

Date: 7/24/2020

Letting	Proposal	Call Order	Subject	Question	Answer	Answered By	Number	Asked	Answered
20200811	20200811007	7	Waterproofing SPV.0105.01 Question	In reading the "Waterproofing Bascule Pier and Bascule Abutment, Item SPV.0105.01" specification section, the section appears to be a performance-based spec. Is there a qualified products list category that addresses this section, and if not, what is the process to submit a product to be utilized for this application? CIM Scrim is mentioned in one of the line items, and that combined with the performance specs, I would like to submit CIM 1000 for consideration on this project. Thank You, Graham Wilson	No, there is no qualified products list. See section B.2 of the specification for submittal requirements. If CIM 1000 meets the requirement of section B.2 of the special provision SPV.0105.01, it would be an acceptable product for the waterproofing bid item.	Mike Coleman	1	7/14/2020 10:01	7/15/2020 10:09
20200811	20200811007	7	Bridge Electrical Work	1 - Specification page 43 of 452 states "a new pad-mount cabinet will be installed at Broad Street and Racine Street to provide access to a redundant electric service for the bridge". Specification page 224 of 452 under Incoming Bridge Power states we are to intercept existing conduits from MU that are installed within 10' of the new utility transformers. Drawing 571 shows 4" underground conduits for power to MU along with a 2" underground conduit for fiber. Drawing 572, entry level appears to show disconnecting means and a junction box on the north side. No service disconnecting means are shown on the one line diagram (the ATS is shown inside). I assume the junction box is for the fiber. Please show the location of MU's cabinet or transformers and the location of the bridge power CT/meter cabinets. Also show a location for MU's fiber pullbox or vault.	The junction box is for fiber optic. The disconnect and meter cabinets are to be installed on outside building near entrance. The single line drawing will be updated and included in an addendum.	Jill Fehrman	2	7/14/2020 18:38	7/21/2020 16:02
20200811	20200811007	7	Bridge Electrical Work	Looking at the conduit schedule on plan sheet 622 for circuits 1 through 4, one 4" conduit is required from each transformer to each meter and then one 4" from each meter to the ATS. Drawing 571 shows 4" 4" underground conduit " power " (to Menasha Utilities). Please confirm if we are to install 1 or 2 " 4" 4" conduits to each meter and transformer.	4 " 4" conduits are required 2 will be spares	Jill Fehrman	3	7/14/2020 18:39	7/21/2020 16:12
20200811	20200811007	7	Bridge Electrical Work	Note 2 on plan sheet 574 states provide a generator plug but it is not shown on the one line nor mentioned in the specifications. Is one required and if so, provide size, location and how to integrate it into the electrical system.	Generator plug is not required.	Jill Fehrman	4	7/14/2020 18:40	7/21/2020 16:14
20200811	20200811007	7	Span Drives & Motors	Sheet 568 task E4 states 40hp motors and the 1 line diagram, sheet 574 shows 50hp. Confirm 50hp for the main motors please.	50 HP for the main motors.	Jill Fehrman	5	7/14/2020 18:41	7/21/2020 16:17
20200811	20200811007	7	Bridge Electrical Work	Reference drawing 575 - Is there a disconnecting means required ahead of transformer T2 and is that arrangement a Mini Power Center NEMA 3R?	A local disconnect will be added to single line in addendum. Yes, Mini Power center NEMA 3R.	Jill Fehrman	6	7/14/2020 18:41	7/21/2020 16:19

20200811	20200811007	7	Traffic Gates & Signals	Where are the flashers located for the Advance Warning Signals, in a junction box at the pole or in the control cabinet?	The flashers for the Advance Warning Signals should be located in a junction box at the pole.	Jill Fehrman	7	7/14/2020 18:42	7/23/2020 10:26
20200811	20200811007	7	Bridge Electrical Work	Please indicate the fixture type shown on drawings 612 through 617. If they are type A fixtures, there does not seem to be any type C fixtures shown on any of the drawings.	They are Type A fixtures. No Type C fixtures are required.	Jill Fehrman	8	7/14/2020 18:43	7/21/2020 16:20
20200811	20200811007	7	Thickness of Fiberglass Sidewalk Plates	Plan sheet 393, 'Fiberglass Sidewalk floor Plate..' detail indicates that the sidewalk plate thickness is 1/2". Plan sheet 394 details in Section C-C and Connection Detail show 5/8" thickness. Which is correct?	5/8" is the correct plate thickness.	Mike Coleman	9	7/22/2020 9:06	7/28/2020 5:51
