

No.	Question Submitted	Status	Add. No.
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Bids will be opened on 10/14/09 as scheduled. All Addendums up thru Addendum 7 have been issued.

Q1.	Item 0702080A - Coal Tar Epoxy Coating of Piles is not in the special provisions; it is listed as a bid item however. Please advise.		
R1.	Special Provision 0702080A - Coal Tar Epoxy Coating of Piles is provided in Addendum.	F	1
Q2.	The Contract Time and Liquidated Damages specification lists the project duration as 919 days, is this correct?		
R2.	No, the Contract duration is actually 991 days. The special provision entitled "Contract Time and Liquidated Damages" has been revised in Addendum No. 1.	F	1
Q3.	Construction Staging Drawing GC-030 depicts the construction of a DC Traction Power Substation and appurtenances. Where are the detailed drawings and specifications for this work?		
R3.	The detailed drawings and specifications for the DC Traction Power Substation and appurtenances will consist of approximately 50 new drawings and associated specifications, which are provided in Addendum No. 1. Addendum No. 1 also includes revisions to several other plans and specifications to address minor coordination issues.	F	1
Q4.	Drawing P-405 (Sheet 283) and drawing P-406 (Sheet 284) appear to require no Contractor work and only depict work that is performed by Metro-North, is this correct?		
R4.	Yes, all work depicted on drawings P-405 and P-406 is performed by Metro-North. Both of these drawings have been deleted from the Contract in Addendum No. 1.	F	1
Q5.	The Contractor lay down area noted on the plans does not seem sufficient in size for a project of this magnitude. Is ConnDOT pursuing additional areas for Contractor use, or is this the Contractor's responsibility?		
R5.	ConnDOT is actively pursuing acquiring a parcel of land adjacent to the site that will be designated as a Contractor lay down for this project. The site is approximately 2 acres in size. ConnDOT expects to issue a future addendum prior to the bid opening depicting this location. The addendum will be issued once the Department is successful in acquiring the property.	F	1
Q6.	I was recently contacted by a potential GC bidder on this upcoming large scale project to look at the insulated translucent sandwich panel windows and skylights systems on this large scale project (section 08 45 00 & 13) and noticed that there is only one manufacturer listed in the specifications. Being that this is likely a state public project, one would assume that if another manufacturer such as ourselves (CPI Daylighting Inc.) could produce the equivalent panel systems, that we would be allowed to offer competitive pricing to bidding general contractors. We (CPI) can even offer minority participation with certified installers of our systems (see www.cpidaylighting.com). Please tell me what and how one can submit information (testing/testimonial/project records/etc) to allow this to take place. CPI is very interested in this large panel project per the above sections.		

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R6.	All products specified in this Contract, with the exception of the security access control and intrusion detection system (see response to Question 7 below), are specified as “or equal” products. This means the prime Contractor that is awarded the project can submit shop drawings that contain products by any manufacturer that meets the requirements of the Contract. The Designer will review these products and approve them for use if they meet all contractual requirements on the plans and in the specifications. For specifications 08 45 00 and 08 45 13, Part 2.1A includes the “or equal” language referenced in the question. No changes will be made by Addendum.	F	1
Q7.	The response to the previous question indicates specifications 28 13 00 – Access Control and specification 28 16 00 – Intrusion Detection are sole sourced products, however, these specifications appear to be written as “or approved equal” specifications as well. Please clarify.		
R7.	The Department has received approval to sole source these products due to the sensitive nature of the security system and the need for the new system to seamlessly integrate into the existing system within the railyard. Specifications 28 13 00 and 28 16 00 were incorrectly written as “or approved equal” specifications and corrected versions will be made available for viewing only in the DOT Contract’s Office as part of Addendum No. 1. The manufacturers currently listed in the specifications are correct, however, all references to “or approved equal” or “but are not limited to” will be removed.	F	1
Q8.	The door schedule on drawing A1-601 shows 18 doors on the mezzanine level. I can not find a floor plan of the mezzanine level. There are plans for the stairs and toilet rooms, but not an overall plan showing door locations.		
R8.	Mezzanine level doors are shown on Drawing A1-105, Details 4 and 5 and on Drawing A1-501, Detail 6.	F	1
Q9.	Spec Page No. 23 09 00 – 4, Section 2.2.A.10 (or approved equal) Provide Carrier open product that meet ASHRAE BACNET Standard and is fully-integrated BACNET communication to Building Automation System with a powerful, web-based user interface to form a cohesive, intuitive, and fully-integrated system. Please be advised that Automated Logic Corporation is listed as an approved manufacturer and is owned by CARRIER Corp. Therefore, CARRIER should be an acceptable bidder.		
R9.	Please refer to the response to question 6. The prime contractor can submit Carrier products for review during the shop drawing review process.	F	1
Q10.	Regarding Dewatering: Where is the information that tells the vendor where the amount of water generated can be found? In addition, where is the discharge pipe for treated water located on the site? Who determined the size of the treatment system? 2 million is a large sum - # of fraq. tanks size of piping amount of water through-put.		
R10.	The following answer is included in Addendum No. 5 and revises the answer previously issued in Addendum No. 1: The construction methods section in Item #0204503A – Dewatering is revised in Addendum No 5 to limit the maximum dewatering discharge to 1000 gpm until December 1, 2010, and then to 500 gpm until the project is completed. It also indicates it is the contractor’s responsibility to have the dewatering system designed by a Connecticut licensed Professional Engineer to operate within this maximum flow rate. The contractors work shall be scheduled accordingly so this maximum flow rate is not exceeded. The dewatering discharge pipe for the treated water can be found on Drawing UW-004, northwest of the “Existing Stores Building (Building 10”).	F	5
Q11.	It is our understanding that the project will require the Prime contractor to provide 25% of the contract value per revised Article 1/08/01. We were told on the phone by a DOT representative that this will be measured solely on a monetary scale. We assume this requirement can be met by either material, labor or a combination of both. Please confirm.		
R11.	Yes, the 25% prime contractor requirement for the project can be met by material, labor or a combination of both.	F	1

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Q12.	We understand that the project has a duration of 991 calendar days. Will this be a full year calendar (January 1 – December 31) or will it be measured by the DOT calendar (April 1 – November 1)?		
R12.	The duration is based on a full year calendar, January 1st to December 31st. There is no winter shutdown. Please refer to Specification Section 1.08 - Prosecution and Progress, Sub Section 1.08.07 - Determination of Contract Time on Page 183 of the specification for further information.	F	1
Q13.	Is the contractor responsible for removing the existing material in the existing waste stockpile area (WSA) bins?		
R13.	No, the material in the existing WSA bins will be removed by Others prior to the Notice to Proceed.	F	1
Q14.	Will the list of attendees from the pre-bid conference and the pre-bid site visit be available for all attendees to view?		
R14.	Yes, both lists will be posted on the New Haven Railyard website @ www.newhavenrailyard.org within the first week of July.	F	1
Q15.	What are the pay limits for Item 203044A – Structure Excavation (Complete), Item 202003A Earth Excavation, and Item 206004A Pervious Structure Backfill within the footprint of the Change Out Facility?		
R15.	The following answer revises the answer previously issued in Addendum No. 1: The cost for Earth Excavation within the footprint of the Maintenance Facility is not included in the major lump sum item (MLSI), all of this excavation is measured and paid for under Item 203004A - Structural Excavation – Earth Complete. All required Pervious Structure Backfill within the Maintenance Facility footprint is paid for under Item 216004A. The Major Lump Sump Item includes work described in the CSI specifications including utility connections to a limit of 5'-0" outside of the Facility.	F	2
Q16.	Reference Drawing S1-47 Sheet 510 and Drawing S1-048 Sheet 511. What are the depths of the sleeves in the pits?		
R16.	The depths listed here are for estimating only and were based on Macton cut sheets. Final depths of pits and sleeves shall be coordinated with the approved equipment shop drawings. Pit A: 2 sleeves are 11'-4" and 4 sleeves are 8'-1" from the bottom of the pit. Pit C: sleeves are 7'1" from the bottom of the pit.	F	2
Q17.	What type of fill material is required under the concrete floor slab at the Change Out Shop?		
R17.	Refer to Item 0216004A – Pervious Structure Backfill for type of fill material required under the concrete floor slab.	F	2
Q18.	Elevation drawing 382 and the glazing specification refer to a curtain wall. There is no curtain wall specification contained in the Bid Documents. Please issue a specification to cover this work.		
R18.	See Section 07 42 63 - Fabricated Wall Panel System for all requirements for this item. CSI Specification 084413 – Curtain Wall was incorrectly referenced and is not part of the Contract. All references to Specification 084413 - Curtain Walls have been removed in addendum No. 2.	F	2
Q19.	Finish Floor Plan of Lunch Room (sheet 456) shows VCT and polished concrete for floor finishes in Dining Areas 173A, B & C, Vending 373D and Serving Area 372B. The finish schedule calls for quarry tile in all these areas. Please verify the correct floor finishes for these areas.		
R19.	Floor finish is both polished concrete and VCT tile in these Lunchroom areas. Layout indicated on drawing A1-901. Revised Finish Schedule is provided in Addendum No. 2.	F	2

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Q20.	The Finish Schedule shows porcelain tile in elevator lobbies and the Kitchen Breakroom on the 4 th floor. Specification Section 09300 – Tile does not have a porcelain tile section for the porcelain required.		
R20.	Porcelain tile was added to CSI Specification Section 093000 - Tile, which is included in Addendum No. 2.	F	2
Q21.	Specification Section 09300 lists epoxy grout and latex Portland cement grout. The installation standards only list epoxy grout for floors and walls. Please verify the requirement for epoxy grout at all floors and walls.		
R21.	Epoxy grout to be used in all tile installations. Clarification of epoxy grout requirements was added to CSI Specification Section 093000 - Tile, which is included in Addendum No. 2.	F	2
Q22.	Section 09300 2.6 lists waterproofing membrane but the installation standards list TCA method F113 which is thinset tile applied directly to concrete. Please verify where waterproofing membrane is required. The correct TCA method is F122 for thinset over concrete with membrane. We assume the waterproofing membrane is not required at the ground floor, please advise.		
R22.	Waterproofing membrane is required in all floor tile installations except locations at the ground floor level. Clarification of waterproofing membrane requirements was added to CSI Specification Section 093000 - Tile, which is included in Addendum No. 2.	F	2
Q23.	Stairs #300 and #400 do not appear on the Finish Schedule. They are a continuation of Stair #205 from the 2 nd floor. Please verify finishes in these stairs.		
R23.	Interior finishes for Stair #300 and #400 to match interior finishes of Stair#205. A revised “Finish Schedule” Drawing No. A1-610-0 (Sheet No. 421-0) is included in Addendum No. 2.	F	2
Q24.	The 4th floor (Sheet 348) Rooms 433E and 400C & 400D are not shown on the Finish Schedule. Please provide finishes for these areas.		
R24.	Interior finishes for rooms 400C & 400D to match interior finishes of room 400B. Interior finishes for room 433E to match interior finishes of room 430E. A revised “Finish Schedule” Drawing No. A1-610-0 (Sheet No. 421-0) is included in Addendum No. 2.	F	2
Q25.	The Finish Schedule (Sheet 421) shows Stair 321 (Stair No. 10) receiving rubber treads rubber floors. Stair 420, which is the same stair on the upper floor, shows the stair being finished in carpet. Please verify finish required for this stair.		
R25.	Rubber floor finishes are required for stair 420. A revised “Finish Schedule” Drawing No. A1-610-0 (Sheet No. 421-0) is included in Addendum No. 2.	F	2
Q26.	The Finish Schedule does not show the Stair labeled 268B (Stair No. 9). This stair is the same stair marked as 374 on the 4 th floor. Please indicate this area in the schedule.		
R26.	Finishes for stair labeled 268B are the same as stair labeled 374. A revised “Finish Schedule” Drawing No. A1-609-0 (Sheet No. 420-0) is included in Addendum No. 2.	F	2
Q27.	The Finish Schedule (Sheet 420) indicates a type C floor finish in room 166. There is no C finish in the legend. Please verify finish required.		
R27.	Do you mean room no M166? If yes, then required floor finish will be RF. A revised “Finish Schedule” Drawing No. A1-609-0 (Sheet No. 420-0) is included in Addendum No. 2.	F	2

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Q28.	The Finish Schedule does not show Rooms 309A, B, C, D, E, and F which appear on the 3 rd floor plan. Please verify finishes for these rooms.		
R28.	Finishes for rooms 309A, B, C, D, E, and F to match interior finishes of room 309. A revised "Finish Schedule" Drawing No. A1-610-0 (Sheet No. 421-0) is included in Addendum No. 2.	F	2
Q29.	The 1 st floor plans indicate that 8" diameter bollards are typical. The details on Sheet 524 indicate that all bollards on the ground and second floors are 6" diameter. Please verify the size of bollards required for the ground, first, and second floors.		
R29.	All bollards are 6" diameter; sheet 339 and 340 are revised in Addendum No. 2.	F	2
Q30.	Specifications 081100 – Windows and 084413 – Curtain Wall are missing from the DVD.		
R30.	Exterior Windows & curtain/window wall components are indicated in CSI Specification Section 07 4263 Fabricated Wall Panel System. CSI Specification 081100 is for Metal Doors and Frames, not Windows. CSI Specification 084413 – Curtain Wall was incorrectly referenced and is not part of the Contract. All references to Specification 084413 - Curtain Walls have been removed in Addendum No. 2.	F	2
Q31.	Sheet 339 seems to show a base cabinet in the Component Clean Shop Room 117. Please confirm the responsibility for this cabinetry and provide details for pricing.		
R31.	This double sink is floor mounted and there is no base cabinet.	F	2
Q32.	Sheet 344 seems to indicate some type of cabinetry in Clerk Office 219. Please confirm if it is to be included in the bid, and if so, provide details of what is required.		
R32.	This reception desk is Not In The Contract. The Furniture is shown on drawings for reference only.	F	2
Q33.	Coat Closet 268 on sheet 344, Coat Closet 324 on sheet 345, and coat closet 419 on sheet 348 all seem to indicate a shelf with a rod. Please confirm what is required for the bid and provide details.		
R33.	All coat closets to receive rod and shelf. Refer to CSI Specification Section 062000 Finish Carpentry paragraph 2.2 for coat closet rod and shelving.	F	2
Q34.	On sheet 345 there appears to be shelving shown in the Operations Storage Room 318. Please confirm what is required for the bid and provide details.		
R34.	The File Cabinets are shown on the drawings for reference only and are Not In The Contract.	F	2
Q35.	Copy Area 327 on sheet 345 appears to show cabinetry on three walls. Please confirm what is required for the bid and provide details and/or elevations.		
R35.	Provide and install 30"h x 24"d base cabinets and 30"h x 12"d upper cabinets with shelving and 24"d counter as per plan layout. Refer to CSI specification 062000 Finish Carpentry paragraph 2.1 Plastic Laminate Casework for fabrication and installation details. A revised specification is found in Addendum No. 2.	F	2
Q36.	Planning Room 414 on sheet 348 appears to show cabinetry on three walls. Please confirm what is required for the bid and provide details and/or elevations.		

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R36.	Provide and install 30"d counter as per plan layout, installed at 36" AFF. Refer to CSI specification 062000 Finish Carpentry paragraph 2.1 Plastic Laminate Casework for fabrication and installation details. A revised specification is found in Addendum No. 2.	F	2
Q37.	Work Room 426 on sheet 348 appears to show cabinetry on three walls. Please confirm what is required for the bid and provide details and/or elevations.		
R37.	24"d counter as per plan layout. Refer to CSI specification 062000 Finish Carpentry paragraph 2.1 Plastic Laminate Casework for fabrication and installation details. A revised specification is found in Addendum No. 2.	F	2
Q38.	Kitchenette 422A on sheet 348 seems to show cabinetry on both long walls. Please confirm the need for cabinetry on the East wall and provide details and/or elevations.		
R38.	Provide and install 12"d x 36"h base cabinets with counter along east wall in addition to other cabinetry indicated. Refer to CSI specification 062000 Finish Carpentry paragraph 2.1 Plastic Laminate Casework for fabrication and installation details.	F	2
Q39.	Between Column Line 12 & 13 / & F there is an overhead door that has no # and is not in the Door Schedule.		
R39.	Coiling door is number 1.92, size: 12'-0"w x 8'-0"h. A revised door schedule is included in Addendum No. 2.	F	2
Q40.	Between Column Line 2 & 3 / H 2 there seems to be an overhead door but it is not in the schedule the elevations on A1 – 304 shows a standard door and no bollards as the floor plan shows bollards. The door # shown on A1-111 IS 1.31 and is not used in the door schedule.		
R40.	Coiling door is number 1.31, size: 8'-0"w x 8'-0"h. A revised door schedule is included on Drawing No. A1-601-0.1 (Sheet No. 412-0.1) in Addendum No. 2.	F	2
Q41.	Door schedule shows doors 1.16, 1.18, 1.19, 1.20, 1.47, 1.48 dimensioned, and elevations on A1-302 & A1-304 shows larger sizes. Please clarify.		
R41.	All doors are sized as per door schedule on sheet A1-601. Revised building elevation drawings A1-302 and A1-304 are included in Addendum No. 2.	F	2
Q42.	The schedule calls for door 1.25 to be in 140a but it is in 140c.		
R42.	Door 1.25 is located in room 140A. A revised door schedule is included on Drawing No. A1-601-0.1 (sheet No. 412-0.1) in Addendum No. 2.	F	2
Q43.	Please provide details for interior overhead door supports and guides.		
R43.	Door frame details for coiling doors are shown on sheet A1-605.	F	2
Q44.	Drawing A1-604 states there are head details on 4 / A5 -701 are these A5 drawings available?		
R44.	Noted 4/A5-701 is a drafting error. Door frame details are located on sheet A1-605. Revised Drawing A1-604 is included in Addendum No. 2.	F	2
Q45.	Column Line 9 & 9.9 / H 2 second floor has an overhead door 2.20 that is not in the schedule, please advise.		
R45.	Coiling door 2.20, size: 12'-0"w x 8'-0"h to be included. A revised door schedule is included on Drawing No. A1-601-0.1 (Sheet No. 412-0.1) in Addendum No. 2.	F	2
Q46.	Drawing A1-116 Room 296A has an overhead door with incorrect door # please advice to what door on the schedule this door applies to.		

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R46.	Coiling door 2.122, size: 16'-0" w x 14'-0"h to be included. A revised door schedule is included on Drawing No. A1-602-0.1 (Sheet No. 413-0.1) in Addendum No. 2.	F	2
Q47.	On the schedule there is a door 1.18 overhead door, please advise as to where this door location exist.		
R47.	Coiling door 1.18, size: 8'-0" w x 11'-0"h is located in room 140C. A revised door schedule is included on Drawing No. A1-601-0.1 (Sheet No. 412-0.1) in Addendum No. 2.	F	2
Q48.	Ref Drawings S1-041, S1-042 – The pile caps at enlarged plans A, B, C, D, E, F, &G do not show enough details. Please clarify.		
R48.	For A & B, the top of the pilecap is the bottom of the elevator pit as noted on the pit plan. The bottom of the pilecap elevation is noted on the foundation plans. A has 60 (50T) 16" sq. precast piles and B has 53 (50T) 16" sq. precast piles as shown on S1-042. Plan C shows that the pile layout with the overlapping caps. Top bars are #7@6", see revised drawings included in Addendum 2. On Plan D, section 3 is modified to incorporate lower exterior finished grade than typical and section 4 is taken in the longitudinal direction, see revised drawings included in Addendum 2. On Plan E, the top of the pile is at the bottom of the elevator pit as noted on the pit plan. The raised portion of the cap as shown in sections 1 & 2 is determined by the column base plate details and elevations, see revised drawings included in Addendum 2. Plans F & G, the bottom of the pilecap is shown on the foundation plan and the top of the pilecap is labeled on the Shear Wall Elevation 1 drawing.	F	2
Q49.	Ref Drawing S1-006 and Drawing S1-047 to S1-049 do not show details or sections for elevator or sump pits. Please clarify.		
R49.	See Section 3 on S1-045 and traction power MH-18 on s1-047; these address the elevator and sump pits as a similar condition. Elevators 3, 4 & 5 wall and pilecap details are on Shear wall elevations 2 & 3.	F	2
Q50.	Ref Drawing S1-004 – Do the depths of foundation beams as shown on beam schedule begin from top of concrete slab, elevation 10'-5"?		
R50.	Yes, depths of foundation beams begin from top of concrete slab, elevation 10'-5".	F	2
Q51.	Ref Drawings S1-045 – At a typical section at the exterior foundation the precast panel connection detail is not shown on S1-053 as indicated. Please clarify.		
R51.	Detail is are included in Addendum No. 1, drawing S1-061-0.	F	2
Q52.	Details for typical pile caps are shown in drawings S1-044 and S1-045 and refer to concrete encasement of steel columns. Please provide the schedule for concrete encased columns.		
R52.	Locations for column encasement are noted in the Fire Proofing notes in the Architectural Drawings A1-104.1 thru A1-104.4.	F	2
Q53.	Ref drawing S1-011 – Section 3/S1-011 please provide expansion joint details.		
R53.	The structural drawings have typical expansion joint detail on S1-066. See Architectural Dwg A1-721 for the complete floor expansion joints.	F	2
Q54.	Ref drawing S1-014 – Section 1/S1-014 Shows concrete curb. Where are the locations of this curb on the second floor plan? Does this mean the curb exists over the entire perimeter of the second floor?		

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No.	Question Submitted	Status	Add. No.
R54.	Curb section mark is at the staging platform between column lines 8 and 9.9. The curb is located on the free edges of the staging platform on column lines 8 and 9.9 between column lines H.2 and J.	F	2
Q55.	Drawing S-055 Refers to detail A on drawing S1-056. This detail is not shown on S1-056. Please clarify.		
R55.	Detail A is on S1-062-0, Drawing S1-055 is revised Addendum No. 2 to note the correct sheet reference.	F	2
Q56.	Ref Drawings S1-055, S1-056, S1-062 – Please dimension shear walls.		
R56.	Shear walls are dimensioned on architectural stair drawings, A1-156 to A1-159.	F	2
Q57.	The typical Section of shear wall shown on S1-054, does this apply to all shear walls on the job? It does not match drawing S1-062. Please clarify.		
R57.	The section on S1-054 applies to the shear walls on S1-054. This is clarified in Addendum No. 2.	F	2
Q58.	On drawings S-004 & S-005, it appears that some of the elevations for bottom of concrete footings are not consistent with the surrounding elevations. Are the elevations shown on the drawings correct?		
R58.	On the South side of the CCO between column lines 10 and 13, the final grade is less than EL 10.4'. Pilecaps at 10-C.9 and 12-C.9&C.3 have been dropped down slightly to account for this. This is the only location around the building that is less than EL. 10.4'.	F	2
Q59.	On Sheet QB-11, the second panel of boring FL-22 is missing. Could you please provide the complete boring FL-22?		
R59.	This boring log was omitted in the General Deliverables and is added on Drawing No. GB-011-0 (Sheet No. G) in Addendum No. 2.	F	2
Q60.	In the Prosecution & Progress (Page 182) of the Special Provisions. Is it the States intent that the Contractor has a "minimum of 2 pile driving crews, working 10 hours a day, six days a week"?		
R60.	Correct.	F	2
Q61.	Normally the State has a separate contract item for test piles. Will the State add an item to cover this?		
R61.	Refer to contract item 0702797A – Dynamic Pile Driving Analysis and 0702801A – Pile Loading Test.	F	2
Q62.	On Drawing Sheet 506, in the "Fixed Head" detail, which contract item is referenced by the arrow "Pay Limit for Prestressed Pile"?		
R62.	The pay limit refers to Items 0702396A - Driving Prestressed Concrete Piles & 0702355A - Furnishing 16" Prestressed Concrete Piles.	F	2
Q63.	In the past the State has had items for Structural Steel raw materials. Since there is over 4 million pounds of structural steel on this project, would the State include an item for "MATERIALS FOR STRUCTURAL STEEL"?		
R63.	No, the item "MATERIALS FOR STRUCTURAL STEEL" will not be included. This item is only included for bridge type projects.	F	2

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Q64.	Bid item 203004A – Structure excavation – earth complete article 2.03.01 – description is replaced and the first paragraph now reads “With the exceptions noted below, structure excavation shall include the removal of all material of whatever nature, the removal of which is necessary for the construction of foundations of buildings, oil water separators, holding and storage tanks, retaining walls outside the earth excavation payment limits, catenary structures, poles, and other structures shown on the plans...;”. The exceptions do not recognize footing excavation within the Change Out Facility. Yet the response to question 15 of questions and responses, dated July 2, 2009 indicates that item 203004A – Structure Excavation (Complete) is not measured for payment within 5’-0” of the building footprint and would therefore be excluded from pay item 203004A and be paid in item 0100150A – Maintenance Facility. Please clarify.		
R64.	The response to Question 15 is revised. The Structural Excavation for the building is entirely included within Item 203004A - Structure Excavation – Earth Complete and is not included in Item 010015A - Maintenance Facility.	F	2
Q65.	Which pay items exclude work within the building footprint that would then be included in the lump sum item 0100150A – Maintenance Facility, for payment?		
R65.	The following answer revises the answer previously issued in Addendum No. 2: The CSI Specifications describe all work that is included in the Major Lump Sum Item (MLSI). Work described in the CSI Specifications includes work within the building footprint, extending horizontally to a point 5'-0" from the foundation wall including all utility service connections, and extends vertically to the bottom of the concrete slabs, grade beams, equipment pits, elevator pits, and pile caps, and includes the items located within the pits, which also may extend below the bottom of these concrete limits. All other work both within and outside the building footprint not included in the CSI specifications is covered by the Form 816 Items.	F	4
Q66.	Specification Section 09 21 16 – Gypsum Board Assemblies, indicates abuse resistant gypsum panels for wall locations requiring impact and abuse resistance. The finish schedule and partition types do not indicate this material. Please clarify its location.		
R66.	Abuse resistant gypsum panels shall be used in all gypsum board locations.	F	2
Q67.	Specification Section 09 94 19 – Multicolor Interior Finishing, this product is not indicated on the finish schedule. Please clarify where it is utilized.		
R67.	Multicolor interior finishing is to be applied in the following rooms: 100C, 141, 142, 163, 200B, 200C, 200D, 200E, 200F, 200G, 235A, 237A, 238, 239, 240, 259, 267A, 268A, 300A, 300B, 300C, 300D, 300F, 300G, 311, 320, 321, 325, 326B, 336, 339, 342, 360, 361A, 363A, 364A, 365A, 400A, 400B, 400C, 400D, 415, 420, 421, 430E, 432A, 433E, 434, 437, 438, 439, 441, 370, 372A, 372B, 373A, 373B, 373C. A revised finish schedule is included in Addendum No. 2.	F	2
Q68.	Please clarify the percentage of work to be self-performed. Volume 1 of 5 Section 1.08 – Prosecution and Progress indicates 25% of total contract value to be self performed. Volume 5 of 5 Required Contract Provisions, page 6, Subletting or Assigning the Contract indicates 30% to be self-performed.		
R68.	The Prime Contractor is to perform 25% of the work.	F	2
Q69.	Specification Section 07 54 00 – Thermoplastic Membrane Roofing – page 7 installation of air barrier indicates this product is to be installed over Dens-Deck. The building sections and details show the Air Barrier applied directly to the steel roof deck. Please clarify.		

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R69.	The following answer revises the answer previously issued in Addendum No. 2: Section 07 54 00 - Thermoplastic Membrane Roofing describes the roofing system consisting of the following elements from steel decking going up. On top of the steel decking is a 5/8 inch Dens Deck overlayment board covered by the air/vapor barrier. This is covered by the roof insulation then an overlayment board and the PVC membrane. The sandwich of Dens Deck-air/vapor barrier/insulation is referred to as "Roof Insulation" in the Roof Details in Drawings A1-717 through A1-719 (Sheet Nos. 442 though 444).	F	4
Q70.	Drawing A1-719 Details 8 & 9 show a skylight curb, is this curb constructed of cold rolled metal studs or hot rolled tube steel.		
R70.	Hot rolled tube steel.	F	2
Q71.	Details of columns on Drawings A1-710 thru A1-713 do not show finished enclosures. Details on A1-714 show gypsum board and CMU enclosures. Please clarify which is required at each column, on each floor.		
R71.	Columns at first floor and second floor shop areas are concrete encased. Columns at second floor office areas are enclosed with CMU. Columns at third and fourth floor office areas are enclosed with CMU and gypsum board. Clarification of enclosure locations on dwg A1-714 are included in Addendum No. 2.	F	2
Q72.	On the Door Schedule – Sheets 412-414 there is a designation S.S. for the door and frame material. Please confirm that this refers to ‘stainless steel’ doors and frames.		
R72.	S.S. refers to stainless steel.	F	2
Q73.	On Sheet 416 – Door Details there is only reference made to ‘hollow metal’ frames. Although there are detail references made for the S.S. openings on the door schedule they refer details for hollow metal. Please provide the correct details for the stainless steel frames.		
R73.	Stainless steel door and frame details are identical to hollow metal details. Clarification of frame and door materials on Dwg. A1-605 is included in Addendum No. 2.	F	2
Q74.	Please confirm that all the exterior man doors are to be ‘stainless steel.’ Please verify if interior doors 1.32 and 1.36 on Sheet 340 are to be stainless steel?		
R74.	Only exterior man doors are stainless steel.	F	2
Q75.	Please verify why interior doors 1.32 (to Room 160) and 1.36 (to Lobby 163) shown on Sheet 340 are listed as stainless steel on the Door Schedule? Are any interior doors to be stainless steel?		
R75.	No interior doors are stainless steel. Door 1.32 is 3’x7’ HM type D, door 1.36 is 6’x7’ HM type I. A revised door schedule is included in Addendum No. 2.	F	2
Q76.	Sheet 340 shows two doors in Corridor 100C labeled as 1.36. They are the exterior door and the door into Lobby 163. Please correct door numbers and door types.		
R76.	Exterior door is door no. 1.34 Stainless steel Type G. A revised door schedule is included in Addendum No. 2.	F	2
Q77.	Door 1.63 shown on Sheet 340 in Corridor 100C is shown on the Door Schedule as a door number ‘not used.’ Please provide door information for this opening.		
R77.	Door no 1.63 is 3’x7’ hollow metal type D. A revised door schedule is included in Addendum No. 2.	F	2

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No.	Question Submitted	Status	Add. No.
Q78.	On Sheet 339 there is an OH door 1.31 indicated at Room 105. The Door schedule shows this door number as 'not used.' Please confirm door type and size required.		
R78.	Coiling door is number 1.31, size: 8'-0" w x 8'-0" h. A revised door schedule is included in Addendum No. 2.	F	2
Q79.	On Sheet 340 there is an OH door indicated along Col Line F next to man door 1.09. This OH door does not have a door number and is not listed on the Door Schedule. Please provide information on door type and size for this opening.		
R79.	Door 1.92 is 12'x8' coiling door. A revised door schedule is included in Addendum No. 2.	F	2
Q80.	Sheet 353 shows door 1.61B from Stair M103 onto the mezzanine level. This door is not shown on the Door Schedule. Please provide door information for this opening.		
R80.	Door shown has been changed to door M.19, 3'x7' hollow metal type D. A revised door schedule is included in Addendum No. 2.	F	2
Q81.	On Sheet 401 Detail Plan 6 there are doors numbered M.06, M.11 and M.12. These doors do not appear on the Door Schedule. Please provide door information for these openings.		
R81.	Doors M.06, M.11 and M.12 have been added to door schedule. M.06 is 2'4x 7' hollow metal type A. Both M.11 and M.12 are 3'x7' hollow metal type A. A revised door schedule is included in Addendum No. 2.	F	2
Q82.	On Sheet 333 there is a door shown at the top of Stair 159 entering the mezzanine corridor M100. This door is not numbered and is not listed on the Door Schedule. Please provide door information for this opening.		
R82.	Door M.01 (3'x7' hollow metal type D) has been added to door schedule and plan 5/A1-160. Revised sheets are included in Addendum No. 2.	F	2
Q83.	On Sheet 343 in Room 212 there is an OH door numbered 2.20. This door does not appear on the Door Schedule. There is a Door 2.18 listed on the Door Schedule that does not show on the floor plan. Is this the same door? Door 2.18 indicates an OH door that is only 10' wide while the opening indicates 4d for Door 2.20 is 16' wide. Please confirm correct number and door size for this opening.		
R83.	Door 2.20 is 12'x8' coiling door. Door 2.18 is 10'x11' coiling door. A revised door schedule is included in Addendum No. 2.	F	2
Q84.	Door 2.37 on Sheet 344 appears to be a single door. The Door Schedule calls for this opening to be 6' wide. Please confirm size of door required at this opening.		
R84.	The following answer revises the answer previously issued in Addendum No. 2: Opening is 6'-0". Drawing A1-116-0 (Sheet 344-0) and the Door Schedule on Drawing A1-602-0.1 (Sheet 413-0.1) are revised in Addendum No. 4.	F	4
Q85.	On Sheet 344 Door 2.67 is shown as a double door entering Lobby 286. The Door Schedule calls for this door to be the accordion door located in Rooms 267/268. Please provide the door information for this double door and renumber as necessary.		
R85.	Double door is 2.16 (6'X7' alum. type I). Door has been updated on A1-116 and in the door schedule, both are included in Addendum No. 2. Door 2.67 (accordion) in Room 267 remains unchanged.	F	2
Q86.	On Sheet 344 Doors 2.100 (at Room 298D), 2.121 (at Room 260), 2.124 and 2.126 (both at Room 294) are not shown in the Door Schedule. Please provide information for these doors.		

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No.	Question Submitted	Status	Add. No.
R86.	Door 2.100 is 3'x7' HM type A. Door 2.121 is not used. Door 2.124 is 3'x7' HM type A. Door 2.126 is 3'x7' HM type D. A revised door schedule is included in Addendum No. 2.	F	2
Q87.	On Sheet 344 exterior OH door 2.122 is shown along column line 23. This door does not appear on the Door Schedule. Please provide door type and size for this opening.		
R87.	Coiling door 2.122, size: 16'-0" w x 14'-0" h to be included. A revised door schedule is included in Addendum No. 2.	F	2
Q88.	On Sheet 345 Door 3.17 is shown next to Stair #4. This door appears on the Door Schedule but there is no information provided. Please complete the information for this door.		
R88.	Door 3.17 is 6'x7' HM type I. A revised door schedule is included in Addendum No. 2.	F	2
Q89.	On Sheet 345 Door 3.104 is shown next to Stair #3. This door is also shown on Sheet 153 as Door 3.05. This door does not appear on the Door Schedule. Please provide information for this opening.		
R89.	Door shown has been changed to door 3.05 on plan A1-117 and door schedule (4'x7' hollow metal type A). Revised sheets are included in Addendum No. 2.	F	2
Q90.	Door 3.98 (at Room 375) on Sheet 346 is shown as 'not used' on the Door Schedule. Please provide door information for this opening.		
R90.	Door 3.98 is 3'x7' HM type A. A revised door schedule is included in Addendum No. 2.	F	2
Q91.	Doors 3.31, 4.37 and 4.42 all located at the North end of Corridor 400B on Sheet 348 show on the Door Schedule as numbers 'not used.' Please provide door information for these openings.		
R91.	Door 3.31 is 3'x7' HM type A. Door 4.37 is 6'x7' HM type I. Door 4.42 is 3'x7' HM type C. A revised door schedule is included in Addendum No. 2.	F	2
Q92.	On Sheet 359 Doors 5.01, 5.02 and 5.03 are shown at the roof level of Stair #5. These doors do not appear on the Door Schedule. Please provide door information on these openings.		
R92.	Door 5.01 is 3'x7' HM type D. Door 5.02 is 3'x7' HM type A. Door 5.03 is 3'x7' HM type A. A revised door schedule is included in Addendum No. 2.	F	2
Q93.	On Sheet 340 there are two doors labeled as 1.44 in Corridor 100B. Please correct and provide door opening information for these openings.		
R93.	Door 1.44 swinging into Room 100B remains unchanged. Door marked 1.44 swinging into Room 151 has been changed to 1.100. Revised sheets are included in Addendum No. 2.	F	2
Q94.	Please verify the payment method for excavations and backfill for the pile caps and foundation beams for the proposed building. The answer to question # 15 posted on the CT DOT web site states that Item # 203044A and Item # 206004A <i>will not be</i> measured for payment within the building footprint, therefore the cost of this work should be carried in the MLSI for the building. This is contrary to the payment method on other CT DOT projects. If this is the case, these quantities cannot be calculated from the drawings available because no existing elevations and/or contours are shown on the plan sheets. Regardless of the payment method, is a plan sheet showing existing contours and spot elevations available?		

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R94.	The following answer revises the answer previously issued in Addendum No. 2: The response to Question 15 was revised in Addendum 2. These items will be measured for payment within the building footprint. Existing contours and spot elevations are located on the General Deliverable Drawings, Existing Conditions Subsurface Plans (Volume 5- GS Series Dwgs).	F	4
Q95.	Room 419 Coat room calls for a shelf and a closet pole, however on the opposite wall there seems to be some type of counter Drawing #A1 -120, please clarify and provide details if needed.		
R95.	Room is to have one rod and one shelf each side. A revised plan is included in Addendum No. 2.	F	2
Q96.	Corridor 300A Drawing # A1-118 shows some type of counter .Please clarify and provide details.		
R96.	Open closet in corridor has one rod and one shelf. A revised plan is included in Addendum No. 2.	F	2
Q97.	Between room 298 and 298E shows some type of counter. Drawing A1-116 Please clarify and provide details.		
R97.	Provide and install 24”d counter @ 30" AFF as per plan layout. Refer to CSI specification 062000 Finish Carpentry paragraph 2.1 Plastic Laminate Casework for fabrication and installation details.	F	2
Q98.	Room 233 shows some type of counter, drawing A1-116 please clarify and provide details.		
R98.	Equipment inadvertently shown on plan. Equipment has been removed and a revised drawing is included in Addendum No. 2.	F	2
Q99.	Bathroom details show Sanitary Napkin dispensers in rooms 125A, 168C, I believe these are both men’s rooms please clarify.		
R99.	Sanitary napkin dispenser not required in Men's rooms. Revised drawings are included in Addendum No. 2.	F	2
Q100.	Bathroom details in rooms 266A,272,273,347B,349B,361B,363B,364B,365B do not show any paper towel dispensers, Please clarify If they are needed.		
R100.	Paper towel dispensers are required in all toilet rooms. Revised drawings are included in Addendum No. 2.	F	2
Q101.	Room 273 (A1-503 / 5) shows a lavy in a cabinet please provide details of millwork.		
R101.	Please refer to detail 4/A1-907.	F	2
Q102.	Section 144500-5 (CH+BS specification) item B4 requires for a max. vehicle weight of 160.000 lb. According to section 14711-3 item 2.1 A the crossover capacity for the high capacity turntables is 150.000 lb. The high capacity turntables and the Underfloor Lifting Systems are in the same track. Accordingly they have to be designed for the same capacity. An Underfloor Lifting System for a 160.000 vehicle requires a new design. Please contact the customer to clarify whether we have to design for a 160.000 or a 150.000 lb vehicle.		
R102.	Capacities to remain as listed. One half of a heavier vehicle (locomotive) could possibly run over the turntables in the future, but would not be lifted in the shop.	F	2
Q103.	Do you have information about the lifting speed? Please advise.		
R103.	Listed in specification. Lifting and lowering speed of car hoists with load: 5 FPM. Raising and lowering speed of body supports: 6 FPM.	F	2
Q104.	Please provide us with a list of the vehicles we have to lift. Please provide us with technical data and drawings of jacking pad location.		

