

Addendum No. 2

April 25, 2023

CSI Diesel Mechanics Facility

This addendum addresses the following:

- Bidder Questions
- Construction Document Revisions

Attachments

- Revised Bid Packages
- INTEGRUS Addendum No. 2, Dated April 25, 2024

End of Add. No. 2

CSI Diesel Mechanics Facility - Addendum No. 2				
Bids to Starr Corporation by May 2, 2024 at 2:00PM				
Bid Package No.	Package Description	Spec Section	Description	Additional Comments - (All items include material, labor, and equipment for installation, unless noted otherwise). Addendum No. 2 comments in red text.
BP-01 CONCRETE				
	Concrete	Division	GENERAL REQUIREMENTS	All sections to be included in their entirety.
	Concrete	031000	Concrete Forming & Accessories	
	Concrete	032000	Concrete Reinforcing	
	Concrete	033000	Cast-In-Place Concrete	Excavation and backfill included. Placement of gravel base under the building SOG is included in this package. Gravel supplied by others. Includes installation of interior and exterior bollards provided by others. Includes installation of anchor bolts provided by others.
	Concrete	033500	Concrete Finishing	Concrete sealer by others.
	Concrete	033900	Concrete Curing	
	Concrete	036000	Grouting	
	Concrete	071100	Damproofing	
	Concrete	072113	Board Insulation	Foundation insulation only.
	Concrete	079000	Joint Protection	Applicable to this scope of work, only.
	Concrete	321313	Concrete for Exterior Improvements	Includes all site concrete. Concrete mow curb for landscape by others. Includes concrete foundation and steel post install for screen fence. Steel posts provided by others. Concrete for canopy shade structure to be included in alternate #3.
BP-02 MASONRY				
	Masonry	Division	GENERAL REQUIREMENTS	All sections to be included in their entirety.
	Masonry	040503	Masonry Mortaring and Grouting	
	Masonry	042019	Veneer Unit Masonry	Base and thru wall flashing included. Steel lintels furnished and installed by others.
	Masonry	079000	Joint Protection	Applicable to this scope of work, only.
BP-03 METAL BUILDING SYSTEMS				
	Metal Building Systems	Division 1	GENERAL REQUIREMENTS	All sections to be included in their entirety.
	Metal Building Systems	051200	Structural Steel Framing	Includes all tube steel framed openings, lintels, steel mezzanine, interior metal wall panels, and steel for roof screen. Screen fence steel structure included. Screen fence posts to be provided to concrete contractor to install in concrete pier.
	Metal Building Systems	053123	Steel Roof Decking	
	Metal Building Systems	055000	Metal Fabrications	Metal bollards to be supplied in this package. Install of bollards by others.
	Metal Building Systems	055200	Metal Railings	
	Metal Building Systems	072130	Pre-Engineered Building Insulation	
	Metal Building Systems	108213	Roof Screens	
	Metal Building Systems	133419	Metal Building Systems	Includes bridge crane support beam as indicated on sheet S102B and shown in elevation -5/S201. Continuous edge support member per details 7-12 on sheet S302 included. Structure for roof screen by others. The roof screen will be connected to the PEMB structure. Includes metal panels for fence. Canopy shade structure and panels to be included in alternate #3.
	Metal Building Systems	146000	Cranes & Hoists	Bridge crane shown on drawing A101B. This packages is also inclusive of the installation of Jib Cranes and the Dyno that are supplied by the owner. Jib Cranes and Dyno shown on drawing A101C.
	Metal Building Systems	079000	Joint Protection	
BP-04 ROUGH CARPENTRY				
	Rough Carpentry	Division	GENERAL REQUIREMENTS	All sections to be included in their entirety.
	Rough Carpentry	061053	Miscellaneous Rough Carpentry	Includes plywood and 2x furring & blocking at top of parapet walls.