20200811	20200811007	7	Lightning and Surge Protection	Lightning and Surge Protection - By not fully bonding rebar, the UL master label for lightning protection is not possible. Letter of Finding may be possible for the operator house. There are no UL listed stainless steel ground rods - note 5, plan sheet 594. Is the contractor responsible for re-designing the system to meet UL or bid according to what is shown on plan sheets 594 and 595?	The U.L. listed installer shall install the lightning protection system such that the a master label or U.L. letter of Finding can be achieved. This is for the Tender house only. Follow the ground rod spec in SPV.0105.13 section B.1. Plan will be updated with addendum.	Mike Coleman	10	7/22/2020 10:36	7/28/2020 13:00
20200811	20200811007	7	Brake Position	SPV.0105.06.B.3 page 166, paragraph 6 states that "When the bridge is in the closed position the brake will be horizontal. When the bridge is in the full open position the brake will be a 70 1/2° angle with actuator above the brake wheel." Sheet 550 & 552 depict the brake being set at 45 degrees. Please verify which statement is correct.	The brakes are mounted at 45 degree angle per Sheets 550 & 552. SPV will be updated with addendum	Mike Coleman	11	7/22/2020 11:38	7/28/2020 13:01
20200811	20200811007	7	Brake Wheel Material	SPV.0105.06.B.3 page 167, paragraph 6 states the brake wheel shall be ASTM A276 Type 316 Stainless Steel. Per the brake vendor, this will result in an approximately 17% reduction in torque due to friction. Was this reduction considered in the required torque values specified on sheet 549, note 5? Would a cast iron material be acceptable for brake wheels? The cost of a stainless steel wheel would be 2-5 times the cost of cast. If a cast wheel is not acceptable, could Type 304 Stainless Steel be utilized.	Cast iron material is acceptable. SPV will be updated with addendum.	Mike Coleman	12	7/22/2020 11:38	7/28/2020 13:04
20200811	20200811007	7	Brake Torque	Sheet 549, machinery note 5 states the rated torque for the machinery brake is to be 2650 ft-lbs and sheet 550 states the brake is 16"™. Per manufacture, to achieve the rated torque a 19"™ drum brake would be required. Please clarify.	The rated torque given was for the pair of machinery brakes, not each. Plan will be updated with addendum.	Mike Coleman	13	7/22/2020 11:39	7/28/2020 13:08
20200811	20200811007	7	Brake Wheel	If 19"™ brake wheels are to be used, would the weldment need to be revised for the larger base plate and elevation to the center of the drum?	The machinery brakes wheels shall be 16" diameter.	Mike Coleman	14	7/22/2020 11:40	7/28/2020 13:09
20200811	20200811007	7	Materials	A majority of the brake fabrication/assembly is complete overseas (Germany, Italy, etc.). Please verify if the "Buy America" clause is applicable to the machinery and motor brakes.	Buy America clause is applicable to the machinery and motor brakes.	Mike Coleman	15	7/22/2020 11:40	7/28/2020 13:10

20200811	20200811007	7	Couplings	SPV.0105.06.B.3 page 167, paragraph 6 states " do not use brake wheel couplings. Sheet 551 states "10" drum type motor brake with double engagement gear type motor brake coupling(typ.)". Please clarify.	Do not use brake wheel couplings. Plan will be updated with addendum.	Mike Coleman	16	7/22/2020 11:41	7/28/2020 13:11
20200811	20200811007	7	Brake Operation Limits	Pre the brake manufacturer, due to an air chamber in the brake thrusters, the maximum operational limits for the brakes would be 15 degrees below horizontal. With the current 45 degree preset, the brakes would not release. If the brakes were installed horizontally, the thruster could be rotated 180 degrees for proper operation, otherwise the brakes could be preset to a minimum of 56 degrees. Please clarify.	Multiple manufacturers have provided brakes for various past projects with an angled installation as depicted. See Section A.6.7. Substitutions for substitution requirements due to arrangement of parts. If the contractor's selection of brake manufacturer requires mounting at an alternate angle then any associated costs with modifying the reducer weldment for proper fit shall be at contractor's expense and no additional cost to the department.	Mike Coleman	17	7/22/2020 11:42	7/28/2020 13:13
20200811	20200811007	7	Bolt Size	Sheet 553 Section A-A states the turned bolts are to be 1 1/2" dia. while the elevation and trimetric drawings state the turned bolts to be 1 1/4" dia. Please clarify which diameter governs.	Turned bolt size for the bearing hub is 1-3/4" as correctly shown on front view on same sheet. Plan will be updated with addendum.	Mike Coleman	18	7/22/2020 11:42	7/28/2020 13:15