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R104.	The New Haven Line electric fleet includes the M-2, M-4, M-6, and (soon to be delivered) M-8 electric multiple unit vehicles. Vehicles to be lifted include, but are not limited to, these vehicles. Vehicles will be lifted in single, pair, or triplet configurations. ConnDOT will issue a final list of vehicles to be lifted to the awarded Contractor. Approximate location of jacking pads is shown on the Industrial Drawings (solid rectangle next to Mark #5735/5736).	F	2
Q105.	According to section 144500-4 A 5a we have to raise the vehicles up to 69 inch. Section 144500-6 15a requires for 66 inch. Please clarify.		
R105.	Lift to be 69 inches.	F	2
Q106.	The tender requires for common drive of Body Support Pairs (section 144500-8 item 17 g). We will quote for separate drive of Body Supports. Please comment.		
R106.	As long as the body supports are synchronized.	F	2
Q107.	According to the tender specification section 144500-9 item 19 b NEMA design D motors are required. Can we provide NEMA A or B Motors instead?		
R107.	NEMA B with Class "F" Insulation is acceptable.	F	2
Q108.	We can certainly quote the tanks for you, but the spec. says a UL 142 tank and ours are beyond that and carry a UL 2085 listing. We can quote the tanks, but the pumps and other items are a bit confusing. Not sure what this is all about. Where are these tanks to be located?		
R108.	There are a number of tanks in the job. If you are referring to the Facility Above Ground Waste-Water Storage Tank, a tank that exceeds UL 142 could be submitted for approval. This tank is located east of the CCO Shop.	F	2
Q109.	Drawing A1-111 & Drawing A1-304 – Please indicate interior window and glazing type at rooms 121, 122 & 123.		
R109.	The following answer revises the answer previously issued in Addendum No. 2: 1/4" tempered glass, Drawing No. A1-304-0 (Sheet No. 387-0) is revised in Addendum No. 4.	F	4
Q110.	Drawing A1-304 – Building section indicates interior window types W 13, 14, 15 & 16 are utilized. Windows W 13 & 14 are scheduled to use Firelite glass. Window types W15 & 16 are scheduled to use 1/4" tempered glass. All of the above window units overlook the Running Repair Shop, please clarify.		
R110.	The following answer revises the answer previously issued in Addendum No. 2: Windows in office section are fire rated, windows in the shop section are not. The Window Schedule on Drawing A1-608-0 (Sheet 419-0) is revised in Addendum No. 4.	F	4
Q111.	Drawing A1-112 – indicate window types W11 & 12 looking into the Running Repair Shop. These windows are scheduled to use 1/4" tempered glass. Do these windows require Firelite glazing, please clarify.		
R111.	No, Firelie glazing is not required.	F	2
Q112.	Drawing A1-510 – Interior elevations indicate window types W17, 18 & 19. Interior window schedule on Drawing A1-608 stops at window type W16. Please indicate size & glazing type for above indicated windows.		
R112.	W17 is 10'-6"w x 5'-0"h, W18 is 3'-7"w x 5'-0"h, W19 is now W13 10'-0"w x 5'-0"h . A revised window schedule is included in Addendum No. 2.	F	2

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No.	Question Submitted	Status	Add. No.
Q113.	Drawing A1-601 Door schedule – Please indicate what “L” & “T” stand for under the door glazing heading on the schedule. Please indicate how “L” & “T” relate to both rated and unrated doors.		
R113.	" L" is laminated safety glass, "T" is tempered glass.	F	2
Q114.	Please clarify Jamb Detail J1 in the door schedule it seems it is being used on doors much larger than noted Doors 1.17, 1.18, 1.19, 1.20, 1.36, 1.37, 1.46, 1.47, 1.48, 1.50, 1.51, 1.52, 1.65, 1.78, 1.79, 1.80, m.04, m.14, 2.02, 2.03, 2.04, 2.06, 2.08, 2.09, 2.19, 2.37, 2.65, 2.73, 2.82, 2.84, 2.88, 2.89, 2.90, 2.93, 2.94, 2.95, 2.103, 3.44, 3.46, 3.76, 3.90, 3.93. Please clarify.		
R114.	Jamb J-8 is used on all coil doors: 1.17, 1.18, 1.19, 1.20, 1.46, 1.47, 1.48, 1.50, 1.51, 1.52, 1.65. Jamb J-3 is used on all 1st floor exterior man doors: 1.36, 1.37, Jamb J-1 is used on all CMU walls including doors: 1.78, 1.79, 1.80, m.04, m.14, 2.02, 2.03, 2.04, 2.06, 2.08, 2.09, 2.19, 2.37, 2.65, 2.73, 2.82, 2.84, 2.88, 2.89, 2.90, 2.93, 2.94, 2.95, 2.103, 3.44, 3.46, 3.76, 3.90, 3.93. Special conditions may apply. A revised door schedule is included in Addendum No. 2.	F	2
Q115.	Please clarify Jamb detail J3 Its being used for single doors in numerous locations for a single door application and the detail shows this as an 8’ 4” opening please clarify.		
R115.	J-3 refers to a jamb detail. We assume you are referring to a frame size. A revised door schedule is included in Addendum No. 2.	F	2
Q116.	Please clarify Jamb detail J 2 in the Door Schedule, the detail shows a 6’ 4” opening and it is being used on single door applications in multiple areas of the Schedule, please clarify.		
R116.	J-2 refers to a jamb detail. We assume you are referring to a frame size. A revised door schedule is included in Addendum No. 2.	F	2
Q117.	Bid Item No. 0969015A, Construction Field Office (Type C) Lease designates the use of two (2) existing field offices to be leased by the Contractor. Where can the leasing agreement be obtained and what are the locations of the existing field offices? Please advise.		
R117.	ConnDOT is actively pursuing obtaining the existing lease and a copy will be provided to the successful bidder that is awarded the project. The specification for Item 0969015A - Construction Field Office is revised in Addendum No. 2 to be an Estimated Cost Plus Item and a cost to be carried by all bidders for this item will be provided on the bid proposal form included with Addendum No. 2. The revised specification will also only require the contractor to carry the monthly lease for 1 trailer, which is located within the railyard near the southwestern most abutment for the church street bridge. It should be noted that this trailer is for DOT inspection staff and not for use by the Contractor.	F	2
Q118.	The Bid Form has a pay item No. 203004A, Structure Excavation Earth (Complete) with a quantity of 18,000 cy. Where is this quantity used on the project?		
R118.	The Component Change Out shop, Traction Power substation and Catenary Poles.	F	2
Q119.	The Bid Form has a pay item No. 216004A, Pervious Structure Backfill with a quantity of 22,000 cy. Where is this quantity used on the project?		
R119.	The Component Change Out shop, Traction Power substation and Catenary Poles.	F	2
Q120.	The Bid Form has a pay item No. 213732A, Peastone Gravel Backfill with a quantity of 400 cy. Where is this quantity used on the project?		
R120.	12" Depth under all the Component Change Out shop pits.	F	2

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No.	Question Submitted	Status	Add. No.
Q121.	Sheet No. 465, Drawing S1-002 has a note No. 8 "Old foundations may be encountered by the Contractor. Such foundations shall be removed to a minimum of 2 feet below base of floor slab or as directed by the Engineer at no additional cost to the Department". Does the Department have any information as to what foundations might be encountered?		
R121.	See General Deliverables Drawings (Volume 5) for location of former facilities on the Rail Yard site.	F	2
Q122.	Sheet No. 465, Drawing S1-002 has a note No. 9 referring to "shoring and bracing for lateral support of excavation". The Bid Form has a pay item No. 714050A, Temporary Earth Retaining System. If SOE is required within the footprint of the Change Out Facility will it be paid under this item?		
R122.	Yes.	F	2
Q123.	Are there any specifications for window types W1-W10 on A1-606?		
R123.	See Section 08 81 00 - Glass and Glazing under Section 2.2.	F	2
Q124.	Are There Specifications for the curtain wall?		
R124.	There is no specification for curtain walls. Window wall information is provided in specification 074263 - Fabricated Wall Panel System. CSI Specification 084413 – Curtain Wall was incorrectly referenced and is not part of the Contract. All references to Specification 084413 - Curtain Walls have been removed in Addendum No. 2.	F	2
Q125.	Are there Specs for the sunscreens shown on A1.212?		
R125.	The following answer revises the answer previously issued in Addendum No. 2: See Detail 7 on Drawing No. A1-707 (Sheet No. 435). The specifications are located in Section 07 42 63 Fabricated Wall Panel System, paragraph 2.8 Integrated Sunshades.	F	4
Q126.	A1.201 Note 8 at storefront between G/L 13 & 15 calls for stainless steel frames. Drawing A1.211 Note 2 calls for aluminum frames. Please clarify.		
R126.	The following answer revises the answer previously issued in Addendum No. 2: Storefront system is stainless steel. Note 2 on Drawing A1-211-0 (Sheet 382-0) is revised in Addendum No. 4.	F	4
Q127.	Schiavone Construction Co., LLC, requests a nine (9) week bid postponement for Contract #310-106 presently due on August 19, 2009, due to Addendums 2 & 3, which we still have not received. Schiavone Construction requests this extension to provide the Department of Transportation with a more competitive, complete, and responsive package. We are committed to submitting quality proposals to MTA.		
R127.	The bid opening date will not be postponed, it will remain as August 19, 2009. The Department has committed to this date at the highest level within DOT and it can not be moved. Addendum No. 2 will be the last substantial addendum that will include plan changes. Any Addendums beyond this will only include formal responses to bidder questions, which are posted on the internet in advance, and possibly minor specification changes. Advanced "informational only" copies of all addendums will be posted on the internet at: (http://www.bakerprojects.com/newhavenrailyard//CCO_Bidders_Page.htm). Starting with Addendum No. 2, E-mail notifications will be sent to each plan holder as soon as Addendums are available for download. Please forward current E-mail addresses to the Transportation Manager of Contracts at 860-594-3378 if you feel they may not have the correct E-mail address. Official copies of each Addendum will still follow in the US mail in DVD format.	F	2
Q128.	I have the DVD, where is my Bid Proposal form?		

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No.	Question Submitted	Status	Add. No.
R128.	Each General Contractor, which intends to bid directly to the Department (not as subcontractor), must be prequalified prior to the bid opening. As part of the prequalification process, the Contractor must request the Bid Proposal Form by completing a Part-C Affidavit (http://www.ct.gov/dot/cwp/view.asp?a=2288&q=259262) The prequalification application, commonly referred to as the CON-16 can be found on the Department Web Site (http://www.ct.gov/dot/cwp/view.asp?a=2288&q=259250) For further information regarding bidding & prequalification matters, please refer to the Department Bidding & Award Manual (http://www.ct.gov/dot/LIB/dot/Documents/dcontracts/Construction.pdf) and for more information/questions, you may call (860) 594-3129.	F	2
Q129.	Specification 10 58 00 - General Storage Equipment - Equipment Mark 1520: 2.1, B.2. Beams c. Length: 192 inches - provide manufacturer's catalog number for the specified 192" beams. Maximum standard lengths do not exceed 144".		
R129.	This is a special order item (length required exceeds standard 144" length) that does not have a catalog number.	F	2
Q130.	Specification 10 58 00 - General Storage Equipment - Equipment Mark 1520: 2.1, D. Accessories, 1. Decking complete shelf coverage of 42 inch deep wire decking with supports located directly under HVAC storage cradle's for legs to accommodate loads of 1000 pounds each.Center of cradle legs spaced 176 and 80 inches apart; confirm final cradle design with MNR. Clarify whether supplemental supports are being requested or supports within wire decking are to be coordinated with four support points (4 each decking elevation per pair of back to back racks) of a cradle to be provided by MNR. Please clarify using manufacturer's model numbers otherwise illustrate intent.		
R130.	The supports within wire decking are to be procured by the contractor and coordinated with MNR's HVAC storage cradle; HVAC unit and cradle currently under design. Supports are actually under the wire decking and mounted from beam to beam. Actual mounting location of these supports must be confirmed with MNR in the field.	F	2
Q131.	Specification 10 58 00 - General Storage Equipment - Impact Supports: Confirm intent of impact support locations to be at end frames of single or multiple bay rack assemblies, not at every frame.		
R131.	Provide impact supports at every upright.	F	2
Q132.	Specification 10 58 00 - General Storage Equipment - Equipment Mark 1548: 2.5, C., Accessories: Clarify decking width: Written width is 48 inches wide whereas manufacturer's listed model (WD5842H) is for 58 inch wide decking.		
R132.	The following answer revises the answer previously issued in Addendum No. 2: 58" width is required. Specification Section 10 58 00 - General Storage Equipment is revised in Addendum No. 4.	F	4
Q133.	Specification 10 58 00 - General Storage Equipment - Confirm Equipment Mark 1540, in Rm 152, is to be founded on the fiberglass grating shown in plan on A1-112 - show attachment.		
R133.	Racks to be mounted on fiberglass grating, attachment to be designed by rack supplier.	F	2
Q134.	Specification 10 56 29 - Utility Support Apparatus - 2.1 E Manufacturer's Reference" lists Manufacturer as Fleet Fueling Systems, Inc. There are no other named manufacturers. We have been unable to contact the listed manufacturer at the listed phone number (440-974-0501), nor have we been able to find alternate contact information. Please verify the contact information or provide alternate manufacturer information.		
R134.	Change of address. Fleet Fueling Systems, 10503 Ravenwood Lane, Concord, OH 44077, Phone: 440-357-8330, Fax: 440-357-8013.	F	2

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No.	Question Submitted	Status	Add. No.
Q135.	Specification 11 14 00 - Fluid Distribution Systems: On-Demand Electric Transfer Pumps are identified as Equipment Marks 8145A (SO) and 8145B (GO). The industrial drawings do not show equipment marks 8145A and 8145B however I1-116 indicates 8590A at the Soap Tank and 8590B at the Gear Oil Tank. Equipment marks 8590A and 8590B are not referenced in the specifications. Please clarify the referenced equipment marks.		
R135.	The following answer revises the answer previously issued in Addendum No. 2: Transfer pumps are listed as 8595A and 8595B. Dispensers 8145A and 8145B are shown on the Industrial drawings west of Truck Wash #148. Pumps 8590A and 8590B on the Industrial drawings should be relabeled 8595A and 8595B respectively. Industrial Drawing I1-116-0 (Sheet 929-0) is revised in Addendum No. 4.	F	4
Q136.	Specification 11 14 00 - Fluid Distribution Systems: This spec indicates a working pressure for dispensing bars (equipment marks 8145A and 8145B) to be 900 psi however the indicated meter kit reduces the operating pressure to 500 psi. Please confirm that the dispensing bar with meter kit is to have a working pressure of 500 psi.		
R136.	The following answer revises the answer previously issued in Addendum No. 2: 500 PSI working pressure is acceptable. Specification Section 11 14 00 - Fluid Distribution Systems is revised in Addendum No. 4.	F	4
Q137.	Specification 11 14 00 - Fluid Distribution Systems: Exterior mounted remote fill boxes, with all necessary pipe and fittings, are specified for 4,000 gallon tanks. Provide remote fill box locations and mounting heights as well as all necessary pipe sizes to connect fill boxes to tanks.		
R137.	The following answer revises the answer previously issued in Addendum No. 2: Locations shown on Industrial Drawing I1-116-0 (Sheet 929-0). Mounting height at 3'-0" to bottom of box. Piping sizes per manufacturer. Specification Section 11 14 00 - Fluid Distribution Systems is revised in Addendum No. 4.	F	4
Q138.	In the specification for Pay Item #0507171A and #0507172A, Hydrodynamic Separator for Sites 1 & 2 respectively, the Method of Measurement states that "Structure Excavation – Earth" and "Structure Excavation – Rock" shall be measured in accordance with article 02.03.04, and "Compacted Granular Fill" will be measured in accordance with Article 02.14.04. The Basis of Payment also notes structure excavation, backfill, disposal of surplus material, and compacted granular fill to be included in the lump sum items. Please confirm if the structure excavation, backfill, and granular fill will be measured for payment and paid in other bid items, or are they included in the Lump Sum items 0507171A and 0507172A. Additionally, will the cost for handling and disposal of contaminated excavated material be paid for under the items "Controlled Material Handling" and "Disposal of Controlled Materials"? Will backfilling be paid under the item "Management of Reusable Controlled Material" or "Compacted Granular Fill"? Will dewatering excavations be paid under the item "Dewatering"? Please advise.		
R138.	The work for "Structure Excavation - Earth", "Structure Excavation - Rock" and "Compacted Granular Fill" shall be in accordance with Articles 02.03.04 and 02.14.04 respectively however these items shall not be measured separately and the cost shall be included in the Lump Sum prices of the Hydrodynamic Separators. Backfill shall be "Compacted Granular Fill." Controlled Material Handling, Disposal of Controlled Materials, Management of Reusable Controlled Material and Dewatering are not included in the Lump Sum prices and shall be measured and paid for separately.	F	2
Q139.	Is there a geotechnical report available for this project? Please advise.		
R139.	Yes, there is a geotechnical report for this project consisting of 3 documents: Volume 1, Volume 2, and Addendum No 1. dated 10/29/08. These 3 documents are available at www.newhavenrailyard.org so they can be downloaded for informational purposes only. These documents will not be included in an official Addendum from the Department.	F	2

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No.	Question Submitted	Status	Add. No.
Q140.	Would the Department consider eliminating the bitumen coating on the 16" precast piles by substituting a larger pile or other pile redesign?		
R140.	No, the Department will not consider eliminating the bitumen coating on the 16" precast piles by substituting a larger pile or other pile redesign.	F	2
Q141.	We have received your response to our request for a bid date extension through the Questions & Answers (Q &A) listed on the New Haven Rail Yard website. If the Connecticut DOT can not revise the bid opening date, our major subs are informing us that they cannot offer us a quote for this project. Therefore, this also means that Schiavone Construction Co. LLC, may also not be able to deliver a bid package to you on August 19, 2009. With this in mind, will the Connecticut DOT reconsider the negative response for an extension to the original bid date?		
R141.	No. As stated in the the response to Question 127, the Bid Opening Date will not be moved.	F	2
Q142.	The structural design for pit types A and A&B illustrate dimensioned details that are based on the specified (14 45 00,2.1,G.,1.,a.) prime manufacturer for vehicle hoists. Vehicle Hoist specification section 14 45 00, 2.1, A.,4. states: " It is the supplier responsibility to modify the details to meet the requirements of the selected equipment and obtain approval from the Engineer. Equipment supplier shall submit working drawings and structural calculations, prepared, stamped, and countersigned by a Professional Engineer Registered in the State of installation." In the event that the equipment manufacturer's equipment designs fit in the pits, as detailed on the Contract drawings, what structural calculations are required other than those specific to the equipment itself?		
R142.	Even in the event that the equipment fits within the pits, structural calculations are required to verify that the plates, inserts and hardware supporting the equipment are adequately sized and located to support the equipment and design loads.	F	2
Q143.	Specification Section 14 45 00, 2.1, D.,15, c. indicates "each body support to have at least one head that is manually extended, with a handle from below, to contact the vehicle jack pad". The same section also indicates that "A traversing body support system with one pick up point is also acceptable". We interpret the current design documents to require the specified prime manufacturer's standard shallow pit hoists, and body supports, to be installed in pits that the design team has coordinated with the specific details on the structural drawings. Without ranges, in distance between jacking pads, the breadth of scope related to the extendable head can not be determined. Further we do not understand how the referenced traversing body coordinates with the basis of design pit configuration. It is noted that too wide a variation may require installation of additional body supports or create a conflict in that the designed foundations may not meet the prime manufacturer's requirements. Please provide a layout, illustrating the variations in jacking pad positions, relative to hoist locations, for all equipment covered under this specification		
R143.	See response to Question 104. The distance from face of coupler to center of jacking pad on all equipment is 15' - 2 1/2".	F	2
Q144.	Equipment Mark 2700, Vertical Metal/Wood Band Saw, specified under section 11 24 00, 2.11 is no longer manufactured by Delta Machinery. The other listed manufacturers DoAll and Powermatic do not domestically manufacture, assemble, or provide value added to the end product. Please provide alternate approved domestic manufacturers. Alternatively provide guidance on application and/or waiving Buy America provisions for this equipment and other specified manufacturers that do not manufacturer domestic products.		
R144.	Delete requirements listed in Section 11 24 00, 2.11, D.2 and D.3. Change model number listed in 11 24 00, 2.11, G.1.b to Model: 28-475X with Standard Blade and Accessories. A revised specification is included in Addendum No. 1.	F	2

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No.	Question Submitted	Status	Add. No.
Q145.	The responses to Questions 15, 64 & 94 imply that any work in-place within a 5 foot perimeter of the maintenance facility shall be paid for within the Major Lump Sum Item. Please clarify whether this applies to the piles and/ or the handling and disposal of contaminated/ hazardous material.		
R145.	Please see revised response to Question 15, which should clarify the pay limits. This answer was included in Addendum No. 1, but will be revised in Addendum No. 2.	F	2
Q146.	The general specification section "Contractor Requirements for Work Affecting the Railroad in Section 1.05 CONTROL OF THE WORK refers to additional sheeting requirements while working adjacent to the track, as well as requirements for erection, demolition and rigging. However, neither the plans nor the specifications call out a standard Metro North Railroad detail which requires the installation of a casing for the utility piping at track crossings. Please verify that casings are not required. If they are required, please designate where.		
R146.	Casings are not required. See Utility Miscellaneous Details for utility protection measures.	F	2
Q147.	Please provide dimensional drawings for the railcars that will be used on the car hoists showing the location of the jacking pads and the trucks along with the overall length and width dimensions.		
R147.	See responses to Q 104 and Q 143. All rail cars are 85' long and 10' - 6" wide.	F	2
Q148.	Specification 08 45 00 - Translucent Panel Wall Systems & Specification 08 45 13 - Translucent Panel Skylight System: Only one manufacturer listed (Kalwall Corp) or approved equal per Section 2.1A also stating that polycarbonates are not allowed (why?) Polycarbonates are recognized worldwide as viable translucent wall and skylight systems on both public and private projects of this size and complexity. This CT/DOT specification comes directly from the listed manufacturers Website whose sole purpose of this given statement is to eliminate the use of an equal competitors product !		
R148.	There are specific FM Global Requirements for this Project for both Wall Panels and Skylight Systems. Kalwall is an FM approved product in both cases. Polycarbonate systems are not FM Global approved and therefore cannot be considered for this project. Another manufacturer would be Structures Unlimited.	F	2
Q149.	Specification 08 45 00 - Translucent Panel Wall Systems & Specification 08 45 13 - Translucent Panel Skylight System: Section 2.3C states that panels shall withstand 1200 deg F fire for one hour minimum without collapse or exterior flaming but does not list an ASTM or INDEPENDENT laboratory test that justified this claim. Many corporate entities including General Electric Corp dispute this claim on the Kalwall FRP plastic panel stating implicitly that these panels ignite at approximately 600 deg F and create significant safety hazards in a fire situation.		
R149.	The cited requirement in the specification is for a composite panel, not just one sheet.	F	2
Q150.	Specification 08 45 00 - Translucent Panel Wall Systems & Specification 08 45 13 - Translucent Panel Skylight System: VLT or visible light transmittance of a value of only 6% (specified in section 2.3A #2) is a very low number and offer s natural light that averages well below the standard daylight numbers offered from numerous products seen in public buildings across America. What analysis or daylighting study was performed to verify that these values will be sufficient within the given building cavities to offer adequate window light on a day in and day out scenario?		
R150.	To get the U factor of .10 or R10 the 6% light transmittance is correct. There is angel hair light transmitting insulation in the cavity of the panel.	F	2

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No.	Question Submitted	Status	Add. No.
Q151.	Specification 08 45 13 calls out in the submittal Section (1.3) and Section 2.3E the requirement of (I) a Class A Roof System per UL790 even though the specified product (Kalwall) lists a component panel in section 2.2a#4 of 0.070" thick exterior and 0.045" thick interior. On their own Website, this company states that compliance with Class A roof systems requires panel sheet thicknesses of 0.070" on both surfaces. Is the entire project roof area to be a Class A Roof System? We have found that approx 5% of the projects we (CPI) bid have this over-all fire/safety requirement throughout		
R151.	Only on exterior canopy structures do they require exterior and interior sheet thickness of .070". All of their other systems have exterior sheet thickness of .070" and interior sheet thickness of .045".	F	2
Q152.	In Section 2.5 Superstructure of Specification 08 45 13, the support systems call out extruded aluminum box beams with NO use of ferrous metals. Two sentences later there is an alternate listed that calls out the use of panels that are totally supported and secured to the most common ferrous metal used in building structures...steel. If the steel supported systems are under consideration as a cost savings measure, why not just state same and let bidding manufacturers determine which system is more viable from their own perspective?		
R152.	Both support systems, extruded aluminum and steel, are acceptable.	F	2
Q153.	Section 2.4E & 2.5B of Specification 08 45 13 calls out a shop applied "intumescent" paint system in grayish-white color as the finish for all exposed (interior) aluminum in the skylight areas. Please further define why this particular finish is being selected as it is often found on exposed steel (alternate bid for skylights) and carriers a hourly fire rating, which all plastic panel skylight systems including Kalwall do NOT? Can this paint type be adhered to exposed aluminum and what national finishers would supply this coating either in spray on or brush on format?		
R153.	This is an FM Global Requirement. Yes this intumescent paint system can be applied to aluminum and most major paint companies carry both intumescent paint systems and fireproofing systems.	F	2
Q154.	We are moving forward with the preparation of this bid, and it is apparent that additional time will be needed to fully address the nearly 1,000 plan sheets and 4 volumes of specifications and address questions from various Subcontractors. We ask for a postponement of the date for receipt of bids to September 23, 2009 (allows for 2 full weeks after the Labor Day Holiday).		
R154.	The bid opening date will not be moved. Please see the detailed response to Question 127.	F	2
Q155.	The Grading Plans, Sheets 064 and 065, do not contain existing contours or spot elevations. The Grading Plan Sheets No. 066 and 067 contain limited existing contour information with no contour labels. Also, the proposed contours are only shown along the roadway/parking areas and are not shown as tying into the existing grades along the property. Is there an existing topographic survey that contains existing contours/spot grades and existing surface cover/type for the project site? Is a grading plan available showing proposed grades along the unpaved portions of the project?		
R155.	See Existing Conditions Subsurface Plans in Volume 5 for all available spot elevations and contours. See cross sections in CX Drawings for grades outside of paved portions of the project.	F	2
Q156.	Is there a supplemental sheet for the bid form for Item 990002A – Disposal of Buildings?		
R156.	Yes, a revised bid proposal form including this item is included in Addendum No. 2.	F	2
Q157.	Item # 0202315A Disposal of Controlled Materials, why is Waste Management of Chicopee not included on the list of disposal facilities.		

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No.	Question Submitted	Status	Add. No.
R157.	At the time the Contract was assembled Chicopee was accepting little to no material due to capacity issues. This continues to be the case and given the large scale of the CCO project, Chicopee is not considered an appropriate disposal option.	F	2
Q158.	Section 41 34 23 Paint Booths– Page 4 Paragraph B. 4. specifies the supply of “Exhaust system: Provide a fully filtered exhaust system complete with exhaust fan and ODP motor assembly, exhaust stack, ductwork, weather caps, automatic dampers, flashing and hardware necessary to complete and operable installation.” This description does not include any special “Offset stack detail” as shown on drawing M1-704. Do you require the booth manufacturer to supply this special offset stack or is the manufacturer’s standard upblast discharge damper acceptable.		
R158.	Mechanical Contractor is to provide and install exhaust stacks, ductwork, caps, and dampers for all equipment listed in Section 41 34 23. Booth Supplier to provide all exhaust fans listed in Section 41 34 23 for Mechanical Contractor installation. The offset stack will be provided and installed as indicated on the Mechanical Drawings by the Mechanical Contractor. Booth Supplier is responsible for all final booth connections in Section 41 34 23 for a complete and operable installation. Please note that the Prime Contractor is ultimately responsible for all work depicted in the Contract Documents, and in managing the division of work between subcontractors.	F	2
Q159.	Mark 3201B is listed two times on sheet 935 and 4 times on sheet 938. That mark is not listed on the equipment schedule, please clarify.		
R159.	The following answer will be included in Addendum No. 4 and revises the answer previously issued in Addendum No. 2: 3201B is the same as 3201, less exhaust fan. Central exhaust fan is provided for the seven 3201B's located on the 2nd Floor; Reference Mechanical drawing M1-221, Sheet 546. Drawing I1-001-0 (Sheet 920-0) is revised in Addendum No. 4 to include the mark in the equipment schedule and Specification Section 11 53 13 - Fume Extraction Systems is also revised in Addendum No. 4.	F	4
Q160.	There is a piece of equipment on sheet 935 that is located just below column line H.2 and on column line 7 that is not marked. Please clarify if this requires a mark number		
R160.	This is a Rooftop HVAC Unit in Carriage and is not included in the Contract.	F	2
Q161.	There is a similar piece of equipment at column lines G & 6 that also is not marked. Please clarify.		
R161.	This is a Rooftop HVAC Unit in Carriage and is not included in the Contract.	F	2
Q162.	On sheet 936 between column lines 9/9.9 and both above and below column line H.7 there are 4 pieces of equipment not marked. Two are similar to the units mentioned above and two appear to be similar to mark 7610 on that sheet. Please clarify required mark numbers.		
R162.	These are Rooftop HVAC Units in Carriages and Pantographs, none of these are included in the Contract.	F	2
Q163.	Contract Bid Item #0204503A - Dewatering, requires that the contractor install pumps, pumping wells, wellpoints and/or wellpoint systems to maintain a groundwater level of at least six inches below the bottom of the excavation. The Method of Measurement section of this specification states "Conveying dewatering fluid from the dewatering point to the groundwater treatment facility is not included in this item, but is measured and paid under the (fixed price) Item Handling Contaminated Groundwater" (Item #020410A). Since the pumps that will be used to lower the groundwater will also provide the means for conveying the groundwater to the treatment facility, the following clarification is required. Under what item will the installation, operation, and manning of the pumps, pumping wells, and/or wellpoints that will be use to lower the groundwater and convey it to the discharge point be paid?		

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No.	Question Submitted	Status	Add. No.
R163.	The following answer revises the answer previously issued in Addendum No. 2: The installation, operation, and manning of the pumps, pumping wells, and/or wellpoints that will be used to lower the groundwater and convey it to the discharge point shall be paid under Item 0204503A - Dewatering. The special provisions for Item 204210A - Handling Contaminated Groundwater, and Item 204503A - Dewatering were revised in Addendum No. 3. The payment limit between these two items has been revised to the point of connection to the dewatering containment/ treatment system. <u>just upstream of the system.</u>	F	4
Q164.	In Addenda #1 under New Special Provisions, Item No. 0702080A – Coal Tar Epoxy Coating of Piles has been added. However, this item number was not added to the New Contract Items Index. Please verify whether this contract item has been added to the specifications?		
R164.	Yes, the specification for Item No. 0702080A – Coal Tar Epoxy Coating of Piles is added in Addendum No. 1. This Item was included on the original bid proposal form, however, the specification was inadvertently left out of the original bid package. Therefore, Addendum No. 1 adds the spec only, since the Contract Item existed in the original Contract.	F	2
Q165.	In Addenda #1, Item No. 0406444 – Super Pave 1.0” has been added to the New Contract Items Index, but was not included for insertion in to the original specifications. Please provide, or advise.		
R165.	Item 0406444 is not an "A" Item special provision, therefore the requirements are covered in the ConnDOT Standard Specifications Form 816. See Notice to Contractor - Standard Specifications and Notice to Contractor - General Requirements and Covenants of the Contract for additional information.	F	2
Q166.	3) In Addenda #1, the following item numbers are listed as Revised Contract Items, but are not located in the original specifications for revision. Please clarify and include the revised information, if necessary: Item 0203102 – Structure Excavation – Rock (complete), Item 1210105 – Epoxy Resin Pavement Markings, Symbols and Legends		
R166.	Items 0203102 and 1210105 are not "A" Item special provisions and are therefore covered in the 816. Please refer to the response to Question 165 for additional information regarding the 816. Only the quantities for these items changed in Addendum No. 1, which is why they were listed as revised Contract Items.	F	2
Q167.	In Addenda #1, Item No. 0406445 – Superpave 1.5” is listed as a Deleted Contract Item; however, it was not listed in the original specifications. Please clarify		
R167.	Item 0406445 is not an "A" Item specification and is therefore covered in the 816. Please refer to the response to Question 165 for additional information regarding the 816.	F	2
Q168.	Notice to Contractor - Threshold Buildings & Special Inspections for Soils and Foundations included in Addendum No. 1: Item 2, first scoped item, refers to Section #0216003A while neither the Bid Set nor Addendum No. 1 contain this Section. However, the Bid Set has a Section #0216004A which appears to correspond to the Structural Backfill subject to the special inspection requirement.		
R168.	The following answer will be included in Addendum No. 4 and revises the answer previously issued in Addendum No. 2: Section #0216003A was the incorrect reference, Section #0216004A - Pervious Structure Backfill should be referenced and is subject to special inspection requirements. A revised Notice to Contractor - Threshold Buildings & Special Inspections for Soils and Foundations is included in Addendum No. 4.	F	4

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No.	Question Submitted	Status	Add. No.
Q169.	Notice to Contractor - Threshold Buildings & Special Inspections for Soils and Foundations included in Addendum No. 1: Item 2, fourth scoped item, refers to section #070208XA while neither the Bid Set nor Addendum No. 1 contain this Section. Addendum No. 1 adds a Section #0702080A which appears to correspond to the intent of pile coating; however, this new Section addresses Coal Tar Epoxy Coating while the Special Inspection Requirement refers to Bitumen Coating, which is addressed under the Bid Set Item #0702079A.		
R169.	We assume the question is in reference to Item 3. Deep Foundations, and not Item 2 as noted. If so, correct section is #0702079A - Bitumen Coating For Concrete Piles, and this reference has been revised in Addendum No. 2.	F	2
Q170.	Are there any restrictions on pouring concrete while driving piles or sheeting?		
R170.	Contractor shall drive piles in a manner not to impact fresh concrete in accordance with the ACI Manual of Standard Practice.	F	4
Q171.	The Contract Specifications and Drawing notes call for coordination, raceway installation, as well as cable and wiring for various shop equipment and building systems (specified in sections other than division 16) field work. The Contract drawings display no typical one diagrams or rough-in designation for much of this work. We seek typical one-line diagrams for all installations of major shop equipment, employed as basis of design, as well as building systems (card access, OH Coiling doors, high speed roll-up doors, equipment interlocks...) such that defined scope can be included in the contract bid.		
R171.	Branch circuit wiring within a building is not typically indicated as one-line diagrams or rough-in designations. Also, the card access, electrical for all overhead doors, and other building provided electrical connections are indicated on the Contract Plan Dwgs (E1-XXX, C1-XXX, and W1-XXX series dwgs) and either Riser Diagrams or Schedules. Likewise, the Industrial Plan dwgs and Industrial specifications indicate the locations of required shop equipment. Supporting utility connections are indicated within the appropriate plans noted above.	F	4
Q172.	<p>The basis of specification 07 42 63 seems to be a modification of the Centria master specification for Wall Panels with integrated Kalwall, Windows, and Louvers. This appears to be a performance specification, relative to wall system support elements, rather than a prescriptive specification. The Architectural drawings show HSS sections noted with "see structural drawings" (the structural drawings show no framing members for the wall systems) while Specification Section 07 42 63 indicates "AISC or Aluminum Association design procedures" as well as "Cold formed steel girts, subgirts, or studs" under 1.5 Performance Requirements.</p> <p>We seek clarification as to whether it is the contractor's option to select the best suited material for the most efficient structural performance and best means of installation or whether the structural drawings are to be revised to show structural steel framing.</p> <p>It should be noted that the specified tolerances (07 42 63, 1.5, B, 1.) are tighter than those specified by AISC, PCI, and ACI (Centria master specification alerts the specifier to this matter).</p> <p>Furthermore, HSS sections have mill and fabrication tolerances twice that of rolled sections (reference AISC Hollow Structural Sections Connections Manual). Related specification sections need to include provisions to tighten the specified tolerances when interfacing/supporting wall system work such that bidders can allow for this additional cost.</p>		
R172.	Please refer to Spec Section 07 42 63 Paragraph 2.5 which covers Secondary Support Framing System. Paragraph 2.5 A. states "The design, fabrication and installation of the secondary support framing system including bracing as required for the support of the wall systems specified herein shall be the responsibility of the panel manufacturer and certified wall system installer." The intent is to have the panel manufacturer engineer, fabricate, supply and install all framing to which panels, windows, louvers, and translucent panels are affixed.	F	4

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No.	Question Submitted	Status	Add. No.
Q173.	477, 491, & 927 - Spec. 41 22 13: 2.4 indicates equipment mark 5070A as one ½ Ton crane, Drawing I1-114 (sheet 927) indicates 5070A as (1/4 T) and graphically represents two pieces of equipment, the chart on S1-028 indicates the crane in Rm114 as 1- 1/2T. Please clarify the required capacity and quantity for equipment mark 5070A indicated in Rm 114.		
R173.	Provide two 1/2 ton cranes running on the same rail as per specification. Dwg No. I1-114 (Sheet No. 927) is revised in Addendum No. 4.	F	4
Q174.	477, 491, & 927 - Spec. 41 22 13: Dwg. I1-114 provides dimensions for crane supports from the structure above. It is presumed that the spacing of framing above will be such that connections can be along the centerline of second floor framing and that no additional structural framing is required at bridge crane supports. Please confirm.		
R174.	The 1/2 ton crane may be supported from the W27's of the second floor framing in room 114.	F	4
Q175.	477, 491, & 927 - Spec. 41 22 13: Confirm that stiffening of structural steel framing is not required for support of the bridge crane.		
R175.	Stiffeners on the W27's supporting the 1/2 ton crane for room 114 are not required. However, contractor shall submit crane rail connection information coordinated with structural framing.	F	4
Q176.	477, 491, & 927 - Spec. 41 22 13: In the event two cranes are required confirm overall system capacity and whether sensing devices are required to maintain separation of cranes.		
R176.	Crane rails to support two 1/2 ton cranes butted against each other. No proximity sensing devices are required; only crane bumpers are required for the installation of equipment items 5070A and 5070B.	F	4
Q177.	Plan Sheet No. 477/478, 491, & 936/939 - Spec.. 41 22 13: Dwg. S1-028 (Sheet 491) contains a crane plan for the equipment mark 5045. This plan indicates runway support steel (W18 X 50 & C12 X 20.7) framing that is not continuous across the building joint between column lines 9.9 and 10. Advise on whether the (2) cranes are separate systems otherwise provide direction on how runways and rails are to be handled at building expansion joints.		
R177.	Crane manufactures have indicated that expansion joints in runway rail systems are not required since the connection of the rails allow minor longitudinal movement between rail and runway beam for thermal expansion and contraction. The two 2 ton cranes are not separate systems. Both cranes to traverse the running rails between Column Lines 6 and 12.	F	4
Q178.	Plan Sheet No. 477/478, 491, & 936/939 - Spec. 41 22 13: In the event the two cranes are permitted to run the entire runway length, advise on whether sensing devices are required to maintain separation of cranes.		
R178.	Proximity sensing systems and bumpers are required for equipment items 5066 and 5045; since they utilized the same running rail and are each required to run the complete length of the running rail. Equipment item 5064 does not share its running rail with another crane, so only bumpers are required. Since equipment items 5070A and 5070B are manual travel type cranes, only bumpers (and not a proximity sensing system) is required.	F	4
Q179.	Special Specs Section- pp 820 – refers to item nos. 1501226A- 8” Steel casing pipe and 1501201A- 12” Steel casing pipe. No such items appear in the Bid Proposal form. Please clarify.		
R179.	Special Provision #1501226A and #1501201A have been deleted from the contract in Addendum No. 1.	F	4
Q180.	As part of our pre-bid schedule we are concerned about utility feeds to the EMU shop. Are dates available when this work is to be completed?		

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R180.	The gas and electrical feds to the EMU Shop require modifications to coordinate with other work tasks on the site. See NTC - UTILITY SERVICE CONNECTIONS[AND RELOCATIONS] for gas company information. The installation of the sectionalizing switch at Electric Manhole 9A must precede the cutover of MNR electrical feeders. See Staging Drawings GC-010-0 (Sheet 013-0) and GC-025-0 (Sheet 019-0) for sequence.	F	4
Q181.	We are concerned about rerouting the gas line as part of the early work required for the project. Is there an existing restriction governing winter gas shutdowns?		
R181.	No, there is no restriction governing winter gas shutdowns. See NTC - UTILITY SERVICE CONNECTIONS[AND RELOCATIONS].	F	4
Q182.	Will flagging of tracks be provided by the owner for all work in the vicinity of tracks?		
R182.	Refer to NOTICE TO CONTRACTOR – WORK ON RAILROAD PROPERTY and NOTICE TO CONTRACTOR –METRO-NORTH RAILROAD FORCE ACCOUNT WORK AND COORDINATION. The Contractor shall provide the Engineer with written notification a minimum of 14 days in advance of any work that requires a track or catenary outage or affects existing roadway circulation or parking areas within the New Haven Rail Yard. Engineer will then coordinate with Metro-North Railroad.	F	4
Q183.	Kindly indicate restrictions on work hours for utility work adjacent to active yard tracks.		
R183.	See NTC - WORK ON RAILROAD PROPERTY. Outage for Track 41 will be allowed between 9 AM to 4 PM and weekends (10 PM Friday to 12 AM Monday); and for Track 104 a 2 week prior notice will be required.	F	4
Q184.	Reference Trenching for Utilities. Will all utility trench excavations adjacent to active yard tracks require PE stamp certifications for support of excavation for Cooper-80 loading?		
R184.	Anywhere that the Contractor uses Item # 0714050A Temporary Earth Retaining System requires PE stamp certification.	F	4
Q185.	Spec Page 819- under water concrete and grout pad shall be paid under item “ under water concrete” and rebar in under water concrete shall be paid under” deformed steel bars” item. No such items exist. Please clarify.		
R185.	The special provision for Item No. 1404105A - Pumping Station (Sanitary Sewer) is revised in Addendum No. 3 as follows: Payment for underwater concrete, grout pad, sheeting at the wet well, concrete for anti-floatation, rebar in the underwater concrete pad, and compacted granular fill will now be at the contract lump sum price for Item No. 1404105A - Pumping Station (Sanitary Sewer). Structure excavation earth will now be paid under Item No. 0203004A - Structure Excavation - Earth (Complete).	F	4
Q186.	Spec Page 819- states that sheeting at wet well shall be paid under “sheet piling left in place”. No such item exists. Please clarify.		
R186.	The special provision for Item No. 1404105A - Pumping Station (Sanitary Sewer) is revised in Addendum No. 3 as follows: Payment for underwater concrete, grout pad, sheeting at the wet well, concrete for anti-floatation, rebar in the underwater concrete pad, and compacted granular fill will now be at the contract lump sum price for Item No. 1404105A - Pumping Station (Sanitary Sewer). Structure excavation earth will now be paid under Item No. 0203004A - Structure Excavation - Earth (Complete).	F	4
Q187.	Pumping Station Bid Item 1404105A – Special Spec Section pp.819 states that anti flotation concrete will be paid under Class “A” concrete. No such item exists. Please clarify.		