	Rough Carpentry	062000	Finish Carpentry	Plywood Wall Sheathing
	Rough Carpentry	079000	Joint Protection	Applicable to this scope of work, only.
BP-05 MILLWORK				
	Millwork	Division	GENERAL REQUIREMENTS	All sections to be included in their entirety.
	Millwork	064100	Architectural Woodwork	Includes backing as needed for cabinets and tops. Includes stainless steel countertops and bench
	Millwork	066500	Solid Surfacing	
	Millwork	079200	JOINT SEALANTS	Applicable to this scope of work, only.
BP-06 ROOFING				
	Roofing	Division	GENERAL REQUIREMENTS	All sections to be included in their entirety.
	Roofing	074213	Metal Wall Panels/Siding	Metal building system wall and roof panels by others.
	Roofing	075305	Elastomeric Membrane Roofing	Includes Guaranty and Warranty per specifications.
	Roofing	076200	Sheet Metal Flashing & Trim	
	Roofing	077100	Roof Specialties	
	Roofing	077233	Roof Hatches	
	Roofing	079000	Joint Protection	Applicable to this scope of work, only.
BP-07 DOORS & HARDWARE				
	Doors and Hardware	Division	GENERAL REQUIREMENTS	All sections to be included in their entirety.
	Doors and Hardware	081214	Standard Steel Frames	Supply & Install
	Doors and Hardware	081314	Standard Steel Doors	Supply & Install
	Doors and Hardware	081416	Flush Wood Doors	Supply & Install
	Doors and Hardware	087100	Door Hardware	Hardware for this scope of work, only. Supply & Install.
BP-08 OVERHEAD COILING DOORS				
	Overhead Coiling Doors	Division	GENERAL REQUIREMENTS	All sections to be included in their entirety.
	Overhead Coiling Doors	083323	Overhead Coiling Doors	
	Overhead Coiling Doors	083613	Sectional Doors	
	Overhead Coiling Doors	079000	Joint Protection	Applicable to this scope of work, only.
BP-09 ALUMINUM FRAMED ENTRANCES & STOREFRONTS				
	Aluminum Framed Entrances & Storefronts	Division 1	GENERAL REQUIREMENTS	All sections to be included in their entirety.
	Aluminum Framed Entrances & Storefronts	084113	Aluminum Framed Entrances and Storefronts	Storefront at north wall of On-Road Diesel to be included in Alternate #1.
	Aluminum Framed Entrances & Storefronts	087100	Door Hardware	Hardware for this scope of work, only.
	Aluminum Framed Entrances & Storefronts	088000	Glazing	Includes all glazing for steel and wood doors and frames.
	Aluminum Framed Entrances & Storefronts	079000	Joint Protection	Applicable to this scope of work, only.
BP-10 GYPSUM BOARD SYSTEMS				
	Gypsum Board Systems	Division	GENERAL REQUIREMENTS	All sections to be included in their entirety.
	Gypsum Board Systems	054000	Cold-Formed Metal Framing	
	Gypsum Board Systems	061600	Sheathing	
	Gypsum Board Systems	066400	Plastic Paneling	
	Gypsum Board Systems	072113	Board Insulation	For exterior wall application.
	Gypsum Board Systems	072116	Blanket Insulation	
	Gypsum Board Systems	072500	Weather Barriers	
	Gypsum Board Systems	072726	Fluid Applied Weather Barriers	
	Gypsum Board Systems	092116	Gypsum Board Assemblies	
	Gypsum Board Systems	092216	Non-Structural Metal Framing	
	Gypsum Board Systems	095113	Acoustical Panel Ceilings	
	Gypsum Board Systems	095423	Linear Metal Ceilings	
	Gypsum Board Systems	079000	Joint Protection	Includes all joint sealants as applicable for this scope of work. Also includes all expansion joint covers and associated wall fabric and insulation.
BP-11 CERAMIC TILING				
	Ceramic Tiling	Division	GENERAL REQUIREMENTS	All sections to be included in their entirety.
	Ceramic Tiling	093000	Tiling	Joint and crack filling, minor leveling, and sanding is included.
	Ceramic Tiling	079000	Joint Protection	Applicable to this scope of work, only.
BP-12 FLOOR COVERING				
	Flooring Covering	Division	GENERAL REQUIREMENTS	All sections to be included in their entirety.
	Flooring Covering	096500	Rubber Base	Includes all base throughout building.
	Flooring Covering	096813	Tile Carpeting	
	Flooring Covering	079000	Joint Protection	Applicable to this scope of work, only.
BP-13 PAINTING				
	Painting	Division	GENERAL REQUIREMENTS	All sections to be included in their entirety.

