

SECTION 00 02 00 - NOTICE TO BIDDERS

NOTICE TO BIDDERS

Notice is hereby given that sealed bids will be received:

By: Dowagiac Union Schools
243 S Front,
Dowagiac MI 49047.

For: Dowagiac Union High School
701 West Prairie Ronde Street
Dowagiac, MI 49047.

At: Administration Building
243 S Front,
Dowagiac, MI 49047.

Until: 2:00 PM (local time), June 1st, 2017

Bid Opening: Bids will be publicly opened and read aloud at 2:00 PM, June 1st, 2017 (local time), in the Administration Building, 2nd Floor Conference Room.

All work for the complete construction of the Project will be under one or more prime contracts with the Owner based on bids received and on combinations awarded. The Construction Manager will manage the construction of the Project.

Construction shall be in full accordance with the Bidding Documents which are on file with the Owner and may be examined by prospective bidders at the following locations:

Office of the Construction Manager
The Skillman Corporation
8120 Moorsbridge Rd. Suite 101
Portage, MI 49024

The Skillman Plan Room

www.skillmanplanroom.com

Prime and Non-Prime Contract Bidders must place an order on www.skillmanplanroom.com to be able to download documents electronically or request printed documents. There is no cost for downloading the bidding documents. Bidders desiring printed documents shall pay for the cost of printing, shipping and handling. Reprographic Services are provided by:

Kal-Blue, 914 East Vine Street, Kalamazoo, MI 49001 Phone 269-349-8681

THIS IS A PREVAILING WAGE PROJECT.

WAGE SCALE: As required by the Michigan Code, a minimum wage has been determined for this Project and will be on file at the office of the Owner at least fifteen (15) days prior to the date set for receipt of bids. Contractor shall pay wage rates as established by this Wage Scale. Said Wage Scale is a part of this Contract and is incorporated herein as fully as if here set forth.

A Pre-Bid Conference will be held on May 25, 2017 at 3:00 PM local time, at Dowagiac Union High School, 701 West Prairie Ronde Street, Dowagiac, MI 49047. Attendance by bidders is optional, but recommended, in order to clarify or answer questions concerning the Drawings and Project Manual for the Project.

Bid security in the amount of five percent (5%) of the Bid must accompany each Bid in accordance with the Instructions to Bidders.

The successful Bidders will be required to furnish Performance and Payment Bonds for one hundred percent (100%) of their Contract amount prior to execution of Contracts.

Contractors submitting bids for the performance of any Work as specified in this building Project should make such Bids to **Dowagiac Union Schools**. Contractors are advised that the Contract as finally entered into with any successful Bidder shall be entered into with the Public School District.

The Owner reserves the right to accept or reject any Bid (or combination of Bids) and to waive any irregularities in bidding. All Bids may be held for a period not to exceed **60** days before awarding contracts.

Dowagiac Union Schools
Paul Hartsig, Superintendent

END OF SECTION 00 02 00

SECTION 01 12 00 - MULTIPLE CONTRACT SUMMARY

PART 1 GENERAL

1.01 RELATED DOCUMENTS

- A. Drawings and General Provisions of the Prime Contract, including amended General Conditions and other Division 1 Specification Sections, apply to Work of this Section.

1.02 SUMMARY

- A. The intent of this Section is to indicate the Work required by the Contractors and to provide information regarding the duties, responsibilities, and cooperation required by the Contractors, with similar requirements for the subcontractors and suppliers.
- B. Owners right to maintain current operations
- C. Occupancy requirements
- D. Work by Owner
- E. Permits, fees, and notices
- F. Labor and materials
- G. Verifications of existing dimensions
- H. Project security
- I. Coordination of work
- J. Time of commencement and completion
- K. Schedule of contract responsibilities

1.03 WORK UNDER SEPARATE CONTRACTS

- A. Prime Contracts are defined to include the following contracts described in the Schedule of Contract Responsibilities included hereinafter; and each is recognized to be a major part of the project, with Work to be performed concurrently and in close coordination with Work of other Prime Contracts.
- B. The "Contract Documents," as defined in the General Conditions, include "the Drawings." Although Drawings are grouped and identified by classification of the Work, Contractors shall be responsible for their Work as specified herein and as indicated on the Drawings. Although the majority of the Drawings are "to scale,"

Contractors are directed to use indicated dimensions for determining material quantities and for other reasons. No additional monies will be allowed due to Contractors using "scaling instruments" to determine material quantities or for other reasons.

- C. Separate prime contracts will be awarded as per the "**Schedule of Contract Responsibilities**" (see Part 3 – Execution). Contractors shall include Work required by the Specifications and Drawings for each contract area defined in the Schedule.
- D. Work for the complete construction of the Project will be under multiple prime contracts with the Owner. The Construction Manager will manage the construction of the Project.
- E. Each Contractor shall be responsible for demolition and disposal of existing items relative to his Contract.

1.04 ADMINISTRATIVE RESPONSIBILITIES OF PRIME CONTRACTORS AND CM

- A. The Construction Manager shall be responsible for the maintenance of the Construction Schedule and management of every phase of the Work.
 - 1. Each Contractor shall read the Specifications and Drawings for other separate Contracts for fixed equipment and the like to be incorporated or attached or built in to the Work; and familiarize himself with the requirements and responsibilities of other Contracts to enable the required coordination and supervision.
 - 2. Each Contractor shall also familiarize himself with other items to be incorporated into the Work including equipment and Work by the Owner.
 - 3. Each Contractor shall cooperate with the Construction Manager in notifying him when the Work is at a stage to require the services of other Contractors and shall notify the Construction Manager in the event that such other Contractors do not carry out their responsibilities in connection with such notification.
- B. Contractors shall cooperate with and assist the Construction Manager in the preparation of construction progress and procedures, schedule of product deliveries, and their effect on the overall project progress and completion. Other Contractors shall cooperate in getting their Work and the Work of their subcontractors completed according to the schedule as prepared and maintained by the Construction Manager. Each Contractor shall immediately notify the Construction Manager of a delay in delivery of products or the scheduled date of completion that may affect the total progress of construction.
- C. The Owner will furnish the topographical survey, either as a part of these Drawings or separately, giving the general topographical lines existing at the site and the property lines.
- D. Contractors required to make connections to existing utilities, especially sewerage where gravity flow occurs, shall verify grades and locations at points of such

connections and shall notify the Construction Manager of circumstances which would adversely affect the proper flow or connection to such facilities.

1.05 PRIME CONTRACTORS USE OF PREMISES

- A. Use of the Site: Limit use of the premises to work in areas indicated. Confine operations to areas within contract limits indicated. Do not disturb portions of the site beyond the areas in which the Work is indicated.
 - i. Owner Occupancy: Allow for Owner occupancy and use by the public.
 - ii. Driveways and Entrances: Keep driveways and entrances serving the premises clear and available to the Owner, the Owner's employees, and emergency vehicles at all times. Do not use these areas for parking or storage of materials. Schedule deliveries to minimize space and time requirements for storage of materials and equipment on site.

- B. Use of the Existing Building: Maintain the existing building in a weathertight condition throughout the construction period. Repair damage caused by construction operations. Take all precautions necessary to protect the building and its occupants during the construction period.