20200811	20200811007	7	Bolt Material	SPV.0105.06.B.11.3 calls for high strength bolts to be ASTM F3125 Gr. A449. ASTM F3125 only covers A325, A490 F1852 and F2280. Please clarify.	Provide bolts, nuts, and hardened washers that conform to the requirements of ASTM Specifications F3125 Gr. A325. SPV will be updated with addendum.	Mike Coleman	19	7/22/2020 11:42	7/28/2020 13:16
20200811	20200811007	7	Section 410 WQC and Section 404 Permit	The Section 410 WQC and Section 404 Permit have been posted at the following location: ftp://ftp.dot.wi.gov/dtsd/hcci/projectdocuments/20200811007/	The Section 410 WQC and Section 404 Permit have been posted at the following location: ftp://ftp.dot.wi.gov/dtsd/hcci/projectdocuments/20200811007/	Jill Fehrman	20	7/23/2020 11:54	7/23/2020 11:55
20200811	20200811007	7	Concrete	Does the structural concrete and the concrete for seals need to be High Performance Concrete?	There is no high performance concrete required for this project.	Mike Coleman	21	7/23/2020 13:00	7/28/2020 13:17
20200811	20200811007	7	Structural Lightweight Concrete	With regards to the target unit weight of the lightweight concrete, is the 115+/-1 PCF the unit weight at 28 days or at Equilibrium?	The target unit weight of the lightweight concrete given in the bid documents is at equilibrium.	Mike Coleman	22	7/23/2020 13:05	7/28/2020 13:20
20200811	20200811007	7	Lightweight Concrete	How will testing of the air content in the lightweight concrete be performed as no Engineers or Testing Companies are HTCP certified using the roll-a-meter (Volumetric air content method)? A type B air meter cannot be used to measure the air content due to the type of aggregate used to make the concrete be lightweight.	The tester should have ACI basic Field Testing Technician certification sponsored by the Wisconsin Ready-Mix Concrete Association for the volumetric air test.	Mike Coleman	23	7/23/2020 13:09	7/28/2020 13:24

20200811	20200811007	7	Counter Weight Concrete	What is the acceptable range for the unit weight of the counter weight concrete? If the target unit weight is 149.0 PCF, what are the maximum and minimum acceptable unit weights?	There are no predefined maximum and minimum acceptable unit weights for the counterweight concrete. However, the design is based on 149.0 PCF and the contractor will be required to adjust the counterweight as necessary to achieve a balanced leaf condition as defined in the bid documents.	Mike Coleman	24	7/23/2020 13:13	7/28/2020 13:24
20200811	20200811007	7	Pier Demolition	Will cofferdams be required during demolition of the existing water piers to meet the Minimal Debris Removal Spec?	Cofferdams are not required for removal of the existing water piers.	Mike Coleman	25	7/24/2020 8:49	7/28/2020 13:25
20200811	20200811007	7	Schedule	Please provide preliminary DOT schedule for the project.	The design schedule can be found at the following location: ftp://ftp.dot.wi.gov/dtsd/hcci/projectdocuments/20200811007/ The schedule provided is draft and not for bidding purposes. The contractor is required to develop their own schedule and bid to meet the specifications in the plans, special provisions and any addendum that is developed.	Mike Coleman	26	7/24/2020 8:50	7/28/2020 13:42
20200811	20200811007	7	Maintaining River Navigation	There will be a time period during the project that neither the existing bridge or the new bridge will be operational for opening/closing to overheight boat traffic. Per the Staging Specification, contractor is to 'Maintain river navigation during the navigation season'. Does this mean that at least one leaf of each structure must be able to be opened at all times during the navigation season to allow overheight boat traffic to pass? Can DOT provide further details on the anticipated dates of the Navigation Season.	At least one leaf of each structure should remain open to maintain navigation during navigation season. Additionally, the contractor must maintain a navigation channel clear of equipment and barges during the navigation season. The USCG permit does not specify specific dates for a "navigation season". Per Special Provisions, Section 4d, USCG Permit " Contractor needs to coordinate with the USCG 30 days prior to any work that impacts navigation.	Mike Coleman	27	7/24/2020 8:59	7/28/2020 13:45