	Painting	033500	Concrete Finishing	Concrete sealer only.
	Painting	099000	Painting and Coating	Includes painting of all exterior un-finished metals.
	Painting	079000	Joint Protection	Applicable to this scope of work, only. Includes joint sealant at all interior HM Frames.
BP-14 SPECIALTIES				
	Specialties	Division	GENERAL REQUIREMENTS	All sections to be included in their entirety.
	Specialties	101100	Visual Display Surfaces	
	Specialties	101400	Signage	others.
	Specialties	102113	Toilet Compartments	
	Specialties	102227	Operable Panel Partition	2.
	Specialties	102600	Wall and Door Protection	
	Specialties	102800	Toilet, Bath, and Laundry Accessories	
	Specialties	104400	Fire Protection Specialties	
	Specialties	105113	Metal Lockers	Includes metal trim to match locker color at the base.
	Specialties	115131	Manually Operated Projection Screens	
	Specialties	079000	Joint Protection	Applicable to this scope of work, only.
BP-15 ROLLER WINDOW SHADES				
	Roller Window Shades	Division	GENERAL REQUIREMENTS	All sections to be included in their entirety.
	Roller Window Shades	124920	Roller Shades	
BP-16 FIRE SPRINKLER SYSTEM				
	Fire Sprinkler System	Division	GENERAL REQUIREMENTS	All sections to be included in their entirety.
	Fire Sprinkler System	210000	Fire Sprinklers	All underground fire line by site contractor. City of Twin Falls requires that the fire sprinkler contractor witness the installation of this and coordinate inspections. This witnessing and coordination of inspections is included in this scope of work.
	Fire Sprinkler System	079000	Joint Protection	Applicable to this scope of work, only.
	Fire Sprinkler System	083113	Access Doors and Frames	Applicable to this scope of work, only.
BP-17 PLUMBING				
	Plumbing	Division	GENERAL REQUIREMENTS	All sections to be included in their entirety.
	Plumbing	220500	Common Work Results for Plumbing	
	Plumbing	220504	Plumbing Specialties	
	Plumbing	220513	Common Motor Requirements for Plumbing Equipment	
	Plumbing	220516	Expansion Fittings and Loops for Plumbing Piping	
	Plumbing	220517	Sleeves and Sleeve Seals for Plumbing Piping	
	Plumbing	220519	Meters and Gauges for Plumbing Piping	
	Plumbing	220523	General Duty Valves for Plumbing Piping	
	Plumbing	220529	Hangers and Supports for Plumbing Piping and Equipment	
	Plumbing	220548	Vibration Isolation	
	Plumbing	220553	Identification for Plumbing Piping and Equipment	
	Plumbing	220700	Plumbing Insulation	
	Plumbing	220800	Commissioning of Domestic Water	
	Plumbing	221000	Plumbing Piping	Stub sanitary sewer, domestic water, and roof drain pipes 5' out of the building for connection by others. Includes installation of 1500 gallon oil-water separator. Excavation and backfill included. Stub sanitary waste pipe 5' out of separator for connection by others. Includes excavation and backfill for underground natural gas piping after the gas meter in the mechanical yard.
	Plumbing	221500	General Service Compressed Air	
	Plumbing	223000	Plumbing Equipment	
	Plumbing	224000	Plumbing Fixtures	
	Plumbing	230516	Expansion Fittings and Loops for HVAC Piping	
	Plumbing	230517	Sleeves and Sleeve Seals for HVAC	
	Plumbing	230519	Meters and Gauges for HVAC Piping	
	Plumbing	230523	General Duty Valves for HVAC Piping	
	Plumbing	230529	Hanger and Supports for HVAC Piping and Fittings	
	Plumbing	232113	Hydronic Piping	
	Plumbing	232116	Hydronic Piping Specialties	

	Plumbing	232123	Hydronic Pumps	
	Plumbing	079000	Joint Protection	Applicable to this scope of work, only.
	HVAC	083113	Access Doors and Frames	Applicable to this scope of work, only.
BP-18 HVAC				
	HVAC	Division	GENERAL REQUIREMENTS	All sections to be included in their entirety.
	HVAC	230500	Common Work Results for HVAC	
	HVAC	230513	Common Motor Requirements for HVAC	
	HVAC	230548	Vibration Isolation	
	HVAC	230549	Seismic Criteria for Mechanical	
	HVAC	230553	Identification for HVAC Piping and Equipment	
	HVAC	230593	Testing, Adjusting, and Balancing	
	HVAC	230700	HVAC Insulation	
	HVAC	230800	Commissioning of HVAC Systems	
	HVAC	230923	Direct-Digital Control for HVAC	
	HVAC	230995	Variable Frequency Drives	
	HVAC	232300	Refrigerant Piping	
	HVAC	232500	HVAC Water Treatment	
	HVAC	233013	Air Handling Equipment Sound Levels	
	HVAC	233100	HVAC Ducts and Castings	
	HVAC	233300	Air Duct Accessories	
	HVAC	233400	HVAC Fans	
	HVAC	233516	Engine Exhaust Systems	
	HVAC	233600	Air Terminal Units	
	HVAC	233700	Air Outlets and Inlets	
	HVAC	234000	Air Cleaning Devices	
	HVAC	235100	Breechings, Chimneys, and Stacks	
	HVAC	235216	Condensing Boilers	
	HVAC	235505	Fuel Fired Unit Heaters	
	HVAC	237300	Central Station Air Handling Units	
	HVAC	238103	Packaged Ventilation Air Handling Units	
	HVAC	238126	Split System Air Conditioners	
	HVAC	238200	Convection Heating and Cooling Units	
	HVAC	079000	Joint Protection	Applicable to this scope of work, only.
	HVAC	083113	Access Doors and Frames	Applicable to this scope of work, only.
BP-19 ELECTRICAL				
	Electrical	Division	GENERAL REQUIREMENTS	All sections to be included in their entirety.
	Electrical	260500	Electrical General Provisions	
	Electrical	260502	Short-Circuit-Coordination Study-Arc Flash Hazard Analysis	
	Electrical	260519	Conductors and Cables	
	Electrical	260526	Grounding	
	Electrical	260533	Raceways and Boxes	
	Electrical	260543	Underslab and Underground Electrical Work	Includes all excavation and backfill for this scope of work. All boring, trenching, conduit installation, and backfill on the primary side of the new transformer for Idaho Power is not included. Conduit and conductors from the new Idaho Power transformer into the building are included.
	Electrical	260553	Identification for Electrical Systems	
	Electrical	260800	Commissioning of Lighting Systems	
	Electrical	262200	Dry Type Transformers	
	Electrical	262400	Distribution Switchboards	
	Electrical	262413	Main Switchboards	
	Electrical	262416	Panelboards	
	Electrical	262726	Wiring Devices	
	Electrical	262813	Fuses	
	Electrical	262815	Disconnect Switches	
	Electrical	265100	Interior Lighting	
	Electrical	265200	Emergency Lighting	
	Electrical	270533	Conduits and Backbones for Communication Systems	
	Electrical	271101	Telecom Raceway Systems	
	Electrical	271343	Communication Services Cabling	Includes boring or trenching/backfill for new communications underground to the HSHS and Tower.