1.06 OWNERS RIGHT TO MAINTAIN OPERATIONS

- A. During the course of this Project, normal and customary functions and operations must be maintained. The Contract Documents are intended to define a strict separation between the school activities of students and staff from the activities of the construction project.

- B. The Construction Manager, Architect, and Owner will not tolerate any visible or audible actions initiated or responded to by any employees of Contractors on this Project toward any students, teachers, or staff members at the school system. Violators shall be promptly removed from the site.

- C. The Owner intends to instruct students, teachers, and staff to refrain from communications with Contractor's personnel working on this Project. All communication with Owner and staff shall be through the Construction Manager.

- D. Contractors must expend their best effort toward protection of the health, safety, and welfare of occupants on the Owner's property during the course of Work on this Project.

- E. Contractors and Subcontractors shall be subject to such rules and regulations for the conduct of the Work as the Owner may establish. Employees shall be properly and completely clothed while working. Bare torsos, legs and feet will not be allowed. Possession or consumption of alcoholic beverages or drugs, tobacco or other noxious behavior on the site is strictly prohibited. Violators shall be promptly removed from the site. Smoking is not permitted on school property or within school buildings.

1.07 OCCUPANCY REQUIREMENTS

- A. Full Owner Occupancy: The Owner will occupy the site and existing building during the entire construction period. Cooperate with the Owner during construction operations to minimize conflicts and facilitate Owner usage. Perform the Work so as not to interfere with the Owner's operations.

- B. Partial Owner Occupancy: The Owner reserves the right to occupy and to place and install equipment in completed areas of the building prior to Substantial Completion, provided such occupancy does not interfere with completion of the Work. Such placing of equipment and partial occupancy shall not constitute acceptance of the total Work.
 - 1. The Construction Manager will prepare a Certificate of Substantial Completion for each specific portion of the Work to be occupied prior to Owner occupancy.
 - 2. Party which obtained general building permit shall obtain a Certificate of Occupancy from local building officials prior to Owner occupancy.
 - 3. Prior to partial Owner occupancy, mechanical and electrical systems shall be fully operational. Required inspections and tests shall have been successfully completed. Upon occupancy, the Owner will operate and maintain mechanical and electrical systems serving occupied portions of the building.
 - 4. Upon occupancy, the Owner will assume responsibility for maintenance and custodial service for occupied portions of the building.

1.08 WORK BY OWNER

- A. The Owner intends to complete the following items of Work outside the provisions of these Contract Documents. Contractors shall not restrict or interfere with the Owner's right to the Project to accomplish this Work.
 - 1. Equipment and furniture except as scheduled and specified under Divisions 11 and 12 and shown on the Drawings.
 - 2. Items which may be deleted from Contracts for Work as required by the Contract Documents.
 - 3. Existing school maintenance work.
 - 4. The purchase and supplying of certain materials as noted in the Project Manual.
 - 5. The Owner, under separate contract, shall provide removal of identified asbestos containing materials from the existing structure. The asbestos report is available through the Construction Manager upon request.
 - 6. (List other items as may be applicable).

1.09 PERMITS, FEES, AND NOTICES

- A. Bid Category No. 1 General Trades Contractor will secure the General Building Permit for the Owner. Each Contractor shall secure and pay for other permits, governmental fees, and licenses necessary for the proper execution and completion of the Contractors Work. Fees to relocate utilities on Owner's property shall be included in the bid of the Contractor doing the relocation.
 - 1. The Owner shall pay for the cost of the Building Permit, which will be applied to the Section 01 21 00 Allowances.
 - 2. State filing fees for plan approval are the responsibility of the Owner and will be paid by the Owner.
- B. Utility Tie-Ins: Shall be arranged with local utility company and other involved parties for minimum interruption of service.
- C. Shutdowns of existing systems shall be limited to minimum time required and scheduled with other involved parties. Provide 2 days written notice of shutdown to Construction Manager and Owner.
- D. Inspections of installed work shall be performed by the governing authority as arranged for by the Contractor. Work shall not be covered until approved.
- E. Each Contractor shall give notices and comply with laws, ordinances, rules, regulations, and orders of public authorities bearing on the performance of his Work. If a Contractor observes that the Contract Documents are at variance therewith, he shall promptly notify the Construction Manager in writing, and necessary changes shall be adjusted by appropriate notification. If a Contractor performs Work knowing it to be contrary to such laws, ordinances, rules, and regulations, and without such notice to the Construction Manager, he shall assume full responsibility therefore and shall bear the costs attributable thereto.

1.10 LABOR AND MATERIALS

- A. Unless otherwise specifically noted, the Contractor shall provide and pay for labor, materials, equipment, tools, construction equipment and machinery, water, heat, utilities, transportation, and other facilities and services necessary for the proper execution and completion of his Work, whether temporary or permanent and whether or not incorporated or to be incorporated in the Work.
- B. Each Contractor shall enforce strict discipline and good order among his employees or other persons carrying out Work of his Contract and shall not permit employment of unfit person or persons or anyone not skilled in the task assigned to them.
- C. Prime Contractors must furnish a letter to the Construction Manager, stating that Contractor shall not assign any of its employees, agents or other individuals to perform any services in the District's facilities or program sites if that individual:
 - 1. Is listed on the Michigan Sex Offender Registry, www.mipsor.state.mi.us.

2. Is listed on the Federal Sex Offender Registry www.nsopw.gov.
 3. Has not passed a 5-50 drug screen, testing negative for the following drugs:
 - a. Amphetamines
 - b. Methamphetamines
 - c. Cocaine
 - d. Codeine
 - e. Methadone
 - f. Morphine
 - g. Phencyclidine (PCP)
 - h. Marijuana
- D. ID Stickers will be issued by The Skillman Corporation upon receipt of verification from the Contractor that the employee/subcontractor employee or independent contractor has a satisfactory record to work on the Project. Stickers will be numbered and numbers assigned to each worker to be worn on their hardhat. It is the Contractor's responsibility to maintain a record of contractor's name assigned each number and provide to The Construction Manager upon request.
- E. Consistent with Michigan law, possession or consumption of drugs on school property will promptly be reported to the local police. Consumption of alcoholic beverages or tobacco or other noxious behavior on school owned property is strictly prohibited. Violators shall be promptly removed from the site. Smoking is not permitted on school property or within school buildings.

1.11 CUTTING AND PATCHING

- A. Refer to Section 01 73 10 – Cutting and Patching, for provisions on this subject.

1.12 VERIFICATIONS OF EXISTING DIMENSIONS

- A. When verification of existing dimensions is required, the Contractor requiring said verification for the construction or fabrication of his material shall be the Contractor responsible for the procurement of the field information.

1.13 PROJECT SECURITY

- A. Each Prime Contractor shall take all reasonable precautions to prevent injury, damage or loss to people and property in, on and adjacent to the project. This shall include not only their own work or property but that of other contractors and the Owner.
- B. If deemed necessary by The Construction Manager a project wide security program may be developed for the purpose of preventing damage or loss at the project site or property adjacent thereto. Once accepted by the Owner, contractors shall comply.