20200811	20200811007	7	Stabilization of Dredge/Excavated Materials	Landfills have indicated that the excavated material from the river may need to be stabilized with Portland cement or flyash prior to acceptance into their facilities to ensure stability of their slopes. If required by the landfill, would this be considered extra work? Would the added weight from the stabilization material be included in the pay quantity?	Soil borings show granular material and on-site dewatering is required, so stabilization treatment is not anticipated to be needed. If additional stabilization is required and documentation from the landfill is provided, staff could consider extra work.	Mike Coleman	29	7/24/2020 12:50	7/28/2020 13:48
20200811	20200811007	7	South Abutment Seal Layout	Please provide anticipated footprint of concrete seal for south abutment. Section C-C of sheet R02 of R43 scales to roughly 2'0" outside of new footing, however at 3'9" thickness this only calculates to 50% of plan quantity for seal concrete.	There is a note on sheet R01 of R43 (South Abutment) that refers the contractor to the "Rip Rap Details" sheet (drawing R43 of R43) for assumed cofferdam layout.	Mike Coleman	30	7/24/2020 13:30	7/28/2020 13:48

20200811	20200811007	7	Mandatory Pre-Bid Meeting	Could you post a roster of the people that attended the Pre-Bid Meeting?	The attendance list has been posted at the following location: ftp://ftp.dot.wi.gov/dtsd/hcci/projectdocuments/20200811007/	Jill Fehrman	31	7/24/2020 13:31	7/24/2020 13:33
20200811	20200811007	7	Structure Excavation	Will all material excavated for Piers #1, #3, #4, and the Bascule substructure units be paid under the SPV. Exc., Haul, & Disposal of River Material pay item or only the portion that is determined to be contaminated?	Please refer to drawing G05 of G15 in the plan which includes general notes regarding pay limits for the excavation of river material. The assumption is that all excavated river material is contaminated and will be disposed of as such.	Mike Coleman	32	7/24/2020 14:26	7/28/2020 13:49
20200811	20200811007	7	Asphalt Questions	1. On sheet 15 the detail showing the side road tie ins show a 4 MT with H oil. With the side roads being low volume would an LT mix be a better application. 2. For the Dam Access can a 12.5 mm mix be used with 1-3" Lift.	1. Use asphaltic surface as shown in the miscellaneous quantities. A revised detail will be included in an addendum. 2. We will allow a single 3â€ lift with 12.5 mm nominal size for the Dam Access Road.	Mike Coleman	33	7/28/2020 8:02	7/31/2020 7:31
20200811	20200811007	7	North Bascule Abutment Concrete Quantity	Was an allowance included in the concrete quantities for the bascule abutment for additional footing thickness or was the 2'6" thickness used in the calculations? Can a breakdown of concrete quantities of both bascule substructure units be provided to help clarify discrepancies?	Yes, the expected variation in footing thickness was accounted for in the calculation of the footing concrete quantity. The estimated concrete quantities are broken down by substructure unit on plan sheet 313.	Mike Coleman	34	7/28/2020 11:53	7/29/2020 13:43
20200811	20200811007	7	Motor and Machinery Brake Mounting Arrangement	Drawing M4 shows the brakes mounted at a 45 degree angle with the bridge in the closed position. Section B.3 of specification (page 166 of 293) states that the brakes will be in a horizontal position when the bridge is closed. The brake manufacturer states the brakes will not function properly after the bridge is opened if mounted at the 45 degree angle with the bridge closed. Brakes must be mounted at a horizontal position when the bridge is closed. The brake manufacturer needs to be advised to the actual mounting position of the brake when the bridge is closed as this is a contradiction between the plans and the specification and affects the orientation of the thruster.	See responses to questions 11 and 17. The specification is updated in Addendum #1.	Mike Coleman	35	7/29/2020 9:18	7/31/2020 6:57
20200811	20200811007	7	Sidewalk Panel Attachment	Are sidewalk panels fastened to the underlying structural steel only at the splice locations as detailed on sheet 394 or are there additional fasteners required along the longitudinal edges as well?	Use the â€œCountersunk Bolt Connection Detailsâ€ on sheet 394 to fasten sidewalk panels to all supporting steel including sidewalk stringers with typical spacing of 5 1/2â€ as noted.	Mike Coleman	36	7/29/2020 11:26	7/31/2020 6:57