	Electrical	281300	Access Control System	See door hardware packages in specification section 087100 for specific door hardware (By Security Contractor) included in this package.
	Electrical	282100	Surveillance Cameras	
	Electrical	282300	Video Management System	
	Electrical	283100	Fire Alarm System	
	Electrical	079000	Joint Protection	Applicable to this scope of work, only.
	Electrical	083113	Access Doors and Frames	Applicable to this scope of work, only.
BP-20 EARTHWORK				
	Earthwork	Division 1	GENERAL REQUIREMENTS	All sections to be included in their entirety. SURVEYING for this scope of work is included in this package.
	Earthwork	310000	Earthwork	Includes demolition of the pool house and swimming pool. All asbestos and lead testing as well as abatement by others. Haul off and disposal of all debris and unused materials is included. Demolition of existing chain link fence by others. Includes building pad installed within +/- .1 of subgrade elevation. Excavation and backfill for building concrete is by others. Gravel base under building SOG to be furnished and stockpiled on site as part of this package. Gravel to be placed by others. Provide and place gravel base for site concrete, asphalt, and all gravel for gravel surfacing areas. Fine grading of gravel to within +/- .1' of final gravel grade. Landscape areas to also be finished within +/- .1' as part of this package. Includes furnish and install of concrete K-Rails. All bollards by others. <i>Piping of existing canal is to be bid as alternate #4. Not</i>
	Earthwork	310519.13	Geotextiles for Earthwork	
	Earthwork	311100	Clearing and Grubbing	Includes all site grading.
	Earthwork	312333	Trenching & Backfill	Install all site utility piping. Domestic water and sanitary sewer piping is to be installed to within 5' of building and connected to piping stubbed out by others. Fire riser supply piping is to be installed by site contractor and is to terminate in the fire riser room 1' AFF. Includes coordination with fire sprinkler contractor during installation of underground fire water lines. Fire sprinkler contractor to witness all underground fire water pipe installation and coordinate all inspections with the city. Includes demolition and relocation of existing utilities. Installation of the sand and grease trap at the wash bay is included. Installation of oil-water separator by others. Installation of sleeves for irrigation is included. Includes
	Earthwork	321216	Asphalt Paving	
	Earthwork	321723	Pavement Markings	Includes all site signage per civil drawings.
BP-21 Chain Link Fences and Gates				
	Chain Link Fences and Gates	Division	GENERAL REQUIREMENTS	All sections to be included in their entirety.
	Chain Link Fences and Gates	323113	Chain Link Fences and Gates	New chain link fence and gates. Includes remove of existing fence for reuse. Metal panel fence by others.
BP-22 LANDSCAPING & IRRIGATION				
	Landscaping & Irrigation	Division	GENERAL REQUIREMENTS	All sections to be included in their entirety.
		328400	Planting Irrigation	Includes concrete thrust blocks as applies to this scope.
	Landscaping & Irrigation	329113	Soil Preparation	Landscape areas to have soils placed within +/- .1' of final grade by others. All compost and soil amending included in this package.
	Landscaping & Irrigation	329200	Turf and Grasses	
	Landscaping & Irrigation	329300	Plants	Includes decorative rock mulch and boulders. Concrete mow curb included in this package. Also includes all site benches, trash bins, and bike rack.