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No.	Question Submitted	Status	Add. No.
R187.	The special provision for Item No. 1404105A - Pumping Station (Sanitary Sewer) is revised in Addendum No. 3 as follows: Payment for underwater concrete, grout pad, sheeting at the wet well, concrete for anti-floatation, rebar in the underwater concrete pad, and compacted granular fill will now be at the contract lump sum price for Item No. 1404105A - Pumping Station (Sanitary Sewer). Structure excavation earth will now be paid under Item No. 0203004A - Structure Excavation - Earth (Complete).	F	4
Q188.	For planning purposes, kindly provide a location for the additional 2 acre laydown area mentioned in the walkthrough.		
R188.	This area was depicted on Drawing CM-012-2 (Sheet 081-2) issued with Addendum No. 2.	F	4
Q189.	Plans 491, 927, 928, 936 / Specification 41 22 13 pg #1: The descriptions of the cranes required are not consistent between the specs and plans. Please restate the equipment schedule to include the quantity of each and the room number where the installed equipment will reside. There is no confusion with the 15 Ton and 35 Ton or the Compressor, and Jib cranes. It is the small capacity cranes that are inconsistent.		
R189.	Room 114 has two 1/2 ton suspended bridge cranes that share the same rail system. Room 120 has one 1/2 ton suspended bridge crane.	F	4
Q190.	Specification 0702079A: Is it permissible to have concrete piles shop coated? In addition are alternate friction reducing coating products, such as silicone epoxies like Slickcoat, acceptable?		
R190.	The piles may be shop coated, however, piles and coating must be protected as noted in the spec, for example, from sun. All coating products submitted for approval must meet the ASTM and other requirements noted in the specifications.	F	4
Q191.	The signage on drawing no. A1-805 doesn't seem to coincide with the signage plans (drawings no. A1-801 thru A1-804). We are having trouble matching the sign types as labeled on A1-805 with the descriptions on the plans. Please Clarify.		
R191.	On A1-801 thru A1-804, the Signage Legend refers to the details on A1-805 as follows: #1=7/A1-805 #2=8/A1-805 #3=directory shall be aluminum framed with sliding and lockable tempered glass and allow for changeable letters & numbers. Basis-of-design = Peter Pepper model MM-CLD-GI-4824 in natural anodized aluminum. #4=see spec section 104413 for signage (in addition to floor striping detail 4/A1-805) #5=see spec section 104413 for signage (in addition to floor striping detail 4/A1-805) #6=3/A1-805 #7=4/A1-805 #8=5/A1-805 #9=stripe Area of Refuge per striping note 1/A1-805. Provide sign per detail 2/A1-805 stating "Area of Refuge" with international handicapped symbol. #10=2/A1-805 #11=see Q193 below. In addition, ref. spec section 142000 for signage at elevators required by ADA and elevator code. #12=2/A1-805 #13=see striping note 5/A1-805. Striping applies to all stairs at the Running Repair Shop and does not apply to enclosed stairs. Drawing No. A1-801-0 thru A1-805 (Sheet No. 450-0 thru 454) are revised in Addendum No. 4 and Drawing No. A1-805.1 (Sheet No. 454-1) is added in Addendum No. 4.	F	4

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Q192.	Is there a detail for the directory signs?		
R192.	No, see Q191 above. Basis-of-design = Peter Pepper model MM-CLD-GI-4824 in natural anodized aluminum.	F	4
Q193.	Where are the "Fire Emergency Signs" located?		
R193.	Fire Emergency signs are located at elevator lobbies, noted as keynote 11 on A1-801-0 (Sheet 450-0) thru A1-804-0 (Sheet 453-0). Sign shall read "IN FIRE EMERGENCY, DO NOT USE ELEVATOR. USE EXIT STAIRS.". Below this text shall be a floor plan diagram indicating the position of the occupant with the text "You Are Here" and showing the nearest stairway, labeled with its name and number. Mount sign directly above elevator call buttons. Sign may be larger than the 8" x 8" dimension called out in spec. Drawing No. A1-801-0 thru A1-805 (Sheet No. 450-0 thru 454) are revised in 301-106 13 ADDENDUM NO. 4 Addendum No. 4 and Drawing No. A1-805.1 (Sheet No. 454-1) is added in Addendum No. 4.	F	4
Q194.	Ref. Dwg. S1-045-0 – Typical Section at exterior foundation shows Typ. width of foundation Beam (FB) 1'-0" thick whereas FB Schedule on S1-004 has different widths.		
R194.	Use the foundation beam schedule on S1-004 for the foundation beam mark numbers on the foundation plan. The 1'-0" width on the typical section on S1-045 is unless noted otherwise.	F	4
Q195.	Response to Question #49 refers to Section 3 on S1-045 and MH-18 on S1-047. These Sections are not drawn on these Dwgs.		
R195.	These drawings were revised in Addendum No. 2 as described in the response to question #49. Please refer to Addendum No. 2 drawings S1-045-0.1 and S1-047-0.1.	F	4
Q196.	Ref. Dwg. S1-045-0 – The Typical Section at exterior foundation shows a monolithic construction of foundation beam with slab & curb. Do we have the option to build the foundation beam with a keyed construction joint and hydrophilic waterstop as shown on Typ. Section at doors on this drawing?		
R196.	Yes, the foundation beam can be built with a keyed construction joint and hydrophilic waterstop as shown on Typ. Section at doors on S1-045-0.	F	4
Q197.	Ref. drawings S1-008-0, S1-009-0 – Is there any gratings/edge angle at 6" door gutter drains?		
R197.	All grates in the track area are fiberglass with embedded fiberglass angle supplied by the manufacturer.	F	4
Q198.	8. Ref. Dwg. A1-324 Section 2 – What is the extent and thickness of light weight concrete topping (3.6) on the first floor of CCOS building.		
R198.	The 1st Floor shall not have a lightweight topping slab as per keynote 3.6 on 2/A1-324.. The finish is a concrete/epoxy mix, spec section 096723 describes it as "Seamless self leveling or screed mortar applied four part polyurethane modified concrete, with quartz broad cast aggregate and 100% solids novolac epoxy sealer" and lists the dry film thickness as minimum 1/8" and maximum 1/2". Additionally, the Floor Finish Plans A1-611 and A1-612 show the concrete/epoxy resinous flooring locations at the 1st and 2nd floors with keynotes 2A and 2B.	F	4

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Q199.	Trench detail is needed indicating horizontal and vertical pay limits for trench excavation on the following items: a. electrical power duct bank b. traction power duct bank c. snow melter duct bank d. gas service		
R199.	Horizontal and Vertical limits are as described in the 'Method of Measurement' clauses of section 2.05 of the Form 816 (pages 166-173), Item 0205003A - Trench Excavation 0'-10' Deep and Item 0205005A - Trench Excavation 0'-15' deep (pages 542-543), or as otherwise shown on the plans. Vertical limits for ductbank is that depth sufficient to provide for 12 " No. 6 Crush stone beneath the ductbanks, see Drawing UM-008-0 (Sheet 161-0); vertical limits for gas service is that depth sufficient to provided for 6" of bedding below the piping and 30" minimum cover over the piping. <u>Bedding material for the gas piping will be provided by the Gas Company Contractor.</u>	F	4
Q200.	Spec. section 140415A Pump station (sanitary sewer) states sheeting is paid under separate item. Detail on sheet # 159 indicates sheet piling is left-in-place, however, there is no bid Item for permanent sheeting. Please clarify.		
R200.	The special provision for Item No. 1404105A - Pumping Station (Sanitary Sewer) is revised in Addendum No. 3 as follows: Payment for underwater concrete, grout pad, sheeting at the wet well, concrete for anti-floatation, rebar in the underwater concrete pad, and compacted granular fill will now be at the contract lump sum price for Item No. 1404105A - Pumping Station (Sanitary Sewer). Structure excavation earth will now be paid under Item No. 0203004A - Structure Excavation - Earth (Complete).	F	4
Q201.	Detail needed to indicate location and sectional thickness for the following items: a. compacted granular fill (spec.# 0214022) b. pervious structure backfill (spec. # 0216004A)		
R201.	a. Compacted Granular Fill (0214022) is used in the following areas: - 12" Depth under Reinforced Concrete Slabs on Grade (CM-006) - See GG-011, Demolition Note 4 - Required Duct Bank Trench Backfill to SHGW Elev = 5.00, See GG-011, General Note 11 b. Pervious Structure backfill (0216004A) - Component Change Out Shop - Fill from Elevation 3.5 up to Bottom of Concrete Slab - Out 2 feet from Building Face, then Fill – 2:1 Sideslopes up to Existing Ground - Traction Power Substation (Addendum No. 2) - Building Surface Area (94' X 34' X 1' Depth) - Around Vault (to El 7.0' – Exist Ground) 9.5' depth		
Q202.	Spec. section 119000 - Installation of Owner Furnished Equipment. Furnish catalog cuts, drawings, installation and operating instructions, etc. for the equipment that is being furnished by the Department.		

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R202.	Equipment information will be made available during construction as soon as the equipment is procured. No Owner Furnished / Contractor Installed (OF/CI) shop equipment require special foundations.	F	4
Q203.	Spec. section 119000 - Installation of Owner Furnished Equipment. Identify what equipment is being delivered to that new facility by the Department.		
R203.	Equipment furnished by Owner is identified in CSI Spec Section 11 10 00 - EQUIPMENT SCHEDULE.	F	4
Q204.	Spec. section 119000 - Installation of Owner Furnished Equipment. Identify and provide the location for the equipment that is being relocated.		
R204.	Refer to Industrial Drawings Sheets 919 thru 940.	F	4
Q205.	Spec. section 119000 - Installation of Owner Furnished Equipment. What are the hardware requirements that the contractor is responsible to furnish for each piece of equipment under this section?		
R205.	Contractor is responsible for final utility connections. Refer MEP drawings.	F	4
Q206.	Spec. section 119000 - Installation of Owner Furnished Equipment. What are the operating and testing requirements for each piece of equipment?		
R206.	Operating and testing requirements will be per each equipment manufacturer's industry standard procedures. Equipment information will be made available during construction as soon as the equipment is procured.	F	4
Q207.	Drawing S1-013-0, section 3, 2 beams W8x15 are shown moment connected to the W18 girder. The beams to the left of grid 9.9 & right of grid 10 are shown the same depth as the W8x15. The plan (S1-012) calls for W14x48 beams (not moment connected). Is this section drawn wrong or is there W8 beams that are not shown on S1-012?		
R207.	Section 3 is for the framing between at the expansion joint between column lines 9.9 and 10. The floor beams supporting the grating between column lines 9.9 and 10 are W8x15's. Drawing No. S1-013-0.1 (Sheet No. 476-0.1) is revised in Addendum No. 4.	F	4
Q208.	Drawing S1-013-0, section 7. What is the location & spacing of the HSS 6x4x1/2? Drawing S1-012 has Detail A at each column line shows the post sitting on the W18x119, which does not match the detail on S1-013. Please advise.		
R208.	See detail A on drawing S1-013-0.1 which was issued in Addendum 2. The HSS 6x4 is located at the W18x119.	F	4
Q209.	Drawing S1-013-0, section5, is the railing support to be provided by the structural steel fabricator?		
R209.	The continuous steel plate will be provided by the steel fabricator. The railing support is defined in the architectural drawings, see A1-163-0.	F	4
Q210.	We are currently preparing a bid for Contract 301-0106, New Haven Rail Yard Component Change Out Shop. Many Subcontractors and suppliers are requesting more time for submitting their proposals to us. In order to submit a competitive bid to ConnDOT, we request a 4 week postponement of the letting date.		
R210.	This project was advertised with a 12 week bid period, which is 3 times longer than a standard ConnDOT project. Therefore, the bid opening date will not be moved. Please see the detailed response to Question 127.	F	4

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No.	Question Submitted	Status	Add. No.
Q211.	Item #0202317A - Hazardous Waste: Please provide alternate facilities for the disposal of this Item. The cost to transport to model cities makes it prohibitive and the other sites are only TSDF, not final spots of disposal, and some of the sites are no longer in business. In addition, since it is such a small amount we would ship them in 55 gallon drums. Is that acceptable?		
R211.	Addendum No 3 included a revised specification which included the following facilities: Chemical Waste Management of New York, (716) 754-8231, Pat Stauffer; Environmental Quality (EQ), (800) 592-5489, Debbie Oleksienko; Clean Harbors Environmental Services, Inc., (308) 235-8212, Marcia Mais; Stablex Canada, Inc., (450) 430-9230, Claude Forte. Shipping in 55 gallon drums is also acceptable.	F	4
Q212.	The specification for Item 0204210A - Handling Contaminated Groundwater indicates that contractors are allowed to send 500 gal/min to the water treatment facility. This seems quite low considering the amount of work to be done below the water table for this project. Would the state consider revising the allowable amount to 1000 gal/min? The additional cost impact on item # 204210A would be minimal.		
R212.	The following answer is included in Addendum No. 5 and revises the answer previously issued in Addendum No. 4: Please refer to the response to question 10.	F	5
Q213.	Ref: Section 074263 Fabricated Wall Panel System; there is an item in this specification that is completely proprietary as manufactured by Centria and no other manufacturer can provide this item. Per Section 074263, page 7 paragraph 2.4 Aluminum Composite Panel System, sub paragraph C – Structural sections shall be bonded to the rear face of the FORMABOND PANELS... No one produces the FORMBOND Panel product except Centria. We ask that an alternative product be utilized in lieu of the Formabond material – such as an Aluminum 1/8” plate or standard composition system. If the “Formabond” proprietary product is the only option and a standard composite system or alternative plate cannot be bid all competitive pricing will have been eliminated.		
R213.	Aluminum 1/8” plate or standard composition system is acceptable.	F	4
Q214.	Regarding locations of concrete encased columns, the fireproofing noted on dwgs A1-104.1 to A1-104.4 are referring to shops and shopping areas and are not clear. Please identify these columns to be encased by room numbers.		
R214.	On A1-104.1 thru A1-104.4, under “Fireproofing Notes” replace the word “shopping” with “shop”. Columns in the following rooms shall be encased in concrete per the Fireproofing Notes on A1-104.1 thru A1-104.4: - 1st Floor – all rooms with occupancy type of F-2 = 102, 103, 107, 111A, 111B, 112, 113, 113A, 114, 115, 116, 117, 118, 119, 120, 130, 131, 134, 136, 137A, 137B, 139, 140A, 140B, 140C, 148, 152, 159. - Mezzanine– all rooms with occupancy type of F-2 = P101, P102. - 2nd Floor - all rooms with occupancy type of F-2 = 200A, 203, 205, 206, 208, 209, 210, 211A, 211B, 211C, 212, 214, 216. Drawings A1-104.1 thru A1-104.4 (Sheets 325 thru 328) are revised in Addendum No. 4.	F	4
Q215.	Drawing S1-001-0 calls for all concrete (except piles) to be 4000psi. Where as the specification for concrete calls for 5000psi as per item #2.5-c. Please clarify.		
R215.	Spec 03 30 00 was revised in Addendum No. 1 , concrete calls for 4000 psi.	F	4
Q216.	Drawing UW-005 (sewer plan) shows the pipe between SMH 3 and 4 to be 8" PVC. Drawing UW-014 (sewer profile) shows the same pipe run to be 6" HDPE force main. Please clarify which pipe to use.		

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R216.	Sanitary pipe between SMH-3 and SMH-4 on Drawing UW-014 should be an 8-inch PVC . Drawing No. UW-014-0 (Sheet No. 152-0) is revised in Addendum No. 4.	F	4
Q217.	Drawing UM-006 shows "sheet piling left in place" around the wet well of the sanitary pump station. Specification 1404105A Basis of Payment states, "sheeting at the wet well shall be paid under the item "Sheet Piling Left in Place". There is no such bid item included in this project. Please confirm if sheet piling is to be used, and under what bid item it will be paid.		
R217.	Sheet piling will be used and the special provision for Item No. 1404105A - Pumping Station (Sanitary Sewer) is revised in Addendum No. 3 as follows: Payment for underwater concrete, grout pad, sheeting at the wet well, concrete for anti-floatation, rebar in the underwater concrete pad, and compacted granular fill will now be at the contract lump sum price for Item No. 1404105A - Pumping Station (Sanitary Sewer). Structure excavation earth will now be paid under Item No. 0203004A - Structure Excavation - Earth (Complete).	F	4
Q218.	Specification Section 0702079A, Bitumen Coating for Concrete Piles, states that no bitumen or primer shall be applied when the temperature is below 65 degrees F. The pile driving may take place in winter to early spring. Temperatures during this timeframe are well below 65 F. The only possible solution would be to build a structure on the site and coat the piles inside that structure. Fumes from the heated bitumen would likely make inside work impossible. Would it be possible to apply the bitumen in colder temperatures? Is there another product that DOT would consider that would allow for cold temperature application? The use of bitumen as specified does not seem to be conducive to temperatures in this area at this time of year and could provide for an unsafe work environment.		
R218.	Bitumen coating may not be applied at temperatures below 65 F. A temporary structure with proper heating, ventilation, and worker respiratory equipment could be used. Alternate products that meet the requirements stated in the "materials" section of the special provisions for Item 0702079A - Bitumen Coating for Concrete Piles may also be considered.	F	4
Q219.	Specification Section 702801A, Pile Load Test, states, "Steel pipes shall be installed between the pile and the casing in which the pile is installed to within one foot of the bottom of the casing. The steel pipes shall be of sufficient diameter to support and prevent lateral movement of the pile." Is it the DOT's intent to shim between the pile and the inside of the casing using any method necessary? Will this be on all test piles or just the test pile that is being statically tested?		
R219.	As stated, steel pipes are the method to be used to prevent lateral movement. This is only required for the piles that will be statically tested.	F	4
Q220.	Specification Section 0702079A, Bitumen Coating for Concrete Piles, states that piles to be coated with bitumen to El. -35. If we drive from El. 7, there would be bitumen on the top 42' of the pile. Specification Section 0702797A, Dynamic Pile Driving Analysis Test, states that the test piles will be 80' long with 45' of bitumen coating. If these test piles are driven to El. -60 (approximate tip given by geotechnical report) there will be 13' of pile above grade and the bottom of the bitumen coating will only reach El. -25. Does the DOT intend to drive these test piles to a deeper depth than the anticipated production pile length or should the test piles require more bitumen coating?		
R220.	The test pile length was set to allow driving of the test piles to lower than EL -60 if necessary to obtain the design capacity.	F	4
Q221.	It appears from the geotechnical report that these piles will be driven to a tip elevation and not to a specific blow count. Please confirm this.		
R221.	The intent is to drive to an elevation.	F	4

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Q222.	Specification Section 0702109A, Pre-Augering of Piles, states that one must use a method that prevents loss of soil in the hole but they require the hole diameter to be 18". The triangular measurement of a 16" pile is 22-23 inches. Is the specified 18" diameter hole correct?		
R222.	The 18" diameter hole is correct.	F	4
Q223.	The description in Specification Item #0601211A -Class F Concrete (Special) states this item shall consist of furnishing and placing protective concrete over utilities prior to the installation of the tracks. Method of measurement states this item will include concrete and reinforcement. Drawing UM-005 (sheet 158), utility protective note #4 also states that concrete, formwork, and reinforcing will be paid under the item "Class F Concrete". But, Drawing UM-001 (sheet 154) has two notes in the center of the page which state that shallow depth protection and insulation of water services will be paid for under the item "Ductile Iron Pipe", and the force main to be paid for under the item "6" HDPE Force Main". Please clarify where the shallow depth protection will be paid for water and sewer utilities. Also please indicate in which pay items these related items of work will be paid for: 2" thick pipe insulation and waterproofing; 3" of compressible material under the concrete; steel plates.		
R223.	Concrete protection for any utility crossing under the tracks shall be paid for under Item # 0601211A- Class "F" Concrete. (See DWG. No. UM-005 (Sheet No. 154), Note 4). On DWG. No. UM-001 (Sheet No. 154), shallow protection details apply to water and force mains passing over box culverts and are paid for as indicated in Notes 1 and 2. This also applies to insulation and waterproofing.	F	4
Q224.	Specification 08710: Request possible changes by addendum or request for information. Isolotek International is currently the largest manufacturer in the U. S. of sfm's(spray fire resistive materials) tested and listed in Underwriters'Laboratory fire resistance directory. Two of our materials ;Cafco 300 and Cafco 400 are speciiied for this project.. However, a large portion of the fireproofing construction will be done with intumescent fireproof coatings and due to some oversight our Cafco Sprayfilm WB3 intumescent fireproofing and WB4 exterior grade(UL listed exterior grade) materials were not included on this project. I have also noted some technical deficiencies in some of specified materials listed that were apparently incorrectly specified for exterior weather exposure without any UL exterior use listing as noted in the 2009 edition of the UL fire resistance directory. As Isolotek International is currently one of the 2 largest manufacturers of Intumescent coatings currently in the U.S, and as a supplier who currently meets all technical requirements for this project , I would like to request an addendum be put forth listing our Cafco Sprayfilm WB3/V project. WB4 is UL listed for exterior weather exposed conditions and not just for general purpose interior exposed steel as found on the other listed materials of this specification. Our Cafco Sprayfilm WB3 intumescent is listed for general purpose interior non weather exposed environment and has been used on some of the largest intumescent fireproofing projects completed in the past 5 years including the new Boston Convention Ctr. , Miami Airport, Chicago Ohare Airport, George Bush Intern Airport, Houston, the new Sea-Tac Airport South terminal , Pier 91 (Port Authority of Seattle), and numerous hospital and school projects. Please refer to our website: www.cafco.com for all pertinent technical and product data for these materials. I am also attaching the latest ICC ES Report showing current code compliance with our Cafco Sprayfilm intumescent materials. We would appreciate your taking the time to look into adding our WB3 and WB4 Sprayfilm intumescent materials by addendum so a more competitive bidding process is assured. Although the specs list or " approved equal" it is best to have materials listed on the project specs prior to the bid dates to allow a more competitive bidding climate.		

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R224.	All products specified in this Contract, with the exception of the security access control and intrusion detection system are specified as "or equal" products. This means the prime Contractor that is awarded the project can submit shop drawings that contain products by any manufacturer that meets the requirements of the Contract. The Designer will review these products and approve them for use if they meet all contractual requirements on the plans and in the specifications. For specification 07 81 00, Part 2.3A includes the "or equal" language. Although we understand your concern, it is impossible to add every possible manufacturer to every specification. Therefore, no changes will be made by Addendum.	F	4
Q225.	Reference below from addendum 1 regarding pay items 0096022A and 0090084A and please advise the specifics on which hardware and software is currently in use by MNR. Hardware A Concentrator Design 1. The design shall incorporate to the extent possible hardware and software already in use by MNR's Power Department.		
R225.	MNR currently has installed the following items with regard to the SCADA system: <u>HUMAN MACHINE INTERFACE</u> Hardware - Manufacturer: Schneider Electric; Model Name: Magelis; Part No. XBTG6330 Software - Protocol: ModBus or Ethernet TCP/IP; Development software package is Vigeo release version 4.2 (minimum) from Telemecanique (Schneider Electric) <u>DATA CONCENTRATOR</u> Hardware - Manufacturer: QEI; Model Name: Data Concentrator; Part No.: ePAQ 9100 Software - Protocol: QUICS <u>DISTRIBUTED I/O UNIT</u> Hardware - Manufacturer: QEI; Distributed I/O Unit; Part No.: DIO 9100/9110 Software - Protocol: QUICS Complete information on these products may be obtained from the manufacturers, QEI and Schneider Electric. Special Provision 0096022A - Scada Remote Terminal and special provision 0090084A - Traction Power Scada System are revised in Addendum No.	F	4
Q226.	Please provide additional structural details and sections for stair #5 and stair #7.		
R226.	Refer to Addendum No. 2 drawings A1-156-0 thru A1-159-0 for Stair #5 and Stair #7 details and sections.	F	4
Q227.	REF drawings A1-151 to A1- 168: Please clarify which stairs get concrete filled treads and which stairs are metal gratings.		
R227.	Stairs with concrete filled steel pan treads: Stair No. 1, 3, 4, 5, 6, 7, 9, 10. Stairs with fiberglass-reinforced plastic (FRP) components (including channel stringers, tread gratings, tread backplates, angle tread supports, landing grating, bolts, railings -all FRP): Stair No. 2, 8; Platform Stair No. 1,2,3,4,5,6,7,8,9,10. Drawings A1-160-0 & A1-161-0 (Sheets 362-0 & 363-0) are revised in Addendum No. 4.	F	4
Q228.	On Sheet 506 of the Contract Drawings the detail for the pile elevation shows for SDC "C" 105 turns @ 3" pitch & for SDC "D" 166 turns @ 3" pitch. Where are or what are SDC "C" & SDC "D"? We have not been able to locate them on the drawings.		
R228.	SDC=seismic design category. On drawing No. S1-001-0 (Sheet No. 464-0), General Structural Notes, 2.F: Seismic Loads, there is a diagram to define the building locations for seismic design categories.	F	4

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No.	Question Submitted	Status	Add. No.
Q229.	Attached is a more detailed breakdown of the issue that we (CPI) have with the translucent panel wall & Skylight specifications. As I noted previously, much of this has been around for years and we (CPI) have pointed out many of these issues previously. You will not see our "red" highlighted responses in the attached specification, so I underlined the first few for you to follow. Essentially, we take no exception to most of this spec but there are some major things going on here that need to be addressed by somebody. CPI Daylighting presents a competitive, higher performing value added polycarbonate panel system for your consideration as a substitution and viable alternate to fiberglass. CPI Quadwall daylighting system will outperform fiberglass in a broad range of performance criteria as documented in the attached product comparison table. Note: The Spec calls for only one Manufacturer to be utilized; Kalwall. As a result the owner will not receive competitive bids. Approving our system as an equal will offer a financial benefit to the owner, providing durable quality and a competitive alternative daylighting system for this project.		
R229.	Specifications 08 45 00 - TRANSLUCENT PANEL WALL UNIT SYSTEM and 08 45 13 - INSULATED TRANSLUCENT SANDWICH PANEL SKYLIGHT SYSTEM are based upon systems as noted in Section 2.1A. Comparable products will be considered provided they comply with indicated performance requirements and meet profile, sticking, and glazing characteristics indicated on the drawings. This means the prime Contractor that is awarded the project can submit shop drawings that contain products by any manufacturer that meets the requirements of the Contract. The Designer will review these products and approve them for use if they meet all contractual requirements on the plans and in the specifications. No changes will be made by Addendum.	F	4
Q230.	There is a discrepancy between two mark numbers. On Sheet 924 it shows Mark 6708. This is also shown in spec section 111000 on the equipment schedule. However, in spec section 112400 there is no Mark 6708 listed, but there is a Mark 6710 listed. Mark 6710 is not shown on the Industrial sheets. The difference in the two pieces of equipment is the 6708 is 8' long and 6710 is 10' long. They are both hydraulic metal shears. Please clarify which piece is to be used.		
R230.	For Mark #6708, provide 1 "Shear, Metal, Hydraulic, 8 Foot, Accurpress Model 62508, or approved equal" for Room 107. Mark # 6710 has been deleted from Section 11 24 00 and replaced by Mark #6708. Section 11 24 00 - General Shop Equipment is revised in Addendum No. 4.	F	4
Q231.	For ITEM #0702079A – BITUMEN COATING FOR CONCRETE PILES, we suggest that this be changed to a Coal Tar Epoxy or equal for the reasons stated in question 218 and other possible unforeseen environmental issues. Would the State consider making this change?		
R231.	Refer to response to question 218.	F	4
Q232.	Questions & Responses #201 – in your response to b. the locations of pervious fill you state "CCO-fill from elevation 3.5 up to bottom of concrete slab. The existing grades vary from approximately elevation 6 to 8. Are we required to pre-excavate the entire slab area of the CCO to elevation 3.5? This is not indicated anywhere in the Contract Documents. If yes, is the excavation to be paid under Item #203044A -Structural Excavation and is all the material to be brought to the WSA?		
R232.	No, there is no requirement to excavate the entire slab area to elevation 3.5. Any fill that must be installed above elevation 3.5 and beneath the concrete slab must be Pervious Structural Backfill.	F	4

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No.	Question Submitted	Status	Add. No.
Q233.	GC-010-0, Construction Staging Note, Stage 2, Note 6 - Contractor shall grade CCO building footprint up to required fill grade with pervious structural backfill material. Note 7 - Install Piles and Note 8 -Construct Pile Caps, grade beams.... Is it your intent that the Contractor "must" fill the CCO area to slab subgrade (approximately 9'5") prior to driving piles and excavating for the pile caps or is it at the Contractor's option to stage the work at our discretion?		
R233.	Please see General Note 13 on this sheet which indicates that the staging phases are intended to aid the contractor in scheduling the work and that the contractor may propose changes to suit the needs of construction.	F	4
Q234.	We cannot find in the plans or specifications any details of what preparation goes under the slab/pile caps of the CCO shop other than waterproofing and protection board. Please furnish detailed cross section of work to be done under the slab and identify the various items associated with the work. Specifically concerning us is the item for pervious structure backfill @ 22,000cy. Based on the square foot area of the building the layer would be approx. 5' thick, is this what you intend? These concerns will greatly affect our proposal especially concerning dewatering which is a lump sum item.		
R234.	Refer to response to question 201.	F	4
Q235.	Concerning access and egress to the site during construction, there is now an entrance gate into the existing disposal area in the yard off Brewery St. During stage 1 of the plans we install an anti-tracking pad at the entrance, are we to assume that this is an additional means of access and egress to the site during this phase? Secondly, in stage 2 of the plans the anti-tracking pad is removed and precast barriers close the entrance, are we to assume this access will not be permitted for stage 1 and stage 3 work? Additionally, while the entrance is open in stage 1 is there any manning requirements by the Contractor? or MNR personnel?		
R235.	Please see revised Construction Staging Drawings in Addendum No. 2, [Dwg. No GC-022-0.1(Sheet 016-0.1),GC-025-0(Sheet 019-0), GC-026-0(Sheet 020-0), GC-028-0(Sheet 022-0), GC-029-0(Sheet 023-0), GC-030-0.1(Sheet 024-0.1), GC-033-0(Sheet 027-0), GC-034-0(Sheet 028-0), GC-035-0.1(Sheet 029-0.1), GC-038-0.1(Sheet 032-0.1), GC-041-0(Sheet 035-0), GC-042-0(Sheet 036-0), GC-043-0.1(Sheet 037-0.1)] that have modified the scheme described. The Brewery Street site entrance remains open. Since much of the CCO construction zone, including this entrance, is outside of the Security Fence around the yard, there are no manning requirements at this location.	F	4
Q236.	In light of the substantial addendum 1 scope and the forthcoming addendum 2, Skanska USA Civil NE respectfully requests a four week postponement of the bid date.		
R236.	The Department has determined that the bid opening will be rescheduled to September 16, 2009.	F	4
Q237.	Kindly clarify if excavation and backfill are to be paid for in the Guard Booth, L.S.Bid Item.No. 0992035A.		
R237.	No, the Lump Sum cost for Item No. 0992035A - Guard Booth does not include excavation and backfill. Excavation and backfill are paid under Item 0202003A - Earth Excavation & Item 0216004A - Pervious Structure Backfill.	F	4
Q238.	Regarding Pervious Structural backfill Item No, 0216004A. Kindly indicate either the design thickness of the fill or the elevation of the bottom of the pervious fill to be installed under the building slab.		
R238.	Refer to response to question 201.	F	4
Q239.	Regarding Bid Item 0969206A, kindly indicate the monthly lease cost to be assumed by the contractor.		

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R239.	The cost for Item 0969206A - Construction Field Office (Type C) Supplies shall be determined by the Contractor based on the items listed in the specification. It is the Contractor's option to lease or buy them. However, it should be noted that the basis of payment for Item 0969015A - Construction Field Office (Type C) - Lease will be revised in Addendum No. 2 to an estimated cost and a cost will be provided on the revised bid proposal that is issued with Addendum No. 2. Also note that Item 0969206A - Construction Field Office (Type C) Supplies and Item 0969015A - Construction Field Office (Type C) - Lease will both be revised in Addendum No. 2 to account for one field office only.	F	4
Q240.	Spec. section 06 20 00 – 3, states millwork requirements in storage rooms, copy/work rooms, exam rooms, etc. I have listed the rooms where there are no elevation drawings. These rooms are 215, 219, 233, 273, 327, 414, 426, 437 storage areas 227, 234, 236, 242, 245, 262, 318, 319, 324, closet rods & shelves 245, 267A, 267B, 268, 268A, 268B, 300A, 324, 346A, 419. Please clarify.		
R240.	Each room has an individual response: The following rooms have no millwork, equipment or furniture by others: 215, 219, 233 The following rooms have no millwork: 437, 236, 242, 245, 262, 318 The following rooms have typical coat closet: 227, 268, 346A The following rooms have a walk-in closet: 319, 324 The following rooms have been removed from the project: 267A, 267B, 268A, 268B Room 273: see answer 101; room 327: see answer 35; room 414: see answer 36; room 426: see answer 37; room 234: refer to drawing A1-503-0 (Sheet 403-0); room 300A: see answer 96; room 419: see answers 33 & 95. Note all coat closets to receive one rod and one shelf on each back/side wall. Rod heights: standard: 5'-4", handicap: 4'-0" and shelf heights: standard: 5'-10", handicap: 4'-6". Note: all coat closets shall have two thirds length of standard height rods and shelves and one third length of handicap height rods and shelves supported as required. Drawings A1-609-0 & A1-610-0 (Sheets 420-0 & 421-0) will be revised in Addendum No. 4.	F	4
Q241.	Plan Sheet No. A1-701 Partition Types – partition type 6 indicates an 8" glazed CMU. This symbol is indicated in toilet and locker rooms thru out the project. The finish schedule indicates ceramic tile, please clarify.		
R241.	Partition type 6 is changed to NOT USED on Dwg. A1-701-0 (Sheet 426-0) included in Addendum 2. All type 6 partitions are changed to type 3 partitions.	F	4
Q242.	Plan Sheet No. A1-701 Partition Types – partition type 6A indicates an 8" glazed both faces CMU. Many toilet / locker plans do not indicate this wall type at common walls, please clarify.		
R242.	Partition type 6 is changed to NOT USED on Dwg. A1-701-0 (Sheet 426-0) included in Addendum 2. All type 6 partitions are changed to type 3 partitions.	F	4
Q243.	Spec. Page No. 04 22 00-4 – masonry specification indicates ground face block. The finish schedule does not indicate this material. Please indicate where this material is utilized.		
R243.	Ground face block is used at the first floor lobby (room 142) walls only. See Detail A1-154-0.1 (Sheet No. 356-0.1) and Wall type 4.2A on Drawing No. A1-701-0.1 (Sheet No. 426-0.1) which are included in Addendum No. 4.	F	4

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No.	Question Submitted	Status	Add. No.
Q244.	Spec. Page No. 04 22 00-4 – masonry specification indicates acoustical CMU. The finish schedule and wall sections do not indicate this material. Please indicate where this material is utilized.		
R244.	Acoustical CMU is used in the HVAC Testing Room # 210. See Dwg. A1-609-0 (Sheet 420-0) included in Addendum 2.	F	4
Q245.	Plan Sheet No. A1-120 – Fourth floor plan indicates exterior wall type 26, which does not indicate masonry. Wall section 2 / A1-326 indicates CMU wall backup. Please clarify.		
R245.	Exterior wall type 26 is correctly shown at the 4th floor. At wall section 2/A1-326 (Sheet 393), the CMU at the 4th floor should be 5 ½” metal studs with insulation and 6/8” GWB. Wall section 2/A1-326 revised to indicate gypsum board in place of CMU. Drawing A1-326 (Sheet No. 393) is revised in Addendum No. 4.	F	4
Q246.	Specification Section 09 91 00, page 8 describes a paint finish system for exposed overhead deck, joists, structural steel, piping ductwork, etc.. The finish schedule does not indicate painting of these exposed items. Please clarify.		
R246.	The Finish Schedules Dwg. A1-609-0 (Sheet 420-0) and Dwg. A1-610-0 (Sheet 421-0) included in Addendum 2 indicate various rooms to have “Exposed Steel Painted”. This includes piping, ductwork, etc..	F	4
Q247.	Drawing A1-211 – South Entry Façade indicates a curtain wall framing system. Please provide specification for above mentioned system.		
R247.	Curtain wall specifics are included in specification section 07 42 63 - FABRICATED WALL PANEL SYSTEM included in Addendum 2.	F	4
Q248.	Drawing A1-211 – South Entry Façade indicates an aluminum storefront system at the first floor glazing. Drawing A1-201 note 8 refers to same storefront system as being stainless steel.		
R248.	Storefront system at first floor south entrance is stainless steel. Drawing A1-211 (Sheet 382) is revised in Addendum No. 4 to indicate stainless steel.	F	4
Q249.	Drawing A1-707 – South Entry Façade - 4, detail 7 tapered sunshade. Please provide specifications.		
R249.	Integrated sun shades are described in specification section 07 42 63 - FABRICATED WALL PANEL SYSTEM.	F	4
Q250.	Specification Section 12 24 13 Roller Window Shades, page 2 indicates under Spare Parts. Provide packaged, wrapped and labeled maintenance stock equal to 1 additional shade for each unit provided. There will be about 400 units is this the intention.		
R250.	Specification 12 24 13 is revised in Addendum No. 4 to require provision of packaged, wrapped and labeled maintenance stock equal to 10% of total Roller Window Shades.	F	4
Q251.	Sheets 160 & 161 appear to show stairs 2, 6, 8 & 9 as either steel pan stairs or FRP stairs with grating treads. There is a general note on both drawings that indicates they are all FRP stairs. The finish schedule for these stairs indicates that they are to receive rubber treads and rubber landing floor finishes. Please confirm make-up of these stairs and if floor finishes are required.		