1.14 SCHEDULE OF CONTRACT RESPONSIBILITIES - SCOPE

- A. Contractors shall submit their proposals based on the work included under each contract area as listed herein. Include Work necessary for a complete project, as shown on the Drawings and called for in the Specifications.
- B. Questions concerning the phasing or "Schedule of Contract Responsibilities" should be directed to the Construction Manager, who will be the interpreter and be responsible for this Schedule of Contract Responsibilities and Contract Breakdown, prior to submitting proposals and during construction.
- C. The requirements of Division 1 are a part of the Work of each and every contract area. The Contractor for any one contract area shall be familiar with the Work and requirements of all other contract areas.
- D. Certain Specification Sections describe Work to be performed under several contract areas. (Example: 06 10 00 - Rough Carpentry.) Provide Work of this nature as required for each contract area whether or not enumerated in the Schedule of Contract Responsibilities.
- E. The following contract areas are broken down by Specifications Section conforming basically to the CSI format.
- F. The Drawings and Specifications as furnished for each of the Contracts is for the convenience of the Contractor in preparing a proposal for this Project. However, each Contractor is responsible to review the complete set of Drawings and Specifications to assure that Work required to be installed to complete his phase of the Work is included in his proposal. This "Schedule of Contract Responsibilities" is a definition of the work as it is to be bid in separate contracts. Where a specific item of Work is not defined, but is normally inherent to a trade, or is included in the scope of the applicable technical revision, it will be the responsibility of that Contractor to include the Work in his proposal.
- G. This "Schedule of Contract Responsibilities" is to aid each Contractor in defining the Scope of Work to be included in his proposal. However, omissions from this "Schedule of Responsibilities" do not relieve the Contractor from including in his proposal that Work which will be required to complete his Contract. Each Contractor should read the "Schedule of Contract Responsibilities" completely to familiarize himself with the Work of other Contractors that may have Work in adjacent areas and to coordinate the interfacing problems that may occur as the work is assembled and constructed.
- H. Where specific Work is to be completed under a particular phase of the Project and the Work is wholly or partially completed by other trades because of the type of work involved or jurisdictional trade agreements, the Contractor will be responsible to subcontract the Work as necessary to complete the Work included in his Contract.

No delay in the Work will be allowed due to the failure of the Contractor to subcontract related work required by jurisdictional trade agreements.

1.15 COORDINATION OF WORK

- A. Each Contractor is responsible to coordinate his Work with the Work of other trades and other Contractors and requirements of the school system. The Contractor must make space allowances for Work of other Contractors, provide necessary openings where indicated or implied by the Drawings and Specifications. Each Contractor is responsible to protect his own Work.

1.16 TIME OF COMMENCEMENT AND COMPLETION

- A. The Contractor shall commence work within ten (10) days after being notified in writing to proceed and shall complete the Work within the time limitations established in the Form of Agreement.
- B. It is anticipated that construction will start within 46 calendar days after receipt of bids.
- C. Construction shall be complete no later than December 27, 2018.

PART 2 PRODUCTS (Not Used)

PART 3 EXECUTION

3.01 SCHEDULE OF CONTRACT RESPONSIBILITIES

3.02 GENERAL REQUIREMENTS

A. PROVIDED BY OWNER THROUGH THE CONSTRUCTION MANAGER

Section	01 32 00	Schedules and Reports
Section	01 45 00S	Masonry Inspection Report
Section	01 45 10	Testing Laboratory Services
Section	01 51 40	Temporary Telephone
Section	01 59 10	Project Office
Section	01 71 50	Final Cleaning

B. PROVIDED BY ALL CONTRACTORS AS APPLICABLE

Section	01 12 00	Multiple Contract Summary
Section	01 2300	Alternates
Section	01 25 00	Contract Modification Procedures
Section	01 28 00	Schedule of Values
Section	01 29 00	Applications for Payment
Section	01 31 00	Project Meetings
Section	01 32 00	Schedules and Reports
Section	01 33 00	Submittal Procedures

Section	01 45 10	Testing Laboratory Services (Paragraph 1.05)
Section	01 50 50	Temporary Facilities and Controls
Section	01 51 40	Temporary Telephone
Section	01 54 60	Environment Protection
Section	01 54 80	Utility Protection
Section	01 56 30	Water Control
Section	01 56 90	Housekeeping & Safety
Section	01 59 20	Offices and Sheds
Section	01 60 00	Product Requirements
Section	01 72 50	Work Layout
Section	01 73 10	Cutting and Patching
Section	01 77 00	Contract Closeout

All Contractors shall provide their Superintendents with radios capable of handling multiple channels and compatible with radios used by the Construction Manager.

All Contractors working at Dowagiac High School will be required to provide proof that all personnel have attended a 2-hour asbestos awareness training session prior to the commencement of any work on site. There will be one free group training session for all companies prior to the start of construction. If your employees don't attend the free training session, then they will be required to attend a private session at your own expense. Failure to meet this requirement may result in workers being removed from the site.

C. PROVIDED BY DESIGNATED CONTRACTORS

Section	01 21 00	Allowances
Section	01 51 10	Temporary Electricity, Lighting, and Warning Systems
Section	01 51 30	Temporary Heating, Ventilation, and Cooling
Section	01 51 50	Temporary Water
Section	01 51 60	Temporary Sanitary Facilities
Section	01 51 80	Temporary Fire Protection
Section	01 52 10	Construction Aids and Temporary Enclosures
Section	01 52 60	Rubbish Container
Section	01 53 10	Fences (Temporary Security)
Section	01 53 20	Tree and Plant Protection
Section	01 53 30	Barricades
Section	01 55 00	Access Roads and Parking Areas
Section	01 56 20	Dust Control
Section	01 56 80	Erosion Control
Section	01 57 60	Project Signs
Section	01 72 00	Field Engineering

Clarifications:

1. All Contractors shall subscribe to PlanGrid for use on this project. Number of users is up to the contractor. PlanGrid will be used for the current construction documentation to include; current set, addenda, ASI, RFI, AS Build Conditions, QA/QC, and Punch List. Visit www.PlanGrid.com to determine subscription pricing. At a minimum, your site personnel will be required to use this product to facilitate communication. It is recommended that you have an office administrator to assist your field personnel. PlanGrid is a tool for the construction phase and will not be used for bidding. Visit www.skillmanplanroom.com for bid documents.