Addendum 2

Date: April 25, 2024

Project: CSI: Automotive/Agricultural Diesel Mechanics Facility

The additions, clarifications and corrections herein shall be made to the Project Manual, Drawings and Schedules for the above-referenced project, and shall be included in the scope of work and proposals to be submitted.

NOTE: References made below to the Project Manual and Drawings shall be used as a general guide only. The Bidders themselves shall determine the work affected by the Addendum items.

GENERAL INFORMATION

Refer to attached Equipment Schedule/Data Sheet which outlines responsibilities for providing and installing equipment as well as equipment makes, models, and dimensions.

PROJECT MANUAL ITEMS

Item #PM1 SECTION 26 56 00 – EXTERIOR LIGHTING

Add. #2 Add Attached Section 25 56 00 – Exterior Lighting to the project manual.

Item #PM2 APPROVAL OF SUBSTITUTIONS

Add. #2 The following is a list of accepted manufacturers which may be substituted for those in the specifications.

This approval is an approval of quality only. No attempt has been made to check each item or material as to special features, capacities, or physical dimensions especially required for this project. It shall be the responsibility of the supplier, manufacturer, and contractor to check all requirements before submitting for final approval. Final approval of exact features, sizes, capacities, etc., all of which must match materials indicated/specified, will be determined when submitted during construction period. Certain approvals are subject to conditions as noted.

707 SW WASHINGTON ST
SUITE 1200
PORTLAND, OR 97205
503.221.0150 | OFFICE
503.295.0840 | FAX

117 S MAIN ST
SUITE 100
SEATTLE, WA 98104
206.628.3137 | OFFICE
206.628.3138 | FAX

10 S CEDAR ST
SPOKANE, WA 99201
PO BOX 1482 (99210)
509.838.8681 | OFFICE
509.838.2194 | FAX

Section #	Product	Approved Manufacturer	Model #
08 80 00	Insulating Glass	Trulite Glass	
09 51 13	Acoustic Panels, Tecum	Cardinal Acoustics	1" Direct Attached Ceiling Panels

ADDENDUM 2

CSI: Automotive/Agricultural Diesel Mechanics Facility

Page No. 1

Section #	Product	Approved Manufacturer	Model #
09 54 23	Linear Metal Ceilings	Rockfon	252588:PLST:PL15:24X48: .32AL:888:AB:Y
10 28 00	Diaper Changing Station	Saniflow Corp.	Babymedi CP0016HCS-ASTM
23 05 19	Thermometers, Pressure Gauges	Winters	
23 34 00	HVLS Fans	Schwank	
23 36 00	Terminal Units	Nailor	
23 37 00	Air Inlets and Outlets	Nailor	
23 37 00	Louvers	Nailor	
23 82 00	Cabinet Unit Heaters	Airtherm	
23 82 00	Electrical Wall, Ceiling Heaters	Indeco	
26 51 00	A	Elite Lighting	22-OEVHP-LED-2000L/3000L/4000L-DIM10-MVOLT-30K-85
26 51 00	AE	Elite Lighting	22-OEVHP-LED-2000L/3000L/4000L-DIM10-MVOLT-30K-85-O-EMG-LED-10W
26 51 00	B	Elite Lighting	24-OEVHP-LED-3000L/4000L/5000L-DIM10-MVOLT-35K/40K/50K-85
26 51 00	BE	Elite Lighting	24-OEVHP-LED-3000L/4000L/5000L-DIM10-MVOLT-35K/40K/50K-85-O-EMG-LED-10W
26 51 00	C	Elite Lighting	24-OEVHP-LED-3000L/4000L/5000L-DIM10-MVOLT-35K/40K/50K-85-O-EMG-LED-10W

Section #	Product	Approved Manufacturer	Model #
26 51 00	CE	Elite Lighting	8-OEC-LED-6000L/8000L/10000L-DIM10-MVOLT-35K/40K/50K-85-O-EMG-LED-10W-OCGSS
26 51 00	HB1	Elite Lighting	B2-CPA-LED-24000L/27000L/30000L-DIM10-MVOLT-MD-30K/35K/40K/50K-85-GSS
26 51 00	HB1E	Elite Lighting	CB2-CPA-LED-24000L/27000L/30000L-DIM10-MVOLT-MD-30K/35K/40K/50K-85-EM-GSS
26 51 00	L2	Elite Lighting	8-OEC-LED-6000L/8000L/10000L-DIM10-MVOLT-35K/40K/50K-85-OCGSS
26 51 00	L2E	Elite Lighting	8-OEC-LED-6000L/8000L/10000L-DIM10-MVOLT-35K/40K/50K-85-O-EMG-LED-10W-OCGSS
26 51 00	RR1	Elite Lighting	RL675-1100L-DIM10-120-347V-27K/
26 51 00	RR2	Elite Lighting	30K/35K/40K/50K-90-WH
26 51 00	SL	LuxLogic Lighting	RL675-1100L-DIM10-120-347V-27K/
26 51 00	A	Columbia	30K/35K/40K/50K-90-WH
26 51 00	AE	Columbia	LN-WGR-4F-MC-48W-XX-XXK-80-UNV-D-XX
26 51 00	B	Columbia	LCAT22-40MLG-EDU
26 51 00	BE	Columbia	LCAT22-40MLG-EDU-ELL14
26 51 00	C	Columbia	LCAT24-40LWG-EDU