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R251.	Refer to Q227 response. On A1-160 (Sheet 362), Note 1 shall read: "All stair and railing components for Stair No. 2 shall be fiberglass reinforced plastic (FRP). Stair No. 6 shall be steel components with concrete-filled steel pan treads." On A1-161 (Sheet 363), Note 1 shall read: "All stair and railing components for Stair No. 8 shall be fiberglass reinforced plastic (FRP). Stair No. 9 shall be steel components with concrete-filled steel pan treads." Steel stairs 6 and 9 shall have rubber safety treads and rubber bases as shown on Finish Schedules. FRP stairs shall NOT have rubber safety treads or rubber bases - Finish shall be painted where required for safety striping. Notes are added to stair drawings A1-151-0 thru A1-168 (sheet nos. 353-0 thru 370) in Addendum No 4	F	4
Q252.	Specification 068200 FRP Products lists floor grates for interior gutters. The cross section taken through the rails and gutters on Sheet 507 does not show a grating is required. Also, the plan shows gutters at the exterior overhead doors. Again, on Sheet 508, the section taken through that area does not show a grating. Please confirm if gratings are required at these locations.		
R252.	FRP floor grates shall be provided at interior gutters. Drawing S1-045-0.1 (Sheet 508-0) is revised in Addendum No. 4.	F	4
Q253.	Specification 068200 FRP Products lists floor grates at interior sumps. Is this to include the sumps in the elevator pits?		
R253.	Yes, FRP floor grates shall be provided at elevator sump pits. Section 06 82 00 - Fiberglass Reinforced Plastic Products is revised in Addendum No. 4.	F	4
Q254.	Specification 068200 FRP Products para 2.5 refers to ladders and cages. The drawings do not indicate any requirements for these. Please confirm if there is a requirement and provide the location(s).		
R254.	Provide roof ladder and cage from main roof to roof of stair no. 1.	F	4
Q255.	Specification 335613 Above Ground Fuel Storage Tank para.1.1A calls for an access ladder and platform. Paragraph 2.3E calls for 30" wide ship ladder and 30"x30" platform. This tank does not appear to be located on the site plan. Please verify location and provide drawings for all its components.		
R255.	Refer to the Kerosene Tank details on Drawing No. CM-006-0 (Sheet No. 075-0) for Above Ground Fuel Storage Tank location and components.	F	4
Q256.	Is the roof ladder shown on Sheet 349 to be steel or FRP?		
R256.	The following answer is included in Addendum No. 5 and revises the answer previously issued in Addendum No. 4: The roof stair located on A1-121 (Sheet 349) near grid 2-H shall be FRP. Drawing A1-121 (Sheet 349) is revised in Addendum No 5.	F	5
Q257.	Sheet 378 Reflected Ceiling Plan shows Room 278 IT/Comm to have an exposed structure ceiling. The Finish Schedule Sheet 420 calls for a ceiling type ACT-1. Please confirm ceiling condition in this room.		
R257.	Ceiling in this room shall have exposed structure as shown on ceiling plan A1-178 (Sheet 378).	F	4
Q258.	Sheet 378 Reflected Ceiling shows room 289A Men's Shower & 290A Women's Shower to have an exposed or drywall ceiling. The Finish Schedule Sheet 420 calls for a ceiling type ACT-4. Please confirm the ceiling condition in these rooms.		
R258.	Ceiling in this room to be exposed drywall ceiling. Drawing A1-609-0 (Sheet 420-0) is revised in Addendum No. 4.	F	4

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Q259.	Sheet 378 Reflected Ceiling shows room 296A Mechanical Simulator to have an exposed structure ceiling. The Finish Schedule Sheet 420 calls for a ceiling type ACT-1. Please confirm the ceiling condition in this room.		
R259.	Ceiling in this room to have both ceiling types at different heights. Refer to dwg. A1-178 (Sheet 378) for layout and types.	F	4
Q260.	Sheet 378 Reflected Ceiling shows rooms 291, 292, 292A, 293 & 298C which are all part of the cell block/detention to have an exposed structure ceiling. The Finish Schedule Sheet 420 calls for ceiling type ACT-1. Please confirm ceiling condition in these rooms.		
R260.	Ceilings in these rooms shall all have exposed structure as shown on ceiling plan A1-178 (Sheet 378). Drawing A1-609-0 (Sheet 420-0) is revised in Addendum No. 4.	F	4
Q261.	Sheet 373 Reflected Ceiling Plan shows Room 329/ Stair 4 with a drywall ceiling. The Finish Schedule Sheet 421 calls for ceiling type ACT-1. Please confirm ceiling condition in this stair.		
R261.	Ceiling in this room shall have exposed structure as shown on ceiling plans A1-171 – A1-174 (Sheets 371-374) and section 2/A1-166 (Sheet 368). Drawing A1-610-0 (Sheet 421-0) is revised in Addendum No. 4.	F	4
Q262.	Sheet 374 Reflected Ceiling Plan shows Room 416 IT/Comm with an exposed structure ceiling. The Finish Schedule Sheet 421 calls for ceiling type ACT-1. Please confirm ceiling condition in this room.		
R262.	Ceiling in this room shall have exposed structure as shown on ceiling plan A1-174 (Sheet 374). Drawing A1-610-0 (Sheet 421-0) is revised in Addendum No. 4.	F	4
Q263.	Sheet 378 Reflected Ceiling Plan shows Room 200A West Corridor with exposed structure ceiling. The Finish Schedule Sheet 420 calls for a ceiling type ACT-7. Please confirm the ceiling condition in this corridor.		
R263.	Ceiling in this room shall have exposed structure as shown on ceiling plan A1-177 (Sheet 377). Drawing A1-609-0 (Sheet 420-0) is revised in Addendum No. 4.	F	4
Q264.	When is the deadline for submitting Bidder questions on the project?		
R264.	In accordance with Section 1.02 - Proposal Requirements and Conditions, Pg 155, "The Department cannot ensure a response to inquiries received later than ten (10) days prior to the <u>original</u> scheduled opening of the bid." Therefore, the Department cannot ensure formal responses will be issued by addendum to any questions received after August 9, 2009.	F	4
Q265.	Please reference pay item 0096107A, Snow melter distribution and control cases. Can you please provide names of manufacturers for this equipment?		
R265.	Item 0096107A - Snow Melter Distribution and Control Cases is deleted in Addendum No. 4. The Snow melter distribution and control cases will be provided and installed by MNR as indicated in the notes on Drawing P-400-0.1 (Sheet 278-0.1) in Addendum No. 2. In their most recent project, MNR installed equipment supplied by Twinco.	F	4
Q266.	Please clarify the pay items for the site communications per drawings SC004,005,006,007,020: 2-3" GRC duct banks; 4 – 4" PVC duct banks; 4/0 ground wire and 8' ground rods; 144 stand finer cable, SM; 24 strand fiber cable, SM; 24 strand fiber cable, MM; 400 pair telephone cables; 300 pair telephone cables; 200 pair telephone cables; 100 pair telephone cables; 50 pair telephone cables; 25 pair telephone cables; Telephone manholes; Above ground chambers; And all associated equipment.		

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R266.	The 2-3" RGS conduits are inside the CCO Shop and are included in Item 0100150A - MAINTENANCE FACILITY, refer to CSI Section 27 05 00 for more details; The 4-4" PVC ducts, 4/0 ground wire, and 8' ground rods are included in Item 0000582A - 4" PVC DUCT BANKS - 4 DUCTS; Note 4 on the COMMUNICATIONS MANHOLE Drawing SC-020 (Sheet 195) indicates that "Communications Manholes shall be paid for under Item 1010916A - CONCRETE MANHOLE"; all remaining items on the Site Communication drawings are included in Item 1108798A - CENTRAL COMMUNICATIONS EQUIPMENT .	F	4
Q267.	Item # 0702335 - Furnish 16" Prestressed Concrete Piles is missing from the specification Book.		
R267.	Item # 0702335 - Furnish 16" Prestressed Concrete Piles is not an "A" item specification, therefore, it can be found in Section 7.02 of the standard Form 816. The Form 816 and current supplements can be viewed on the Departement's website at http://www.ct.gov/dot/cwp/view.asp?a=3609&q=430362 . This is typical for all items without an "A" at the end of the special provision number.	F	4
Q268.	Drawing S1-014-0, 4 beam sizes missing, grid lines H.5, 9 to 9.9; H.7, 9 to 9.9; G, 9 to 9.9 and F, 9to 9.9.		
R268.	The four beam sizes are as follows: H.5, 9 to 9.9 and H.7, 9 to 9.9 is W27x94(92). G, 9 to 9.9 and F, 9 to 9.9 is W30x99(98). Drawing S1-014-0 (Sheet 477-0) will be revised in Addendum No. 4.	F	4
Q269.	Drawing S1-014-0, W24x55 beam at line 1, H.2 to G.5, (El 33'-10 1/2") is not shown on Brace Frame drawing S1-052. There would be a conflict with the W8x24 bracing shown. Is the W24 required?		
R269.	The braced frame on Column Line 1 between H.2 and G.5 as shown on S1-051-0 is correct. The W24x55 is not required.	F	4
Q270.	Drawing S1-016-0, beam size missing, grid line 19, F to Shear Wall.		
R270.	Beam size is W18x35 (8). Drawing S1-016-0 (Sheet 479-0) is revised in Addendum No. 4.	F	4
Q271.	Drawing S1-021-0, beam size missing, grid line F, 17 to 17.7.		
R271.	Beam size is W21x50. Drawing S1-021-0 (Sheet 484-0) is revised in Addendum No. 4.	F	4
Q272.	Drawing S1-021-0, beam size missing, 5'-0 south of grid line H.2, 17 to 18.		
R272.	There is a CADD typo here. W30x99 is 5' south of grid line H.2, 17 to 18. On H.2 from 17 to 18, the beam size is W14x34. Drawing S1-021-0 (Sheet 484-0) is revised in Addendum No. 4.	F	4
Q273.	Drawing S1-021-0, beam size missing, grid line F.2, 21.7 to 23.		
R273.	Beam size is W27x84. Drawing S1-021-0 (Sheet 484-0) is revised in Addendum No. 4.	F	4
Q274.	Drawing S1-022-0, beam size missing, grid line 12, C.3 to C.9.		
R274.	Beam size is W18x35. Drawing S1-021-0 (Sheet 485-0) is revised in Addendum No. 4.	F	4
Q275.	Drawing S1-022-0, at grid line 20 the W24x55 is shown from C.8 to F.2, 73'-4" long. Can we make this (2) W24x55 beams from C.8 to E & E to F.2?		
R275.	Yes, this can be made of (2) W24x55 beams from C.8 to E & E to F.2.	F	4
Q276.	Section 033000 of the specifications, pg. 8, 2.3, B. – calls for blast furnace slag to 5000psi concrete. The only 5000psi concrete on the project is in the precast panels. Is it required for the precast panels?		

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R276.	Blast Furnace slag is not required for the precast panels. Addendum No. 1 changed the strength characteristics which eliminated the 5000 psi mix designs.	F	4
Q277.	Addenda #1, Section 033000 of the specifications, pg. 8, 2.3, C.1 – calls for light weight course aggregate. All the concrete on the project is listed as 4000psi NW. Is this required for the project.		
R277.	Yes, light weight concrete is required at the 2nd, 3rd and 4th floors – please refer to Drawings S1-014-0 (Sheet 477-0), S1-015-0 (Sheet 478-0), S1-016-0.1 (Sheet 479-0.1) and S1-017-0 (Sheet 480-0) which indicate this.	F	4
Q278.	Addenda #1, Section 033000 of the specifications, pg. 6, 2.1, A. – The specifications call for Architectural concrete. The Drawings do not indicate Architectural concrete. Please clarify.		
R278.	Architectural Concrete will be required at exterior slab and stair locations and at the loading dock location. Specification Section 03 30 00 - Cast-In-Place Concrete is revised in Addendum No. 4.	F	4
Q279.	Addenda #1, Section 033000 of the specifications, pg. 7, 2.1, F. – The specifications call for “rustication” formwork. The Drawings do not indicate rustication formwork. Please clarify.		
R279.	Rustication formwork is not required for this project and will be deleted from the specification. Section 03 30 00, Cast-in-Place Concrete, is revised in Addendum No. 4.	F	4
Q280.	Section 034500 of the specifications, pg. 2, 1.5, 1. – calls for additional mock-ups as directed by the designer. We can not quantify “multiple”. Can you please indicate a quantity and size of the mock-ups in order to price.		
R280.	Quantity/size: one full-size panel to panel connection, one full-size outside corner panel to panel connection. As per the spec, full size mockups are required. Section 03 45 00 Architectural PreCast Concrete is revised in Addendum No. 4.	F	4
Q281.	Section 034500, pg. 6, 2.4, A., 1. – The specifications call for a white sand mix for the precast facing of the panels. What is the thickness of the facing for the precast panels? Do you want the facing to wrap around the sides of the precast panels?		
R281.	This specification section lists the cement color. White Portland cement is included. The facing shall be 3 inches and shall wrap around all sides of the panels. Section 03 45 00 Architectural PreCast Concrete is revised in Addendum No. 4.	F	4
Q282.	Section 034500, pg. 6, 2.3, C. – The specifications call for stainless steel shapes. The drawings do not indicate stainless steel connections, embeds or connectors for the precast panels. Are they required? Where are they located?		
R282.	Stainless steel shapes are required. Refer to detail on S1-061-0 (Sheet 524-0) for sizes and locations.	F	4
Q283.	Section 042200, pg. 8, 2.6, A. – Is the Graffiti Control to be used on all CMU units installed on the project? Including full height application?		
R283.	Graffiti control is not required. Section 04 22 00 - Concrete Unit Masonry is revised in Addendum No. 4.	F	4
Q284.	Drawing A1-716, Detail 6 – The steel tube framing for the canopy does not have thicknesses listed. What is the thickness of the tube steel?		
R284.	Thicknesses are shown on Drawing S1-026-0 (Sheet 489-0).	F	4
Q285.	Drawing A1-716, Detail 6 – The diagonal support rod for the canopy is not sized and is not indicated as to what type of material it is?		

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R285.	Size and material are shown on Drawing S1-026-0 (Sheet 489-0).	F	4
Q286.	Drawing # A1-111 Sheet 339; between column 10 & 11 room # 126B South wall shows the Wall type 4.2. But Detail 1 on Drawing A1-501 clarifies that South wall of room 126B has Wall type 7.2. Please define which one we should follow for the Bidding Purpose?		
R286.	Partition type 4.2 to be used. Dwg 1/A1-501-0 (Sheet 401-0) was revised in Addendum 2.	F	4
Q287.	Drawing # A1-120 Sheet 348; between column 17.7 - 18 & F.2 – F.8, room # 436 Exterior wall shows the Wall type 29. But Detail 1 on Drawing A1-157 clarifies that Exterior wall of room 436 has Wall type 26. Please clarify this conflicting information.		
R287.	At this location, exterior wall construction shall be similar to partition type 29, with 12" CIP concrete in place of 8" CMU. Dwg 1/A1-157-0 (Sheet 359-0) included in Addendum 2 has the conflicting partition tag removed.	F	4
Q288.	Drawing # A1-120 Sheet 348; between column 21 - 23 & D – C, room # 448 Exterior wall shows the Wall type 29 & 26. But Detail 1 on Drawing A1-159 clarifies that Exterior wall of room 448 has Wall type 20.2 & 28. Please clarify.		
R288.	Between col. 21 and 22 along stair and elevator, there is a 12" CIP concrete shear wall. Exterior wall construction shall be similar to partition type 30, with 12" CIP concrete in place of 12" CMU. On the north and east walls of Elevator Machine Room 447, use partition type 29 (8" CMU). Drawing A1-159-0 (Sheet 361-0) is revised in Addendum No. 4.	F	4
Q289.	Regard Contract 0301-0106, Item #0202641A Well Adandonment. 4 inch monitoring wells. The spec's do not tell you how many wells need to be closed/ capped.		
R289.	Two (2) monitoring wells need to be abandoned as noted on the bid proposal form and drawing ENV-07 (Sheet 945).	F	4
Q290.	Fabricated Wall Panel 074263-2.6, 2.7, 2.8, & 2.9 state that all components to be engineered to be "integrated" with the metal panel system. Will non-integrated components (windows, translucent panels, sunshades) be allowed to be used with the wall panel system?		
R290.	Fabricated Wall Panel components must be integrated in the fabrication stage so that the building envelope system is coordinated by one set of engineers, detailers and project managers. The coordinated package along with integrated accessories have been specifically designed to be used together to ensure consistency in air and water infiltration performance as well as thermal performance. Also, components that have been designed to work together minimize the number of connection joints and in turn reduce the need for field applied, exposed sealants and the associated on-going maintenance required for the wall system. Non-integrated components are not allowed.	F	4
Q291.	074263 -2.2, A.3B -Vertical Metal Fabricated Wall Panel. Panel units specify 3" thick with integrated 6" reveal. Will a flat (non-reveal) metal panel or a reveal other then 6" (i.e.: 2" reveal) be accepted as an equal to the specification?		
R291.	Non-reveal and reveals other than the integrated 6" reveal specified for vertical metal fabricated wall panels will not be accepted as equal.	F	4
Q292.	Please clarify the pay limits for the furnishing of Prestressed Concrete Piles. Will the required 2.5 foot minimum section at the top of the pile be included in the pay length? Is waste included in the pay quantity? Refer to Drawing S1-043, "Pile Cap Sections & Detail 3."		
R292.	The pile length is the length provided by the contractor, this includes the 2.5 ft that is in the pile cap.	F	4
Q293.	Please clarify statement #2 on page 33 of the General specifications, refer to "Notice to Contractor -limitation of Contractor Operations." Will the contractor be required to work a minimum of six, ten hour days or is this an option?		

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R293.	Yes, the contractor is required to work a minimum of six, ten hour days with two crews.	F	4
Q294.	Please verify the quantity of Pre-Augering for piles within 15 feet of either side of the box culvert and storm drain.		
R294.	The drawings show a rough location of the box culvert and brick culvert. The contractor needs to count the piles on the pile plans for the cost estimate.	F	4
Q295.	According to bituminous coating contractors, the primer that will be applied to the piles is solvent based, making it insensitive to temperature restrictions. Please reevaluate the requirements to only coat in temperatures greater than 65 degrees.		
R295.	Primer only may be applied at temperatures less than 65 degrees.	F	4
Q296.	Addendum # 2 Added item # 0969015A Construction Field office (Type C) in one section, however in another section that same item was deleted. Please confirm if that item is added or deleted or just modified.		
R296.	The Item 0969015A - Construction Field office (Type C) was deleted from the Contract as a "per month" pay item and was then added back to the Contract as an "Est" pay item.	F	4
Q297.	There Is no specification for the 10' chain link fencing within the maintenance facility. Please provide.		
R297.	There is no requirement for a 10" chain link fence on this job. All site security fencing is 8' high and the applicable 816 specifications are already included in the contract documents. Please clarify with a reference to the exact drawing number or specification in question.	F	4
Q298.	The exterior building elevations shows 3 lines within the Architectural Precast Concrete; however the wall sections show the precast panels as smooth. Is there rustification within these panels?		
R298.	Yes, three equally spaced 1" v-grooves, as indicated on the wall sections. Drawing No. A1-321 (Sheet No. 388) is revised in Addendum No. 4 to include a detail and dimensions.	F	4
Q299.	Foundation Note 8 on S1-002 states that all underground foundations must be removed to 2 feet below bottom of structure at no additional cost. Usually, if the obstruction is unknown (wording specifically talks about "old foundations") there is a unit price for such removal. Please add a unit price bid item to the bid form in order to cover the removal of these foundations.		
R299.	Note 8 on Drawing S1-002 is revised in Addendum No. 4 as follows: "Old foundations may be encountered by the Contractor, such foundations shall be removed to a minimum of 2 feet below base of floor slab or as directed by the Engineer. Work to be paid under Item 0203102 "Structure Excavation – Rock (Complete)".	F	4
Q300.	Pit C is shown as 5 piles on the plan view (S1-005). The detail view on S1-048 shows Pit C to be 4 piles. Please clarify.		
R300.	The detail on S1-048 is correct. The final Pit C has 4 piles. Drawing S1-005-0.1 (Sheet 468-0.1) is revised in Addendum No. 4.	F	4
Q301.	Drawing S1-008 Ground Floor Plan 1 indicates an 8 inch cast in place concrete curb around perimeter of the building. Typical details on S1-045, S1-061 indicate a 6 inch curb. What is true curb height and can this be poured separate from floor slab?		
R301.	The curb is 8 inches wide and 6 inches high. Drawing S1-008-0.1 & S1-009-0 (Sheets 471-0.1 & 472-0) is revised in Addendum No. 4.	F	4
Q302.	Per the Notice to Contractors, Environmental Investigations Item 0101126A Disposal of Hazardous Waste is not anticipated to be used, but is included in the event it may be needed. Why not make it an ESTIMATED item with reimbursable cost? The same applies for item 0101176A Disposal of PCB Waste?		

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No.	Question Submitted	Status	Add. No.
R302.	Item 0101126A - Disposal of Hazardous Waste and Item 0101176A - Disposal of PCB Waste are standard ConnDOT Items and we can not change the pay units on a project by project basis. Therefore, they can not be made "Estimated" items. These items will be paid for based on the quantities encountered during construction.	F	4
Q303.	Test Pit TP-13 has a 66" Box Culvert at Southeast corner of the building at Elev. 5.182 ft. The 12 inch fire line and the 8 inch water line appear to be in conflict. Please clarify.		
R303.	See note 6 on Drawing UW-005 (Sheet 146) and note on Drawing UW-011 (Sheet 149) for guidance on routing the water lines over the culvert.	F	4
Q304.	The Sanitary Pump Station and Vault get installed on the Westside of the CCO shop at approx station 168+75 of the Access Road 150. This road is 20 ft wide (2-10 ft lanes). The Pump Station also gets a panel board and 4 inch vent installed on the building wall. These appear that they will encroach on the roadway. Please clarify.		
R304.	Striping shown on Drawing CS-002 (Sheet 069) will serve as a warning to drivers in the area. Install on the building as per Drawing UM-006-0 (Sheet 159-0).	F	4
Q305.	Reference bid item #0165343A Switchgear. Please clarify which equipment pieces should be included under this bid item?		
R305.	The CCO contract has two sets of switchgear, each consisting of switched and fused ways for supply to the CCO transformers, and, one piece of switchgear consisting of two switched ways and one fused way, for revised supply to the existing EMU shop, all as per the specification (including all items mentioned therein), and as shown on E1-901-0 (Sheet 800-0).	F	4
Q306.	Please clarify if schedule 40 or schedule 80 PVC conduit is required for the site electrical ductbanks. The bid item specification notes schedule 80 and utility drawing sheet 161 detail notes schedule 40 conduits.		
R306.	The PVC duct banks spec notes that all of the PVC in ductbanks will be schedule 80 unless noted otherwise. On Drawing UM-008-0 (sheet 161-0) there are two ductbanks where schedule 40 PVC conduits are required. These are for power from the building going out to the pump station and the pads at 480 volt, not the 13.2 kv which does require the schedule 80.	F	4
Q307.	Please provide a detail for the 12" +1-head condition shown on the aluminum frames on drawing A1-608.		
R307.	Window Head jamb and sill detail are added to drawing A1-608-0 (Sheet No. 419-0) in Addendum No. 4.	F	4
Q308.	Section 084113 2.2 d calls for 1-3/16" thick glazing. No 1-3/16" glass is shown on the glazing types 088100 2.2. Are there any locations where 1-3/16" glazing is required?		
R308.	There is no 1-3/16" glazing on this project. Section 08 41 13 Aluminum Framed Entrances and Storefronts is revised in Addendum No. 4.	F	4
Q309.	Window schedule A1/608 calls for 1" insulated glass. Glass types GL 4 and GL 6 are shown as not insulated. Which is correct?		
R309.	Laminated and Fire rated glass is required for interior windows, Window schedule on Drawing No. A1-608-0 (Sheet No. 419-0) is revised in Addendum No. 4.	F	4
Q310.	Reference Frame types W13 and W14 on A1/608: A. Frames call for glass type GL 6, which is fire rated. The aluminum frames shown are not rated. B. Please advise the rating required for these frames; 45 min, 60 min, ect.		
R310.	Frames are hollow metal and rated where required. 90 min fire rated glass is required. Window schedule on drawing A1-608-0 (Sheet 419-0) is revised in Addendum No. 4.	F	4

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Q311.	Reference 088100 2.2 glass types show a fire rated type 6a. We don't see this designated on the drawings. Please advise location.		
R311.	Fire rated glass is required at several interior window locations. Window schedule on drawing A1-608-0 (Sheet 419-0) is revised in Addendum No. 4.	F	4
Q312.	Reference 088100 J.4 calls for TGP designer series fire rated frames. Where are these located?		
R312.	Designer frames not included in the project. Section 08 81 00 Glass and Glazing is revised in Addendum No. 4.	F	4
Q313.	Reference 088100 K refers to bullet resistant glass. This is not shown on the glass types. Is this glass required? If so please advise location.		
R313.	Bullet resistant glass not included in project. Section 08 81 00 Glass and Glazing is revised in Addendum No. 4.	F	4
Q314.	Door schedule A1/601 shows some type A doors to receive insulated glass. Type A doors shown on A1/604 are solid doors with no glass. Please clarify.		
R314.	Door numbers 155, 156, 160, & 162 are to be type E doors with glazing. Door schedule on Drawing A1-601 -0.1 (Sheet 412-0.1) is revised in Addendum No. 4.	F	4
Q315.	Door types B and E on the door schedule A1/603 as shown do not receive any glass. Is this correct?		
R315.	Door types B & E have glazing. Door schedule on Drawing A1-601 -0.1 (Sheet 412-0.1) is revised in Addendum No. 4.	F	4
Q316.	Please advise what glass type is required for the interior frames shown on the interior elevations (types W11, 12, 17, 18, 19).		
R316.	W11, W12, W17 have laminated glass. W18 has 90 min. fire rated glass. W19 is an exterior window. Window schedule on drawing A1-608-0 (Sheet No. 419-0) is revised in Addendum No. 4.	F	4
Q317.	Reference the 3 Year Warranty on Flashing and Sheet Metal (07 60 00-2), the 3 Year Warranty on Aluminum Framed Entrances & Storefronts (08 41 13-3), the 5 Year Warranty on High Density Storage Equipment (10 56 21-2), the 5 Year Warranty on Loading Dock Equipment (11 13 00-2), and the 5 Year Warranty on Vehicle Hoists (14 45 00-2): Are these warranties manufacturer's warranties, or will the contractor be responsible for these warranties?		
R317.	In all cases the warranties are by the manufacturer and the installation Contractor. The Prime Contractor is ultimately responsible for all Contract work, including warrantees.	F	4
Q318.	Will this project require all the construction permits required for private projects? For example, building, electrical, plumbing, etc. If so, should the cost be included in the MLSI?		
R318.	This is a State project, the building is a Threshold building under the State Building Code, and is under the jurisdiction of the State Building Officials. Therefore, the Contractor shall only be required to apply for permits as outlined in the Contract. These include, but may not be limited to, a Municipal demolition permit, General permits for Stormwater and Dewatering Wastewater discharges, permits related to contaminated and hazardous waste transport/disposal, etc.	F	4
Q319.	Sheet 69 "Signing and Pavement Marking Plan-2" shows paved parking in the WSA area. Will this area require an overlay or demolition and new paving?		

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No.	Question Submitted	Status	Add. No.
R319.	The Contractor shall install Tack Coat and a 2" lift of Superpave 0.5" to the WSA area prior to striping. Please refer to Note 8 on Dwg # CP-006-0.1 (Sheet # 054-0.1) and Dwg #'s GC-041-0 & GC-042-0 (Sheet #'s 035-0 & 036-0).	F	4
Q320.	Will there be any Federal stimulus money used on this project that would require special reports by the contractor?		
R320.	Yes, there is stimulus money in this project. A new Notice to Contractor - AMERICAN RECOVERY AND REINVESTMENT ACT OF 2009 is included in Addendum No. 3, which describes the contractor requirements.	F	4
Q321.	Reference sheet S1-002 Cast-in-place concrete, Note 12: Do construction joints require a sealed joint? Are slab placement sizes limited by the maximum square footage that can effectively be placed in a shift, recognizing the specific location of the joints are controlled by minimum shear & a minimum distance between joints of 30? If yes, what is the depth of saw cut required and what pattern is required? Sheet S1-061 "Typical Wall & Slab Construction/Control Joint Detail" does not detail a sealed joint, only a hydrophilic waterstop at the underside of the slab. Sheets S1-008 & S1-009 do not specify saw cut joints in the ground floor structural slab. Are sawed & sealed joints required on ground or upper slab placements?		
R321.	All joints, including concrete to concrete, are to be sealed in accordance with specifications, refer to 079200 - Joint Sealants. This project uses structural slabs, slabs on grade and composite slabs. A saw cut joint is used in the slabs on grade. The ground floor of the CCO building has areas that are a one way slabs, such as between the tracks, and areas of two way slabs. The structural slab composite slab joints are construction joints and expansion joints. These slab placements are often limited to what can be completed in a shift taking into account air temperature and concrete type.	F	4
Q322.	Sheet A1-163, Detail 2: Note on grating reads "Typical Upper Platform Galv. Steel Grating". All other references on the A and the S drawings are for fiberglass. Confirm steel or fiberglass.		
R322.	Grating is fiber reinforced plastic (FRP). Drawing No. A1-163-0 (Sheet No. 365-0) is revised in Addendum No. 4.	F	4
Q323.	Sheets A1-111 and A1-112, vs. Sheet A1-611: A floor mat is shown at Door 1.56, Rm 102 on the Floor Plan A1-111 but not on the Floor Finishes Plan A1-611; while conversely a mat is shown at Door 1.43, Rm 151 on the Floor Finishes Plan A1-611 but not on the Floor Plan A1-112. Please clarify which drawing takes precedence or kindly add the missing mats to the respective drawings.		
R323.	The following answer is included in Addendum No. 5 and revises the answer previously issued in Addendum No. 4: Floor mats shown on Drawing A1-611 (Sheet 44) are correct including Door 1.56. Drawing A1-112-0.1 (Sheet 340-0.1) is revised in Addendum No 5.	F	5
Q324.	Wall Sections on Sheets A1-321 thru A1-328 vs. Detail 4 on Sheet A1-717: Detail 4 does not match the top of the walls on the wall sections. Please clarify the following differences: a) A two line rail in Detail 4 vs. a three line rail on the wall sections. b) The bottom of the rail post is swept in Detail 4 but square in the wall sections. c) The bottom of the rail is anchored into a structural steel tube in Detail 4 but into the plywood sheathing on the wall sections. d) The top twelve inches of the wall overhangs in the wall sections but is flush in Detail 4.		
R324.	Detail 4 on drawing A1-717 (Sheet 442) is revised in Addendum No. 4 to indicate the following: a) two line rail, b) square railing connection at bottom, c) anchored to steel tube, d) top 12" of wall has an overhang.	F	4

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No.	Question Submitted	Status	Add. No.
Q325.	The rail locations on the roof plans do not match up with the locations on the elevations. Please clarify the following differences: e) Elev. 1/Sht A1-201 shows a rail on the roof parapet from (2) to (10) but it is not called out on Plan Sheet A1-121. f) Elev. 2/Sht A1-203 does not show a rail on the parapet for the uppermost roof (LP Elev. 78'-5") from (F.4) to (C) but it is called out on Plan Sheets A1-121 and A1-122. g) Elev. 2/Sht A1-203 shows a rail on the parapet for the next roof level down (Elev. 63'-8") from (H.2) to (E) but it is not called out on Plan Sheets A1-121. h) Elev. 2/Sht A1-202 shows a rail on the stair tower parapet from (2) to (1) but it is not called out on Plan Sheets A1-121.		
R325.	Railings are in all locations. Drawings A1-201-0, A1-202-0, A1-203-0, A1-121, A1-122-0 (Sheets 379-0, 380-0, 381-0, 349, 350-0) are revised in Addendum No. 4.	F	4
Q326.	Reference A1-751: There are insufficient details, especially for the structural, on the Guard Booth. Revised Sheet S1-036 issued in Addenda 1 depicts the Guard Booth as a pre-engineered structure. This is in conflict with A1-751, notably the concrete masonry walls shown. Please clarify and provide a complete design.		
R326.	Item #0992035A - Guard Booth is revised in Addendum No. 4 to allow pre-engineered structure or a modular structure configured as shown on Drawing A1-751-0 and A1-751-1 (Sheets 449-0 and 449-1).	F	4
Q327.	Sheets A1-117 and A1-120: Rooms 318, and 427 appear to have shelving but it is not called out nor is there details. Please clarify.		
R327.	Shelving is not included in Contract.	F	4
Q328.	Specification Section 068200, 1.1.A.1 references "Floor grates for interior floor gutters". There are no grates or details identified on the drawings. Please clarify the extents and details for this work. (Note that there are a substantial amount of gutters shown inside the building on the floor plans and the plumbing plans, that there are no details shown for these gutters, and they appear as painted lines on the stripping plan issued in addenda 1.)		
R328.	Refer to the response to question 252. FRP floor grates shall be provided at interior gutters. Gratings are required at gutters, trench drains, sump pits, etc. as noted in the specifications. A typical embedded angle detail is shown on S1-046-0 (Sheet 509-0) and a trench drain cross section is shown on S1-045-0.1 (Sheet 508-0.1).	F	4
Q329.	Specification Section 06 82 00, 1.1.A.2 references "Floor grates for interior sump pits". There are no grates or details identified on the drawings. Please clarify the extents and details for this work. Also, please differentiate between the five 'Sump Pits' and the elevator sump pits.		
R329.	All floor grates for interior sump pits including elevator pit sumps require FRP floor grates. Section 06 82 00 - Fiberglass Reinforced Plastic Products is revised in Addendum No. 4.	F	4
Q330.	Sheet S1-149-0 (Issued in Addenda 1) and Sheet S1-009: Is grating required on the trench drains at the loading dock? Please provide details if required.		
R330.	Yes grating is required on all trench drains. Similar detail is the trench drain cross section shown on S1-045-0.1 (Sheet 508-0.1).	F	4
Q331.	Specification Section 10 24 13: There are no roller window shades identified on the drawings. Please provide extents and details.		

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R331.	Roller window shades are required for all rooms along the building perimeter with exterior glazing and all rooms over looking Room 102 inside of the shop. Section 12 24 13 Roller Window Shades is revised in Addendum No. 4.	F	4
Q332.	Specification Section 10 56 40: The location of the Haz Mat Building #9105 is not clearly identified. Are we to assume that it is located on the slab identified on Sheet CP-006 at the northeast corner of the shop? If so, then it is outside the limits of the MLSI and is to be paid for under the Form 816 items (See response 65 to the Questions and Answers posted on the CDOT site).		
R332.	Please refer to the revised response to Question 65, the Haz Mat Building (refer to HAZMAT STORAGE on plans) specified in CSI Section 10 56 40 IS included in the MLSI and is shown on Drawing CP-006-0 (Sheet 054-0).	F	4
Q333.	Specification Section 10 81 13: There are no bird control devices identified on the drawings. Please provide extents and details.		
R333.	Per Paragraph 1.1 of Section 10 81 13, Bird Control Devices, bird control will be required in the Running Repair Shop at the locations specified - ledges, I-beams, parapets, overhangs, pipes, signs and edges of roofs.	F	4
Q334.	Specification Section 06 8200, paragraph 2.4.B.1 specifies the exterior trench drain grating to be 2-1/2" deep. The Embedded Track Trench Drain Details on Sheet T-062 (Sheet 209) depicts 1-1/2" deep. Please clarify.		
R334.	Grating as exterior trench drain may be 1-1/2" deep. Section 06 82 00 - Fiberglass Reinforced Plastic products is revised in Addendum No. 4.	F	4
Q335.	Reference Parapet Cap Details: The design of the parapet cap detail shown on the architectural wall sections is different from the one shown at details 3 and 4 on Sheet A1-717.		
R335.	Please refer to the response to questions 324.	F	4
Q336.	Reference Blocking Details: Details 7 and 10 on Sheet A1-717 are not referenced on the roof plan. They appear to be for the roof-mounted stair leading to the shop roof at the west side of the building. Please confirm.		
R336.	These are details for all roof penetrating elements. Notes are added to Drawings A1-121-0 & A1-122-0.1 (Sheets 349-0 and 350-0.1) in Addendum No. 4.	F	4
Q337.	Reference Cold-Fluid-Applied Waterproofing (Spec Section 07 14 16) and Fluid -Applied Waterproofing (Spec Section 07 14 00): The specifications and details shown on S1-069 appear to be in conflict. The specification indicates that the waterproofing is to be applied to concrete after 28 days of cure. The drawings indicate the waterproofing is to be located on the blind side of the pit walls and floors. Application of the waterproofing to the pit walls would be possible prior to backfill, but how would the membrane be applied to the blind side of the slab after 28 days of cure? Is it the intention of the design to apply the cold-fluid-applied waterproofing to the exposed face of the slab/walls in the pits and the fluid applied waterproofing to be used at the blind side?		
R337.	The cold fluid applied waterproofing gets applied to the inside concrete of the pit walls and slabs. The fluid applied waterproofing is on the blind side of the pit walls and floor.	F	4
Q338.	Reference Hazmat Containment Pit: Will an environmental liner (i.e. fiberglass reinforced vinyl ester epoxy) be required for the hazardous material containment pit in Rm 152? There is no specification or notation shown on the drawing that would indicated an environmental liner is in the scope of work.		
R338.	No environmental liner is required at this location. A trowel applied polyurethane flooring system is currently specified for this location.	F	4

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No.	Question Submitted	Status	Add. No.
Q339.	Reference Extent of 4" Insulation: Detail 3 on sheet A1-716 shows 4" insulation at the building perimeter and refers to specifications for additional information. The specs do not indicate how far the 4" insulation extends underneath the Slab from the perimeter before the 2" insulation shown on sheet S1-069 (Waterproofing Details) begins. Please indicate how far the 4" insulation is to extend underneath the floor slab at the building perimeter.		
R339.	Extend 4" rigid insulation a minimum of 8'-0" from inside face of foundation beams. A note was added to the wall section on Drawing No. A1-321 (Sheet No. 388) in Addendum No. 4.	F	4
Q340.	Reference Tube Steel Framing Support System: The notes in the Architectural Wall Sections state that the "horizontal steel tube framing system for exterior wall panels (including louvers, windows, metal panels, translucent panels) [are to be] by panel manufacturer." Also, SECTION 07 42 63 -FABRICATED WALL PANEL SYSTEM indicates: The work of this Section includes, but is not limited to, the following... Designing, engineering and providing all framing elements, fasteners, connections. Further in the specification the SECONDARY SUPPORT FRAMING SYSTEM is explained as being incorporated in this work and the support system for the complete wall panel systems shall be designed and installed by the wall panel manufacturer. However, SECTION 05 40 00 -COLD-FORMED METAL FRAMING explains: The work of this section includes, but is not limited to, furnishing and installation of the following... Light gauge structural framing system for exterior walls above grade where indicated on the plans used for ... Backup for metal wall panels and elsewhere as indicated. This can be considered the horizontal tube steel framing system mentioned above. Additionally, the details shown on A1-716 Architectural Details referenced in the Architectural Wall Sections direct you to the Structural Drawings for the horizontal tube steel framing. The Structural Drawings show no horizontal tube steel framing and the associated CSI specification for the structural steel shown in these drawings, SECTION 05 10 00 - STRUCTURAL METAL FRAMING indicate this work encompasses Structural beams and columns at the Component Change Out Shop. Lastly, SECTION 08 45 00 -TRANSLUCENT PANEL WALL UNIT SYSTEM states that: This work includes furnishing and installing an ... Aluminum installation system. The work directly related to this section is Section 05 10 00 -Structural Metal Framing; steel tubes, attachment to framing.-Again the Structural Drawings do not show any horizontal tube steel framing and from above one would think this is installed by the metal panel contractor. Can the intended construction limits of each of these CSI sections be explained and more detail provided?		
R340.	Each specification refers to its own specific element and is indicated on the drawings. The secondary support framing is the responsibility of the panel manufacturer and installer. The requirements of Section 05 40 00, Cold-Formed Metal Framing, are for ancillary support products that may be required. The reference in Dwg A1-716 (Sheet 441), directing you to the Structural Drawings for the horizontal tube steel framing is removed in Addendum No. 4.	F	4
Q341.	Reference bid item #0204210A Handling Contaminated Groundwater - States that the Contractor shall not commence work activities within the Project Site until such time as the wastewater facility is up and running. Does this mean any activity, such as Clearing & Grubbing, the setup of the WSA, etc. Or just excavation related activities? What specifically does this provision preclude?		