3.03 **BID CATEGORIES**

~~A. BID CATEGORY NO. 1 — GENERAL TRADES~~

~~General Requirements in Paragraph 3.02.B above:~~

Section	01 21 00	Allowances
Section	01 50 50	Temporary Facilities and Controls
Section	01 51 60	Temporary Sanitary Facilities
Section	01 52 10	Construction Aids and Temporary Enclosures
Section	01 52 60	Rubbish Container
Section	01 53 10	Fences (Temporary Security)
Section	01 53 20	Tree and Plant Protection
Section	01 53 30	Barricades
Section	01 55 00	Access Roads and Parking Areas
Section	01 56 20	Dust Control
Section	01 56 80	Erosion Control
Section	01 57 60	Project Signs
Section	01 72 00	Field Engineering
Section	02 41 19	Selective Demolition
Section	03 30 00	Cast In Place Concrete
Section	06 10 53	Miscellaneous Rough Carpentry
Section	06 20 23	Interior Finish Carpentry
Section	07 11 13	Bituminous Dampproofing
Section	07 21 00	Thermal Insulation
Section	07 42 13.13	Formed Metal Wall Panels
Section	07 84 43	Joint Firestopping
Section	07 92 00	Joint Sealants
Section	07 95 13.13	Interior Expansion Joint Cover Assemblies
Section	07 95 13.16	Exterior Expansion Joint Cover Assemblies
Section	08 12 13	Hollow Metal Frames
Section	08 14 16	Flush Wood Doors
Section	08 31 13	Access Doors and Frames
Section	08 33 13	Coiling Counter Doors
Section	08 33 23	Overhead Coiling Doors

Section	08 71 00	Door Hardware
Section	08 73 40	Commercial Door Operators
Section	09 67 23	Resinous Flooring
Section	09 91 13	Exterior Painting
Section	09 92 23	Interior Painting
Section	10 11 00	Visual Display Units
Section	10 14 19	Dimensional Letter Signage
Section	10 14 23	Room Identification Signage
Section	10 14 26	Post and Panel Pylon Signage
Section	10 21 13.19	Plastic Toilet Compartments
Section	10 28 00	Toilet Accessories
Section	10 44 13	Fire Protection Cabinets
Section	10 44 16	Fire Extinguishers
Section	11 66 43	LED Basketball Scoreboards
Section	11 66 00	Athletic Equipment
Section	12 24 13	Roller Windows Shades
Section	31 10 00	Site Clearing
Section	31 20 00	Earth Moving
Section	32 05 23	Cement and Concrete for Exterior Improvement
Section	32 17 26	Tactile Warning Surfacing
Section	32 31 13	Chain Link Fences and Gates
Section	32 92 00	Turf and Grasses
Section	32 93 00	Plants
Section	33 10 00	Water Utilities
Section	33 11 01	Polyethylene Encasement
Section	33 30 00	Sanitary Sewerage Utilities
Section	33 46 00	Subdrainage

Clarifications:

1. All Contractors shall subscribe to PlanGrid for use on this project. Number of users is up to the contractor. PlanGrid will be used for the current construction documentation to include; current set, addenda, ASI, RFI, AS Build Conditions, QA/QC, and Punch List. Visit www.PlanGrid.com to determine subscription pricing. At a minimum, your site personnel will be required to use this product to facilitate communication. It is recommended that you have an office administrator to assist your field personnel. PlanGrid is a tool for the construction phase and will not be used for bidding. Visit www.skillmanplanroom.com for bid documents.
2. Include pulling the general building permit.
3. Provide all demolition not covered under BID CATEGORIES 4, 5, 11, 16, 17 and 18.
4. Provide all wood blocking required for exterior framing, roof blocking, cabinetry, bathroom accessories, window installation, temporary partition walls.
5. Provide all interior and exterior metal stud framing.

6. ~~Provide temporary 1 hour demising walls as required for phasing, refer to Construction Phasing Plan and Life Safety Plan.~~
7. ~~Door hardware will include final keyed cylinders. All keying for the building will be finalized during the submittal process.~~
8. ~~Provide a minimum of two (2) temporary sanitary facilities for a total of 16 months.~~
9. ~~Exterior window demolition will be done by Owners Abatement Contractor.~~
10. ~~Include the demo of masonry walls as noted on the demo plans.~~
11. ~~Provide all required temporary protection to complete your scope of work.~~
12. ~~Provide permanent fencing for dumpster enclosure, mechanical enclosure, and site fencing located at the detention pond.~~
13. ~~Include the cost of the soil erosion permit through the City of Dowagiac.~~
14. ~~Provide all required dust control and street sweeping required during construction~~
15. ~~Provide the demo of all site concrete as required per the construction plans and specifications~~
16. ~~If exiting materials excavated from the detention pond are considered clean suitable fill, only then it may be used on site.~~
17. ~~Provide subbase for all parking lots, final grade shall be within 0.10 feet of required grading for the installation of new asphalt. Final fine grading will be performed by the asphalt contractor.~~
18. ~~Provide all site clearing as noted in the construction documents.~~
19. ~~Provide all soil erosion control and seeding required for the storm water swales and the detention pond.~~
20. ~~Include installing all new or relocated underground utilities up to 5' inside the existing building.~~
21. ~~Provide all survey work related to the site work including but not limited to; parking lot layout, and offset stakes, asphalt elevations, site utility installation, and relocated parking lot entries.~~
22. ~~Provide all saw cutting and removal of the existing concrete floors in the existing building as noted on the demolition plans.~~
23. ~~Provide all concrete patching of existing concrete floors and trenches associated with relocation of underground utilities.~~
24. ~~Provide all anchor bolts noted on the plans and in the specifications.~~
25. ~~Provide an anchor bolt survey to verify correct installation.~~
26. ~~Provide all required foundation insulation.~~
27. ~~Provide all exterior site concrete.~~
28. ~~Provide all caulking and expansion material related to the concrete scope of work.~~
29. ~~Provide all excavation, backfilling, and compaction required for installation of foundations and interior and exterior concrete.~~
30. ~~Provide thirty (30) yard dumpsters for the project in your base bid. All additional dumpsters will be applied to the project Allowance.~~
31. ~~Provide the LED basketball scoreboard per the plans and specifications~~
32. ~~Include 800 feet of temporary fencing for the project. The temporary fencing should include double gates for the main contror entrance. Reference the site logistics plans for the location of all temporary fencing.~~

- ~~B. BID CATEGORY NO. 2 – ASPHALT PAVING
General Requirements in Paragraph 3.02.B above.
Section 01 21 00 Allowances
Section 32 12 16 Asphalt Paving
Section 32 17 23 Pavement Markings~~

~~Clarifications:~~

- ~~1. All Contractors shall subscribe to PlanGrid for use on this project. Number of users is up to the contractor. PlanGrid will be used for the current construction documentation to include; current set, addenda, ASI, RFI, AS Build Conditions, QA/QC, and Punch List. Visit www.PlanGrid.com to determine subscription pricing. At a minimum, your site personnel will be required to use this product to facilitate communication. It is recommended that you have an office administrator to assist your field personnel. PlanGrid is a tool for the construction phase and will not be used for bidding. Visit www.skillmanplanroom.com for bid documents.~~
- ~~2. Include all fine grading required for asphalt installation.~~
- ~~3. Include temporary and final parking lot stripping as indicated on the site logistic plan.~~
- ~~4. Include a phased approach to the asphalt installation as noted on the construction schedule and the site coordination plan.~~

- ~~C. BID CATEGORY NO. 3 – MASONRY
General requirements in Paragraph 3.02.B above.
Section 01 21 00 Allowances
Section 01 52 60 Rubbish Container
Section 02 41 19 Selective Demolition
Section 04 01 20.63 Brick Masonry Repair / Repointing
Section 04 20 00 Unit Masonry
Section 04 22 00 Concrete Unit Masonry
Section 04 72 00 Cast Stone Masonry
Section 07 21 00 Thermal Insulation
Section 07 92 00 Joint Sealants
Section 07 11 13 Bituminous Dampproofing~~

~~Clarifications:~~

- ~~1. All Contractors shall subscribe to PlanGrid for use on this project. Number of users is up to the contractor. PlanGrid will be used for the current construction documentation to include; current set, addenda, ASI, RFI, AS Build Conditions, QA/QC, and Punch List. Visit www.PlanGrid.com to determine~~

subscription pricing. At a minimum, your site personnel will be required to use this product to facilitate communication. It is recommended that you have an office administrator to assist your field personnel. PlanGrid is a tool for the construction phase and will not be used for bidding. Visit www.skillmanplanroom.com for bid documents.

