of the bracket. The bracket will require feet with bolt openings allowing it to be fastened to the concrete surface of the dome ledge. The final design is to be approved by the consultant, as per the product specifications under Mounting Hardware.
Q3	There appears to be approx. 20 existing lighting circuits for the dome lighting to the electrical room, shall all redundant wiring be removed or left as spares? Removing wiring could comprise integrity of the wiring that is to be reused.
A3	The intent of the lighting upgrade to the dome HID lighting is to utilize the existing circuits, wiring and conduit. Note that all existing circuits and conduit to the dome HID lighting will be clearly identified for the successful bidder to assist them in their project startup. All unused circuits must be pulled back to nearest junction box, capped off, labeled as spare with circuit number. Panel schedule must be updated to reflect unused and new circuit designations.
Q4	What are the hours of work that are permitted for dome lighting work?
A4	Monday to Friday from 7:00 am to 8:00 pm.
Q5	Can we use the electrical room as temporary product and tool storage?
A5	There is limited storage space; however, there is some room available in the mechanical room, tool room and one of the tunnels/hallways. The contractor is expected to coordinate this with the onsite building supervisor/operator.

INVITATION TO TENDER "ITT" PS20180402
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 QUESTIONS AND ANSWERS No.2

Q6	Is parking provided for any company vehicles?
A6	Three EasyPark parking passes are being arranged that can be used for the nearby parking stalls. There is no parking in the loading bay. It is strictly for pick up & drop off of materials.
Q7	Provide details for brackets required to mount luminaires.
A7	The bracket will be a 3" high C type of rigid design to support the LED ColorBlast fixture above the existing conduit on the dome ledge at the base of the dome window frame. The bracket should be made from 1/16" stainless steel and provide a 5" square surface with bolt openings in a pattern to allow the LED fixture to be secured to the top of the bracket. The bracket will require feet with bolt openings allowing it to be fastened to the concrete surface of the dome ledge. The final design is to be approved by the consultant, as per the product specifications under Mounting Hardware.
Q8	It appears according to the drawings that the lighting systems being retrofit are located exclusively around the perimeter of the dome. If this is the case, could you confirm if they are easily accessible from existing platforms, or would access to these locations be a challenge?
A8	There is cable along the interior perimeter of the dome that is for fall protection support. Beneath the cable there is a concrete ledge where the lighting fixtures are located.
Q9	Please confirm the cable along the dome (drawing attached) is for fall protection support.
A9	Correct.
Q10	Does the category 5e cable have to be armored?
A10	Yes, we ask that the CAT5e cable be armored.
Q11	Can we strap the cat5e cable on to the existing conduit?
A11	No.
Q12	Is there a drawing available for the design of the LED color changing light fixture mounting brackets?
A12	No.
Q13	Please confirm we can reuse the existing power wire.
A13	Yes.
Q14	Will there be a set of white prints on the project? We will enter the changes for the as-built, will these be supplied?
A14	All change should note on the Scope of Work for the lights upgraded and provided to the consultant for review.