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R341.	The Contractor shall not commence only those work activities requiring Dewatering prior to the dewatering treatment system becoming approved, permitted and operational.	F	4
Q342.	Ref: Spec section 033000, H. Tapered plate basket. From the information available this is a product that sits under the saw cut joint. Where and at what dimensions should there be saw cut joints?		
R342.	Reference R321. Saw cut joints are in the slab on grade. The slab on grade at the CCO building is located between column lines J and H.9, west of column line 1. Maximum spacing of contraction joints is 18'-0". Joints shall be cut as soon as concrete has cured adequately to support machinery, but not more than 4 hours after concrete finishing is complete. All joints are sealed per specifications, refer to 079200 - Joint Sealants. Joints are no larger than 1/8"x1/2". Contractor shall show all joints on shop drawings. For all other slab on grades, refer to Drawing No. CM-006-0 (Sheet 075-0).	F	4
Q343.	Plan Sheet 189 - 192: Please define the CCO contractor's responsibility with regard to the site communications work shown on referenced drawings. If this work is in scope, please provide the applicable specifications and payment items.		
R343.	Please refer to the response to question 266.	F	4
Q344.	Plan A1-151 Stair Detail shows Handrail all around the Platform and interior side. But detail 1/ A1-165 Section shows handrail only at interior side ONLY. It doesn't show the handrail wrap around the platform. Please confirm which detail we should follow.		
R344.	The following answer is included in Addendum No. 5 and revises the answer previously issued in Addendum No. 4: Handrail continues around platform as shown on Drawing No. A1-151-0.1 (Sheet No. 353-0.1). Install as per details on Drawing No. A1-168-0 (Sheet No. 370-0).	F	5
Q345.	Sheet # 011-0 note # 3 under demolition states all rail removed is to be stacked in a location designated by the engineer for use by MNRR. Bid scope for complete project indicates that all track removal is by MNRR. What is the scope of rail removal to be included by Contractor?		
R345.	All track removal will be by MNRR. In the unlikely event that the contractor hits buried rail during excavation, the rail shall be stacked in a location designated by the Engineer.	F	4
Q346.	Sheet # 044, # 045, # 046 and #047 has note for demolition and abandoning of existing underground gas, storm and electrical. Paid under which item?		
R346.	Removal of existing utility pipes shall be paid under the appropriate Trench Excavation item. Abandoning of existing utility piping will not be measured for payment. Please refer to Demolition Note 5 on Dwg # GG-011-0 (Sheet # 011-0).	F	4
Q347.	Item # 0980300A –Utility Monitoring states to include the installation of the lining. Subcontractors need more information for pricing.		
R347.	The lining was installed in a previous project and is not included. Specification 0980300A "Utility Monitoring" is revised in Addendum No. 4.	F	4
Q348.	Does Trench Excavation 0'-10' Deep (Item # 0205003) and Trench Excavation 0'-15' Deep (Item #0205005A) include trench work with-in the new Building footprint		
R348.	Please refer to the response to question 65.	F	4

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Q349.	We ordered the the discs for bidding purposes and cannot find the full complement of Structural Steel specs on them, or any painting specs. I also have a corrupt file on the Add 1 disc and cannot open the revised architectural drawings. I've been to the link you sent, but cannot see any reference to the specs.or addendums, just a price list.		
R349.	The original Contract DVD, and supplemental Addendum DVD's contain a whole series of CSI Specifications which contain the specifications you are looking for. Specifically CSI Division 5 & Division 9 specifications include the following: 051000 - Structural Metal Framing; 052000 - Metal Joists; 053000 - Metal Decking; 054000 - Cold-Formed Metal Framing; 055000 - Metal Fabrications; 055200 - Ornamental Handrails and Railings; 099100 - Painting; 099419 - Multicolor Interior Finishing.	F	4
Q350.	REF ITEM #0702079A – BITUMEN COATING FOR CONCRETE PILES - Regarding all other major pile projects in the rail yard, existing project piles have had no coating. If we are to find an alternate to this product as stated in the response to question 218, what is the specific purpose for coating these piles?		
R350.	Minimizes friction resulting in drag down of pile when upper soils settle.	F	4
Q351.	What rail lengths will be provided by MNR for the shop facilities?		
R351.	MNR will procure rail in 1400 ft lengths. Rail will be delivered to the site in lengths convenient for the railroad to transport. Lengths will vary.	F	4
Q352.	Will the rail be provided at the building site or will we have to move the rail from a storage location?		
R352.	MNR will provide the rail at the project site.	F	4
Q353.	What type of welds are acceptable Flash Butt or Thermite?		
R353.	Contractor shall not weld rails together.	F	4
Q354.	Please provide a detail rail installation at column 16 between the turntables and lifts?		
R354.	See Type 1 Rail Boot and Enclosed Flangeway detail on Dwg T-060-0 (Sheet 207-0).	F	4
Q355.	Who is the manufacture of the rail boot, removable gauge assembly with enclosed flangeway and the modified rail clips for rail boot?		
R355.	Refer to Spec 34 11 29 - EMBEDDED TRACK RAIL, Section 2.2.G, manufacturer is Santoprene.	F	4
Q356.	What specific rail end cuts will be required by the shop equipment lifts and turntable manufactures? Please provide any available drawings.		
R356.	Cuts to be determined by approved equipment manufacturer's shop drawings.	F	4
Q357.	Finish of Roof Deck: Specs Call out G60 and Shop Primed with Valspar 088107 (Sec.2.1 , Item B) and then Galvanized only (Sec 2.2, Item A.1) Drawings Call out Galvanized. What are we to use for the finish? If Galv./Painted option is required, is Valspar PMA1694 acceptable?		
R357.	Section 05 30 00 " Metal Decking", Section 2.2, Item A. 1 is revised in Addendum No. 4 to read “galvanized and shop primed”. The deck is galvanized and then prime painted.	F	4
Q358.	Floor Deck: Epicore or Composite The Specs call out Epicore (A) over the Shop areas and Composite over The other areas (Sec 2.1, Item D.2) Drawings call out Composite with no mention of Epicore anywhere. What should we use in this instance?		

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No.	Question Submitted	Status	Add. No.
R358.	Acoustic roof deck to be installed above Running Repair Shop as per Section 05 30 00- Metal Decking, 2.1., D.1.a. Acoustic composite floor deck to be installed at 2nd and 3rd floor above shop location as per Section 05 30 00- Metal Decking, 2.1., D.2.b.	F	4
Q359.	In the Specs, it calls out for a Valspar 88107 primer over Galvanizing. We can do this but the color of the primer is Green. Is this acceptable? I have attached a Spec sheet for your review.		
R359.	The color of the primer is not important because these decks will receive a final finish paint system.	F	4
Q360.	Sections 101100-2 and 101100-3 refer to items: porcelain-on-steel dry marker boards, combination marker board/projection surface and tack boards. The only items called out on the drawings are "Marker Board", please advise to which marker boards are porcelain-on-steel dry marker boards and which are combination marker board/projection surface. Additionally, please note locations of tack boards, as it appears to be not on the drawings.		
R360.	Section 10 11 00 - Visual Display Surface is revised in Addendum No. 4 to delete the combination marker board/projection surface boards and note that all marker boards shall be porcelain-on-steel dry marker boards, with the extreme 2 feet at each end of marker board to be cork homogenous tack board.	F	4
Q361.	The specified elevator system is for a dual jack roped hydraulic system for the 20,000Lb freight elevator. According to the design engineers, this capacity cannot be accommodated with a hole-less system. A conventional (in-ground) jack is the recommended solution. Is this acceptable?		
R361.	A conventional in-ground jack is not acceptable. Recommend contacting approved manufacturers listed in Section 14 20 00 , Hydraulic Elevators.	F	4
Q362.	Specification Section 11 11 00 2.5 Part #7650 notes 'Industries Senova Inc.' as a specified manufacturer. It appears that Industries Senova no longer exists. Please provide third alternate manufacturer.		
R362.	Industries Senova is still in business. We called the phone number in Section 11 11 00 - Train Maintenance Equipment and confirmed they make compression stands.	F	4
Q363.	2nd and 3rd floor plumbing plans show cleanouts for sanitary piping turned up to the floor above. Are these supposed to be floor cleanouts or just end-of-line cleanouts accessible from the above-ceiling space on the floor below?		
R363.	Per specification 221319 Sanitary Waste Piping Specialties, floor cleanouts with deck plates mounted flush with the finished floor shall be provided for piping below floors.	F	4
Q364.	Specification Section 11 90 00 described contractor work to remove, relocate and re-connect owner furnished equipment. Please provide cut sheets and utility requirements for all equipment noted in specification section 11 00 00 as Owner Furnished Contractor Installed.		
R364.	Please refer to response to Question 202.	F	4
Q365.	Spec Section 10 81 13 notes bird control devices, though none are depicted on the drawings. Please note required locations.		
R365.	Please refer to response to Question 333.	F	4
Q366.	Spec Section 11 52 13 describes projection screen, though none are depicted on the drawings. Please note required locations.		

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No.	Question Submitted	Status	Add. No.
R366.	Projection screens are located in the following conference, training, and meeting rooms:267A, 310, 344,345, 342, 346, 434, 438, 439, 441,442A, 445A. CSI Specification 11 52 13 - Projection Screens is revised in Addendum No. 4 and a note was added to Drawings A1-173, A1-174-0, A1-177 (Sheets 373, 374-0, 377) in Addendum No. 4.	F	4
Q367.	Spec Section 12 24 13 describes Roller Window Shades, though none are depicted on the drawings. Please note required locations.		
R367.	Please refer to response to Question 331.	F	4
Q368.	Spec Sec 10 56 40 HazMat Storage Buildings Eqmt #7150 calls for steel floor grating, but, also states that the locker will be used for storage and charging of vehicle batteries. We would suggest Fiberglass grating, HDPE sump liner, and an exhaust fan. Please issue an Addendum if required.		
R368.	No specification changes will be made.	F	4
Q369.	Spec Sec 10 56 40 HazMat Storage Buildings Eqmt #9105 - The 22' building calls for a convection heater, to maintain an internal temperature of 50 deg F. They also call for a NEMA 4X microprocessor-based controller for heating, cooling and heating/cooling applications. The controller must have keypad programming, with LCD readout of internal temperature and set point. Can you please clarify and or provide the names of companies that you would approve of that can do this.		
R369.	Hazmat storage building subcomponents to be selected and integrated per hazmat storage building manufacturer. Hazmat storage building Prime Manufacturer listed does not use proprietary sources for hazmat storage building subcomponents.	F	4
Q370.	Sheet No. 292-2-0: I believe the cable quantities for circuits N1 through N8 and conduit nos. CCON1 through CCON22 are incorrect. In referencing the following sheet nos: 271-2-0 (Negative Terminal Cabinet), 271-23-0 (Negative Bus Enclosure), 318-0 (Manhole Negative Bus). All show one 2000 KCMIL cable in each conduit. Six total incoming to HH-18 and three spare conduits. Also the 500 KCMIL cable shown for circuits N3, N4 & N5 should be 2000KCMIL. In summarizing, all the cables shown for conduit nos. CCON1 through CCON22 should be 2000 KCMIL and all the quantities should be one for each conduit.		
R370.	The following answer is included in Addendum No. 5 and revises the answer previously issued in Addendum No. 4: Cables for circuits N1 through N8 are all a single 2000 KCMIL cables. Drawing P-512-2-0 (Sheet 292-2-0) is revised in Addendum No 5.	F	5
Q371.	Under Environmental Investigations" pages 142-143, TCLP lead concentrations of 5 PPM coupled with PCB concentrations of 1 PPM or greater have been documented in the New Haven Rail Yard. While it is anticipated according to this section that these contaminants are not expected to be found within the project work zone, they have never the less been identified. Furthermore, under "'Environmental Health & Safety" on page 454, this section specifies that a HASP meeting the requirements of 29 CFR 1910.120 & 1926.65 is to be developed for work under "LEVEL C' conditions. Barring any other site characterization data or information, the lead and PCB levels are sufficiently low and as such only appear to present a skin absorption challenge to workers, not an inhalation or ingestion issue. The level C classification speaks to a detrimental / hazardous airborne environment requiring respirators, medical evaluations, fit testing, personal monitoring and more extensive training to name a few elements of a comprehensive respiratory protection program. Given these and only these low lead and PCB levels, should a "modified level D" classification be considered (Putting workers in protective clothing, gloves & boots without requiring respirators)?		

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R371.	The special provision for Item No. 0101000A, "Environmental Health and Safety" does not require the contractor to use Level C. Rather, it specifies that personnel monitored under the medical surveillance program are identified in the Health and Safety Plan (HASP) as being physically able to use Level C protection. It is the contractor's responsibility to write a HASP based on the information and data obtained in the Task 210 Investigation Reports, and based on what can be anticipated to be encountered in the field as the contractor conducts his work. As the work progresses in the field, and in the event that the contractor's health and safety officer (HSO) determines that levels need to be increased or decreased, the contractor shall be prepared to enlist his workers in any Level as he deems necessary. If the workers are not trained to a specific Level that becomes needed/required, the contractor must stop work until the appropriate Level is addressed.	F	4
Q372.	Please advise on Addendum-1 sheet-485-0 drawing-S1-022-0 between column lines 19 & 20 you show a steel opening that is approximately 18'-8" x 18'-8" and you callout a skylight in this opening. When you turn to sheet-350 drawing-A1-122 you show a skylight that has a dimension of 2'-1" wide and 14'-0" length which is much smaller than the steel opening you callout. Please advise which skylight dimension will be used for this opening.		
R372.	This skylight is 6' wide. The dimensions on Drawing No. A1-122-0.1 (Sheet No. 350-0.1) is revised in Addendum No. 4.	F	4
Q373.	On sheet-350 drawing A1-122 you show the dimension of 6'-4" width for the shed skylight. When you look on sheet-444 drawing-A1-719 you show the width as being 7'-1". Which is correct.		
R373.	Both are correct, the 7'-1" dimension on Dwg No. A1-719 (Sheet No. 444) is the height dimension.	F	4
Q374.	On sheet-444 drawing-A1-719 elevation-4 you show the end wall of the skylight as being hipped, but on elevation-1 above elevation-4 you show a regular shed roof end wall of the skylight. Would you like a shed roof with a kalwall end wall provided or would you like a hip roof end wall provided.		
R374.	The elevations shows a shed roof with straight translucent panel end wall.	F	4
Q375.	In section 084513-1 part 1.3 line-A you call for us to submit (Form 816). We cannot locate this form in our spec. or addendum. Can you please provide this form or tell us where we can find this form.		
R375.	Please note that Form 816 is the "State of Connecticut Department of Transportation - Standards Specifications for Roads, Bridges and Incidental Construction - FORM 816". The Form 816 and current supplements can be viewed on the Department's website at http://www.ct.gov/dot/cwp/view.asp?a=3609&q=430362 . Hardcopies of the 816 can also be picked up for \$16 at Pascone Place, Newington, CT, Contracts Plan Sale Location, or they can be mailed for \$20.00. A copy of the order form can be found at http://www.ct.gov/dot/LIB/dot/Documents/dcontracts/orderform.pdf .	F	4
Q376.	Is this job prevailing wage or union.		
R376.	All ConnDOT projects require use of Prevailing Wages (Federal & State Wages).	F	4
Q377.	Please advise if there are any special FM wind loads/ loads that must be taken into consideration for this job.		
R377.	Wind design data is listed on Dwg. No. S1-001-0 (Sheet 464-0) and FM Global requirements are listed in specifications.	F	4
Q378.	Please advise on sheet-443 drawing-A1-718 you show a curb detail that is 1'0" wide. At the top of this curb detail you show a steel channel and don't call it out the size and thickness. Can you please provide the steel channel size and thickness.		
R378.	Channel size shall be by skylight manufacturer. Our requirement is the 12" minimum height.	F	4

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Q379.	In section 084513-2 part H line-1. Warranties start from the day of installation completion. What do you mean by "Issuance of the certificate of compliance"		
R379.	Warranties do not start at the day installation is complete for ConnDOT Projects. Please refer to the definition of "Certificate of Compliance" in Section 1.01.01, pg 1, of the Form 816. The following Sections of the Form 816 also provide additional information regarding the Certificate of Compliance: 1.08.12 - Final Inspection (pgs 76-77); 1.20-1.00 - General (pgs 105-106); 1.20-1.05.25 - Schedules and Reports, sub heading 1 (pgs 188-119), 1.20-1.06.08 - Warranties (pgs 121-124); and 1.20-1.08.11- Final Cleaning Up (pgs 132-133).	F	4
Q380.	Please note: you call for a light transmission of 20% and a solar heat gain coefficient of .20, but you show a U-factor of .29 non-thermally broken panel in the spec. I believe you meant to say .23 U-factor which means it come thermally broken. Is this the correct U-factor?		
R380.	The .29 U is the correct U-factor. This is an FM requirement for the listed roof system.	F	4
Q381.	On the drawings you callout both a 6/12 and a 4/12 roof pitch for the skylights. Which is correct for these skylights.		
R381.	The 6/12 roof pitch is correct. Addendum No. 4 will remove the 4/12 roof pitch from Drawing No. A1-718-0 (Sheet No. 443-0).	F	4
Q382.	Please Note: section 084513-5 part E & F you state that it should pass a class-A roof and it must be listed as (FM). When classifying a roof as (FM) the class-A part of the roof is included in the (FM) classification. You cannot have both tags on the unit. Please note: the spec. would have to be changed by addendum to say as you do already in part-F of the specification only.		
R382.	Part E and F are both required and the specification will not be changed. Class A Roof Test by UL 790 and Factory Mutual Listed 4471 are both contractual requirements for the Insulated Translucent Sandwich Panel Skylight System as detailed in Section 08 45 13. If the Factory Mutual certification lists UL 790 compliance, both the requirement are satisfied.	F	4
Q383.	Could you let me know if it's possible for us to come out and take measurements on the New Haven cars? We would appreciate if you could let me know as soon as possible.		
R383.	No, it is not possible to go to the Railyard and take measurements of the New Haven Cars. However, if you can provide which cars, and what specific dimensions you are looking for, we may be able to provide them.	F	4
Q384.	Specification Section 341129 Embedded Track Rail: It appears that paragraph 2.2.H.3a has been truncated. Please provide the missing information.		
R384.	Missing information is: "rail clips and bolts, one enclosed-flangeway gauge insert and Class A concrete backfill. The floor slab and self-leveling grout may be simulated by any combination of concrete and metal elements." Specification Section 34 11 29 - Embedded Track Rail is revised in Addendum No. 4.	F	4
Q385.	Sheet No. 210 in Volume 1 (Drawing No. T-063): How is the east end (field side of the apron slab) of the Type IV Embedded Track to be Left? Note 3 only applies to Tracks 94, 95 & 96.		
R385.	The rail at the east end of the shop on the truck track north of Column Line G is to extend to a point 12 inches from the east end of the apron slab. Section 34 11 29 - Embedded Track Rail is revised in Addendum No. 4.	F	4
Q386.	The structural drawings show an independent building - the Cylinder Storage Building -which is not within the 5ft footprint of the CCO shop. Is this structure considered part of the MLSI or should a separate pay item be created?		
R386.	Please refer to the response to Question 332 and the revised response to Questions 65.	F	4

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Q387.	In the plans it states that the rail materials for the Embedded Track Rail bid item #341129 are to be furnished by MNR. Does this material furnished by MNR include the rail boots, shims, clips, wedges and all rail accessories? Are the anchor bolts and plates the only items to be furnished by the Contractor?		
R387.	MNR is only furnishing the rail.	F	4
Q388.	Concerning the Substation Foundation Cable Vault: Is payment for the 16" square precast piles for this foundation to be included in bid item # 0000812A or are these piling covered by the Unit Price bid items # 0702355A & 0702396A for Precast Piling? What is the desired capacity of these piles? Along this same line, piling are shown under the saddle foundations for the 40,000 gal Above Ground Kerosene Storage Tank # 0100081A. Are these piling covered by unit prices for the 16in Precast Piling and if so, what bearing capacity is required?		
R388.	Substation Foundation Cable Vault: Payment for the 16" square precast piles for this foundation is to be included in Item No. 0702355 - FURNISH 16" PRESTRESSED CONCRETE PILES and Item No. 0702396A - DRIVING PRESTRESSED CONCRETE PILES. Item No. 0100081A – ABOVE GROUND KEROSENE STORAGE TANK is a 2,000 gallon tank (not a 40,000 gallon tank as referenced in the question) that will be supported on saddles anchored to a concrete foundation. No piles are required. The kerosene tank is supported by a freestanding slab on grade, refer to Drawing No. CM-006-0 (Sheet No. 075-0). CSI 221219 - FACILITY ABOVE GROUND WASTE-WATER STORAGE TANK is a 40,000 gallon tank that will be supported on saddles and pile caps. Concrete Piles shall be paid for under both Item No. 0702355 - FURNISH 16" PRESTRESSED CONCRETE PILES and Item No. 0702396A - DRIVING PRESTRESSED CONCRETE PILES. Refer to Drawing No. UM-022 (Sheet No. 171) for details. The piles for the project are in the structural set. Pile capacities are shown in the general notes on Drawing No. S1-002-0 (Sheet No. 465-0). All piles have a minimum allowable bearing capacity of 50 tons. The pile elevation and details are shown on Drawing Nos. S1-040-0 thru S1-043-0 (Sheet Nos. 503-0 thru 506-0). Structures that have pile foundations are the CCO building, the traction power substation vault and the 40,000 gal. above ground storage tank.		
Q389.	Per Specification 075400 Thermoplastic Membrane Roofing 2.1.B Insulation: Assembled system shall have a slope of no less than 1/4 inch per foot with a starting thickness at the drains of 1-1/2 inches. Architectural Details on A1-717 and A1-718 indicate the minimum roof insulation thickness to be 4 inches. Please clarify which minimum thickness is correct.		
R389.	Section 07 54 00 - Thermoplastic Membrane Roofing, is revised in Addendum No. 4 to read "4" minimum as per Drawing Nos. A1-717 and A1-718-0 (Sheet Nos. 442 and 443-0).	F	4

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No.	Question Submitted	Status	Add. No.
Q390.	<p>Electrical Drawings Questions (drawing number, note or detail #): a. Dwg 135, Note 3 -We assume this means duct bank extending from EV-3 to EV-2?</p> <p>b. Dwg 135, Note 10-There is no information regarding what specific cables are to be abandoned/replaced. Are there multiple 15kV circuits? Will there be one circuit per pole as indicated on SH 162? The note shows two riser pole locations, but these are not near to the note showing the duct bank to be replaced. Are there manholes at each end of this run where the riser poles will be located?</p> <p>c. Dwg 136, Note 1 -We assume this refers to extension of duct run to EV-2 on Sh 135.?</p> <p>d. Dwg 136, Note 14 -Is MH-8, located at the end on the duct run shown elsewhere?</p> <p>e. Dwg 137, Note 1 -Does installation of EMH-105 also include installation of the duct banks connected to it?</p> <p>f. Dwg 162, Pole Riser details -Lightning arrestors (Item 12) missing from pole equipment list. Are they required?</p> <p>g. Dwg 163, Where is the Pump Station located?</p> <p>h. Dwg 184, Illumination details -Decorative lights listed as 120V not 480V, please confirm correct voltage?</p> <p>i. Dwg 185, Illumination detail 4, Circuit breakers shown, but duct runs show all new lights connected to circuit # 3, is this the correct intent?</p> <p>j. Dwg 186, Illumination detail 6, Junction box wiring is not clear. It would appear to show individual wiring to 12 different luminaries but we found 13 luminaries, all wired in daisy-chain fashion on circuit #3. Junction box hubs show cords for several luminaries e.g. 6 thru 12 odd numbered. What does this mean? Where does power pole cord go?</p> <p>k. Dwgs 788-796, Car Lift Schematic and MCC Plans -Where is the Master Control Panel located?</p> <p>l. Dwg 800, 15kV Routing Plan & One-Line Diagram Routing Plans on original drawing have been removed. Has this been added to a new drawing?</p> <p>m. Dwgs 872-0>872-4, Details 1, 2 Is 94B C.C. Box the position switches for the derail? Is 94B NWPR a "vital relay"? What is the solar array for? Is there a schematic showing solenoid connections, pressure switch and proximity switch connections shown on Micro Controller?</p>		

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- R390.**
- Correct
 - Poles, overhead wires and abandoned utilities are missing from Dwg. No. UE-006 (Sheet No. 136) and were added in Addendum No. 4. There will be one circuit per pole as indicated on Dwg. No. UM-009-0.1 (Sheet No. 162-0.1). Yes, there are existing manholes located at each end of the run.
 - Correct, this refers to extension of duct run to EV-2 on Sh 135.
 - No, it is not shown elsewhere.
 - No, it only includes the installation of the manhole.
 - Yes, they are required. The Drawing is revised in Addendum No. 6 to include the lighting arrestors.
 - Refer to Drawing No. UE-006 (Sheet No. 136) for location.
 - The correct voltage for the decorative lighting is 480V, to be consistent with the rest of the lighting system. Drawing No. I-024-0 (Sheet 184-0) is revised in Addendum No. 6.
 - The extra circuit breakers are for future New Haven Rail Yard projects that will be using the same illumination cabinet.
 - Illumination detail 6 is the junction box in the highmast illumination pole. The wiring shows the internal wiring connecting the wires up the pole to the individual lights on the luminaire ring. This junction box will be supplied by the manufacturer and the sheet was included in the plan set for informational purposes only.
 - Refer to Dwg E1-111-0 thru E1-113 (Sheet Nos. 724-0 thru 726), First Floor Plans.
 - No – Routing Plan has been eliminated.
 - The symbol on sheet 872-2 labeled "94B C. C. Box" represents the vital circuit controller for the position of the derail.
The symbol on sheet 872-2 labeled 94B NWPR represents a vital relay.
The solar array provides energy to the battery charger which powers the unit.
The appropriate schematic would need to be provided by the actual vendor from which the unit is purchased. (The solenoid connections, pressure switch and proximity switch connections shown on Micro Controller should be prewired by the vendor providing the switch machine and Micro Controller.)

F

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- Q391.** Electrical Specifications Questions (spec sect & subheading, para, page, or item #): a. #0100284A DC Power Substation: Tran & Rect, P16 -This appears to refer to a dry type transformer design, not oil filled -please clarify.
- 260913 Electrical Power Monitoring & Control: 2) Will utilize UPS source. Is this a dedicated system or can it be connected to other UPS systems in the building? 6) Compatible with MNR existing system -need to know what this system is? 6) Provide circuit breaker status and control - Which breakers? 8) Separately mounted instrument for power monitoring and control in NEMA 1 cabinet has extensive specifications implying a specific device has been picked out. What supplier is to furnish this device?
 - 262713 Electricity Metering: 4) Provide PC based software to meter and allocate costs to numerous locations. To figure these costs we will need to know where these are located and do they each have two sources to meter? What is a modular meter center?
 - 263600 Transfer Switches: 8) Annunciation, Control & Programming -Not familiar with a standard product for this, but Eaton for one, has remote capability, indicating a remote cabinet is possible. Where would this be located relative to the transfer switch? Does this control panel also serve as the remote annunciator panel described in 2.4 D?
 - 283111 Digital, Addressable Fire Alarm System: 12) Provide firefighters two way telephone service -Where is this located? 12) Provide remote annunciator -Where is this located?

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No.	Question Submitted	Status	Add. No.
R391.	<p>a. The use of the Transformer door Interlock, device No. 33T/T is still applicable. P16a states “upon opening of any rectifier transformer enclosure panel” this includes oil filled.</p> <p>b. Section 26 09 13 - Electrical Power Monitoring and Control: 2) Dedicated system. 6) Coordinate with MNR. 6) All breakers within switchgear. 8) Specification is generic.</p> <p>c. Section 26 27 13 - Electricity Metering: 4) Modular meter center can accommodate a number of meters and also be capable of adding additional meters if required.</p> <p>d. Section 26 36 00 - Transfer Switches: 8) Locate in vicinity of transfer switch involved. It does not take the place of that indicated in 2.4 D.</p> <p>e. Section Digital, Addressable Fire-Alarm System 28 31 11: Dwg. E1-001 (Sheet No. 722) indicates the two-way phone symbol and all the Fire Detection Plan Dwgs, D1-111 through D1-433, (Sheets Nos. 844 through 867) indicate the required locations. Also as indicated on the fire detection plan dwgs, both annunciators are identified on Dwg D1-001-0 (Sheet No. 841-0) . One annunciator location is shown on Dwg D1-122-0 (Sheet No. 848-0) with other Contract Documents identifying that the second annunciator is located in the exterior Guard Booth; see civil plan sheets for Guard Booth location, Dwg CP-007-0.1 (Sheet No. 055-0.1) .</p>	F	5
Q392.	Masonry Questions: 1) Detail A1-156/1, CL 19 shows wall type 3.2. All other walls surrounding Elevators #3 & #4 are type 13.2. Should the one on 19 line also be 13.2? 2) Wall type 20.2 was deleted in addendum #2. Detail A1-501-0/5 shows remains of 20.2. What wall type is expected at this location?		
R392.	<p>1. All walls around elevators 3 & 4 are type 13.2 including one labeled 3.2 on column line 19. This is a drafting typo, Drawing No. A1-156-0.1 (Sheet 358-0.1) is revised in Addendum No. 6.</p> <p>2. Addendum No 2 included a note on partition type 20 that states all type 20 partitions are now type 13 partitions.</p>	F	5
Q393.	<p>Steel Questions: 1. Please clarify detail 1/S1-0290 -Does the C15 on top of the W33 require a weld or is it to be field bolted with the crane rail hold downs?</p> <p>2. Sheet 477 The columns that support second floor mezzanine are not in the columns schedule for the columns on the north end of the mezzanine at column lines 4, 5, 6?</p> <p>3. Please clarify. Spec. 0510000, 2.1 I & 2.3 A. requires shop priming of all steel except that to be welded. Does this include steel to receive spray on fire proofing? If so does it and the steel encased in concrete require the top coat as well? Do these same items require an SSPC SP6 cleaning as well?</p> <p>4. Can the AISC qualification for the erector be waived?</p> <p>5. Please confirm that column F.2-22 is to go to the roof structure, as per the column schedule shows.</p> <p>6. Please verify if the fireproofing notes, sheet # 325 Item B 1, refers to the crane runway beams and channels for the Intumescent fireproofing.</p>		
R393.	<p>1. The channel on the W section is a combination section. It is shop fabricated with continuous welds per AISC standard practices.</p> <p>2. The column size is W10x33. Drawing No. S1-014-0 (Sheet No. 477-0) was revised in Addendum No. 4 to show this.</p> <p>3. Spec Section 05 10 00 - Structural Metal Framing, was modified in Addendum No. 4 to clarify what steel requires priming and painting.</p> <p>4. No, the AISC qualification for the erector can not be waived.</p> <p>5. Column F.2-22 stops at the 2nd floor, Dwg. No. S1-50-0.1 (Sheet No. 513-0.1) was revised in Addendum No. 4.</p> <p>6. The crane runway beams and channels are not structural steel members and do not require fireproofing.</p>	F	5

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No.	Question Submitted	Status	Add. No.
Q394.	Room Finish Schedule From Addendum No 2, Questions: 1. Room M168A has a floor finish of R for rubber base. Please clarify. 2. Room 200G has a base of P for paint. Please clarify. 3. Stair 209 has a floor finish of P for paint. Please clarify. 4. Stair 209 has a base of P for paint. Please clarify. 5. Room 235B what finishes are required? 6. Room 293A what finishes are required? 7. Room 371A the cold storage room: Does it get painted or is it to have a pre-finished paint from the factory? 8. Room 430A has a floor finish of R for rubber base. Please clarify. 9. Room 433C has a closet in it, what finishes are to be used?		
R394.	1. Room M168A: Rubber base as indicated. 2. Room 200G: paint as indicated. 3. Stair 209: rubber floor not paint. 4. Stair 209: rubber base not paint. 5. Room 235B Men's Locker Room Restroom: finishes to match Women's Locker Room Restroom (237B), added to schedule. 6. Room 293A: added to schedule. 7. Room 371A Cold Storage has no floor finish. 8. Room 430A Men's Locker Room: rubber base. 9. Room 433C closet is Room 433F and finishes are on the schedule. All finishes will be on revised finish schedule on Drawing Nos. A1-619-0 & A1-610-0 (Sheets 420-0 & 421-0) were revised in Addendum 4.	F	5
Q395.	Concrete Encasement of Columns for Fireproofing: Do the columns at the second floor "bridge" in the shop get encased in concrete? The fire protection notes indicate that they do but encasement is not shown on the architectural drawings. See sheets A1-104.1, A1-301, and A1-302. Also, the fire protection notes indicate that columns on the second floor shop areas are to be fully encased. The architectural drawings show the encasement stopping at 44'-0". See sheets A1-104.1 and A1-323. Please clarify.		
R395.	Yes the columns for the second floor bridge are encased in concrete as noted on Drawing No. A1-104.1 (Sheet No. 325). Concrete encasement of columns in the Running Repair Shop Room 102 stops at 44'-0". Columns on second floor are encased full height as noted on drawing A1-104.2 (Sheet No. 326). Drawing No. A1-323 (Sheet No 390) is revised in Addendum No 5.	F	5
Q396.	Column Schedule: We can not locate G.6-4, G.6-5, G.6-6 on the column schedule. Please advise.		
R396.	The column size is W10x33. Drawing No. S1-014-0 (Sheet No. 477-0) is revised in Addendum No. 4 to show this.	F	5
Q397.	Room 166A: The enlarged plan for detail 1 on sheet A1-507 shows room 166A. We can not locate this on the floor plans. Please advise.		
R397.	Room No. is M166A as per title on Drawing No. A1-507-0 (Sheet No. 407-0).	F	5
Q398.	Intumescent Paint: The exposed roof structure in the shop areas are to be painted. Is this an intumescent or a dryfall type paint?		
R398.	The exposed roof deck above the shops only requires a paint system and does not require intumescent fireproofing. Refer to the Specification 09 91 00 Painting, for the proper coating system.	F	5

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No.	Question Submitted	Status	Add. No.
Q399.	Specification section 10 81 13 Bird Control Devices paragraph 1.1 A states Strip type antilanding device where indicated on Drawings and Schedules as required by field conditions as deterrents for pigeons and larger birds', please advise where these devices are illustrated on the existing drawings and if they are not, please provide drawings illustrating their location(s).		
R399.	Please refer to the response to question 333.	F	5
Q400.	Drawing A-1 903, sheet 458 illustrates a lunch room furniture schedule however it does not state who is responsible to furnish and place/install these items. The schedule under model states "SEE SPECIFICATIONS". Please provide who is responsible to furnish and/or to place/install these items. In addition please provide the referenced specifications.		
R400.	The Contractor is not responsible for furnishing, placing or installing lunch room furniture.	F	5
Q401.	Specification section 12 24 13 Roller Window Shades 1.1 A states ""The work of this section includes overhead mounted, manually operated sun control shades for exterior windows indicated to receive shades at the Component Change Out Shop". Please advise where these roller shades are illustrated on the existing drawings and if they are not, please provide drawing(s) illustrating their location(s).		
R401.	Please refer to the response to question 331.	F	5
Q402.	I have reviewed the specification for the above referenced project and noticed that you have specified mechanically attached PVC membrane in specification section 075400-5. I am writing to ask you to consider including Versico Roofing Systems, the third largest single ply roofing manufacturer in the US, in your specification for the above referenced project. Your inclusion of our product in this specification results in several benefits: - Versico offers a complete system - complete with tapes, accessories, insulation, metal edging, etc. All components will be covered under the roof system warranty. - Versico has millions of square feet of warranted installations in this area and has technical and sales support willing to work for you to make this a successful project. To help support your decision, I've included: - CSI Substitution Request Form. Please review and if at all possible, please include this product in your next addendum. - A data sheet on Versico PVC.		
R402.	All products specified in this Contract, with the exception of the security access control and intrusion detection system are specified as "or equal" products. This means the prime Contractor that is awarded the project can submit shop drawings that contain products by any manufacturer that meets the requirements of the Contract. The Designer will review these products and approve them for use if they meet all contractual requirements on the plans and in the specifications. For specification 07 54 00, Part 2.1.A includes the "or equal" language. Although we understand your concern, it is impossible to add every possible manufacturer to every specification. Therefore, no changes will be made by Addendum.	F	5
Q403.	Our company is planning to bid the above referenced project. Spec section 07 1400 Fluid Applied Waterproofing, calls for a membrane waterproofing to be applied, however, I couldn't match any bid item with that section. Can you please clarify.		
R403.	There is no individual bid item associated with CSI Specification Section 07 14 00 - Fluid Applied Waterproofing, the costs for this item are include in the major lump sum item for the project, Item 0100150A - Maintenance Facility. Please refer to the Notice to Contractor - Measurement and Payment and Item 0100150A - Maintenance Facility for additional information.	F	5

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No.	Question Submitted	Status	Add. No.
Q404.	Does the facility that produces the precast concrete piles for this project need to be certified by CT DOT, or does it simply need to produce the piles in accordance with PCI and the job specifications? If it does need to be certified by CTDOT please advise as to the section of the CT COT Standard Specifications for Roads, Bridges, and incidental Construction or other manual which explains the requirements the plant must follow to get and be certified.		
R404.	The facility needs to be certified by ConnDOT. To be certified the facility must show ConnDOT Materials Section that it meets all the requirements of Form 816 for precast prestressed piles.	F	5
Q405.	This is a request to add our material to your specification. We provide Dow Roofing Systems 60 mil Viento +™ field sheet membrane is a scrim reinforced, premium roofing membrane based on Dupont Elvaloy, ketone ethylene ester, and meets the ASTM D-4434-96 specification for PVC-based roofing membranes. This system will be mechanically attached, installed by a certified applicator and includes a 20 year NDL manufacturer's warranty.		
R405.	All products specified in this Contract, with the exception of the security access control and intrusion detection system are specified as "or equal" products. This means the prime Contractor that is awarded the project can submit shop drawings that contain products by any manufacturer that meets the requirements of the Contract. The Designer will review these products and approve them for use if they meet all contractual requirements on the plans and in the specifications. For specification 07 54 00, Part 2.1.A includes the "or equal" language. Although we understand your concern, it is impossible to add every possible manufacturer to every specification. Therefore, no changes will be made by Addendum.	F	5
Q406.	Details 3 and 4/A1-717 show a vertical and horizontal tube system at the roof parapet to support the fiberglass railings. These members are not shown on the structural drawings. These tubes are called out as HSS 4 x 2 x? More section cuts are required to quantify this item and the spacing of the verticals is not given. Also fastening details are missing. Please provide the missing information.		
R406.	The railing is mounted to horizontal tube at back of girt system. Detail on Drawing No. A1-717-0 (Sheet No. 442-0) is revised in Addendum No. 5 to indicate additional guard rail support sizing, spacing and mounting requirements.	F	5
Q407.	Reference drawing A1-121. Section 2A/A1-323 is cut through column line 3. There is no detail labeled 2A. I assume that the continuation of the wall sections to the right of detail 2 should be labeled 2A. Is this assumption correct?		
R407.	Drawing No. A1-121 (Sheet No. 349) is revised in Addendum No. 4 to indicate section 2/A1-323.	F	5
Q408.	The top of wall at section 2 shows a fiberglass rail side mounted to the parapet. The plan view of this area on drawing A1-121 does not show a railing at that location. Is the section correct or is the plan view correct?		
R408.	Please refer to the response to question 325.	F	5
Q409.	Section 2/A1-323 shows a L3" x 3" corner guard at the column. The detail to the left of cut above the second floor does not show a corner guard at the same column. Are corner guards only required at the first floor?		
R409.	Steel corner guards are required at all concrete encased columns as per typical detail 9/A1-722 (Sheet No. 447).	F	5
Q410.	Reference drawing A1-121 at column H and to the right of column line 2 there is an up and over stair that details are not provided for. For bidding purposes I would like this stair to be identified as fiberglass, steel or aluminum so that it can be priced accordingly.		
R410.	Please refer to the response to question 256. This stair is Fiberglass.	F	5

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No.	Question Submitted	Status	Add. No.
Q411.	Addenda #2 clarified that all interior bollards are 6" diameter. I did not see any response to a previous question as to weight of the bollards. The structural details call them schedule 40 and section 05 50 00-8 item P calls for bollards to be schedule 80. Please advise what is required.		
R411.	The bollards will be 6 inch diameter schedule 40. Section 05 50 00 "Metal Fabrication" will be modified.	F	5
Q412.	Typically the columns around the building perimeter bear directly on the pile caps. There are, however some that do not. As an example: At column D.6-22 the bottom of base plate is listed at elev 8'-6" (-1'-11") and the top of the pile cap PC-7 at that location is at elev 4'-5" (-5'-11"). Will a pilaster and or additional reinforcing be required?		
R412.	The column is supported on the foundation beam. The foundation beam transfers the load to the pilecap.	F	5
Q413.	074263 -1.4 Quality Assurance - Paragraph D "Subdivision of work", Question: Will the awarded general contractor be allowed to subcontract to multiple sub-contractors, and multiple manufactures for this entire scope (ie: metal panel, secondary supports, integrated windows, integrated translucent panels) in lieu of single building envelope contractor / manufacture.		
R413.	Fabricated Wall Panel components must be integrated in the fabrication stage so that the building envelope system is coordinated by one set of engineers, detailers and project managers. The coordinated package along with integrated accessories have been specifically designed to be used together to ensure consistency in air and water infiltration performance as well as thermal performance. Also, components that have been designed to work together minimize the number of connection joints and in turn reduce the need for field applied, exposed sealants and the associated on-going maintenance required for the wall system. Non-integrated components are not allowed.	F	5
Q414.	Special Provisions Item -Notice to Contractor-Restricted Access to Security Contract Documents Page 2 - General - The fourth (4) paragraphs in the above reference section states "The Contractor will be required to sign a Confidentiality statement furnished by the Engineer that requires the Contractor to agree to limit further distribution of these plans and specifications to only those parties that are required to possess the documents in order to perform Contract work. Making additional copies of these plans and specifications is prohibited." Can the Contractors be provided with the Confidentiality statement prior to submitting a bid proposal?		
R414.	No, there is no need to supply the confidentiality statement prior to handing out the security documents.	F	5
Q415.	Regarding question/response 117 in addendum 2, if the security system is going to be "sole sourced" by the Department, how will this affect the DBE participation goal? Should the apparent low bidder make note of this exception in the utilization plan? Will the goal be adjusted to reflect this requirement?		
R415.	No, sole sourcing the security system will not affect the DBE participation goal. This is a very minor component of a very large project. It should not be noted on the utilization plan, nor will the DBE goal be adjusted to reflect this requirement.	F	5
Q416.	Per Addendum 3, page 5, the approved disposal facilities for the disposal of the hazardous waste are all non-DBE firms, thus affecting the overall participation goal. Should the apparent low bidder make note of this exception In the utilization plan?		
R416.	No, this should not be noted on the utilization plan, nor will the DBE goal be adjusted to reflect this requirement. This is a very minor component of a very large project. The Department has already substantially reduced the DBE goal from a typical project.	F	5
Q417.	Column F.4-6 required to support crane on S1-028 is not shown on the column schedule. It should start at level 46'-0" (2nd floor mezzanine).		
R417.	Column F.4-6 is W14x68. Drawing No. S1-028 (Sheet No. 491) is revised in Addendum No. 4.	F	5