2. Include the removal and clean up of all masonry debris on site during construction.
3. Include minor demolition as required for the exterior brick repair work as noted on the plans and in the specifications.
4. Provide all caulking related to exterior brick to metal transitions and all vertical control joints.
5. Includes all required flashing and sealers required per the plans and specifications.
6. Provide and install all exterior insulation behind the brick as noted in the plans and specifications for the new gym addition.
7. Provide all required man power required to meet the construction schedule.
8. Provide all required temporary protection to complete your scope of work.

~~D. BID CATEGORY NO. 4 METALS~~

~~General Requirements in Paragraph 3.02.B above.~~

Section	01 21 00	Allowances
Section	05 12 00	Structural Steel Framing
Section	05 21 00	Steel Joist Framing
Section	05 31 00	Steel Decking
Section	05 50 00	Metal Fabrications
Section	05 52 13	Pipe and Tube Railings

~~Clarifications:~~

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~~E. BID CATEGORY NO. 5 CASEWORK AND SHELVING~~

~~General Requirements in Paragraph 3.02.B above.~~

Section	01 21 00	Allowances
Section	06 41 16	Plastic Laminate Faced Architectural Cabinets
Section	06 64 01	Fiber Reinforced Laminates
Section	11 51 23	Library Stack Systems

Section	12 35 53.19	Wood Laboratory Casework
Section	12 35 83	Specialty Casework
Section	12 36 61	Solid Surface Countertops
Section	12 36 23.13	Plastic Laminate Clad Countertops

Clarifications:

1. All Contractors shall subscribe to PlanGrid for use on this project. Number of users is up to the contractor. PlanGrid will be used for the current construction documentation to include; current set, addenda, ASI, RFI, AS Build Conditions, QA/QC, and Punch List. Visit www.PlanGrid.com to determine subscription pricing. At a minimum, your site personnel will be required to use this product to facilitate communication. It is recommended that you have an office administrator to assist your field personnel. PlanGrid is a tool for the construction phase and will not be used for bidding. Visit www.skillmanplanroom.com for bid documents.
2. Provide all material and installation related to this bid category.
3. Field verify all existing conditions prior to ordering new material.
4. Provide all required man power to meet the construction schedule.
5. Provide all required temporary protection to complete your scope of work.

~~F. BID CATEGORY NO. 6 ALUMINUM DOORS AND WINDOWS~~

~~General Requirements in Paragraph 3.02.B above:~~

Section	01 21 00	Allowances
Section	07 92 00	Joint Sealants
Section	08 11 16	Aluminum Doors
Section	08 12 00	Interior Aluminum Doors, Door Frames, and Glazing Frames
Section	08 41 13	Aluminum Framed Entrances and Storefronts
Section	08 44 13	Glazed Aluminum Curtain Walls
Section	08 45 23	Insulated Translucent Wall Panel System
Section	08 51 13	Aluminum Windows
Section	08 71 00	Door Hardware
Section	08 80 00	Glazing
Section	08 88 13	Fire Resistant Glazing

Clarifications:

1. All Contractors shall subscribe to PlanGrid for use on this project. Number of users is up to the contractor. PlanGrid will be used for the current construction documentation to include; current set, addenda, ASI, RFI, AS Build Conditions, QA/QC, and Punch List. Visit www.PlanGrid.com to determine subscription pricing. At a minimum, your site personnel will be required to use

~~this product to facilitate communication. It is recommended that you have an office administrator to assist your field personnel. PlanGrid is a tool for the construction phase and will not be used for bidding. Visit www.skillmanplanroom.com for bid documents.~~

- ~~2. Include all door hardware associated with the products included in this bid package per the plans and specifications.~~
- ~~3. Door hardware will include final keyed cylinders. All keying will be identified during the product submittal process.~~
- ~~4. Included field verification all existing and new opening prior to ordering any new material.~~
- ~~5. The owner's abatement contractor will remove all exterior aluminum windows.~~
- ~~6. Include all interior glazing as noted on the plans and in the specifications.~~
- ~~7. Include all required man power and material to meet the construction schedule.~~
- ~~8. Note that the window installation will be done in phased approach.~~
- ~~9. Include all caulking between new aluminum doors and windows to existing interior and exterior surfaces.~~
- ~~10. Provide all required man power to meet the construction schedule.~~
- ~~11. Provide all required temporary protection to complete your scope of work.~~

~~G. BID CATEGORY NO. 7 INSULATION, DRYWALL, ACOUSTICAL CEILINGS AND EIFS~~

~~General Requirements in Paragraph 3.02.B above.~~

Section	01 21 00	Allowances
Section	01 52 60	Rubbish Container
Section	05 40 00	Cold-Formed Metal Framing
Section	07 21 19	Foamed In Place Insulation
Section	07 24 13	Polymer Based Exterior Insulation and Finish System (EIFS)
Section	07 92 00	Joint Sealants
Section	07 92 19	Acoustical Joint Sealants
Section	07 95 13.13	Interior Expansion Joint Cover Assemblies
Section	07 95 13.16	Exterior Expansion Joint Cover Assemblies
Section	09 22 16	Non-Structural Metal Framing
Section	09 29 00	Gypsum Board
Section	09 51 13	Acoustical Panel Ceilings
Section	09 77 10	Framed Decorative Panel Systems
Section	09 84 33	Sound Absorbing Wall Units
Section	09 84 36	Sound Absorbing Ceiling Units

~~Clarifications:~~

- ~~1. All Contractors shall subscribe to PlanGrid for use on this project. Number of users is up to the contractor. PlanGrid will be used for the current construction documentation to include; current set, addenda, ASI, RFI, AS-Build Conditions, QA/QC, and Punch List. Visit www.PlanGrid.com to determine~~

subscription pricing. At a minimum, your site personnel will be required to use this product to facilitate communication. It is recommended that you have an office administrator to assist your field personnel. PlanGrid is a tool for the construction phase and will not be used for bidding. Visit www.skillmanplanroom.com for bid documents.

2. Provide all required man power to meet the construction schedule.
3. All work will be performed in phases.
4. Includes all insulation as noted in the plans and in the specifications.
5. Provide all required temporary protection to complete your scope of work.
6. Provide all metal stud framing as noted on the plans and in the specifications.

H. BID CATEGORY NO. 8 – ROOFING

General Requirements in Paragraph 3.02.B above.