20200811	20200811007	7	Peninsula Parking Lot Use	What are the expectations and/or requirements for contractor use of the parking lot? Are there any size limitations or use restrictions? What kind of restoration work would be required?	Parking lot must be restored to pre-construction condition. Public access to the peninsula must be maintained during construction, but not within the contractor area. Refer to the traffic control plans. Contractor area must stay within the TLE as shown in the plat. Equipment size and limitations shall be determined by the contractor. No hauling across the Curtis Reed Plaza bridge is allowed. Addendum #2 will include asphalt quantity for restoration of the parking lot within the TLE.	Mike Coleman	37	7/29/2020 12:02	7/31/2020 6:58
20200811	20200811007	7	Concrete for the Bascule Pier and Abutment at Track	The plan states the required compressive strength for the concrete for the bascule piers and the abutment at track is 6,000 p.s.i. Does this concrete need to have 1.5" (#2 Stone) coarse aggregate or would 3/4" coarse aggregate (#1) Stone be acceptable? The reason for the question is with the larger aggregate, it will take more cementitious material to get the desired strength results; however, this will also lead to a higher potential for plastic shrinkage cracking!! Does it need to have 6% +/- 1.5% for an air content? How many yards of this concrete is on the project?	1.5" aggregate is not required. Air content per Section 501. Limits of the 6,000 psi concrete are for those pours that encapsulate the track girders. Those are pour M for the bascule abutment (drawing P41) and pour K for the bascule pier (drawing P65).	Mike Coleman	38	7/29/2020 12:36	7/31/2020 7:00
20200811	20200811007	7	Lightweight Concrete to fill the open grid deck	Is corrosion inhibitor required as an admixture in the lightweight concrete mix?	No.	Mike Coleman	39	7/29/2020 12:38	7/31/2020 7:01
20200811	20200811007	7	Failure Critical Material	The structural set notes parts that are Fracture Critical Material (FCM). This requirement is not noted for any parts in the mechanical set. Are there any mechanical parts to be FCM? Possibly the bearing housing or rear lock components?	No.	Mike Coleman	40	7/29/2020 13:19	7/31/2020 7:01
20200811	20200811007	7	Bearing B	Plan PDF page 550 shows Bearing B, including a shaft, adapter, bearing, seal, and housing. These parts as specified in the plan set do not match. Please clarify.	This is not a question. Please clarify the what the question is.	Mike Coleman	41	7/29/2020 13:20	7/31/2020 7:03
20200811	20200811007	7	Secondary Reducer Fasteners	Plan PDF page 551 shows the secondary reducer connection to its support, which does not allow access to the threaded end of the bolt. Access is required for hydraulic tensioning. Are these fasteners to be hydraulically tensioned?	These fasteners are not required to be tensioned hydraulically.	Mike Coleman	42	7/29/2020 13:21	7/31/2020 7:04
20200811	20200811007	7	Center Lock Castings	Plan PDF page 383 shows the center lock castings. Can a forging be substituted for the casting material requirement of this part?	No.	Mike Coleman	43	7/29/2020 13:22	7/31/2020 7:05

20200811	20200811007	7	North Abutment Concrete Quantity Follow Up Question	What is the expected variation in footing thickness and how much additional concrete does this add above the 2'6" nominal thickness. Our takeoffs are coming up significantly low for this substructure unit but were based on a 2'6" footing. Is there a further breakdown of the total concrete quantity for the two bascule substructure units (footings, exterior wall, floors, interior walls/supports) so we can try to find where our calculations differ?	No further breakdown will be provided. Footing thickness varies due to variation in the elevation of sound rock as evidenced by the soil borings. See plan sheet 426 for sketch of approximate variation.	Mike Coleman	44	7/29/2020 13:57	7/31/2020 7:06
20200811	20200811007	7	Navigation Season	In the special provisions it states that the water wary needed to maintain river navigation during navigation season. When will the area be allowed to not have navigation area open?	See response to question 27. The area may be allowed to not have navigation from mid-October to mid-April pending approval and after coordinating with the USCG 30 days prior, per Special Provisions, Section 4d, USCG Permit.	Mike Coleman	45	7/29/2020 14:46	7/31/2020 7:07
20200811	20200811007	7	Item SPV.0085.02, Steel Treads, Tracks & Centerblocks: E, Payment Unit LB?	These very labor and machining intensive items are typically bid as a lump sum and not by the pound, can payment be changed from "LB" to "LS"?	The department is comfortable with leaving the item as a unit of LB.	Mike Coleman	46	7/30/2020 8:15	7/30/2020 12:59