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Q418.	Please clarify the type of primer & prep. required for the structural steel. There is conflicting information in the specs. The structural steel spec, Section 051000 2.1 J 1 states Tnemec 394 & Ia. Tnemec 27 for intumescent. Section 051000.3 B. 1 states SP6 blast. The paint specs 099100 3.5 A. 12 structural steel Tnemec Series 115. There are significant cost differences between these paints and SP6 blast is not required for Series 115. Please clarify prep. & paint required.		
R418.	The Specification Section 05 10 00 "Structural Metal Framing" is where the paint for structural steel is specified along with the steel preparation. The paint specification 09 91 00 "Painting" specifies the finish paint coat for structural steel that has received the shop applied primer and intermediate coats. This would be the beams and joists in the running repair shop roof and other structural steel in the running repair shop not indicated to receive intumescent fireproofing. Specifications 09 91 00 - Painting and 05 10 00 - Structural Metal Framing are modified in Addendum No 5 to clarify this issue.	F	5
Q419.	Please clarify if shop splicing would be allowed for the W36 x 135 & W 36 X 230 roof beams as shown on (SI-018 & 81-019). There is a significant cost associated with the purchase of these beams at over 90'-0. Additional saving can be achieved with shop splicing of shorter lengths.		
R419.	Shop splicing of the long span roof beams is permitted, subject to review by the Designer. The capacity at the splice shall not be less than 100% of the design strength of the member spliced. Splices shall be away from the location of maximum moment. The contractor shall provided calculations with a Conn. PE stamp along with the shop drawings for approval.	F	5
Q420.	Revised Question - Question/response #7 in addendum 2: If the security system is "sole sourced" by the Department, how will the DBE participation goal be affected? Will the goal be adjusted downward by the value of the security system to reflect this requirement? Should the apparent low bidder make note of this exception in the utilization plan?		
R420.	Sole sourcing the security system will not affect the DBE participation goal. This is a very minor component of a very large project. It should not be noted on the utilization plan, nor will the DBE goal be adjusted to reflect this requirement.	F	5
Q421.	Revised Question - Per Addendum 3, page 5: Will the approved disposal facilities accept hazardous waste from any trucking firm utilized by the contractor, whether DBE or non-DBE? If not, please provide a list of trucking firms from which the approved facilities will accept hazardous waste.		
R421.	As required by the Special Provision for Item 0202317A, "Disposal of Hazardous Materials", hazardous waste must be transported from the Project by a licensed hazardous waste transporter. Prior to the generation of any hazardous waste, the contractor shall notify the Engineer of its selected hazardous waste transporter and submit the following: 1. Transporter's current US DOT Certificate of Registration; 2. Transporter's current Hazardous Waste Transporter Permits for the State of Connecticut, the hazardous waste destination state and any other applicable states. The trucking firm may or may not be a DBE.	F	5
Q422.	Item #0992035A - Guard Booth. The specifications calls for the guard booth to be a low-maintenance corrosive resistant aluminum factory fabricated building. However drawing A1-751 (sheet 449-0) shows the guard booth to be constructed on site with an exterior wall system of concrete masonry units with a composite metal wall panel. If the guard booth is to be constructed on site as show on the drawings, please provide a structural framing plan for the roof, a mechanical & electrical plan, and room/door schedule.		
R422.	Specification Item #0992035A - Guard Booth is revised in Addendum No. 4 to provide for Modular construction.	F	5

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Q423.	Please advise which plan sheets show details on the following pay items: 0063530A – Proximity Card Access Reader; 0063531A – Lift Gate Controller; 0063532A – Control Cabinet.		
R423.	The proximity card readers are shown on the security Drawing Nos. W1-000 thru W1-701 (Sheet Nos. R001 through R015) and specified in the security specifications Section 28 13 00 "Access Control" and 28 16 00 "Intrusion Detection". The security drawings show the proximity card interface at the guard booth lanes to the parking gate controller system. The lift gate controller is part of the parking control system at the guard booth and is specified as part of the lift gate system in Specification #0063531A " Lift Gate Controller", see Guard Booth Drawing Nos. A1-75-0 and A1-751-1 (Sheet Nos. 449-0 and 449-1) and for location of Guard Booth refer to Drawing No. CP-007-0.1 (Sheet No. 005-0.1).	F	5
Q424.	Item #0100081A Above Ground Kerosene Tank (revised 2/24/09) this item is also duplicated in CSI Section #335613 which is to be included in the MLS Item #0100150A. Which item number do we include this?		
R424.	Use Item specification #0100081A "Above Ground Kerosene Tank" , CSI Section 33 56 13 "Above Ground Fuel Storage Tank" was deleted from the Contract in Addendum No 1.	F	5
Q425.	May bid item 0702079A, Bitumen Coating for Concrete Piles, be applied in conformance with the manufacturer's recommendation? Please note that the manufacturer's recommendations may differ from the required construction methods in provided provisions.		
R425.	The product manufacturer's recommendations may be followed if they differ from the Contract requirements subject to approval by the Engineer.	F	5
Q426.	Does the DOT intend to use the new bituminous specification issued in Jan. 2009 for the laydown and plant production, for the superpave bituminous, in its entirety? (ie incentives, disincentives, notch wedge, MTV use, core correlation...)		
R426.	The latest version of the Bituminous Concrete Materials specification, dated 1/13/09, is included in the Contract (see Page 192 of the original Contract). The Superpave Design Level information in the original Contract (see Page 150) is still valid, as the 0.5 inch and 1 inch mix designs called for are still valid in the newer version of the Table.	F	5
Q427.	Contained within the drawings issued for Addendum #1 is drawing P-102-1. This drawing shows two 112.5kVA Control Power transformers fed from the 13.8kV Switchgear. The secondary (low voltage), side of these two 112.5kVA Transformers fed a 400 Amp 208V Auto transformer switch. This Transfer Swtch is correctly sized since the Full Load current of each of the 112.5kVA Transformers is 312.5 Amps. The auto transfer switch is shown feeding a 400 Amp 120/208Volt Panel board referenced with a note to see drawing P-102-26.		

The Panel board is actually shown on drawing P-102-24 and on drawing P-102-24 the Panel board is referenced as being fed from drawing P-102-1. The Panel board shown on drawing P-102-24 is however rated at 200 Amp since the Main Breaker is 200 Amp not 400 Amp as is referenced on drawing P-102-1.

If this Panel board is indeed only 200 Amp, the Control Power Transformers and the Auto Transfer Switch are sized to large.

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No.	Question Submitted	Status	Add. No.
R427.	The reference to P-102-26 shown on Drawing No. P-102-1 (Sheet No. 271-26) for the 400-A, 208/120-Vac panelboard AC-1 should be P-102-24. The reference to P-102-1 shown on Drawing No. P-102-24 (Sheet No. 271-24) for the feed for 400-A, 208/120-Vac panelboard AC-1 is correct. The 112.5-kVA rating of the auxiliary transformers is the minimum rating available for the 13.8-kV-208/120-Vac voltage rating. The designer has indicated that the larger rating of the ATS is to accommodate inrush currents during transfer. The design should be implemented as shown in the contract documents with the considerations cited above.	F	5
Q428.	Plan Sheet No. 221 and Related Wire/Structure Details Spec. The plans, sections, and details do not provide sufficient information regarding relative clearances between the new catenary wire 1S1N its structures/hardware and existing conditions. Additionally no phasing information exists to ensure work can be performed within the contract prescribed outages. a.) Confirm that no conflicts exist between the proposed new structures/wires and existing. b.) Provide the basis of design proposed construction sequence for installation and tensioning 1S1N, during prescribed outages, while maintaining service on the existing track/wire. c.) Advise on whether new catenary is to be set to elevation prior to track modifications and advise on phasing of MNRR track shift relative to catenary installation/cut-over. d.) Confirm MNRR to permit contractor to perform cut-in/splice of wire currently in service.		
R428.	Contractor to provide a Systems Installation Plan (Specification #0090042A "Catenary System") to show sequence of work for MNR approval. a. The layout of the new catenary has been coordinated with the existing system. b. Contractor to provide a Systems Installation Plan to show the proposed sequence of catenary construction prior to commencing work for MNR approval. Wire tension for wire spliced into 1S1N should have the same tension as the existing wire. c. New catenary elevations are shown in the catenary drawings. d. Confirmed, MNRR will permit contractor to perform cut-in/splice of wire currently in service.	F	5
Q429.	Plan Sheet No.s 232,236,276 Spec. Clarification is required on details for support of Disconnect Switch Assemblies on structures NY-10 and WY-93 (Mod). The information, contained on sheet 232, for existing structure WY-93 is insufficient to assess whether the existing switch support is to be reused, nor is there direction to otherwise provide new switch support steel. The schedule for NY-10, on sheet 236, indicates a catenary disconnect switch assembly, CDSA-1, however no support details or assembly details are apparent. Neither structure is configured as illustrated on sheet 276, Disconnect Switch and Sectionalizing Jumper Tabs. please provide details.		
R429.	WY-93 utilizes an existing disconnect switch and support bracket. Existing jumper to be transferred onto the new catenary. NY-10 will require additional details. Drawing No. P-207-0 (Sheet No. 276-0) is revised in Addendum No. 6.	F	5

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No.	Question Submitted	Status	Add. No.
Q430.	Plan Sheet No.s 220, 221 Spec. Additional information is required regarding execution of cased concrete foundations for catenary poles, struts, and down guys. The design documents do not provide sufficient clarity to identify the proximity of drilled shaft work relative to existing structures or overhead obstructions. Conventional drilling equipment (such as the Bauer BG Series) may require 80' of overhead clearance and a clear/level drilling area of 20' X 40' as well as the ability to travel and swing. Confirm that no drilled shafts are encumbered or require special low headroom equipment. Whereas all overhead wires are not clearly indicated, with respect to drilled shaft locations, advise on which foundations will be restricted by track and power outages.		
R430.	NY-7 is located under a highway bridge with 30 feet of underbridge clearance. All other existing features are shown on the catenary Drawing Nos. E-024 through E-031 (Sheet Nos. 220 through 223) and civil Drawing Nos. CP-004 through CP-007-0.1 (Sheet Nos. 052 through 055-0.1) Contractor to coordinate outages with MNR.	F	5
Q431.	To what elevation do we apply the dampproofing on the concrete encased columns as specified in section 071013?		
R431.	Concrete encased columns shall be painted per specification Section 05 10 00 - Structural Metal Framing included in Addendum No 4. Specification Section 09 91 00 - Painting is revised in Addendum No 5.	F	5
Q432.	Please provide a detail for the concrete column encasement including dimensions and reinforcement requirements.		
R432.	Reinforcement detail shown on Drawing S1-064 (Sheet No. 527) and minimum concrete coverage shown on detail 9 drawing A1-722	F	5
Q433.	Plan Sheet No. Spec. Page No. 074263 a) The Fabricated Wall Panel System specification section 074263 states that all components are to be engineering to be 'integrated' with the metal panel system. Will non-integrated components be allowed for use within the wall system using break metal and flashing, provided the total wall system will still meet the performance criteria? b) The vertical wall panel specification section 074263 specifies a 3" thick panel with an integrated 6" reveal. Will a flat (non-reveal) metal panel, or a panel with a reveal other than 6" be accepted as an equal to the specification?		
R433.	See previous response for questions 290 and 291.	F	5
Q434.	Clarification is required for the signage on the project. The sign types C,D,E and F indicated on drawing A1-805 represent an exterior type, and would be required on the exterior of the building which is not indicated.		
R434.	Clarification provided on signage drawings. Drawings A1-801-0.1, A1-802-0.1, A1-803-0.1, A1-804-0.1, A1-805-0, A1-805-1 (Sheet Nos. 450-0.1, 451-0.1, 452-0.1, 453-0.1, 454-0, 454-1) are revised in Addendum No. 4.	F	5
Q435.	On A1-801-0 thru A1-804-0, there is a legend that includes: a. Directory b. Elevator lobby signage c. Conference room signage The specifications do not provide sizes and specifications for these signs?		
R435.	a. Directory sign described in question response 191. b. & c. Refer to question 192 and 193 responses. Specification Section 10 14 00 "Signage" is revised in Addendum No 5.	F	5

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No.	Question Submitted	Status	Add. No.
Q436.	Exit Graphics- is this to be a sign as indicated in the specification or painted as indicated on drawing A1-805?		
R436.	Exit graphics to be painted directly to wall as indicated on Drawing No. A1-805-0 (Sheet No. 454-0).	F	5
Q437.	Is it assumed correctly that the sign locations are as indicated per plan A1-801-0 thru A1-804-0 only?		
R437.	Signage locations are indicated on the Drawing Nos. A1-801-0.1 thru A1-805-1 and in the signage Specification Section 10 14 00 "Signage", Other signage is required and located in the MEP specifications. Signage Drawing Nos. A1-801-0.1 thru A1-805-1 (Sheet Nos. 450-0.1 through 454-1) are revised in Addendum No 4.	F	5
Q438.	The columns along "J" line are to be concrete encased up to approx. 40 ft and Intumescent Mastic fireproofing applied from the elevation up to the underside of the roof at elevation 58'-8". What is not shown or mentioned in the project documents is the cross bracing framing along "J" line. Are they to be rated the same as the columns? If so, what type of Fireproofing material is to be applied?		
R438.	Cross bracing does not require fire proofing.	F	5
Q439.	Drawing A1-104.1 Fireproofing Notes Item B.1 states: 2nd floor beams above Truck Shop, Bridge & 1st Floor Shop Areas is to be Intumescent Mastic Fireproofing . Are Room 140A, 140B & 140C to be considered as part of the 1st Floor Shop Area?		
R439.	Yes, they are part of the shop floor area.	F	5
Q440.	Are there interior windows in room 123? If so , please provide window types.		
R440.	Refer to response for question 109.	F	5
Q441.	Drawing E1-711 Typical Heat Trace Detail. What specification section covers this equipment? Is the equipment provided by the plumbing contactor and installed by the electrical contactor?		
R441.	There is no specification for the heat tracing, Drawing E1-711 provides enough detail for a Contractor to provide the basic project requirements. The equipment is shown on the electrical plan dwgs and detailed on Dwg E1-711 with the intent of being provided and installed by the Electrical Contractor.	F	5
Q442.	Drawing E1-715-0 Typical Electrical Equipment Disconnect. Detail shows Nema 4x stainless steel enclosure. Are all disconnects and enclosed switches required to be stainless steel?		
R442.	The only mention of "NEMA 4X Stainless Steel" found on this particular dwg references the "typical miscellaneous electrical equipment disconnect (exterior)"; the intent of this detail's mentioned "concrete pad" was to identify all exterior applications found at exterior grade. Otherwise, see Specification 26 28 16 "Enclosed Switches and Circuit Breakers" Part 2.7.	F	5
Q443.	Specification section 26 28 16 - Enclosed Switches and circuit breakers. Part 2.7 defines specific enclosure types, what areas of the building require types 4, 12 and 7 enclosures?		
R443.	The Contractor shall install materials to at least minimum Code requirements; additional requirements are intended for Section 26 28 16 "Enclosed Switches and Circuit Breakers" Part 2.7 A3 for the plan dwg identified "wp" weaterproof locations, 2.7 A4 is where industrial equipment, indicated on the industrial Drawing Nos. I1-000 through I1-216 (Sheet Nos. 919 through 940), are subject to the specification mentioned items, 2.7 A5 is for plan dwg identified hazardous locations.	F	5

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Q444.	Drawing E1-715-0 - Typical Welder Disconnects. Please provide specification or manufacturer for the 4 and 5 pole welding receptacles, no specifications is included in section 26 27 26 - wiring devices.		
R444.	The Contractor awarded the project is to provide a shop drawing of the proposed manufacturer. A specific specification is not required because the NEC references standard NEMA receptacle configurations. Also, the Contractor shall coordinate and refer to Specification Section 11 24 00 "General Shop Equipment" because the welding receptacle shall "mate" with the approved welding equipment.	F	5
Q445.	1. We can not locate any specifications for low voltage Motor Control Centers. Do any exist? 2. We can not locate any specifications for low voltage Busway. Do any exist? 3. Which trade is responsible for the TPSS enclosure and equipment within it?		
R445.	1. Specification 26 24 19 for low voltage Motor Control Centers is provided in Addendum No. 5. Dwg No. E1-717-0 (Sheet No. 794-0) indicates building system motor control center. Also, the requirements for the C-Lift mcc's are specified under the industrial equipment Contract Documents per Dwg E1-719 Note 2. 2. Dwg's E1-720, E1-721, and E1-722 indicate details for the 600V bus. Also, see Specification 26 25 00. 3. The General Contractor is responsible for the overall Contract and shall be responsible for coordinating the scope of work between his various subcontractors.	F	5
Q446.	Section 28 31 11 Digital Addressable Fire Alarm System. Section 2.7 Notification Appliances, Paragraph B. Chimes Output, Vibrating Type 110-dBA minimum noted output. 1. Is Chimes Output required and if this is required, can a manufacturer and product be specified? Will this be required throughout the whole complex or in the office environment only? 2. Is there a requirement to provide Mass Notification devices such as Amber strobes and certain voice commands for Emergencies per future NFPA and Homeland Security requirements for this type of transportation facility?		
R446.	1. Several available manufacturers are named in 28 31 11 Part 2.1. The entire complex must be covered by the installed system. 2. The Contract Documents require conformance with meeting the latest adopted edition of NFPA 72 as noted on dwg D1-111 (sheet 844) and specification section 28 31 11 - Digital, Addressable Fire - Alarm System.	F	5
Q447.	Items #0000652A-#0000359A Duct Banks. Please clarify: Underground Duct Work Item: A. All underground duct work shall be Nema type DB 60 TC-6, concrete encased. All underground duct work shall be schedule 80 PVC unless noted otherwise. It appears to indicate that DB 60 should be used for encasement.		
R447.	Items 0000652A – 0000359A Duct Banks is revised in Addendum No. 5 to indicate that all underground duct work shall be schedule 80 PVC unless otherwise noted.	F	5
Q448.	Does the DOT intend to use the new bituminous specification issued in Jan. 2009 for the laydown and plant production, for the superpave bituminous, in its entirety? (ie incentives, disincentives, notch wedge, MTV use, core correlation...)		
R448.	New Specification is included in Contract. Refer to response 426.	F	5
Q449.	Note 6 on drawing E1-002-0.1(Electrical one line diagram) references drawing E1-005. Sheet E1-000 (Electrical index of drawings) does not list drawing E1-005 as being part of the bidding documents. Please advise.		
R449.	Note 6 is revised in Addendum No. 6 to reference drawing E1-705 instead of E1-005.	F	5

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No.	Question Submitted	Status	Add. No.
Q450.	1. Specification section 211313-12, C.1 references ESFR heads; these are typically used in lies of rack sprinklers. The only mention of storage racks is on FP 001 in reference to the Drum Storage room #152. As the FP and architectural drawings do not show these racks I am assuming that it has been determined that addition coverage is required. Is it acceptable to use ESFR heads in this location instead of an "in rack" sprinkler system? 2. As there are not any additional notes or requirements in the specification or on the FP and architectural drawings referencing rack storage can we assume this is the area for which the ESFR reference was added?		
R450.	1. ESFR heads shall be installed for in-rack protection in the Storage Room 140 (See Drawing No. F1-601 (Sheet No. 625)). Room 152 shall have only ceiling protection. 2. See Drawing No. F1-601 (Sheet No. 625) and Industrial drawings I1 Series for location of storage racks.	F	5
Q451.	Response # R297 requested location of 10' Chain link Fencing location on drawing. Location of 10' high chain link fencing & sliding gate is shown on Drawing A1-111-0 along column line J between 8 & 9-7.		
R451.	Chain link fence requirements within the Maintenance Facility will be added in Addendum No. 6.	F	5
Q452.	The panel specification 074263 calls for 3 custom colors. Please identify the locations of these colors.		
R452.	Panel colors are added to drawing A1-202-0.2 (sheet 380-0.2) in Addendum No. 5.	F	5
Q453.	Question #291 confirms that the wall panel as specified in 074263 must have a 6" reveal. Can the depth of the reveal be 13/16" in lieu of the of the 2" as shown on the contract drawings.		
R453.	The reveal will be as shown in the design documents.	F	5
Q454.	1. Specification section 080800.3.1.A.1. This specification sections references that interior and exterior doors are to receive the ASTM E 783 "Air Infiltration" test. With over 400 doors on this project, this testing would be a very costly item (over \$ 700,000) for this item alone. One of the few certified ASTM testing consultants in the Northeast indicated that typically there are a percentage of doors to be tested instead of every door. 2. Specification section 080800.3.1A2 The ASTM E 783 is the correct test for air infiltration; however this test should be accompanied by ASTM E 1105 to achieve the standard to compare to ASTM E 331.		
R454.	CSI Specifications 07 08 00 - Commissioning of Thermal and Moisture Protection & 08 08 00 - Commissioning of Openings are revised in Addendum No 5 to note the following: 1. Only exterior doors will be subject to field tests in accordance with ASTM E 783 "Air Infiltration" and only 10% of the exterior doors selected by the Engineer will be tested (Note that 10% of the applicable windows will also be the sampled as noted in other CSI Specifications). 2. The bidder is correct. ASTM E 331 is a lab test, whereas ASTM E 1105 is the equivalent field test which will be performed by the contractor.	F	5

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Q455.	Questions on Addendum 2 finish schedule. 1. Room #126A & 127A Floor calls for rubber and the base calls for rubber and sanitary cove ceramic tile is this correct? If this is correct where is the ceramic tile located? 2. Room # 206 Thru 208 & 210 Thru 215 Calls for RPCB in the base column. What is RPCB? 3. Room # M168B & M169B Floor calls for ceramic tile and the base calls for rubber please verify this is correct? 4. Room # 366 thru 3730 calls for sanitary cove ceramic tile & CMU base. Please clarify where each is located? 5. Room # 430A & 433A Calls for rubber floor and ceramic tile base is this correct? 6. Room # 430E Calls for ceramic tile floor and rubber base is this correct?		
R455.	Room finish schedules which are shown on dwgs A1-609-0.2 (sheet 420-0.2) and A1-610-0.2 (sheet 421-0.2) have been revised in Addendum No. 5 as follows: 1) Floor material to be ceramic tile with rubber and sanitary cove base. 2) Use ECB (epoxy resin cove base) for these rooms. 3) Floor material to be ceramic tile with ceramic tile base. 4) The base of the CMU is coved. 5) Floor material to be rubber with rubber base. 6) Floor material to be ceramic tile with ceramic tile base.	F	5
Q456.	As the bid drawings are schematic representations and not intended as a basis for design, may I assume that the OS&Y, Alarm, Dry and Pre-action valve sizes shown on FP-801 are for reference only and not intended to dictate calculated pipe or valve sizes. Would this assumption also hold true for the stand pipe systems in stairwells #1, 4, 5 & 6?		
R456.	The sizes shown on the referenced drawing are for the standpipes and are based on preliminary calculations. Any changes justified by hydraulic calculations may be acceptable with the approval of the Designer.	F	5
Q457.	FP-703 shows roller type hanger assemblies for pipe 4-inch and larger. Is this correct? Would the use of a roller hanger not be countered due to the installation of seismic restraints? Additionally, this application is stated to be used for uninsulated pipe, whereas 21 05 00-4, paragraph 3.1 J stipulates that the piping be installed to allow for the application of insulation. Typically you do not insulate sprinkler piping unless it is subject to freeze. Please clarify.		
R457.	Do not use roller hangers. Disregard the referenced line from specification Section 21 05 00 "Common Work Results for Fire Suppression" and do not insulate fire protection piping. Section 21 05 00 "Common Work Results for Fire Suppression" is revised in Addendum No 5.	F	5
Q458.	21 13 16-4 2.2 stipulates the use of Galvanized Steel pipe and the types of fittings to be used with the Galvanized pipe on the Dry pipe systems. It is my interpretation of this section that Galvanized fittings are not required, is this correct?		
R458.	All fittings associated with galvanized piping shall be galvanized.	F	5

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Q459.	Will dry pendent heads be required for the pre-action systems? I do not see anything in the specification which would require them and it is not a requirement of the NFPA but some underwriters may request them on a job by job basis.		
R459.	Use upright sprinklers in all applications. Occasionally pendent sprinkler head may be used where there is an obstruction.	F	5
Q460.	Will a NICET Certified Layout Technician (Level III or IV) meet the design requirement or are requiring a PE?		
R460.	See Specification Section 28 31 11 "Digital, Addressable Fire-Alarm System", Part 1.5 B, states that the shop dwgs shall be prepared by a NICET Level IV minimum and also has to hold a license or certification recognized by the AHJ. Additionally, Part 1.5 E, indicates that the submittal has to be sealed by a PE.	F	5
Q461.	Specification Section 21 13 13-12, C.1 references ESFR heads, these are typically used in lieu of in rack sprinklers. The only mention of Storage Racks is on FP 001 and reference to the Drum Storage Room #152. As the FP and Architectural drawings do not show these racks I am assuming that it has been determined that additional coverage is required. Is it acceptable to use ESFR heads in this location instead of an in rack sprinkler system? As there are not any additional notes or requirements in the specification or on the FP and Architectural drawings referencing rack storage can we assume this is the area for which the ESFR reference was added?		
R461.	Refer to response for Q450.	F	5
Q462.	Do the concrete ductbanks need to be constructed with forming material? (ie lumber and or form panels)?		
R462.	Forming materials are not required. The Duct Bank specifications, Items 0000352A thru Item 0000597A is modified in Addendum No 5 to provide clarification.	F	5
Q463.	Item No. 0980300A-Utility Monitoring page 692, inspection and repair of culverts, para. 2, indicates "to make repairs after post construction TV inspection at no additional cost to the CT DOT". How are bidders to determine a cost at bid time when the scope of work cannot be determined? Would the State consider assigning an estimated cost value which would include the cost of future repairs and the by-pass pumping associated with the repair work?		
R463.	No. The pre- and post-construction inspections will be used to verify the conditions of these culverts and assess if construction activities have resulted in damage. Note in NTC – CONSTRUCTION OVER EXISTING TWIN BOX CULVERT AND 66-INCH BRICK CULVERT that the Contractor is responsible for choosing provisions to ensure that the culverts are not damaged. Repair, at the Contractor's expense, will only relate to items that have changed between inspections that can be attributed to construction activities.	F	5
Q464.	Specification Section 0833001.1A.5. calls for the lock cylinders to be specified in section # 087100; however this section says all hardware is to be supplied under section 08331. Please provide lockset cylinder information.		
R464.	Please refer to Section 08 71 00 "Paragraph 2.4 Keying, subparagraph A. 7 pin small format interchangeable core cylinders.	F	5
Q465.	Is Builder's Risk Insurance required for this project?		
R465.	Structural Injury and Builder's Risk insurance is required. A revised Special Provision to Section 1.03.07 of Form 816 is included in Addendum No 5, which outlines the requirements. Significant changes to the Contract will include higher limits for General and Protective Liability insurance, and will require Builder's Risk for 50% of the Bid.	F	5

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No.	Question Submitted	Status	Add. No.
Q466.	Some of the specifications include warranties for longer than 12 months (example: 07 42 63-5 paragraph 1.8.B.1 has 5 years from date of issuance of the certificate of compliance, 07 42 63-5&6 paragraph 1.8.C.1 has 20 years from date of issuance of the certificate of compliance, etc.). The wording of the warranty paragraph states "Provide written warranty signed by manufacturer, installer and Contractor...". As a contractor we have no problem assigning or passing on manufacturers and installer warranties, but do have an issue with signing long term warranties. Please note, bonding companies are also unwilling to write bonds for contractors on products for more than 12 months, and should they allow an exception charge a monthly surcharge on the bond cost for every month over 12 months or will simply not write a bond for a general contractor. Will the owner consider changing the language to allow all warranties over 12 months as a pass through warranty only (not signed by the general contractor)?		
R466.	The Contractor will not be required to countersign long term special warrantees as Section 1.20-1.06.08 Subsection g of the Form 816 states. Section 1.20-1.06.08, subsection g, of the Form 816 is deleted from the Contract in Addendum No. 5.	F	5
Q467.	Detail 4/A1-717 TYP Guard Rail to Parapet does not agree with Wall Sections as shown on A1-321, 322, 323, 324, 325-0, 326. Wall sections show what appears to be metal studs at soffit, while (incorrectly named) 4/A1-321 shows an entirely different parapet. Please provide correct detail.		
R467.	Roof guard rail detail coordinated between detail 4/A1-717 and walls sections on dwgs A1-321 thru A1-326 in Addendum No. 4. Additional railing information is added to detail 4/A1-717-0.1 (sheet 442-0.1) in Addendum No. 5.	F	5
Q468.	Please clarify the meaning of Specification Section 21 13 16, 2.6 (C-5) in reference to Dry-Pilot actuation of Double-interlocked Pre-action sprinkler systems. Are such Dry-pilot pipe systems required to be used as the actuation means?		
R468.	Specification Section 21 13 16 "Dry-Pipe Sprinkler System", Addendum 1, paragraph 2.6.C.4 states: "Include trim sets for electrical actuation,.....". There is no requirement for dry pilot.	F	5
Q469.	If Dry-pilots shall be used to actuate Pre-action sprinkler systems, may one releasing panel be used to monitor the various pre-action risers?		
R469.	See response to Q468.	F	5
Q470.	Will electrical activation be provided for Pre-action sprinkler protected areas?		
R470.	See Specification section 28 31 11 "Digital, Addressable Fire -Alarm System" and Fire Detection Drawings D1-XXX for the pre-action system electrical connections.	F	5
Q471.	Item # 0702079A-Bitumen Coating for Concrete Piles: Can you please tell us what coating material (manufacturer/supplier) meets the specification you are looking to coat the piles with?		
R471.	All products specified in this contract, with the exception of the security access control and intrusion detection system (see response 7) are specified as "or equal" products. This means the prime contractor that is awarded the project can submit shop drawings that contain products by any manufacturer that meets the requirements of the contract. The designer will review these products and approve them for use if they meet all contractual requirements on the plans and in the specifications.	F	5
Q472.	Specification section 111300 - Loading Dock Equipment: The specified manufacture model number (HD-3186) has no capacity listed. The manufacture requests that the capacity be given as there is a wide variety of pricing for that model number depending on the capacity.		
R472.	Rite Hite "L" Capacity Board, 20,000 lb Dynamic Load. Spec Section 111300 Loading Dock Equipment is revised in Addendum No 6.	F	5

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No.	Question Submitted	Status	Add. No.
Q473.	Question/Answer # 202 & 364. Since the owner is not going to provide any sizes, weights or how this equipment get mounted for the owner furnished/contractor installed equipment, can an allowance be given to "equal the playing field"? For example, should the bidder figure one man @ a 1/2 hour to install a certain piece of equipment with no lifting equipment or 2 men @ 8 hours for that same piece with a forklift?		
R473.	Assume 2 men @ 2 hours with forklift for 64 pieces of equipment.	F	5
Q474.	The pay limits for the trench and structure excavation items are vertical. So if the contractor elects to open cut & slope excavations for utilities and foundations within AOEC do we carry the cost for handling & disposal for this additional material in the trench and structure excavation items? The contractor will also have to bring in additional backfill material. Will the cost for the additional backfill material have to be carried in the trench and structure excavation items as well?		
R474.	Yes, the pay limits for the trench and structure excavation items are vertical. Please refer to below for clarification. Special Provision Item #0205003A – Trench Excavation 0’–10’ and Deep and Item #0205005A – Trench Excavation 0’–15’ Deep states under Article 2.05.04 Method of Measurement that “Excavations beyond the payment limits will be considered “Unauthorized Excavation” and will not be paid for. Any soil generated by unauthorized excavations will be stockpiled separately and the contractor shall assume the additional costs of environmental testing, stockpiling, off-site disposal of controlled and/or clean soils, and placement and compaction of suitable backfill.” Special Provision Item #0203004A – Structure Excavation – Earth (Complete), Article 2.03.04 Method of Measurement is revised in Addendum No. 5 to include “Excavations beyond the payment limits will be considered “Unauthorized Excavation” and will not be paid for. Any soil generated by unauthorized excavations will be stockpiled separately and the contractor shall assume the additional costs of environmental testing, stockpiling, off-site disposal of controlled and/or clean soils, and placement and compaction of suitable backfill.”	F	5
Q475.	The posted Question 114 and Response 114 that pertains to Jamb detail J8 and H8 was written to determine the number of channel door frames required. The reply stated the doors 1.17, 1.18, 1.19, 1.20, 1.46, 1.47, 1.48, 1.50, 1.51, 1.52 and 1.65 all required channel door frames. The revised door schedule, (drawing A1-601-0.1) still does not show jamb detail J8. Please furnish a detail for J8.		
R475.	The door schedule was updated in Addendum No. 2, jamb detail J-8 for precast concrete condition is included on drawing A1-605-0 (sheet 416-0). An additional jamb detail J-11 for metal panel condition is included in Addendum No. 5 on drawing A1-605-0.1 (sheet 416-0.1).	F	5
Q476.	The revised door schedule Drawing A1-601-0.1 has added a Jamb detail J11 to some of the above noted doors. Detail J11 has a box on drawing A1-605-0 for this detail but the box is blank. Please furnish this detail.		
R476.	Detail " J-11" is added to drawing A1-605-0.1 (sheet 416-0.1) in Addendum No. 5. Note other referenced details for differing conditions (precast concrete panel, metal louver, metal wall panel).	F	5
Q477.	Drawing I/A1-154-0 First floor plan at stair #4 shows precast panel on the south face of C-line, top edge of panel implied to be at 22.4' elevation [continuation of top of exterior louvers]. 12" CMU then continues above to bottom of 2nd floor. What will support the 12" CMU? Brace frame on S1-053-0 shows no horizontal member until 2nd floor.		
R477.	Precast concrete panel at south face of stair #4 is increased to 12" width and 12 ft height on drawing A1-154-0.2 (sheet 356-0.2) in Addendum No. 5. 12" CMU be installed on top on precast concrete panels.	F	5

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Q478.	On 4th floor, east wall of pipe chase on 15 between C-C.5: Is this to be wall type 11.2 as on stair plan A1-155-0 or type 15.2 as on I/A1-S09-0?		
R478.	Wall type is revised on drawing A1-509-0 (sheet 409-0) from type 15.2 to type 11.2 in Addendum No. 5.	F	5
Q479.	a) Similar to Questions 287-288, will exterior wall construction at the shear wall on C between 17-18 be similar to partition types 29-30? b) Will exterior wall types along C on each floor be continuous from 15 to 21 except at the shear wall between 17-18? [E.g., as follows: A1-116-0 2nd floor-type 29, A1-118-0 3rd floor-type 29, A1-120-0 4th floor -type 26 (as indicated in R245)].		
R479.	a.) Yes, similar to wall type 30 with 12" CIP concrete in place of CMU. b.) Yes, exterior wall types along C on each floor be continuous from 15 to 21 except at the shear wall between 17-18.	F	5
Q480.	Top level of stair #1 on 6/A1-151-0 indicates partition type 29 (8" CMU with metal panel/framing system). Brace frame details on S1-052-0 and floor framing plans do not show members to support the 8" CMU. For bid purposes, at what elevation will the 8" CMU be supported?		
R480.	Elevation height is 60'-2", refer to dwgs S1-023-0 (Sheet 486-0), A1-121-0 (Sheet 349-0) , A1-165-0 (Sheet 367-0) for additional information.	F	5
Q481.	Will the shaft walls for elevator #2 near C-13 be 12" CMU from elevation 10.4' up to 4th floor roof as called out on S1-068-0, or will the first floor exterior precast panel, insulated metal panel system & framing, and 8" CMU form part of the shaft walls as shown on 6-7/A1-704-0, floor plans, and enlarged stair details on A1-154 and A1-155?		
R481.	Precast concrete panels at south and west walls of elevator # 2 enclosure exposed to the exterior are increased to 12" thickness and the south facing panel to 12 ft height on drawing A1-154-0.2 (sheet 356-0.2) in Addendum No. 5. 12" CMU be installed on top on precast concrete panels.	F	5
Q482.	Please clarify elevator head & jamb details EV-I/A1-405 showing CI2 wrapping 10" CMU within wall type 4.2 (12" CMU) shown on plans. Is the block adjacent to the openings to be 10"? If so, please provide a dimension from edge of opening out to transition to 12" CMU.		
R482.	10" CMU have been revised to 12" CMU on dwg A1-405 in addendum no. 4. Channel size is adjusted accordingly on drawing A1-405-0.1 (sheet 400-0.1) in Addendum No. 5.	F	5
Q483.	Please confirm partition types for the south wall of lobbies for elevator #2: a) 2nd floor A116-0 rm#241 south wall type not identified; 2-3/A1-711 imply CMU; 3/A1-123-0 and 3/A1-154-0 are not conclusive; door tag 2.65 indicates H-1 & J-1 CMU at head & jamb. b) 3rd floor A1-118-0 rm#325 south wall type is 15 (3.5" stud wall); 3/A1-711 implies CMU; I/A1-124-0 and 4/A1-154-0 not conclusive; door tag 3.44 indicates H-1 & J-1 CMU at head & jamb.		
R483.	a.) Type 3, 8" CMU, wall type tag is added to detail 3 on dwg A1-154-0.2 (sheet 356-0.2) in Addendum No 5. b.) Type 15, gypsum board as located on drawings A1-117-0.2 (sheet 345-0.2) & A1-118-0.2 (sheet 346-0.2). Wall tag on drawing A1-154-0.2 (sheet 365-0.2) and door schedule on drawing A1-603-0.3 (sheet 414-0.3) is revised in Addendum No. 5.	F	5
Q484.	Details 9 and 10/A1-722 and 11/A1-720 regarding comer guards: Details 9 and 10 show STEEL comer guards which I assume you would want furnished and delivered with anchor studs for fresh concrete. Detail 11 shows STAINLESS STEEL comer guards surface mounted. The problem is the plans do not distinguish where the steel ones are required or where the stainless steel is required. Can you advise where you would carry steel versus stainless steel?		
R484.	Corner guards are identified on all columns in new column schedule on dwgs A1-111 through a1-120 in Addendum No. 5. Stainless steel corner guards are installed at all wall corners in the 3rd floor kitchen.	F	5

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No.	Question Submitted	Status	Add. No.
Q485.	Section 05 50 00-1 item 1.1A number 16 calls for a roof screen. It is further specified on 05 50 00-8 paragraph R. It is well specified indicating that it was designed for this project however it is not shown on the roof plan drawings A1-121 and A1-122-0.1. Should this item be deleted from the specifications?		
R485.	This item is deleted from the specification in Addendum No. 5.	F	5
Q486.	Section 04 22 00-5 item 2.2.G calls for "Masonry wall-top stabilizing anchor" with 12 ga. plate to be mounted to underside of beam using mech anchors or welding. Should this be deleted in favor of the various top-of-wall details shown on structural dwgs S1-067-0 and S1-068-0? Most or all the other top-of-wall details indicate compressible filler that would have to be pieced around this type anchor, increasing labor cost. Or is this to be used only where the others on the dwgs cannot?		
R486.	The Masonry wall-top stabilizing anchor is deleted from Section 04 22 00 - Concrete Unit Masonry in Addendum No. 5.	F	5
Q487.	Please clarify masonry for wall type 29 on 2nd floor south exterior wall in the two-story shop and store areas. 29' tall 8" CMU will require additional support and will also block light transmission at translucent panels at elevation 21'-11" above the 2nd floor. Details are not found for intermediate pilasters, lintels, or bracing to the tube steel framing for the wall panel system [which seems unlikely]. For bidding purposes, how tall is the 8" CMU in the two-story shop and store areas with wall type 29?		
R487.	Height of 8" CMU at 2nd floor south exterior wall to be approximately 17'-11" and stop at sill of the translucent panels. A note is added to drawing A1-115-0.2 (Sheet 343-0.2) in Addendum No. 5.	F	5
Q488.	Please clarify masonry locations for wall types 29-30 on [Rail Car] Roof Top Platform Plans A1-113-0 and A1-114-0. a) Platform arch & structural details show fiberglass grating in all areas marked to receive wall type 29 (8" CMU with metal panel framing system). CMU at this elevation will also block light transmission for approximately the lower half of the exterior translucent wall panels on J between 8-12. Will platform framing & grating details be modified to support the 8" CMU? Or is masonry to be deleted at these locations and only the exterior wall panel portion of wall type 29 would apply? b) Stair #1 on A1-113-0 is indicated to receive wall type 30 (12" CMU with metal panel/framing system) at col. 1 (west) & G.5 (south). Stair #1 details on A1-151-0 do not indicate masonry on these walls at this elevation, and the 12" CMU would seem unnecessary given the separation walls on H and 2 and the full-height window system in the center of the west & south walls. Is wall type 30 correct? Or is masonry to be deleted at these locations and only the ext. wall panel portion of wall type 30 would apply?		
R488.	a.) No CMU at exterior wall, tag removed from drawings A1-113-0.1 & A1-114-0 (Sheets 341-0.1 & 342-0) in Addendum No.5. b.) No CMU at south wall. Drawings A1-113-0.1 & A1-151-0.1 (Sheets 341-0.1 & 353-0.1) are revised in Addendum No.5.	F	5
Q489.	Please confirm wall type at the east wall of 1st floor restroom #149 with in the shear wall assembly at stair #5. Detail 5/A1-501-0 seems to incorrectly show chase wall type 9.2. Other sheets show wall type 4 or 4.2.		
R489.	Wall type revised on drawing A1-501-0.1 (sheet 401-0.1) in Addendum No. 5 to 4.2 to match A1-112.	F	5
Q490.	On the 4th floor, A1-119-0, please define extent of wall type 29 from the NW corner at F.4-10: a) Where along F.4 is the transition to wall type 26? Is it at the intersection with 12" CMU at 11.4? b) Where along 10 is the transition to type 26? Is it at the intersection with 12" CMU just south of D.6?		
R490.	CMU only at room 401. No drawing change required. Wall type 29 starts at 9.9 and ends at NE corner of room 401 along col. Line F.4. Wall type 29 starts at F.4 and ends at the SW corner of room 401 along col. line 9.9 just south of col. Line D.6. The intent is to enclose room 401 fully with CMU walls.	F	5

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No.	Question Submitted	Status	Add. No.
Q491.	Q/R331: The response to Question 331 regarding the locations of roller shades could be strictly interpreted as requiring shades in Stair #1 Tower and in the South Entrance and Curtain Wall: Again, strictly interpreting the specifications that the shades be inset 'jamb to jamb' and 'head to sill' (Section 12 24 13, para. 2.1.E), it would require a total of 81 individual shades for Stair #1 Tower and 172 individual shades for the South Entrance and Curtain Wall. Please clarify what the Owner's intention is for these areas.		
R491.	Roller shades have been identified on the finish schedule drawings A1-609-0.2 (sheet 420-0.2) and A1-610-0.2 (sheet 421-0.2) revised in Addendum No. 5.	F	5
Q492.	Q/R 333: The response to Question 333 regarding the location of bird control devices states that devices are require in the Running Repair Shop at ledges, I-beams, parapets, overhangs, pipes, signs, and edges of roofs. This is a vague description and a strict interpretation would necessitate literally miles of bird control devices at a cost in excess of one million dollars. Consider the following: a) I would expect there are a large quantity of conduits in the Shop, including power, lighting, fire alarm, and other systems. Would these be considered pipes? Would all conduits, including Smaller runs of 1/2" and 3/4" diameter, and bundle conduits require individual strips? b) Would all edges of the roof beams, four edges in some cases, require individual strips? The roof bar joists? c) Do the supports that the translucent roof light panels bear on require individual strips? d) Do the edges of the Roof Access Platforms P101 and P102, the Observation Deck 255, and the Staging Platform 203, require individual strips? The edges of underlying steel beams? Intermediate and top rails? e) Do the individual components of the bridge cranes require individual strips? f) Do light fixtures, ductwork, and other mechanical and electrical items require individual strips? g) Are areas contiguous to the Running Repair Shop 102 such as Truck Shop 139 to be similarly protected?		
R492.	Specification Section 10 81 13 - Bird Control Devices is revised in Addendum No. 5.	F	5
Q493.	Q/R 333: The response to Question 333 regarding the location of bird control devices only mentions the inside of the Running Repair Shop. Are we correct in assuming there are no devices called for the exterior of the building?		
R493.	There are no bird control devices required on the exterior of the building.	F	5
Q494.	2nd Floor West Floor Plan A1-115-0: Rooms 213, 211A, show 'HVAC Shaft Chase'. There are no wall tags. Please identify wall types.		
R494.	Wall tags have been added to drawing A1-115-0.1 (Sheet 343-0.1) in Addendum No 4.	F	5
Q495.	Spec Section: 2.3 GYPSUM BOARD MATERIALS A. Gypsum Panels: Provide DensArmor Plus and DensArmor Plus Fireguard glass mat interior protection by G-P Gypsum or approved equal, consisting of gypsum core embedded with a coated inorganic glass mat on the back, face and long edges. The mat shall provide superior protection from moisture, mold and mildew. Thickness of panels shall be 1/2 inch or 5/8 inch as indicated on Plans. There is no indication on wall types or plans to specify where a certain board is to be used. This is a premium product with a premium cost. Is DensArmor Plus and DensArmor Plus Fireguard to be utilized universally on this project?		
R495.	Specification Section 09 21 16 - Gypsum Board Materials is revised to identify locations in Addendum No. 5.	F	5
Q496.	Can ConnDOT provide AutoCAD files for bid documents released to date through addendum number 2?		
R496.	No, ConnDOT will not provide AutoCAD files.	F	5
Q497.	Please provide the maximum loading in lbs/sf that the slab on grade is currently designed for.		