Section	01 21 00	Allowances
Section	01 52 60	Rubbish Container
Section	02 41 19	Selective Demolition
Section	07 01 50.19	Preparation for Re Roofing
Section	07 21 00	Thermal Insulation
Section	07 54 19	Polyvinyl Chloride (PVC) Roofing
Section	07 62 00	Sheet Metal Flashing and Trim
Section	07 71 00	Roof Specialties
Section	07 72 00	Roof Accessories
Section	07 95 13.16	Exterior Expansion Joint Cover Assemblies

Clarifications:

1. All Contractors shall subscribe to PlanGrid for use on this project. Number of users is up to the contractor. PlanGrid will be used for the current construction documentation to include; current set, addenda, ASI, RFI, AS Build Conditions, QA/QC, and Punch List. Visit www.PlanGrid.com to determine subscription pricing. At a minimum, your site personnel will be required to use this product to facilitate communication. It is recommended that you have an office administrator to assist your field personnel. PlanGrid is a tool for the construction phase and will not be used for bidding. Visit www.skillmanplanroom.com for bid documents.
2. Provide all joint sealants required per the plans and specifications
3. BID CATEGORY NO. 1 General Trades will handle roof blocking.
4. All roof areas under construction must be cleaned daily with no exceptions.
5. Include the removal of debris related to the roofing scope of work.
6. Provide all required temporary protection to complete your scope of work.

I. BID CATEGORY NO. 9 – FLOORING

General Requirements in Paragraph 3.02.B above.

Section	01 21 00	Allowances
Section	02 41 19	Selective Demolition

Section	09 30 13	Ceramic Tiling
Section	09 65 13	Resilient Base and Accessories
Section	09 65 19	Resilient Tile Flooring
Section	09 68 13	Tile Carpeting

Clarifications:

1. All Contractors shall subscribe to PlanGrid for use on this project. Number of users is up to the contractor. PlanGrid will be used for the current construction documentation to include; current set, addenda, ASI, RFI, AS Build Conditions, QA/QC, and Punch List. Visit www.PlanGrid.com to determine subscription pricing. At a minimum, your site personnel will be required to use this product to facilitate communication. It is recommended that you have an office administrator to assist your field personnel. PlanGrid is a tool for the construction phase and will not be sued for bidding. Visit www.skillmanplanroom.com for bid documents.
2. Include all floor demo except for the areas that will abated by others. Reference the floor abatement plan provided in the bid documents.
3. Include the removal of the glue adhesive as part of the floor prep for all floors that will be abated by others.
4. Include all floor prep required for the installation of new materials per the plans and specifications.
5. Provide all required man power to complete the project per the construction schedule.
6. Provide all required temporary protection to complete your scope of work.

~~J. BID CATEGORY NO. 10 WOOD GYMNASIUM FLOORING~~

~~General Requirements in Paragraph 3.02.B above.~~

Section	01 21 00	Allowances
Section	02 41 19	Selective Demolition
Section	09 64 20	Wood Gymnasium Flooring

Clarifications:

1. All Contractors shall subscribe to PlanGrid for use on this project. Number of users is up to the contractor. PlanGrid will be used for the current construction documentation to include; current set, addenda, ASI, RFI, AS Build Conditions, QA/QC, and Punch List. Visit www.PlanGrid.com to determine subscription pricing. At a minimum, your site personnel will be required to use this product to facilitate communication. It is recommended that you have an office administrator to assist your field personnel. PlanGrid is a tool for the construction phase and will not be sued for bidding. Visit www.skillmanplanroom.com for bid documents.
2. Include all floor prep required for the installation of new materials per the plans and specifications.
3. Provide all required man power to complete the project per the construction schedule.
4. Provide all required temporary protection to complete your scope of work.

~~K. BID CATEGORY NO. 11 - TERRAZZO FLOORING~~

~~General Requirements in Paragraph 3.02.B above.~~

~~Section 01 21 00 Allowances~~

~~Section 02 41 19 Selective Demolition~~

~~Section 09 66 23 Resinous Matrix Terrazzo Flooring~~

~~Clarifications:~~

- ~~1. All Contractors shall subscribe to PlanGrid for use on this project. Number of users is up to the contractor. PlanGrid will be used for the current construction documentation to include; current set, addenda, ASI, RFI, AS Build Conditions, QA/QC, and Punch List. Visit www.PlanGrid.com to determine subscription pricing. At a minimum, your site personnel will be required to use this product to facilitate communication. It is recommended that you have an office administrator to assist your field personnel. PlanGrid is a tool for the construction phase and will not be sued for bidding. Visit www.skillmanplanroom.com for bid documents.~~
- ~~2. Include all floor prep required for the installation of new materials per the plans and specifications.~~
- ~~3. Provide all required man power to complete the project per the construction schedule.~~
- ~~4. Provide all required temporary protection to complete your scope of work.~~

L. BID CATEGORY NO. 12 - METAL LOCKERS

General Requirements in Paragraph 3.02.B above.

Section 10 51 13 Metal Lockers

Clarifications:

1. All Contractors shall subscribe to PlanGrid for use on this project. Number of users is up to the contractor. PlanGrid will be used for the current construction documentation to include; current set, addenda, ASI, RFI, AS Build Conditions, QA/QC, and Punch List. Visit www.PlanGrid.com to determine subscription pricing. At a minimum, your site personnel will be required to use this product to facilitate communication. It is recommended that you have an office administrator to assist your field personnel. PlanGrid is a tool for the construction phase and will not be sued for bidding. Visit www.skillmanplanroom.com for bid documents.
2. Provide all required temporary protection to complete your scope of work.
3. Demo of the Existing Lockers will be done by Bid Category No. 1 – General Trades Contractor.

~~M. BID CATEGORY NO. 13 - FOOD SERVICE EQUIPMENT~~

~~General Requirements in Paragraph 3.02.B above.~~

Section 07 92 00 Joint Sealants
Section 11 40 00 Food Service Equipment

Clarifications:

1. All Contractors shall subscribe to PlanGrid for use on this project. Number of users is up to the contractor. PlanGrid will be used for the current construction documentation to include; current set, addenda, ASI, RFI, AS Build Conditions, QA/QC, and Punch List. Visit www.PlanGrid.com to determine subscription pricing. At a minimum, your site personnel will be required to use this product to facilitate communication. It is recommended that you have an office administrator to assist your field personnel. PlanGrid is a tool for the construction phase and will not be sued for bidding. Visit www.skillmanplanroom.com for bid documents.

N. BID CATEGORY NO. 14 - GYM EQUIPMENT

General Requirements in Paragraph 3.02.B above.

Section 12 66 00 Telescoping Stands

Clarifications:

1. All Contractors shall subscribe to PlanGrid for use on this project. Number of users is up to the contractor. PlanGrid will be used for the current construction documentation to include; current set, addenda, ASI, RFI, AS Build Conditions, QA/QC, and Punch List. Visit www.PlanGrid.com to determine subscription pricing. At a minimum, your site personnel will be required to use this product to facilitate communication. It is recommended that you have an office administrator to assist your field personnel. PlanGrid is a tool for the construction phase and will not be sued for bidding. Visit www.skillmanplanroom.com for bid documents.

O. BID CATEGORY NO. 15 - FIRE PROTECTION

General Requirements in Paragraph 3.02.B above.