Section #	Product	Approved Manufacturer	Model #
26 51 00	CE	Columbia	LCAT24-40LWG-EDU-ELL14
26 51 00	HB1	Columbia	RLB8-40LLHE-FAM-U1-EDU
26 51 00	HB1E	Columbia	RLB8-40LLHE-FAM-U1-EDU w/ELL14
26 51 00	L2	Columbia	PELA-840-L30-B-ED-U-ST 93306750
26 51 00	L2E	Columbia	PELA-840-L30-B-ED-U-ST-ELL20
26 51 00	RR1	EnVision LED	LED-SL-PNL-6R-14W-5CCT-0/10V
26 51 00	RR2	EnVision LED	LED-SL-PNL-6R-14W-5CCT-0/10V SLPNL-TRIM-6R-BNI
26 51 00	SL	Insight Lighting	MX-HO-40K-D-ASY-EAM-X-12' (3X4')-DIM-***
26 52 00	X1	Elite Lighting	ELX-603-G-W
26 52 00	X1	Compass Life Safety	CERG
26 56 00	WP1	Litelume	LL-WPLFC-[48][72][96][120]-2CCT-UNV-BZ-PC
26 56 00	WP2	Litelume	LL-WPMFC-[12][18][24][30]-3CCT-UNV-BZ-PC-EMC4
26 56 00	WP3	Litelume	LL-WPMFC-[12][18][24][30]-3CCT-UNV-BZ-PC
26 56 00	H2	Litelume	LL-ALSL-[60][90][120][140]-3CCT-UNV-T3-BZ
26 56 00	H3	Litelume	LL-ALSL-[100][150][200][250]-3CCT-UNV-T3-BZ
26 56 00	P1	Lyte Poles	401-3011-12
26 56 00	P2A	Lyte Poles	301-5911-25
26 56 00	P2B	Lyte Poles	301-5911-25

Section #	Product	Approved Manufacturer	Model #
26 56 00	P3	Lyte Poles	301-6511-30
26 56 00	WP1	Beacon Products	RWL2-160L-135-5K7-3-UNV-BLT
26 56 00	WP2	Beacon Products	RWL1-48L-15-5K7-4W-UNV-BLT-EH
26 56 00	WP3	Beacon Products	RWL1-48L-15-5K7-4W-UNV-BLT
26 56 00	H2	EXO	ASL2-320L-145-5K7-3-UNV-**-BLT
26 56 00	H3	EXO	ASL2-320L-210-5K7-3-UNV-**-BLT
26 56 00	P1	EXO	RSSH12-40A-*-*-***
26 56 00	P2A	EXO	RTSH25-70A-1-S2-BLT
26 56 00	P2B	EXO	RTSH25-70A-2-S2-BLT
26 56 00	P3	EXO	RTSH30-80A-1-S2-BLT

BIDDER QUESTION ITEMS

Item #Q1 **Question:** Spec Section 06 41 00 Part 2.1 A calls for the casework to be face framed. Is this a requirement or is frameless acceptable?

Add. #2 **Answer:** Frameless construction is acceptable.

Item #Q2 **Question:** The glass specs do not list any particular type of low-e glass or color of tint. What's the basis of design for these specs or is it customer choice as long as the specs are adhered to?

Add. #2 **Answer:** Architect will select from manufacturers standard range within the specification requirements.

Item #Q3 **Question:** The storefront corner mullion at the southwest corner (commons 102) is shown on the artist rendering and also on pg. A600 elevations SF-8 and SF-8 show a glazed vertical 90° post but the storefront detail on pg. A631 drawing 24 shows a glass to glass butt-glazed corner with a mullion post that is not part of any supplier offering that we can find. What's the basis of design for this corner? Talking with CSI, they prefer the 90° post corner, can this be an approved system?

Add. #2 **Answer:** Replace storefront Corner detail 24 on sheet A631 with manufacturers standard 90 Degree corner post detail for the specified storefront system.

Item #Q4 **Question:** The aluminum storefront specs are for 1 3/4" x 4 1/2" thermal frame material. That product is not thermal and is used for 1/4" glazing not exterior 1" glazing. There is both required on this job, can the 2" x 4 1/2" thermal aluminum material be assumed as needed for exterior applications?