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R497.	The slab on grade outside of the building at the track apron at column lines J & 1 has a design live load of 250 psf as noted on drawing S1-008 (Sheet 471).	F	5
Q498.	Please clarify the fire extinguisher cabinet locations. The cabinets are only shown on the signage drawings, which do not distinguish between recessed/semi-recessed fire extinguisher cabinets and surface mounted fire blankets as specified.		
R498.	Additional Fire extinguisher notes and installation details provided on drawings A1-802-0.2 (Sheet 451-0.2) through A1-804-0.2 (Sheet 453-0.2) in Addendum No. 5.	F	5
Q499.	Specification section 055000.2.2.P calls for the bollards to be set in concrete (2'6" below grade) however drawing S1-061-0 calls for the bollards to be mounted on the slabs. Which one is to be used?		
R499.	Specification Section 05 50 00 - Metal Fabrications is revised to correctly address exterior and interior bollards in Addendum No. 5.	F	5
Q500.	Room # 126a & 127A: These rooms call for rubber flooring Is this correct? As these rooms are bathroom / locker room.		
R500.	Floor material to be ceramic tile. The finish room schedule on drawing A1-609-0.2 (sheet 420-0.2) is revised in Addendum No. 5.	F	5
Q501.	Room # 235B is not listed in the finish schedule. Please clarify what finish this room is to get.		
R501.	Room 235B was added to the finish schedule in Addendum No.4.	F	5
Q502.	SECTION 078100- APPLIED FIREPROOFING - Please confirm if the following material substitutions will be acceptable. CONCEALED SPRAYED FIRE-RESISTIVE MATERIALS-In lieu of Isolatek Cafco 300 we propose to use Isolatek Cafco Blazeshield II.		
R502.	All products specified in this contract, with the exception of the security access control and intrusion detection system (see response 7) are specified as "or equal" products. This means the prime contractor that is awarded the project can submit shop drawings that contain products by any manufacturer that meets the requirements of the contract. The designer will review these products and approve them for use if they meet all contractual requirements on the plans and in the specifications.	F	5
Q503.	SECTION 078100- APPLIED FIREPROOFING - Please confirm if the following material substitutions will be acceptable. EXPOSED CEMENTITIOUS SPRAYED FIRE RESISTIVE MATERIALS· In lieu of Isolatek Cafco 400 we propose to use Isolatek Cafco HP.		
R503.	All products specified in this contract, with the exception of the security access control and intrusion detection system (see response 7) are specified as "or equal" products. This means the prime contractor that is awarded the project can submit shop drawings that contain products by any manufacturer that meets the requirements of the contract. The designer will review these products and approve them for use if they meet all contractual requirements on the plans and in the specifications.	F	5
Q504.	SECTION 078100- APPLIED FIREPROOFING - Please confirm if the following material substitutions will be acceptable. EXPOSED INTUMESCENT MASTIC FIRE-RESISTIVE COATINGS- In lieu of Albi Clad TF we propose to use Isolatek Cafee SprayFilm-WB3.		
R504.	All products specified in this contract, with the exception of the security access control and intrusion detection system (see response 7) are specified as "or equal" products. This means the prime contractor that is awarded the project can submit shop drawings that contain products by any manufacturer that meets the requirements of the contract. The designer will review these products and approve them for use if they meet all contractual requirements on the plans and in the specifications.	F	5

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No.	Question Submitted	Status	Add. No.
Q505.	Specification section 079513. 2.1.8. The specified floor expansion Joint cover specified, "Migutrans FS 75/3000, Is an expansion joint cover that is cast into the floor slab (reference the AutoCAD drawing provided on their web site), however under section 079513. 3.2.E. it describes this unit to be surface mounted. Also the detail on S1-061-0 shows this unit surface mounted. Please clarify the specified unit.		
R505.	Migutrans FS 75/3000 is required at the ground floor structural slab only and the silicone pre-coated, preformed, pre-compressed, self-expanding, sealant system at elevated floors with composite slab construction. All joint systems shall be installed per manufacturer's recommendations.	F	5
Q506.	Regarding the Department's response to Question #305 regarding bid item #0165343A "Switchgear", should the pad-mounted switches and transformers feeding the new CCO Shop be included in bid item #0100150A "Maintenance Facility" as described in CSI spec sections 26 12 00 and 26 13 00, and the pad-mounted switch that refeeds the existing EMU Shop substation paid for as described in Addendum #2 Special Provision #0165343A "Switchgear"?		
R506.	Yes, the pad-mounted switches and transformers feeding the new CCO Shop shall be included in bid item #0100150A - Maintenance Facility as described in CSI spec sections 26 12 00 and 26 13 00, and the pad-mounted switch that refeeds the existing EMU Shop substation shall be paid for as described in Addendum No 2 Special Provision #0165343A - Switchgear.	F	5
Q507.	Refer to Sheet No. 467-0 (Dwg. S1-004-0 of the plans and provide a wall section thru the New construction at the existing twin 4' x 6' Box Culvert location that will detail all concrete and waterproofing requirements?		
R507.	Drawing no. S1-044-0 (Sheet 507-0) shows concrete sections at the culvert with waterproofing.	F	5
Q508.	Refer to Sheet No. 469 of the plans and provide a wall section thru Pit "B" that occurs over the existing Twin 4' x 6' Box Culvert detailing all concrete and waterproofing work that will be involved?		
R508.	Pit B is supported by foundation beam, FB-16. Refer to drawing no. S1-044-0 (Sheet 507-0) for beam details over the culvert.	F	5
Q509.	Will any Manhole or Handhole structures electrical or otherwise such as the one indicated on plan Sheet No. 316-0, etc. require a field applied waterproofing coating or will all coatings be shop applied.?		
R509.	All waterproofing coatings shall be shop applied.	F	5
Q510.	Note that plan Sheet No. 532 indicates that blind side waterproofing will be applied to the "Excavation Support System" wall locations. Please define the limits where the "Excavation Support System" wall will be required?		
R510.	Means and methods of construction belongs to the contractor. If the contractor uses stay-in-place excavation support, blind side waterproofing shall be used.	F	5
Q511.	Specification Section 07 14 00 Fluid Applied Waterproofing Part 1.1 A-1 indicates that blind side waterproofing will occur at all pit perimeter walls. Please verify that this statement is correct and that the plan Sheet No. 532 "Excavation Support System" detail will apply or is the statement not correct and will the "Unsupported Wall Detail" indicated on plan Sheet No. 532 apply?		
R511.	Per specification 07 14 00, Part 1, paragraph 1.1 A. 1 waterproofing is required at all pit perimeter walls. Both details on Plan Sheet No. 532 could apply depending on the Contractors chosen method of construction of these pit walls.	F	5

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No.	Question Submitted	Status	Add. No.
Q512.	Please verify that the Mud Slab required by Specification Section 07 14 00 Fluid Applied Waterproofing Part 1.1 A-2 will be optional as waterproofing note two on plan Sheet No.532 indicates? If the concrete mud mat is not used exactly what dry sub base materials will be acceptable.		
R512.	The contractor shall install the waterproofing per the manufacturers specifications and meet all requirements in order to obtain the warranties. A concrete mud mat is an acceptable option. Refer to response to question no. 15 for sub base material. Dryness of base material must be approved by waterproofing manufacturer.	F	5
Q513.	Specification Section 07 14 16 Cold Fluid-Applied Waterproofing Part 1 Para 1.1-A calls for waterproofing the interior wall and floor surfaces of the "Component Change Out Shop" Pits. Since the entire building is the "Component Change Out Shop" then all pits may be Required to receive this coating. Please answer the following questions. a) Will the interior of elevator or loading dock pits be required to receive this waterproof coating? b) Will all pits indicated on plan sheet numbers 470-0 & 471-0 including sump pits be required to receive this waterproof coating? c) Will the interior "Liquid Containment Structure" per 472-0 be coated?		
R513.	a) Elevator and loading dock pits will receive the waterproof coating. b) All pits indicated on Plan sheet numbers 469-0 and 470-0.1 including sumps pits are required to receive the waterproof coating. c) See Response to question No. 338.	F	5
Q514.	Please verify that the exterior walls of the "DC Substation" indicated on plan Sheet No. 494-0 & 495-0 will be a "Unsupported Wall" as detailed on plan Sheet No. 532?		
R514.	Both details for waterproofing ("Supported Excavation" and "Unsupported Excavation") on Sheet 532 are valid for the DC Substation walls depicted on Sheets 494-0 and 495-0. The means and methods of construction are at the contractor's discretion.	F	5
Q515.	Please verify that the exterior walls of the "Guard Booth" indicated on plan Sheet No. 49480 will be a "Unsupported Wall" as detailed on plan Sheet No. 532? Also please verify that waterproofing will be required under the floor of the "Guard Booth.		
R515.	The Guard Booth foundation is shown on drawing no. S1-035-0 (Sheet 498-0). The foundation shall be waterproofed where it comes in contact with the soil.	F	5
Q516.	Will waterproofing similar to that shown on sheet number 532 be required under the concrete slab on grade and on the below grade concrete walls of the guard booth?		
R516.	The Guard Booth foundation is shown on drawing no. S1-035-0 (Sheet 498-0). The foundation shall be waterproofed where it comes in contact with the soil. The floor slab of the Guard Booth is a structural slab not a slab on grade.	F	5
Q517.	Please consider making the concrete mud mat mandatory and not optional since the waterproofing must be applied to dry and somewhat smooth level surfaces and without a concrete mud slab the plain will be changing from movement of workers or machinery etc., and since the surface must be dry every time it rains adelay will occur while the area dries. Note that a mud mat would allow for the surface to be cleaned and thoroughly dried before installing the waterproofing and would make for a reasonable surface to perform the waterproofing detailing of the many penetrations and changes in the concrete plain at pile caps, pits, etc.		
R517.	The contractor shall install the waterproofing per the manufacturers specifications and meet all requirements in order to obtain the warranties.	F	5

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No.	Question Submitted	Status	Add. No.
Q518.	Please refer to drawing sheet number 532 for the Typical Pit detail and drawing sheet 510 and explain how waterproofing will be able to be applied to all the piston surfaces and be able to be tied into the underslab waterproofing. surfaces. How will the pistons be held in place? Would a mandatory concrete mud slab be beneficial?		
R518.	The piston sleeves will be provided as part of the embedded equipment from the manufacturer. Details from macton show the sleeves as anchored to the concrete of the pit floor. The drawings call for the pit assembly to be waterproofed. The contractor may apply waterproofing to the sleeves prior to installation and waterproof the joint between the sleeve and the concrete in order to meet the intent of the fully waterproofing the underside of the pits. <u>A concrete mud mat would be another acceptable option.</u>	F	5
Q519.	Will the depth of all pistons be the same height as the Typical pit detail on drawing sheet 532 indicates and as the sections on drawing sheet 510 would indicate?		
R519.	The depth of the pistons is determined by the manufacturer of the equipment.	F	5
Q520.	Will the underslab waterproofing indicated on drawing sheet 508,0 at the exterior Wall pile caps terminate one foot on to the inner face of the pile cap similar to the typical exterior foundation beam termination that is detailed on drawing sheet number 532?		
R520.	The exterior pile cap waterproofing is similar to the interior pile cap waterproofing as shown on dwg no. S1-069.	F	5
Q521.	Please explain where the underslab waterproofing will terminate at the track apron that is indicated by detail one on drawing sheet 508-0 and any waterproofing be required under the concrete track apron?		
R521.	As stated in note 1 on drawing no. S1-069, the "Waterproofing shall be applied to the underside/exterior side of slabs, substation, pits, over piles." Yes, the underside of the track apron shall be waterproofed.	F	5
Q522.	Please refer to the optional curb detail on drawing sheet 524.0 and explain where this detail would apply where the waterproofing is full height at the inner face of the wall. Note that the exterior face of the exterior foundation beam indicated on drawing sheet number 532 indicates only a one foot turndown of the underslab waterproofing.		
R522.	The contractor can pour the curb with the exterior foundation beams or may install the curb after the foundation beams are in place. Should the contractor choose the latter, the joint between the curb and the concrete will require a hydrophilic waterstop as shown in the Optional Curb Detail. Waterproofing on this detail is shown schemetically. The contractor may waterproof the whole exterior foundation beam.	F	5
Q523.	In order to properly price the following items we need to know what they are hazardous for: Item 0101126A - 33 Tons Hazardous Waste and Item 0202317A - 2 Tons Hazardous Waste.		
R523.	The special provisions for Item 0101126A - Disposal of Hazardous Waste and Item 0202317A - Disposal of Hazardous Materials clearly describe the scope of work.	F	5
Q524.	Please cite an example of an approved equal regarding Stirlying Llyod Products (Spec Section 07 14 00).		
R524.	All products specified in this contract, with the exception of the security access control and intrusion detection system (see response 7) are specified as "or equal" products. This means the prime contractor that is awarded the project can submit shop drawings that contain products by any manufacturer that meets the requirements of the contract. The designer will review these products and approve them for use if they meet all contractual requirements on the plans and in the specifications.	F	5

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No.	Question Submitted	Status	Add. No.
Q525.	Please reference DWG S1-008-0.1 in under NOTES. NOTE 7 specs that reinforcing steel in the structural slab shall be weldable steel. There does not seem to be a need for weldable steel. Please clarify.		
R525.	Weldable steel is used in the grounding of the concrete ground floor slab.	F	5
Q526.	Will the owner allow a construction joint on top of the electrical ductbank that is under the slab on grade (see drawing 286 & 523.0.1)?		
R526.	With reference to the detail entitled "Typical Electrical Duct Bank Reinforcing" shown on S1-060-0.1 (Sheet 523-0.1), the construction joint formed by the interface between the concrete-encased duct bank and the floor slab does not present a problem in terms of the integrity of the conduit installation. Movement between the duct bank and the floor slab is constrained by the transverse steel reinforcement (stirrups) in the duct bank which are continuous into the floor slab as shown in the detail. The same consideration regarding steel reinforcement should be applied, however, where the conduits in the duct bank are stubbed up vertically in the DC room so as to prevent shear forces from acting on the conduits caused by movement between the duct bank and the floor slab. In addition, if the conduit duct bank passes through expansion joints at any point where movement between the concrete segments is not constrained by steel reinforcement, then expansion couplings must be installed in the conduit run at the location of the expansion joint.	F	5
Q527.	Will the electrical ductbank under the slab on grade (drawing 286 & 523.0.1) require waterproofing under and on the sides? Or, will the owner allow the waterproofing to go on top of the electrical ductbank if it is poured separately from the slab on grade (similar to the pile to pile cap detail)? Please note that due to the sweep in the ductbank risers, this ductbank will be at least 5 to 6' deep so that all conduit is encased in the sweep.		
R527.	Since the duct bank is connected to the structural slab, the waterproofing shall wrap around the ductbank as it would the pits.	F	5
Q528.	Will the owner allow sleeves through the top of the ductbank (above the ducts) that runs in the east west direction to allow the track drain lines (drawing 636) that run north to south so that they can stay at the elevations shown on the plumbing drawings?		
R528.	Yes. However, the sleeve must be a non-conducting material cast into the duct bank and not cored in after the duct bank concrete is set.	F	5
Q529.	Stirling Lloyd is the specified waterproofing manufacturer. The drawings show details on drawing 532, but note 7 states "typical details incorporate prime waterproofing system listed in the specifications. Details shall be modified as required by waterproofing manufacturer". If the details drawn are not recommended by Stirling Lloyd, is it the intent that the contractor should change the details to those suggested by Stirling Lloyd?		
R529.	The contractor shall install the waterproofing per the manufacturers specifications and meet all requirements in order to obtain the warranties. Details will be submitted for approval.	F	5
Q530.	In reference to Drawing 532, will the insulation need to stay "on top" of the system?		
R530.	The insulation is adjacent to the concrete.	F	5
Q531.	The typical exterior foundation beam is not waterproofed (drawing 532), please clarify if this was intentional?		
R531.	Foundation shall be dampproofed where it comes in contact with the soil and not required to be waterproofed. Refer to specification 07 10 13 - Bituminous Dampproofing.	F	5

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No.	Question Submitted	Status	Add. No.
Q532.	The typical waterproofing detail in the upper left hand corner of drawing 532 details geotextile, then waterproof membrane, then aggregate broadcast and then 2" of insulation. The purpose of the aggregate broadcast is to provide a shear key and a skid resistant wearing surface for several days prior to placing materials. Placing the insulation on top of the broadcast appears to defeat the purpose. Please clarify if this is your intent?		
R532.	The intent of the waterproofing details is to describe the waterproofing system. The foundation is required to be waterproofed and insulated. The waterproofing will be installed per the manufacturer's specifications.	F	5
Q533.	Note 7 on drawing 464-0 states "do not load the structures ground level slab nor foundation piles & caps with erection crane or erection equipment". Will the owner allow the contractor to run equipment and trucks over the piles or caps if they are properly protected or bridged?		
R533.	With the proper protection to the piles and equipment information, requests will be reviewed on a case by case basis.	F	5
Q534.	Sheet #506 states, in the "Pile Elevations drawing", that there should be 8 #7 rebar. Section A on the same page shows 10 #7 rebar. Which is correct? Are the two extra pieces supposed to be drilled in after driving?		
R534.	The 2 #7 bars have been replaced by extending the 8-#7's into the pilecap. However, the contractor may include the 2 extra bars.	F	5
Q535.	Specification Section 21 13 13 – Wet Sprinkler Systems Part 1 item 1.5.C.4 states the maximum protection area per sprinkler head for office spaces is 120 sq. ft. Office spaces are classified as light hazard occupancies. The storage areas, machine shops and mechanical rooms are ordinary hazard occupancies and this section states that the maximum spacing for these areas is 130 sq. ft. NFPA permits a maximum spacing of 225 sq. ft. for light hazard occupancies. Please confirm that we will be required to maintain a maximum sprinkler heads spacing of 120 sq. ft. per sprinkler head for all office areas.		
R535.	The Maximum Protection Area values per Sprinkler listed in Specification 21 13 13 – Wet Sprinkler Systems, Part 1 item 1.5.C.4 shall be adhered to.	F	5
Q536.	The environmental drawings ENV-04 thru ENV-07 identify specific Areas of Environmental Concern (AOEC). Note 1 on the above drawings states that "Remainder of project site is a low level area of environmental concern" one would then assume that the entire site is an AOEC of one type or another. This assumption is further reinforced by language in the excavation bid items that state "All excavated material within the project limits of the New Haven Rail Yard shall be considered a Controlled Material and transported to the waste stockpile area". Please confirm that all excavated material is a Controlled Material that is to be transported to the waste stockpile area and that the entire site is considered an AOEC.		
R536.	There are four Areas of Environmental Concern (AOEC's) within the project limits and the remainder of the site is considered a Low Level Area of Environmental Concern (LLAOEC). As called out in the Notice to Contractor - Environmental Investigations, LLAOEC material does "not require handling measures beyond those required for normal construction operations. However, the presence of these compounds will require the disposition of soils excavated from these areas to be restricted as described herein. Materials excavated from within the LLAOECs that cannot be reused within the Project limits will require disposal at an approved treatment/disposal facility in accordance with Item 0202315A, Disposal of Controlled Materials." Therefore, only LLAOEC material that cannot be reused on site must go to the WSA.	F	5

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No.	Question Submitted	Status	Add. No.
Q537.	In the first paragraph of the description for controlled materials handling a sentence states that "Work under this item shall include transporting and stockpiling materials at the existing temporary waste stockpile area (WSA)..." This could be interpreted as transporting and stockpiling material within the WSA. The basis for payment states that "This work shall be paid for at the contract price, which shall include transportation from the excavation site to the existing temporary WSA..." Please clarify whether trucking for all excavated material pays in the excavation items or in controlled material handling item.		
R537.	Item No. 0101117A - Controlled Materials Handling, under Basis of Payment it reads: "This work shall be paid for at the Contract unit price, which shall include transportation from the excavation site to the existing temporary WSA; covering, securing, and maintaining the individual stockpiles within the WSA throughout the duration of the project;"		
	This item covers only the transportation of Controlled Material to the WSA. LLAOEC material is not deemed "Controlled Material" until it is determined that it cannot be reused within the project limits.	F	5
Q538.	SECTION 11 13 00 – LOADING DOCK EQUIPMENT What is the maximum weight that the dock leveler is going to need to support (please included the weight of the heaviest equipment used for unloading)?		
R538.	Rite Hite "L" Capacity Board, 20,000 lb Dynamic Load is needed for the dock leveler.	F	5
Q539.	SECTION 10 81 13 – BIRD CONTROL - Is this to be located inside and outside on all locations specified or only inside Running Repair Shop as described in Question #333?		
R539.	Please refer to the responses to questions 492 and 493.	F	5
Q540.	Item #0702079A – Bituman Coating for Concrete Piles: Quinn Brown Associates (QBA) is a manufacturer of a Bitumen product that meets the specification for #0702079A – Bituman Coating for Concrete Piles. Per their recommendation, application of the Bitumen can be conducted in temperatures as low as 35 degrees with no negative effects to the performance of the product. Care should be taken to insure that ice is not present on the concrete surface to be coated prior to the application of the bitumen.		
	The Engineers has specified a minimum application temperature of 65 degrees. Since the pile installation will take place during colder months, the cost to maintain the 65 degree application temperature will be significant to the DOT. Will the Engineer allow the Contractor to follow the Bitumen manufactures recommendation and apply the bitumen product at temperatures above 35 degrees?		
R540.	Yes, if the bitumen manufacturer provides data indicating that the characteristics of the bitumen are not significantly impacted by the lower temperature.	F	5

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No.	Question Submitted	Status	Add. No.
Q541.	The pre cast concrete test pile is being driven to a design load of 103 kips, at which time a tip elevation will be established. As pile driving progresses the soil conditions will change (consolidation). As additional piles are driven the soil consolidation will increase causing the piles to reach capacity at a higher elevation. Will the Engineer require the Contractor to drive the piles to the test pile tip elevation or to the elevation where the maximum design capacity is achieved? If the Contractor achieves the maximum pile capacity (blow count) at an elevation higher than the test pile tip elevation and is then directed by the Engineer to continue driving to the test pile tip elevation, will the additional driving be paid for as extra work? If directed by the Engineer to drive the piles beyond the Maximum Design Load, will the Contractor be paid in full for any piles that are damaged or broken?		
R541.	To the elevation where required capacity is reached, as long as any minimum depth requirements are met. No, the additional driving will not be paid for as extra work. No, the Contractor will not be paid for any piles that are damaged or broken.	F	5
Q542.	Specification 14 45 00: The current design for the vehicle hoists and the associated pits allows for the lifting of married pairs & triplets and for single cars per Spec section 144500 2.D.13. However, this configuration will not work for single cars uncoupled on adjacent hoists on the same track. Is it a requirement of the contract for each set of hoists that lift a married pair or a triplet to also lift individual uncoupled cars simultaneously? If so, please provide the required clearance between uncoupled cars.		
R542.	Hoists are not to lift adjacent individual uncoupled cars simultaneously.	F	5
Q543.	Plan Sheet 325 (Dwg. A1-104.1) Fire Proofing Notes includes narratives for types of fireproofing within the Component Change Out Shop. The scope of concrete encasement and intumescent coating requires clarification. A Columns: 1.) Running Repair Shop & First Floor Shopping Areas Concrete Encasement Up To Crane Height remanding Column Intumescent Fireproofing.” The drawings do not clearly define the limits of “Running Repair & Shopping Areas”. We seek a schedule of columns requiring concrete encasement and intumescent coating. 2.) Second Floor Shop Areas – Full Height Concrete Encasement. Limits of Shop Areas require clarification. Provide a schedule of columns to be encased. Advise on whether encasement above bottom flange of upper floor framing is required. B Structural Frame Floor Beams: 1.) 2nd Floor Beams Above Truck Shop, Bridge, & First Floor Shop Areas – Intumescent Fireproofing.” Specific boundaries are not clear. Provide bounds of area to receive intumescent coating.		
R543.	A. Columns 1) Column enclosure schedules are added to dwgs A1-111-0.1 (sheet 339-0.1) through A1-120-0.1 (sheet 348-0.1) in Addendum No. 5. 2) Column enclosure schedules are added to dwgs A1-111-0.1 (sheet 339-0.1) through A1-120-0.1 (sheet 348-0.1) in Addendum No. 5. Encasement above bottom flange of upper floor framing not required. B. Structural Floor Beams 1) Please refer to fireproofing note B-1 on drawings A1-104-0 (sheet 325-0) through A1-104.4-0 (sheet 328-0).	F	5

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No.	Question Submitted	Status	Add. No.
Q544.	The crane specifications in Part 2 – Products contains language that appears to favor Mannesmann Dematic Corporation (Demag) exclusively. Other manufacturers can provide equipment which will perform equal to, or better than the Demag equipment, with respect to form, fit, and function, and this particular application. We want to be sure other equipment manufacturers products are acceptable alternatives. For example: 1) in Section 2.2B Features and Construction, Part 1c the spec calls for the bridge end truck □to□bridge girder connection (shall) to be a high tensile bolted friction connection. This is a design feature of Demag equipment. We want to be sure that a standard top, side, and/or bottom bolted connection is acceptable. 2) in Section 2.2B Features and Construction, Part 1d the spec calls for the bridge drives (shall) to have conical brakes. This is another example of a design feature of Demag equipment. We want to be sure that disc brakes are an acceptable option. 3) Further, in Section 2.1B Features and Construction, Part 1d the spec calls for all shafts (shall) to be splined for uniform rotational force distribution. We want to be sure that keyed shafts and press fits are allowed to be used. 4) in Section 2.2B Features and Construction, Part 2a the spec calls for the hoist motor and brake (shall) to be of the sliding rotor squirrel cage type with a conical brake. The spec further states that the hoist motion is to be two □speed with the slow speed achieved with a separate motor meaning there would be a total of two hoist motors. We want to be sure that a cylindrical rotor squirrel cage type motor with a disc brake (the motor will have dual windings or VFD control for slow and fast speed) are an acceptable option to the written spec. 5) in Section 2.2B Features and Construction, Part 3 the spec calls for the trolley (shall) to be powered by a sliding rotor squirrel cage type motor. We want to be sure that a cylindrical rotor motor is acceptable.		
R544.	Crane design features noted in question are acceptable. All products specified in this contract, with the exception of the security access control and intrusion detection system (see response 7) are specified as "or equal" products. This means the prime contractor that is awarded the project can submit shop drawings that contain products by any manufacturer that meets the requirements of the contract. The designer will review these products and approve them for use if they meet all contractual requirements on the plans and in the specifications.	F	5
Q545.	Building Exterior Wall Section details on Sheets 390 through 394 show CMU and Gypsum Board Partitions laid up from the top of concrete floor slab to the underside of spandrel beams. The partition details graphically depict infill CMU/Gyp Partitions, from the bottom of spandrel beam to underside of floor deck. The infill work impacts placement of wall framing and follow on building exterior work. Advise on details to be followed.		
R545.	Coordination with the exterior wall framing system will be required. The design drawings have indicated a 12 inch space for the exterior wall framing system. Detail 1 on dwg A1-323-0 (sheet 390-0) is revised in Addendum No. 5.	F	5
Q546.	Specification Section 05 10 00 Structural Metal Framing, 2.3, A., 3. states “Apply specified coats in paragraph 2.1 I. to all steel embedded into masonry or foundation concrete, unless galvanizing is indicated.” Confirm that in addition to foundation concrete embedment, all other structural steel embedded in concrete shall receive a prime coat per 05 10 00 paragraph 2.1.I. rather than bituminous damproofing referenced in 07 10 13, 1.1, A., 1., c.		
R546.	Please refer to Specification Section 05 10 00 - Structural metal Framing, paragraph 2.3 A3 which was revised in Addendum No. 4.	F	5
Q547.	Sheet 494-0.1 (Dwg. S1-031-0.1) Note 2. “Reference Top of Concrete Equals EL. 11’-5” U.N.O.”. Ground Floor Plan on Sht. 494-0.1 indicates Top of Concrete EL.10’-5”. Confirm bottom of pile cap elevations are from the “as noted” elevation 10’-5”.		
R547.	Yes, the correct elevation for note 2 on S1-031-0.1 (Sheet 494-0.1) is EL. 10’-5”.	F	5

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No.	Question Submitted	Status	Add. No.
Q548.	As the bid drawings are schematic representations and not intended as a basis for design, may I assume that the OS&Y, Alarm, Dry and Pre-action valve sizes shown on FP-801 are for reference only and not intended to dictate calculated pipe or valve sizes. Would this assumption also hold true for the stand pipe systems in stairwells #1, 4, 5 & 6?		
R548.	Please refer to response to question 456.	F	5
Q549.	FP-703 shows roller type hanger assemblies for pipe 4-inch and larger. Is this correct? Would the use of a roller hanger not be countered due to the installation of seismic restraints? Additionally, this application is stated to be used for uninsulated pipe, whereas 21 05 00-4, paragraph 3.1 J stipulates that the piping be installed to allow for the application of insulation. Typically you do not insulate sprinkler piping unless it is subject to freeze. Please clarify.		
R549.	Please refer to response to question 457.	F	5
Q550.	21 13 16-4 2.2 stipulates the use of Galvanized Steel pipe and the types of fittings to be used with the Galvanized pipe on the Dry pipe systems. It is my interpretation of this section that Galvanized fittings are not required, is this correct?		
R550.	Please refer to response to question 458.	F	5
Q551.	Fire Suppression Drawings/specs: Will dry pendent heads be required for the pre-action systems? I do not see anything in the specification which would require them and it is not a requirement of the NFPA but some underwriters may request them on a job by job basis.		
R551.	Please refer to response to question 459.	F	5
Q552.	Fire Suppression Drawings/specs: Will a NICET Certified Layout Technician (Level III or IV) meet the design requirement or are requiring a PE?		
R552.	A PE is required.	F	5
Q553.	Specification Section 21 13 13-12, C.1 references ESFR heads, these are typically used in lieu of in rack sprinklers. The only mention of Storage Racks is on FP 001 and reference to the Drum Storage Room #152. As the FP and Architectural drawings do not show these racks I am assuming that it has been determined that additional coverage is required. Is it acceptable to use ESFR heads in this location instead of an in rack sprinkler system? As there are not any additional notes or requirements in the specification or on the FP and Architectural drawings referencing rack storage can we assume this is the area for which the ESFR reference was added?		
R553.	Please refer to response to question 461.	F	5

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No.	Question Submitted	Status	Add. No.
Q554.	Lacquer Coatings on PVC Based Roofing Materials: Some PVC membrane manufacturers formulate their roofing products using liquid plasticizers. These components keep the sheet flexible over the long term. Additionally, due to an abundance of this compound at the point of initial manufacture of the PVC, the plasticizer tends to form an oily, tacky effluent at the surface of the sheet. It is this tacky film that tends to attract and retain dirt, pollutants, etc., which leaves the surface of the PVC roof cover discolored. It is our understanding that the purpose of the acrylic lacquer coating is to "seal" in the plasticizer, preventing any accumulation of the effluent and, in general, keeps dirt from adhering to the PVC surface. The Dow Viento sheet is based on a PVC which is modified with DuPont's "Elvaloy" compound and does not contain liquid plasticizers. As such, no effluent forms at the membrane surface and no significant dirt retention is observed. There is, in effect, no reason to apply a coating of any sort to the Dow Viento sheet. Please contact the Dow Technical Services Department at 877-788-8324 if you have any further questions or contact me at 319-929-1650. We would like very much to have the opportunity to bid this project and for that reason, I wanted to send this clarification.		
R554.	All products specified in this contract, with the exception of the security access control and intrusion detection system (see response 7) are specified as "or equal" products. This means the prime contractor that is awarded the project can submit shop drawings that contain products by any manufacturer that meets the requirements of the contract. The designer will review these products and approve them for use if they meet all contractual requirements on the plans and in the specifications.	F	5
Q555.	Please note that when I open the addendum 4 file posted on the Wensite Addendum No 2 content is what appears. How can I view addendum no 4?		
R555.	Informational only copies of Addendum No. 4 will be available for download from the newhavenrailyard.org website on September 2, 2009. Official DVD copies will be mailed to each plan holder as soon as possible.	F	5
Q556.	Drawing # A1-327, Detail 1: Dry Wall partitions # 26 shows a layer of 5/8' GWB on the outside face of this partition facing the exterior wall system. Should this be an exterior grade sheathing system instead of GWB being that it will be exposed until the exterior wall system is erected? If the exterior wall systems will be erect prior to the drywall assembly being installed, how should we install this layer?		
R556.	No exterior layer of gypsum board required for wall type 26. Exterior wall system shall be erected prior to drywall assembly. The means and methods of construction are at the contractor's discretion.	F	5
Q557.	Specification sections 07 14 00 & 05 10 00 do not provide clear direction on the finish of structural steel to receive spray fire resistive materials. Advise on whether structural steel, receiving spray fire resistive materials, are to be primed or remain unpainted.		
R557.	Structural steel shall receive intumescent fireproofing as specified in Section 05 10 00 - Structural Metal Framing in Addendum No. 4.	F	5
Q558.	Specification 07 81 00: Confirm that undersides of steel decks are not to receive intumescent coatings or sprayed fire resistive materials.		
R558.	Steel deck at the roof locations for levels 3 and 4 that do not have concrete composite slab construction require spray applied cementitious fireproofing. None of the decks at level 2 or 3 require intumescent fireproofing.	F	5
Q559.	Within Addendum #4 (8-28-09) CD referring to Contract Plans, Volume 2, drawing S1-004-0.2 refers to section details 1A, 3 and 9 on drawing S5-027. Unable to located drawing S5-027 with details.		
R559.	The section details 1A, 3 and 9 are a cadd typo and are removed in Addendum No. 5.	F	5
Q560.	Also, Addendum #4 (8-28-09) CD referring to Contract Specification Addendum #4 New Plan Sheets 008-4 Volume 2 – unable to located. Please clarify.		