Section	01 21 00	Allowances
Section	07 84 13	Penetration Firestopping
Section	07 84 43	Joint Firestopping
Section	21 05 00	Common Work Results for Fire Suppression
Section	21 10 00	Water-Based Fire Suppression Systems

Clarifications:

1. All Contractors shall subscribe to PlanGrid for use on this project. Number of users is up to the contractor. PlanGrid will be used for the current construction documentation to include; current set, addenda, ASI, RFI, AS Build Conditions, QA/QC, and Punch List. Visit www.PlanGrid.com to determine subscription pricing. At a minimum, your site personnel will be required to use this product to facilitate communication. It is recommended that you have an

office administrator to assist your field personnel. PlanGrid is a tool for the construction phase and will not be sued for bidding. Visit www.skillmanplanroom.com for bid documents.

1. Provide all required fire-stopping directly related to the installation of the new fire protection system.
2. Provide all engineering required for final layout of the fire protection system as required for installation and permitting. Fire protection piping designs will need to be submitted in CAD at minimum but REVIT is preferred to properly review all mechanical coordination.
3. Provide all permit costs for the fire protection system.
4. Provide all required man power to meet the construction schedule.
5. Provide all required temporary protection to complete your scope of work.

~~P. ——— BID CATEGORY NO. 16 — PLUMBING~~

~~General Requirements in Paragraph 3.02.B above:~~

Section	01 21 00	Allowances
Section	01 51 50	Temporary Water
Section	02 4119	Selective Demolition
Section	07 84 13	Penetration Fire Stopping
Section	07 84 43	Joint Firestopping
Section	07 92 00	Joint Sealants
Section	11 40 00	Food Service Equipment
Section	22 00 02	Work In Existing Building
Section	22 05 00	Common Work Results for Plumbing
Section	22 05 01	Basic Mechanical Material and Methods
Section	22 05 13	Common Motor Requirement for Plumbing
		Equipment
Section	22 05 19	Meters and Gauges for Plumbing Piping
Section	22 05 23	General Duty Valves for Plumbing
Section	22 05 29	Hangers and Supports for Plumbing Piping and
		Equipment
Section	22 05 53	Identification for Plumbing Piping and Equipment
Section	22 07 00	Plumbing Insulation
Section	22 11 16	Domestic Water Piping
Section	22 11 19	Domestic Water Piping Specialties
Section	22 11 23	Domestic Water Pumps
Section	22 13 16	Sanitary Waste and Vent Piping Systems
Section	22 14 13	Facility Storm Drainage Piping
Section	22 31 00	Domestic Water Softener
Section	22 34 00	Fuel-Fired, Domestic Water Heater
Section	22 40 00	Plumbing Fixtures
Section	22 45 00	Emergency Plumbing Fixtures
Section	22 47 00	Drinking Fountains and Water Coolers

Section — 22 66 00 — Acid Waste and Vent System

Clarifications:

1. — All Contractors shall subscribe to PlanGrid for use on this project. Number of users is up to the contractor. PlanGrid will be used for the current construction documentation to include; current set, addenda, ASI, RFI, AS Build Conditions, QA/QC, and Punch List. Visit www.PlanGrid.com to determine subscription pricing. At a minimum, your site personnel will be required to use this product to facilitate communication. It is recommended that you have an office administrator to assist your field personnel. PlanGrid is a tool for the construction phase and will not be used for bidding. Visit www.skillmanplanroom.com for bid documents.
2. — Provide all required fire stopping directly related to the installation of the plumbing systems.
3. — Note that the phasing plan for the project includes keeping select existing system operational as the new plumbing systems are getting installed.
4. — Provide the demolition of all existing plumbing systems in a phased approach during construction. Note that all existing plumbing lines in the tunnels will be capped off and abandoned in place.
5. — Provide all saw cutting and concrete removal for the relocation and installation of underground plumbing.
6. — Provide all concrete patching associated with your selective concrete cutting and demolition.
7. — Provide all plumbing provisions associated with owner provided food service equipment.
8. — Provide all temporary protection required to complete your work and to protect existing materials.

~~Q. — BID CATEGORY NO. 17- HEATING, VENTILATING, AND AIR CONDITINING (HVAC) —~~

~~General Requirements in Paragraph 3.02.B above.~~

~~Section — 01 21 00 — Allowances~~

~~Section — 01 51 30 — Temporary Heating, Ventilation, and Cooling~~

~~Section — 02 41 19 — Selective Demolition~~

~~Section — 07 84 13 — Penetration Fire Stopping~~

~~Section — 07 84 43 — Joint Firestopping~~

~~Section — 07 92 19 — Joint Sealants~~

~~Section — 08 90 00 — Louvers~~

~~Section — 11 40 00 — Food Service Equipment (Rough-In)~~

~~Section — 11 61 00 — Laboratory Fume Hoods~~

~~Section — 11 55 50 — Kilns~~

~~Section — 23 05 00 — Common Work Results~~

~~Section — 23 05 13 — Common Motor Requirements~~

Section	23 05 19	Thermometers & Pressure Gages
Section	23 05 23	General Duty Valves
Section	23 05 29	Hangers & Support
Section	23 05 53	Identification
Section	23 05 93	Testing and Balancing
Section	23 07 00	Insulation
Section	23 09 00	Instrumentation and Control
Section	23 09 93	Sequences of Operation
Section	23 09 93 PL	PL System Control Point List
Section	23 11 23	Facility Natural Gas Piping
Section	23 21 13	Hydronic Pipe & Accessories
Section	23 21 23	Hydronic Pumps & Accessories
Section	23 23 00	Refrigerant Piping
Section	23 25 00	Water Treatment
Section	23 29 23	Variable Frequency Motor Controller
Section	23 31 13	Metal Duct
Section	23 31 16	Nonmetal Duct
Section	23 33 00	Air Duct Accessories
Section	23 34 23	Powered Ventilators
Section	23 36 00	Air Terminal Units
Section	23 37 13	Diffusers, Registers, and Grills
Section	23 37 23	Roof Mounted Ventilators
Section	23 51 00	Flue Gas Ventilating
Section	23 52 16	Condensing Boiler
Section	23 64 17	Thermal Storage Units
Section	23 64 23	Air Cooled Scroll Chiller
Section	23 73 13	Modular Air Handler
Section	23 73 15	Energy Recovery Air Hangers
Section	23 81 26	Packed Split System
Section	23 81 46	Unitary Heat Pump
Section	23 82 19	Fan Coil Unit
Section	23 82 39	Cabinet and Propeller Heater
Section	23 83 16	Finned Tube Heaters

Clarifications:

1. All Contractors shall subscribe to PlanGrid for use on this project. Number of users is up to the contractor. PlanGrid will be used for the current construction documentation to include; current set, addenda, ASI, RFI, AS Build Conditions, QA/QC, and Punch List. Visit www.PlanGrid.com to determine subscription pricing. At a minimum, your site personnel will be required to use this product to facilitate communication. It is recommended that you have an office administrator to assist your field personnel. PlanGrid

is a tool for the construction phase and will not be sued for bidding. Visit www.skillmanplanroom.com for bid documents.