Add. #2 **Answer:** 2" X 4 1/2" assembly acceptable where 1" insulated glass is required.

Item #Q5 **Question:** The aluminum door specs do not specify mid-rails in the doors, but the door elevations on pg. A600 P-06 show mid-rails. Which version is required?

Add. #2 **Answer:** Provide mid-rails as indicated on the elevations.

Item #Q6 **Question:** The aluminum storefront detail on pg. A631 shows frames for 1" insulated glass. This would include the interior vestibules and interior office 104. Is the interior glass to be 1" glazing or 1/4" glazing?

Add. #2 **Answer:** Glazing for doors 100B and 111B shall be 1/4" tempered glass.

Attachments: Equipment/Data Sheet
Specification Section 26 56 00 – Exterior Lighting

END OF ADDENDUM 2

Equipment Schedule/Data Sheet

CSI Automotive/Ag Diesel Mechanics Facility
 DPW Project No.22091
 Integrus Project No. 22250

Responsibility Codes:

- OFOI** Owner Furnished/Owner Installed
- OFCI** Owner Furnished/Contractor Installed
- CFCI** Contractor Furnished/Contractor Installed
- OFVI** Owner Furnished/Vendor Installed

- E** Existing - Item will be moved into new building
- N** New - New item will be purchased to replace existing equipment
- F** Future - Provide for future purchase

EXISTING LOCATION		Room Name	Responsibility	Quantity	Item Description	Manufacturer	Make/Model	EXIST, NEW, FUTURE?	Dimensions (inches)		
DEPT	RM #								W	D	H
AG Diesel		AG Diesel Lab	OFOI	1	Four-Post Lift	Hunter	L451LJT	N	92"	227"	98"
			OFOI	1	Four-Post Truck Lift	Bend Pak	HD-27	E	156"	300"	93"
			CFCI	1	Bridge Crane	HOJ	TRSG-10T-41.6	N			
			OFOI	1	Hotsy Steam Cleaner	Pro-Line	HN30005E3H	E	4'	6'	
			OFOI		Parts Washer			?			
			OFOI	1	Solvent Tank	Safety Kleen		E	3'	3'	
Diesel		On-Road Diesel	OFOI	1	Four-Post Lift	Rotary Lift	RTY SM30N012RD		149"	381"	85"
			OFOI	1	Two-Post Lift	Bend Pak	XPR-12C	E	155"	120"	170"
			OFCI	?	JIB Cranes	Gorbel	FS300-12-W10	N			
			OFOI	12	Cart Tables	(Name)		E	24"	60"	
			OFOI	5	Transmission Carts	(Name)		E	36"	42"	
			OFOI	8	Engine Carts	(Name)		E	36"	42"	
			OFOI	4	Large Engine Carts	(Name)		E	38"	54"	
Dyno		Dyno	OFCI	1	DynoPro2 - Bronze Package	Taylor		N			
			OFCI	1	Chassis Dynamometer	Taylor	CM51-EC	N	8'-4"	14'-10"	PITTED
			OFCI	1	Rear Wheel Stone Guard	Taylor	Accessory to Dynamometer	N			
			OFCI	1	Guard Rail Safety Kit	Taylor	Accessory to Dynamometer	N			
			OFCI	1	Multi-Protocol Interface Device	Taylor	Accessory to Dynamometer	N			

SECTION 26 56 00

EXTERIOR LIGHTING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. This Section includes exterior lighting units with luminaires, LED drivers, poles/support structures, and accessories.
- B. Related Sections include the following:
 - 1. Section 260923 - Lighting Control Devices.
 - 2. Section 265100 - Interior Lighting for interior fixtures, emergency lighting units, and accessories; and for exterior luminaires normally mounted on buildings.

1.3 DEFINITIONS

- A. Lighting Unit: A luminaire or an assembly of luminaires complete with a common support, including pole, post, or other structure, and mounting and support accessories.
- B. Luminaire (Light Fixture): A complete lighting device consisting of LED(s) and driver(s), when applicable, together with parts designed to distribute light, to position and protect lamps, and to connect lamps to power supply.

1.4 SUBMITTALS

- A. Product Data: For each type of lighting unit indicated, arranged in order of lighting unit designation. Include data on features, accessories and finishes.
- B. Maintenance data for lighting units.

1.5 QUALITY ASSURANCE

- A. Luminaires and Accessories: Listed and labeled as defined in the NEC, Article 100, for their indicated use, location, and installation conditions by a testing agency acceptable to authorities having jurisdiction.
- B. Comply with ANSI C2.
- C. Comply with the NEC.

1.6 DELIVERY, STORAGE, AND HANDLING OF POLES

- A. Retain factory-applied pole wrappings on metal poles until just before pole installation. For poles with nonmetallic finishes, handle with web fabric straps.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Products: As indicated on the drawings.