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No.	Question Submitted	Status	Add. No.
R560.	The Contract Specification for Addendum No. 4 indicated there was a revised drawing for 008-4 (Volume 1) and 008-2 (Volume 2), there was no reference to 008-4 (Volume 2) as noted in the question below. Sheet 008-4 is the latest list of Drawing Revisions in Volume 1 and Sheet 008-2 is the latest list of Drawing Revisions in Volume 2.	F	5
Q561.	In view of addendum 4 becoming electronically accessible on September 1, 2009 and according to CTDOT Questions and Answers dated September 2, addendum 5 will be issued in the future. Railroad Construction Co. Inc. respectfully requests that the bid date be extended a minimum of three weeks from receipt of addendum 5.		
R561.	The Department has determined that the bid opening will be rescheduled to September 30, 2009.	F	5
Q562.	On drawing A1-120, the 4th Floor column line 21 Between Column line D & F8 shows wall type 26 on plan, however, detail 2/A326 shows masonry. Is this wall to be type 26? Please verify.		
R562.	Yes, type 26.	F	5
Q563.	On drawing A1-120, the 4th Floor column line F between column lines 11 thru' 17.8 shows wall type 26 on plan with no section detail. Is this wall to be type 26? Please verify.		
R563.	Yes, type 26.	F	5
Q564.	On drawing A1-117, the 3rd Floor shows exterior wall type 26 between Column line 10 Thru 17 at the south entrance. Is this the only place where this occurs? Please verify.		
R564.	Wall type 26 continues to column line 18 along column line C. Wall type 26 also occurs at column line F.8 between cols 19 & 21.7.	F	5
Q565.	A1-719: Do we use a soffit similar to detail 9/A719 for the hall skylights as well? Please verify.		
R565.	Details 6 & 7 on A1-719-0 (sheet 444-0) are for the hall skylight.	F	5
Q566.	Are we to assume that the majority of the column enclosures on the 3rd and 4th floors are drywall unless tied into a masonry wall? Please verify.		
R566.	Column enclosures are both CMU and CMU with gypsum board. Column enclosure schedules are added to dwgs A1-111-0.1 (sheet 339-0.1) through A1-120-0.1 (sheet 348-0.1) in Addendum No. 5.	F	5
Q567.	Please identify locations of structural steel encased in concrete that will receive the bituminous damp proofing as specified in specification section 07 10 13 paragraph 1.1-A-1b. Note that addendum 1 concrete section 03 30 00 paragraph 3.14-C mentions that all rusting, scaling, etc. should be removed from the steel which seems to indicate that the steel would be left exposed to bond to concrete.		
R567.	Please refer to Addendum No. 4, Revised Specification 05 10 00 - Structural Metal Framing, Paragraph 2.3 A. 3. for the coating system specified for steel columns encase in concrete. There is currently no structural steel encased in concrete that will receive the bituminous dampproofing.	F	5

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No.	Question Submitted	Status	Add. No.
Q568.	Please refer to sheet 441 detail 3 and answer the following: 1) Is waterproofing shown at the exterior face of the foundation wall actually damp proofing with no insulation as the typical foundation beam indicates on sheet 532? See also specification section 07 10 13 paragraph 1.1-A-1a. 2) Please explain, will insulation under slab will be 4" per detail 3 on sheet 441, or will it be 2" per details on sheet 532? 3) If it is determined that the membrane waterproofing is required at the exterior of the wall as indicated on detail 3 sheet 441, and sheet 532 is incorrect, is it the actual intent that the waterproofing will be carried beyond the exterior pavement and grade level to the base of the precast panel above? Note this will expose the waterproofing to view. 4) Will waterproofing be turned down interior side of the foundation wall full height as detail 3 on sheet 441 indicates, or will it terminate just 1' down as sheet 532 indicates? Please refer to optional curb detail indicated on sheet 524 and note that waterproofing appears to go the full height of interior side of wall, but Note 4 on the same sheet 524 indicates to see sheet 532 (S1-069) which indicates only a 1' turn down. 5) If it is determined that waterproofing will be required at the exterior face of the foundation beam walls, what will be the waterproofing requirements at the bottom of wall and what surfaces of the exterior pile cap shown on sheet 508 will receive waterproofing? Note if sheet 532 is correct, it would seem that the waterproofing would terminate 1' down the interior face of the pile cap.		
R568.	1) Typical Foundation Beam Detail on sheet 532 is correct. There is dampproofing on the exterior face of the exterior foundation beams. Damp proofing occurs everywhere the concrete is in contact with the soil and where waterproofing is not. This is stated in specification section 07 10 13 - Bituminous Dampproofing. 2) Insulation will be 4" for the first 8 feet under the slab then 2" for the remainder of the building footprint as per detail 3 on dwg A1-716-0 (sheet 441-0) revised in Addendum No. 4. 3) Typical Foundation Beam Detail on sheet 532 is correct. 4) Typical Foundation Beam Detail on sheet 532 is correct. 5) Typical Foundation Beam Detail on sheet 532 is correct. The waterproofing terminates 1" down the face of the foundation beam.	F	5
Q569.	Drawing # A1-113: Along Column line J the partition designation is 29 which is 8" CMU., however wall section A1-321, wall Sections @ "J" line does not show this partition. Does "J" line receive 8" CMU or not? If so, Please show the Interaction of this 8" CMU and the brace framing shown on the structural drawings.		
R569.	There is no CMU along column line J, dwgs A1-113-0 (sheet 341-0) and A1-114 (sheet 342) are revised in Addendum No. 5.	F	5
Q570.	In reference to the W 36x230 roof beams as shown on (S1-018 & S1-019). It appears that this size is no longer manufactured based on the 13th Edition of the AISC Steel Construction Manual. A W 36 x 230 is listed in older versions of the AISC Manual. It appears a W 36x231 would be the next closest size. Please confirm the correct beam size.		
R570.	W36x231 is an acceptable substitution.	F	5
Q571.	Please advise which pay item will be used to capture the costs of the Type AH fixtures shown on Drawing L1-709 (sheet 839). These fixtures are used to light the flagpole (bid items # 0992088A) and are fed from the guard booth (bid item # 0992035A).		
R571.	Payment for these fixtures shall be included in the bid price for the Maintenance Facility (Item #0100150A).	F	5

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No.	Question Submitted	Status	Add. No.
Q572.	The Electrical Branch Circuit Conductor Schedules, drawings E1-621 through E1-629 (sheets 769-777), delineate single phase power circuits as a 1 inch conduit with 2 #10 AWG and 1 #10 AWG ground. Is it the intent that each of these circuits be a dedicated conduit homerun or can multiple circuits be combined in a single conduit homerun as long as each circuit has a separate neutral per Note 15, drawing E10001 (sheet 722)? Please advise.		
R572.	Specific homeruns with conduits are required.	F	5
Q573.	We have performed a rather extensive overlay of the foundation systems for the building as well as utility work required for the project as the work pertains to ground water. Q & R #'s 10 and 163 are acknowledged. Based upon an allowable discharge of 500 gpm an extremely large "processing or holding tank" will be required to offset incoming vs. outgoing water. Considering durations of work and tidal fluctuations a storage area with the capacity of 1 million gallons plus will be required to comply with the discharge rate of 500 gpm. The anticipated footprint will exceed ¾ to a full acre of land? What area is the department considering for the storage and processing, as it is our understanding that the dewatering item transports the water to the inlet of the handling of contaminated groundwater? We will need the location in order to properly bid the Dewatering Item. Also the location and size of the holding tank will affect site logistics.		
R573.	The area just to the east of existing Building 10, which is the site of the former Filtration Plant ("The Onion"), is reserved for the CCO Shop dewatering equipment. The 8" force main discharge inlet pipe is also located in this area. Special Provision 0204503A - Dewatering is modified in Addendum No. 5 to increase the discharge rate limit as follows: "Note that the discharge will be limited to a maximum of 1000 gpm or as directed by the Engineer until December 1, 2010. The discharge will then be limited to a maximum of 500 gpm or as directed by the Engineer from December 2, 2010 until the project is completed due to consecutive projects within the railyard."	F	5
Q574.	Over the last several weeks The DOT has issued several addenda to the bid. Addenda 5 are still not received as of this date. The addenda are extensive and thus have created more work for the bidders and their respective subcontractor base. While the requested extension may delay the bid opening the Question and Response method will greatly reduce the amount of RFI's and potential change orders during the actual construction period effecting cost and time. Can the bid be extended an additional two weeks to October 14?		
R574.	The bid opening date will not be postponed, it will remain as September 30, 2009.	F	5
Q575.	Civil Plans GC-031 sheets 025 cites the possibility of having to utilize a tower crane or two to construct the facility. Based upon the costs associated with implementing a tower crane(s) can the DOT expand on its logic so bidders can be more informed? Is the utility roadway along the North West of the new building subject to the Railroad lines of influence by the tracks just north west of the utility road? Will a sizeable crane be allowed to travel and stay up during off shift hours along this road?		
R575.	a) Site constraints including proximity to the property line and adjacent utilities indicate that tower cranes may be required to reach all of the building footprint. The actual means and methods are left to the contractor. b) The line of influence from adjacent tracks extends down at a 1:1 slope from a point one foot off the end of the ties. c) Mobile cranes may operate within the roadway/utility corridor north of the building. Cranes left with booms in the extended position during off shift will require the approval of the Engineer if there is any possibility of fouling adjacent tracks.	F	5
Q576.	Clearing and Grubbing makes no mention of existing railroad tracks and ties that are in the work area. Are the contractors supposed to carry the removal of the railroad ties and track or is this a MNRR function? Who would retain possession of the track and ties? If the ties are to be disposed of what item would carry the disposal?		

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No.	Question Submitted	Status	Add. No.
R576.	a) All railroad tracks and ties will be removed by MNRR forces. b) Removed tracks and ties shall remain the property of MNRR. c) The ties remain the property of MNRR.	F	5
Q577.	Clearing and Grubbing and Securing, Construction and Dismantling of a WSA advise the contractor to remove existing blocks. Which item should the block removal / relocation be carried under? We are removing blocks during the early stages of construction then again at the removal of the WSA. Are both subject to the relocation of blocks within a thirty mile radius as the WSA Item describes? Are the blocks to be considered controlled materials?		
R577.	a) All concrete blocks located within the existing WSA shall be removed/relocated under item 0101128A - Securing, Construction and Dismantling of a Waste Stockpile and Treatment Area. All other concrete block removal shall be paid for under item 0201001A - Clearing and Grubbing. b) Yes. All concrete block removal/relocation within the WSA are subject to the 30 mile radius. c) No. The concrete blocks are not considered controlled materials.	F	5
Q578.	The Current WSA does not have an anti tracking pad. Item # 0101128A Securing, Construction and dismantling of a WSA states to install anti tracking measures at the WSA. Is the intent to cut out the existing pavement and install a tracking pad? If yes, would the tracking pad be paid for under the Securing and Dismantling of a WSA or under line Item # 0210100A? Anti Tracking Pad?		
R578.	a) The pavement at the existing WSA entrance shall be removed and the anti-tracking pad shall be installed. b) Payment for pavement removal and anti-tracking pad will be paid for under items 0202522A - Removal of Bituminous Type Pavement and 0210100A - Anti-Tracking Pad respectively.	F	5
Q579.	The concrete for the duct bank systems is 'dyed red.' Will the DOT accept a red stain in lieu of dyed concrete?		
R579.	Red stain will be acceptable in lieu of dyed concrete.	F	5
Q580.	In the document, you have specified in many areas "Systimax" or equal. Systimax is a CommScope brand, which is the company I represent. The cable (4 pair data) specified is a CMP-50 "limited combustion". Systimax /CommScope does not make such a cable due to very weak market demand. Will a "Low Smoke Zero Halogen" cable be acceptable? Will a plenum rated (CMP) cable be acceptable? If a LSOH (low smoke zero halogen) cable or plenum (CMP) is not acceptable, this will impact the warranty required under "Form 816 Article 1.20-1.06.08." CommScope not having a LC (limited combustible) cable, will not be able to provide a "system warranty" (one manufacturer providing a warranty for cable and connectivity) as required since CommScope has no warranty relationships with competitive manufacturers, i.e. BerkTex which is the spec or equal. Will DOT accept separate warranties from a cable manufacturer and connectivity manufacturer if LC (limited combustible) cable is the only acceptable cable design? For example, CommScope offers a connectivity only warranty and cable manufacturer A offers a cable only warranty. If further technical discussions are required on the differences on rated cables for LC, LSOH and plenum (CMP)- we would entertain such dialogue. I would imagine with a LC cable spec, the DOT has concerns with smoke and spread of fire. A LSOH and plenum cables have a lot of the same results of LC cables but are less costly than a LC cable.		
R580.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	

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No.	Question Submitted	Status	Add. No.
Q581.	Is a Factory Mutual (FM) listing a requirement for this project? If so, specification section 084513 Insulated Translucent Sandwich Panel Skylight System will not be competitively bid. The specification lists Kalwall and Structures Unlimited, but they are one in the same (same company). Major Industries, Inc. is the only other equal manufacturer that produces this product		
R581.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q582.	Is a Class A Roof System (UL 790) a requirement? This is a concern due to the performance results of a Class A Roof System (UL 790) exterior sheet. As specified, the exterior face sheet shall not change color more than 7.0 CIE Units DELTA E by ASTM D-2244 after 30 months..... A standard Non-fire rated exterior sheet will not change color more than 3.0 CIE Units DELTA E after 5 years. A UL 790 exterior face sheet will change color more than twice as fast in half the time at a much greater cost to the project. Major Industries standard exterior sheet has a color change of only 2.23 CIE Units DELTA E after 15 years, which is unmatched by our competitor.		
R582.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q583.	In Part 2.2.A.2.a Flamespread, the specification calls for a flamespread rating no greater than 10. Should this rating actually be 20 for a CC1 rated sheet? Major Industries as well as Kalwall have a Flame Spread rating of 20 for a CC1 rated sheet.		
R583.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q584.	Part 2.3.A- Light Transmission: 20%, Solar Heat Gain Coefficient: .20 and a .29 U-factor by NFRC Certified Laboratory using a crystal exterior sheet and a white interior sheet. Major Industries has a Light Transmission of 25% and a SHGC of .21 and a .20 Center of Panel U-Factor. Are the Major Industries rating listed here acceptable, which exceed the specified ratings?		
R584.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q585.	Part 2.4.E Shop Finish: Is a 2604 shop finish necessary on the interior aluminum since a custom intumescent paint, grayish-white color is to be brush applied? Kynar products are a member of the Teflon family, which could hinder or prevent the brush applied intumescent paint from adhering to the kynar finished interior aluminum.		
R585.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q586.	We request that the response to Q/R: 446 is added to the contract documents.		
R586.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	

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No.	Question Submitted	Status	Add. No.
Q587.	Sheet no. 471 General note #7 states that reinforcing steel in structural slab shall be weld-able steel. Does this mean all slab reinforcing to be grade A706? Will grade beams reinforcing be grade A706?		
R587.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.		I
Q588.	One-way slab schedule on sheet no. 473, marks 'A' & 'E' indicates top bars for continuous & non continuous ends. The slab plan on sheet no. 471 shows these marks occur in non-continuous conditions. Where will continuous conditions occur?		
R588.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.		I
Q589.	Two-way slab schedule reinforcing is additional reinforcing as noted on sheet no. 473. On slab plan drawings, sheet no. 471 between column lines 3 & 4, H.2 to F.9, marks M2 & C2 have a typical notation near them. Does this mean that only this additional reinforcing is required between column lines 2 & the exist twin box culverts?		
R589.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.		I
Q590.	Is reinforcing required for the cont. pile caps at the exist. twin box culverts on sheet no.471?		
R590.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.		I
Q591.	Please advise which pay item will be used to capture the costs of the Type AH fixtures shown on Drawing L1-709 (sheet 839). These fixtures are used to light the flagpole (bid items # 0992088A) and are fed from the guard booth (bid item # 0992035A).		
R591.	See response to Question 571. The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.		I
Q592.	The Electrical Branch Circuit Conductor Schedules, drawings E1-621 through E1-629 (sheets 769-777), delineate single phase power circuits as a 1 inch conduit with 2 #10 AWG and 1 #10 AWG ground. Is it the intent that each of these circuits be a dedicated conduit homerun or can multiple circuits be combined in a single conduit homerun as long as each circuit has a separate neutral per Note 15, drawing E10001 (sheet 722)?		
R592.	See response to Question 572. The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.		I
Q593.	Is the under slab trenching for utilities (electrical, sanitary, storm, water, etc) within the Component Change Out Shop to be included in item # 0100150A Maintenance Facility or will it be paid under another bid item?		

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R593.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q594.	Specification section 033000 "Cast in Place Concrete", Section 2.5.C "Recommended mix designs and concrete admixtures". This table has a column labeled "Sealer", which is to be included at the Structural Slab on Ground, 2 nd floor slab, Composite slabs, curbs, toppings and steel column encasements. As this chart is entitled admixtures, please explain what admixture is a sealer. If this is in fact a topical application, rather than an admixture, further explanation is also required, as the ground floor, and 2 nd floor slabs are largely covered with resinous flooring as specified in section 096723, and the column encasements are painted.		
R594.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q595.	Column Encasements- Drawing S1-064 (sheet 527) indicates a mi. of 2" concrete cover around the column to be encased. Drawing A1-708 (sheet 433) detail 5/A1-111 indicates the encasement is 1'-0" wide. X 1'-9" deep. This column at J-2 is a W18x175 with a width of 11.375" and a depth of 20.040", add the 2" cover to each side and the width of the encasement should be 15.375", x 24.040" yet the detail calls for a width of encasement of 12" x 21". Are we to follow the stated dimensions on the architectural drawings or the min. cover requirements on the structural drawings? Please advise, bearing in mind that this discrepancy occurs in other locations also.		
R595.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q596.	Stair 7 drawing at 4th floor 1/A1-159-0.1 shows wall tag [27] along column line 'C' and is hatched as CMU. There is no wall type [27]. The North and East walls of Elevator Mach Room 447 are tagged as wall type [29]. Addendum 4 4th floor plan A1-120-0.1 shows these walls tagged as wall type [26], exterior metal studs. Addendum 4 wall sections 1/A1-327 and 2/A1-326 both show metal studs. Please clarify what wall type is required.		
R596.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q597.	When the last day is for RFI's to be submitted and answered?		
R597.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q598.	On sheet 345 there is a room that is unidentified. It is located at column line G12. Please provide a room number and finish schedule.		
R598.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	

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Q599.	On sheet 345 the lobby is not labeled. Please provide room number and finish schedule.		
R599.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q600.	On sheet 345 Room 304 is listed as CDOT Open Office Area Operations A. On the finish schedule Room 304 is labeled as not used. Please clarify which is correct. Should this area marked as Room 304 be included in Room 311?		
R600.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q601.	Please forward a list of Prime bidders on this project.		
R601.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q602.	With respect to the answer (A 163) provided in Addendum No.4, more clarification is needed regarding the conveyance of groundwater. Will components including but not limited to: header pipe(s), booster pump stations, intermediate holding tanks, etc. be paid for under Item 204210A (Handling Contaminated Groundwater), or Item 0204503A (Dewatering). Please provide further clarification/ intent of both these respective item's "method of measurement".		
R602.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q603.	The recent change in the Bid Opening- Date for the above contract is a great help. We feel however, that an additional extension of two more weeks would allow us to prepare and submit the most economical bid to the State. Would an additional extension be possible?		
R603.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q604.	Will "Johnson Controls/ York" be acceptable for spec section: 237417, 237200 & 233600?		
R604.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q605.	Do the Piles need to be cleaned prior to pouring pile caps?		
R605.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	

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Q606.	Is it the design intent to isolate the pile concrete from the pile cap concrete?		
R606.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q607.	Please detail the terminations and interaction between the concrete pile coating and the specified under slab waterproofing.		
R607.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q608.	Please detail under slab waterproofing terminations at pile cap rebars.		
R608.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q609.	Can the specified under slab waterproofing be placed on top of the pile caps?		
R609.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q610.	On drawing S1-069 typical pit detail shows the piston sleeve waterproofing. Is it the intension to waterproof the sleeves directly on the steel prior to placing them in the excavation?		
R610.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q611.	The specifications for above ground sanitary waste & vent piping (221316-3/2.4) call for all pipe & fittings sized 2" & down to be Galvanized threaded. Please confirm this requirement in lieu of the industry standard of No-Hub Cast Iron.		
R611.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q612.	Drawing A1-104.1-0- Fireproofing Note A-4 denotes room 103 (Stair #1) as type F-2 occupancy requiring concrete encased columns. Yet, note D indicates exposed structural steel in Stair #1 is coated with intumescent paint. If this column requires concrete encasement, the elevation of the top of encasement will be required. Please clarify.		
R612.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q613.	Where is the floor plan for the mezzanine level located?		

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R613.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q614.	Please list at least three manufacturers that can furnish the catenary products made in the USA.		
R614.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q615.	Metal Dek Group, a unit of CSi can furnish and deliver all of the metal deck types needed for this project. In doing so, I have reviewed the project bid specifications and drawings and would like to request pre-bid approval for our metal deck products not originally specified. Along with all the standard roof and composite floor decks we can offer our acoustical composite floor deck as being equivalent to the Epic Metals, Epicore A product specified. This would ensure cost effective competition for the project. The Metal Dek Group, a unit of CSi, requests the following composite floor deck products: Versa-Dek S Acoustical Composite and Composite Floor Dek 2 be Approved as an Equal. Also, we are requesting the following roof deck products: N-Dek Acoustical, N-Dek and B-Dek be Approved as an Equal. The Metal Dek Group, hereby certifies that all of our Metal Deck and Accessories are designed and manufactured in accordance with the Standard Deck Specifications of the Steel Deck Institute (SDI). All section properties and load tables are determined using the American Iron and Steel Institute's " Specifications for the Design of Cold-Formed Steel Structural Members", 2001 Edition (2004 Supplement). You will find our metal deck product is equal to or better than the specified steel deck product when comparing section properties, maximum construction spans and load carrying capacity.		
R615.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q616.	In question Q541 the response to the first part of the question was; "R541. To the elevation where required capacity is reached, as long as any minimum depth requirements are met." What is minimum depth requirement?		
R616.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q617.	Drawing S1-004-0.2 indicate sections on Drawing S5-027. Please provide this drawing and sections.		
R617.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q618.	At Stair #7 the elevation of the top of the pile cap is at -4'-6". Column F.9-17.7 bears on this pile cap. The column schedule indicates that the bottom of base plate is at elevation 10'-6" (-1'-11"). Is there a pier at this location to make up the discrepancy in elevations from the top of cap to the bottom of the column?		

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R618.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q619.	At Stair #7 (elevator #5) the elevation of the top of the pile cap is at -2'-0". Should this be at elevation -4'-6" (like stair #7) to accommodate for the elevator? And if the elevation is at -4' 6" will a pier be required at column C.8-21?		
R619.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q620.	Can the contractor assume that anywhere on the project where temporary earth retention is required that the work will be paid for by 0714050A Temporary Earth Retention system? The only exception would be the stay in place sheeting for the deep side of the Pumping Station (Sanitary Sewer). Please confirm.		
R620.	You are correct, however the Contractor will not be paid for installations at locations not approved by the Engineer. The specification for item 205003A - Trench Excavation 0'-10' Deep and item 205005A - Trench Excavation 0'-15' Deep has been modified in Addendum No. 5 to clarify this point. The revised specification states "When it becomes necessary, in the opinion of the Engineer, to install temporary earth retaining system for the support of existing facilities, pavement, utilities, or for other constraints, such installation shall be paid for under item Temporary Earth Retaining System."	F	6
Q621.	On the plumbing drawings and riser diagrams each fixture is shown as having individual piping drops from the fixture to the main water line. Can the main branch off at full size and drop down into the chase and run horizontally to pick up all fixtures at the lower elevation.		
R621.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q622.	Drawing P1-113, along column J-19, shows the 3" SPD piping to be in containment piping and refers to drawing UD-006. We cannot locate drawing UD-006. Please advise.		
R622.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q623.	Drawing P1-001 Note 20, refers to drawing S1-052 for underground support. This drawing is a brace frame drawing. Please provide correct reference.		
R623.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q624.	Drawing P1-174 refers to a ball joint expansion joint. Please provide specification and schedule for these joints.		

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R624.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q625.	The specifications for above ground sanitary waste & vent piping (221316-3/2.4) call for all pipe & fittings sized 2" and down to be galvanized threaded. Please confirm this requirement in lieu of the industry standard of no-hub cast iron.		
R625.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q626.	Specification section 221219-6 Item I calls for a master panel. Please provide list of what functions will be housed in this master panel or if a panel is required for each function.		
R626.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q627.	Specification sections 221219-2 & 3 call for engineering services regarding the tanks. Is this meant to be the responsibility of the tank manufacturer or part of the installation.		
R627.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q628.	The Acoustical Ceiling Grid specifications list a 9/16" product as 'Fineline' by USG or 'Suprafine' by Armstrong. Fineline is a slotted grid and Suprafine is a flat 9/16" grid. Please advise as to the correct grid.		
R628.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q629.	The latest bid postponement has pushed the revised bid date to the Wednesday following the Columbus Day holiday. This will make it difficult to prepare for the bid as we expect many of the subcontractors will not be working that Monday. Would it be possible to move the bid date to the 21 st to avoid the impact of the holiday weekend?		
R629.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q630.	provide the door information for this double door and renumber as necessary. (???)		
R630.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	

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No.	Question Submitted	Status	Add. No.
Q631.	Outside of elevator # 2 on levels 2,3,and 4 door #s 2.65 , 3.44 , and 4.60 seem to be storefront however the door schedule and enlarged plans of the south entrance levels of the floor plan show conflicting differences to the schedule and to each other on the forth floor dr # 4.60 is aluminum storefront ,please clarify.extent & elevation.		
R631.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q632.	Outside of elevator # 5 on the 1st floor ,mezzanine, 2nd floor and third floor door #s 1.36,2.103,m.04,and 3.93 seem to be storefront but are conflicting with the schedule and elevations ,the forth floor dr # 4.34 is aluminum storefront ,please clarify.extent and elevation.		
R632.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q633.	In room 257 door # 2.116 is calling to be storefront however there are windows at this level to the right and left side drawing a1-116-0-1 please clarify.the extent and elevation.		
R633.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q634.	In reference to the 6% DBE Requirement. The list of CT DOT certified Disadvantage Business Enterprises (DBE) is 330 companies. Of this there is only 110 directly related to the actual construction field. Of this more than 3/4 of them are not directly related to the actual construction of buildings. Being that the building construction for this project is potentially over half the cost of the overall project; will the DOT consider the following 1) Allow State of Connecticut Set-Aside approved DBE's or 2) reduce the overall percentage?		
R634.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q635.	As the project manager, can you tell me how I can get my boilers to be considered for approval for use on the New Haven Rail Yard Component Changeout Shop 301106? I would like to be considered "An Approved Equal". The due date is now 10/14/09. I did email you already but this is a follow up. Can you advise? Thanks for you time and consideration.		
R635.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	

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No.	Question Submitted	Status	Add. No.
Q636.	Please confirm the CT ratios and accuracy required per the requirement below. 14. Instrument Transformers a. Instrument Transformers shall conform to ANSI C57.13. b. The rectifier transformer shall be provided with three multi-ratio bushing type current transformers rated 15 kV installed on the primary winding side of the rectifier transformer. The current transformers shall be capable of withstanding the thermal and mechanical rating of the circuit breaker. Current transformers shall have a full-wave impulse level of 110 kV for 13.8 kV services. Secondary terminal blocks shall have covers with integral shorting bars. Current transformers shall satisfy the requirements for relaying accuracy classification under burdens imposed by the metering and relay devices.		
R636.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q637.	Would you please clarify whether Flood Insurance will be required as part of the builder's risk? If so what would the limits be? What would the maximum deductible be?		
R637.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q638.	On DWG A1-201-0.2 -legend note #15 has a CONN DOT Signage listed. Please provide a detail/design of this sign.		
R638.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q639.	On item # 0980300A Utility Monitoring, we have been approached by several contractors for a price on this item. However there are no measurements for the amount of sediment in the 6x6 culvert. It's imperative that we know what amount of sediment is in this culvert for it affects the pricing. In addition, can the exact amount of feet involved in this item be spelled out. Is it a total of 600 feet or 400 feet of the 6x6 and 200 for the other? Please see if we can get answers to their questions.		

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No.	Question Submitted	Status	Add. No.
R639.	The exact amount of sediment in the existing 66-inch Brick Culvert and existing twin box culverts is unknown. Inspection Videos from 1999 and 2008 are available to be viewed at the Department's Contracts Section. Sediment quantity for bidding purposes should be determined from these videos. The limits of the cleaning and video inspection for the culverts are provided below for clarification: 1) Upstream limit in 66-inch brick: manhole adjacent to EMU Shop (Structure No. D05-042). 2) Upstream limit in twin box culvert: manhole near EMU Shop (Structure No. D05-047). 3) Downstream limit in 66-inch brick: manhole adjacent to property line at junction of 66-inch brick and twin box culvert (Structure No. D05-079). 4) Downstream limit in twin box culvert: manhole at junction of Long Wharf Street storm drain and twin box culvert (Structure No. D08-048). 5) Included in these limits is the section of twin box culvert that connects the downstream end of the 66-brick culvert (Structure No. D05-079) to the main section of the twin box culvert that crosses the rail yard. This results in the following approximate lengths of culverts to be cleaned and video inspected: 1) 66-inch culvert (Structure No. D05-042 to Structure No. D05-079) = 450 feet 2) twin box culverts (Structure No. D05-047 to Structure No. D08-048) = 1380 feet x 2 3) twin box connector culverts (Structure No. D05-079 to junction with twin box) = 190 feet x 2 These lengths may vary slightly and should be confirmed by the Contractor during the bidding process.	F	6
Q640.	0702109A Pre-Auguring of Plies: Please confirm that the areas where the pre-auguring of piles occurs is in the AOEC, and any spoils & slurries will be disposed of in accordance with item # 0101117 Controlled Materials Handling, # 0101130A Environmental Work- Solidification and # 0204210A Handling Contaminated Groundwater.		
R640.	Any pile located within 15 feet of the edges of the twin box culverts or the 66-inch brick culvert must be pre-augured. If the pre-augured pile is located within the limits of the AOEC as shown on dwgs ENV-04 (sheet 942) thru ENV-07 (sheet 945) all the excavation spoil and drilling slurry shall be disposed of in accordance with Item No. 0101117A - Controlled Materials Handling, Item No. 0101130A - Environmental Work - Solidification and Item No. 0204210A - Handling Contaminated Groundwater.	F	6
Q641.	Addendum #5 Item #0205003A & #0205005A - Trench Excavation: In section denotes: the contractor shall be aware that there are designated archaeological sites within the New Haven Rail Yard. Excavations shall follow the requirements of article 1.10.06 of the Standard Specification Form 816A. "Where are the designated archaeological sites within the New Haven Rail Yard project (Component Changeout Shop)?"		
R641.	There are no designated archaeological sites located within the construction limits of the Component Change Out Shop Project.	F	6
Q642.	Please confirm guardrail, handrail & wire cable at stair #4 and 4th floor to be stainless steel. Or, is it only the wire cable to be SS steel ?		
R642.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	

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No.	Question Submitted	Status	Add. No.
Q643.	Reference Detail 7/S1-013: Please provide details for the 3/8" cable continuous from column lines 1 – 19. How is it attached to the posts, and tensioned?		
R643.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q644.	Please list at least three companies that sell the overhead catenary line materials that are manufactured in the United States.		
R644.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q645.	HVAC systems indicate a plenum return in most office areas. Specification 04 22 00 and the wall types indicate all partitions go to deck unless noted otherwise. Are openings in the CMU above the ceiling line required for plenum airflow, or will the non-separation walls stop above the ceiling and short of the deck? Please confirm the opening sizes and locations required, or call out the walls that terminate just above ceiling elevation.		
R645.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q646.	Addendum 5 removed wall type 29 from the south wall of room #135. Is wall type 31 intended to extend to this area? Will wall type 31 end at C.3-12?		
R646.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q647.	In Addendum #5 wall section 1/A1-323-0.1 at the 2nd floor on 2 line between G-G.5 adds 12" CMU to roof. On the 2nd floor plan A1-115-0.2 wall type 29 remains (8" CMU). Addendum 5 indicates that the top course stops at approximately 17'-11" [sill of translucent panel in adjacent wall]. Does the 12" CMU (wall type 30) apply only at 2/G-G.5? Is the intent to provide fire separation for the south side of stair #1 along 2 line rather than along G.5?		
R647.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q648.	All CMU within stair #1 appears to be removed except for wall type 4.2 along H and 2 lines up to approximately Elev 64'. Is this a correct interpretation of the revised documents?		
R648.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	

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No.	Question Submitted	Status	Add. No.
Q649.	Reference Insurance Requirements: The term Structural Injury Insurance is not a term that we are, nor are our insurance partners, aware of. We would like an explanation of the intent of the coverage, how it is triggered, and how it differs, (if it differs), from general liability insurance. We interpret Item 12 to mean that Structural Injury insurance is equivalent to general liability insurance.		
R649.	The requirements for Structural Injury Insurance are removed. Article 1.03.07 – Insurance in the Special Provision for Section 1.03 – Award and Execution of Contract is completely revised in Addendum No 7.	F	7
Q650.	There is a statement that “Insurance required under this Contract shall not contain a deductible clause.” This is not reasonable, nor is it found in typical construction contracts. It is more common for contractors to have deductibles on worker’s compensation and liability policies and certainly on builder’s risk policies. The marketplace expects a contractor to accept a certain level of deductible. We request that this statement be removed.		
R650.	This statement is removed. Article 1.03.07 – Insurance in the Special Provision for Section 1.03 – Award and Execution of Contract is completely revised in Addendum No 7.	F	7
Q651.	11 52 13 Projection Screens: Adden #4 list projection Screens in Offices 334 & 335, should these be in the training rooms 344 & 345 instead?		
R651.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q652.	I need to know the exact amount of footage for the cleaning of the 66 inch brick culvert.		
R652.	See response to Question 639. The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q653.	In response to question 572 issued with Addendum No 5, can multiple branch circuits utilizing dedicated neutrals be combined into one single conduit homerun from the locations served to the panelboard?		
R653.	See response to Question 572. The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q654.	In response to question 572 issued with Addendum No 5, it is our understanding that each and every circuit called out on the electrical branch circuit conductor schedules are to have individual dedicated conduit homeruns per circuit breaker with no combining of circuits to be allow. Is this correct?		
R654.	See response to Question 572. The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	

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No.	Question Submitted	Status	Add. No.
Q655.	On the door schedule under material, what is S.T. & STL?		
R655.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q656.	Door # 2.18 in room 208 is on a 2 hr rated wall; is it a fire door?		
R656.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q657.	The two packaged counter fire shutters on the wall between Rm 139 & 140B.- what are the sizes? Or are they shown on schedule as 1.11 & 1.12? If so, what are the size of the two face mounted doors at the same location?		
R657.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q658.	On comm /IT cabling riser diagrams please clarify what cabling is to be provided between the layer 2/3 switch and the FOPP, the link is depicted with an unidentified circle with 2 arrows inside of it?		
R658.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q659.	Also, on the same diagrams they call out "Multiple 1Gb Ethernet (WAN)" what is required for cabling?		
R659.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q660.	ON COMM/IT part plans C1-801, 802, & 803 please clarify what is to be an open frame rack and what is a cabinet.		
R660.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q661.	What size plate is required and what are the attachment details for plate illustrated on the bottom of the WF beams at details 26 thru 30 /A703?		
R661.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q662.	Tunnel Hill Reclamation has recently been notified that we are now an approved landfill for the CT DOT. To that end, I was wondering how our firm could be added to the portion of the specifications for Bid No. 301-106.		

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No.	Question Submitted	Status	Add. No.
R662.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q663.	Please verify, typical beam penetrations details and the davit detail on S1-64, are not required. The mechanical drawings do not appear to indicate any penetration locations. And I cannot find any davit locations on the roof plans.		
R663.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q664.	Please clarify. Detail A/S1-057 shows Mc18's on intersecting beam. This appears to be just to carry the offset brace above the beam for the bracing along column lines J and H.2 with the crane rail columns. Is this detail to be used without the MC18's at other braces that do not have the offset bracing? Or do we follow that detail complete regardless?		
R664.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q665.	Please clarify detail 6/A1-716, the material supporting the metal deck appears to be wedge shaped. The structural details do not infer this.		
R665.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q666.	Please verify item 5.10 from the Key notes on dwg A1-321 etc. are not furnished or installed by structural steel fabricator, since they are not sized.		
R666.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q667.	Please verify items 17, 18, 19, from the legend on dwg A1-708 are not furnished or installed by structural steel fabricator, since they are not sized. Also the tubes and supporting clips and wind girts at details 2,3,4/A607. These items are not shown on structural.		
R667.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q668.	Please provide details for the 3/8 cable continuous from col lines 1 - 19, drawing S1-013 detail 7. How is it attached to the posts, and tensioned?		
R668.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q669.	Please provide details for plate shown attached to the bottom of the WF beams at details 26 thru 30 /A703. WHO INSTALLS?		

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R669.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q670.	In you Specifications for Lift, Rail car, In-Ground, Section 14 45 00 it is not clear on how the negative return should be handled for the Body stands. How should the contact be established? Could you please advise so that we can quote accordingly? Thank you.		
R670.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q671.	Specification section 05 10 00 subsection 3.2.J page 118 indicates that "all field welding shall be done by manual shielded metal-arc welding only." We feel it may be necessary to utilize flux core arc welding (FCAW) and will effect our price dramatically if it cannot be used for field welding. Please confirm that FCAW will be allowed in addition to SMAW for all field welding.		
R671.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q672.	Certain existing utilities are designated "X", to be removed while others are designated "A", to be abandoned. Exactly what is required to remove or abandon any specific existing utility?		
R672.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q673.	There is a 40,000 gallon Holding Tank shown on plan 6, Northeast of the new CCO shop. The tank is detailed on UM-022, (sheet 171). What item will the tank and incidental items be paid under?		
R673.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q674.	Sheet 137-0 (drawing UE - 007 - 0), at the Southwest corner of the of the Component Change Out Shop there is a gas line shown ending where the line turns to enter the building. Sheet 135 - 0, (drawing UE - 005 - 0) shows the gas line continuing to meet the existing 6" gas line beyond the building. The profile shown on sheet 138, (drawing UE – 011), also shows the gas line continuing on to meet the existing 6" gas line beyond the building. Which is correct?		
R674.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q675.	It is unclear which specific utility is to be removed on sheet 137 - 0, (drawing UE 007 - 0), the row of X's running North-South from point G1 - 10 (which is approx. 30 feet west), to just East of the Guardhouse wanders from one utility line to another. Please clarify which utility is to be removed.		

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R675.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q676.	There seems to be no profile shown for the Electrical duct run shown on sheet 135-0, (drawing UE - 005 - 0) starting at the Hallock Substation and terminating at the Traction Power MH – 15. Please clarify.		
R676.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q677.	There are various rock excavation items listed on the bid sheet which total some 4,200 cy. The project borings however do not indicate bedrock within the confines of any of the site excavations. Neither do the borings indicate boulders or existing foundations. What then is the nature of the rock excavation anticipated in these rock excavation items?		
R677.	See response to Question 299. The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q678.	2.3 Exposed Intumescent Mastic Fire-Resistive Coating B+C Sections Can we submit our equal for shop applied and exterior exposed Intumescent fireproofing?		
R678.	See response to Question 6. The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	
Q679.	Spec section 26 09 13 " Electrical Power Monitoring & Control ". There is a rather elaborate spec but there are no drawings that I can see that identifies such a system. The Power Monitoring is not reflected on the one-line. Do you have any information as to what is required?		
R679.	The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.	I	

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No.	Question Submitted	Status	Add. No.
Q680.	<p>There seems to be some discrepancy between the specifications and drawings regarding the guard booth on the New Haven Rail Yard project. Can you please advise which one to follow? Below are the discrepancies we found in graph format.</p> <p>ROOF SPEC'S- NO MENTION OF DESIGN – REFERS TO A.M. STD FLAT ROOF MATERIALS WITH STD PERIMETER GUTTER DRAWING- SLOPED OUR COMMENT- IF SLOPED IS REQUIRED STEEL CONSTRUCTION IS PREFERRED</p> <p>CEILING SPEC'S- A.M. STD DESIGN DRAWING- ACOUSTIC TILE OUR COMMENT- A.M STD PREFERRED</p> <p>WALL PANELS SPEC'S- A.M. STD ALUM CONSTRUCTION DRAWING- CMU WITH TEXTURED AND/OR RIBBED PANELS AND COMPOSITE METAL BAND OUR COMMENT- A.M STD PREFERRED – NO SPECS PROVIDED ON TEXTURED/RIBBED</p> <p>FLOOR SPEC'S- LINOLEUM OR “CONCRETE”?? DRAWING- RUBBER TILE OUR COMMENT- NEED CLARIFICATION – SUPPLIED WITH CONCRETE FLOOR?</p> <p>STRUCTURAL FRAMING SPEC'S- MENTIONS STD A.M. EXTRUSIONS BUT ALSO MENTIONS COLD-ROLLED STEEL SHAPES AS ALTERNATE OUR COMMENT- IS THIS WHERE WE SWITCH TO STEEL CONSTRUCTION? – IF YES, WE WOULD THEN PROVIDE STD STEEL PANELS VS. ALUMINUM</p> <p>WIRING SPEC'S- WITHIN WALL OUR COMMENT- OUR STD IS SURFACE MOUNTED</p> <p>AIR COND SPEC'S- 2 ROOF MOUNT DRAWING- OFFSET LOCATION OUR COMMENT- PREFER CENTRALLY LOCATED UNITS TO AVOID ANY DUCTING BUT THIS MAY CONFLICT WITH SLOPED ROOF</p> <p>AC PARAPET SPEC'S- NO MENTION DRAWING- SHOWN OUR COMMENT- NO SPECS ON MATERIALS – COMPLICATES ROOF</p>		
R680.	<p>The Department is committed to holding the October 14, 2009 bid opening. This question has been reviewed by Department staff and the designer. It has been determined that the overall impact to the project is not significant, and there is insufficient time to address this question and issue a formal addendum. Therefore, a postponement of the bid opening date is not warranted.</p>		

**No more questions will be added, this is the last update to this file prior to the
10/14/09 Bid Opening.**

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