2.2 LUMINAIRES

- A. Metal Parts: Free from burrs, sharp corners, and edges.
- B. Sheet Metal Components: Corrosion-resistant aluminum, unless otherwise indicated. Form and support to prevent warping and sagging.
- C. Housings: Rigidly formed, weather- and light-tight enclosures that will not warp, sag, or deform in use. Provide filter/breather for enclosed luminaires.
- D. Doors, Frames, and Other Internal Access: Smooth operating, free from light leakage under operating conditions, and arranged to permit maintenance without use of tools. Arrange doors, frames, lenses, diffusers, and other pieces to prevent accidental falling during maintenance and when secured in operating position. Provide for door removal for cleaning or replacing lens. Arrange to disconnect LED driver when door opens.
- E. Exposed Hardware Material: Stainless steel.
- F. Plastic Parts: High resistance to yellowing and other changes due to aging, exposure to heat, and ultraviolet radiation.
- G. Lenses and Refractors: Materials as indicated. Use heat- and aging-resistant, resilient gaskets to seal and cushion lens and refractor in luminaire doors.

2.3 LUMINAIRE SUPPORT COMPONENTS

- A. Description: Comply with AASHTO LTS-3 for pole or other support structures, brackets, arms, appurtenances, base, and anchorage and foundation.
- B. Wind-Load Strength of Total Support Assembly: Adequate to carry support assembly plus luminaires at indicated heights above grade without failure, permanent deflection, or whipping in steady winds of 80 mph with a gust factor of 1.3. Support assembly includes pole or other support structures, brackets, arms, appurtenances, base, and anchorage and foundation.
- C. Finish: Match finish of pole/support structure for arm, bracket, and tenon mount materials.
- D. Mountings, Fasteners, and Appurtenances: Corrosion-resistant items compatible with support components.
 - 1. Materials: Will not cause galvanic action at contact points.
 - 2. Mountings: Correctly position luminaire to provide indicated light distribution.
 - 3. Anchor Bolts, Nuts, and Washers: Hot-dip galvanized after fabrication unless stainless-steel items are indicated.
 - 4. Anchor-Bolt Template: Steel.
- E. Pole/Support Structure Bases: Anchor type with hold-down or anchor bolts, leveling nuts, and bolt covers.
- F. Steel Poles: Tubing complying with ASTM A 500, Grade B, carbon steel with a minimum yield of 46,000 psig; one-piece construction up to 40 feet in length with access handhole in pole wall.
- G. Steel Mast Arms: Fabricated from NPS 2 black steel pipe, continuously welded to pole attachment plate with span and rise as indicated.
- H. Metal Pole Brackets: Match pole metal. Provide cantilever brackets without underbrace, in sizes and styles indicated, with straight tubular end section to accommodate luminaire.
- I. Pole-Top Tenons: Fabricated to support luminaire or luminaires and brackets indicated, and securely fastened to pole top.
- J. Concrete for Pole Foundations: Comply with Division 3.

2.4 FINISHES

- A. Steel: Grind welds and polish surfaces to a smooth, even finish.

1. Galvanized Finish: Hot-dip galvanize after fabrication to comply with ASTM A 123.
2. Surface Preparation: Clean surfaces to remove dirt, oil, grease, and other contaminants that could impair paint bond. Remove mill scale and rust, if present, from uncoated steel.
3. Interior: Apply one coat of bituminous paint on interior of pole, or otherwise treat to prevent corrosion.
4. Polyurethane Enamel: Manufacturer's standard finish consisting of one or more coats of primer and two finish coats of high-gloss, high-build polyurethane enamel.
 - a. Color: As indicated on the drawings.

PART 3 - EXECUTION

3.1 INSTALLATION

- A. Concrete Foundations: Construct according to Division 3.
- B. Install poles as follows:
 1. Use web fabric slings (not chain or cable) to raise and set poles.
 2. Mount pole to foundation with leveling nuts, and tighten top nuts to torque level recommended by pole manufacturer.
 3. Secure poles level, plumb, and square.
 4. Grout void between pole base and foundation. Use non-shrinking or expanding concrete grout firmly packed in entire void space.
 5. Use a short piece of 1/2-inch-diameter pipe to make a drain hole through grout. Arrange to drain condensation from interior of pole.
- C. Luminaire Attachment: Fasten to indicated structural supports.

3.2 CONNECTIONS

- A. Ground equipment.
 1. Tighten electrical connectors and terminals according to manufacturer's published torque-tightening values.
- B. Ground metal poles/support structures.

3.3 FIELD QUALITY CONTROL

- A. Inspect each installed unit for damage. Replace damaged units.

3.4 CLEANING AND ADJUSTING

- A. Clean units after installation. Use methods and materials recommended by manufacturer.

END OF SECTION