2. Include the demolition and the disposal of all existing mechanical systems.
3. The demolition of the existing mechanical systems will be done by phase with the intentions of phasing in the new systems as the old system is decommissioned. Include all required fire stopping directly related to the installation of the mechanical systems.
4. Note that all existing mechanical piping in the tunnels will be capped off and abandoned in place.
5. Provide all saw cutting and concrete removal required for the relocation and installation of new mechanical piping.
6. Provide all concrete patching associated with your selective concrete cutting and demolition.
7. Provide all temporary heating and ventilation required for construction.
8. Provide all temporary protection required to complete your work and to protect existing materials.
9. Provide all required man power to meet the construction schedule.
10. Provide capping the existing roof curbs where existing roof top units are getting removed as noted in the plan and specifications.

R. BID CATEGORY NO. 18 - ELECTRICAL

General Requirements in Paragraph 3.02.B above.

Section	01 21 00	Allowances
Section	01 51 10	Temporary Electricity, Lighting, and Warning Systems
Section	02 41 19	Selective Demolition
Section	07 84 13	Penetration Fire Stopping
Section	07 84 43	Joint Firestopping
Section	07 92 19	Joint Sealants
Section	08 71 00	Door Hardware (As Applicable)
Section	11 40 00	Food Service Equipment
Section	11 61 00	Laboratory Fume Hoods
Section	11 52 13	Projection Screens
Section	26 00 05	Electrical Demolition
Section	26 00 50	General Electrical Requirements
Section	26 05 05	Electrical Testing
Section	26 05 19	Low Voltage Electrical Power Conductors and Cables
Section	26 05 26	Grounding and Bonding for Electrical Systems
Section	26 05 29	Hanger and Supports for Electrical Systems
Section	26 05 33	Conduit and Boxes for Electrical Systems
Section	26 05 35	Surface Raceways for Electrical Systems
Section	26 05 43	Underground Ducts and Raceways for Electrical Systems

Section	26-05-53	Identification for Electrical Systems
Section	26-05-72	Overcurrent Protective Device Short-Circuit Study
Section	26-05-73	Overcurrent Protective Device Coordination Study
Section	26-05-74	Overcurrent Protective Device Arc-Flash Study
Section	26-09-23	Lighting Control Devices
Section	26-22-00	Low-Voltage Transformers
Section	26-24-13	Switchboards
Section	26-24-16	Panelboards
Section	26-27-26	Wiring Devices
Section	26-28-13	Fuses
Section	26-28-16	Enclose Switches and Circuit Breakers
Section	26-29-13	Enclosed Controllers
Section	26-35-26	Harmonic Filters
Section	26-35-33	Power Factor Correction Equipment
Section	26-40-02	Underground Electrical Service
Section	26-51-00	Interior Lighting
Section	26-56-00	Exterior Lighting
Section	28-31-11	Digital, Addressable Fire-Alarm System

Clarifications:

1. All Contractors shall subscribe to PlanGrid for use on this project. Number of users is up to the contractor. PlanGrid will be used for the current construction documentation to include; current set, addenda, ASI, RFI, AS-Build Conditions, QA/QC, and Punch List. Visit www.PlanGrid.com to determine subscription pricing. At a minimum, your site personnel will be required to use this product to facilitate communication. It is recommended that you have an office administrator to assist your field personnel. PlanGrid is a tool for the construction phase and will not be used for bidding. Visit www.skillmanplanroom.com for bid documents.
2. Provide the demolition and the disposal of all existing electrical systems as noted on the demo plans per the scope of work identified above.
3. The demolition of the existing electrical systems will be done systematically by phase with the intentions of phasing in the new systems and removing the old. Include all required fire stopping directly related to the installation of all new systems.
4. Note that all existing conduits, wires, and associated equipment that are currently located in the tunnels will be capped off and abandoned in place.
5. Provide all saw cutting and concrete removal required for the relocation and installation of all electrical systems.
6. Provide all concrete patching associated with your selective concrete cutting and demolition.
7. Provide all temporary electrical and lighting required for construction.
8. Include all temporary protection required to complete your work and to protect existing materials.

9. Provide all required man power to meet the construction schedule.
10. Final IT networking and programming will be completed by the Owner.
11. The new electrical transformer will be provided by the local Utility Company.
12. Provide all provision to assist the owner in the local energy rebate program.
13. Provide all required power related to security and door hardware.

S. ~~BID CATEGORY NO. 19 COMMUNICATIONS~~

General Requirements in Paragraph 3.02.B above:

Section	27 01 00	Operation and Maintenance of Communication Systems
Section	27 01 11	Demonstration, Training, and Warranty of Communication Systems
Section	27 05 00	Common Work Results for Communications
Section	27 05 26	Grounding and Bonding for Communications Systems
Section	27 05 28	Pathways for Communications Systems
Section	27 05 53	Identification for Communication Systems
Section	27 11 00	Communications Equipment Room Fittings
Section	27 11 00TM	Manufacturers Material List
Section	27 13 23	Communications Fiber Optic Backbone Cabling
Section	27 13 23TM	Manufacturers Material List
Section	27 15 11	Conductors for Public Address and Mass Notifications Systems
Section	27 15 15	Communications Copper Horizontal Cabling (Cat 6)
Section	27 15 15TM	Manufacturers Material List
Section	27 15 17	Communications Copper Horizontal Cabling (Augmented Cat 6A)
Section	27 15 17TM	Manufacturers Material List
Section	27 15 53	Miscellaneous Communication Audio Video Cabling
Section	27 15 53TM	Manufacturers Material List
Section	27 40 00	VAE Sound System
Section	27 51 16	Public Address and Mass Notification System
Section	27 51 25	IP Based Intercommunications and Program System
Section	27 53 15	Synchronous Wireless Clock Systems
Section	28 05 10	Common Work Results for Electronic Safety and Security
Section	28 05 23	Conductors and Cables for Electronic Safety and Security
Section	28 13 10	Access Control System
Section	28 16 00	Intrusion Detection System
Section	28 23 11	IP Video Surveillance System

Clarifications:

1. ~~All Contractors shall subscribe to PlanGrid for use on this project. Number of users is up to the contractor. PlanGrid will be used for the current construction documentation to include; current set, addenda, ASI, RFI, AS-Build Conditions, QA/QC, and Punch List. Visit www.PlanGrid.com to determine subscription pricing. At a minimum, your site personnel will be required to use this product to facilitate communication. It is recommended that you have an office administrator to assist your field personnel. PlanGrid is a tool for the construction phase and will not be used for bidding. Visit www.skillmanplanroom.com for bid documents.~~
2. ~~Provide the demolition and the disposal of all existing security and IT systems as noted on the demo plans per the scope of work identified above.~~
3. ~~The demolition of the existing security and IT systems will be done systematically by phase with the intentions of phasing in the new systems and removing the old. Include all required fire stopping directly related to the installation of all new systems.~~
4. ~~Note that all existing conduits, wires, and associated equipment that are currently located in the tunnels will be capped off and abandoned in place.~~
5. ~~Provide all saw cutting and concrete removal required for the relocation and installation of all security and IT systems.~~
6. ~~Provide all concrete patching associated with your selective concrete cutting and demolition.~~
7. ~~Include all temporary protection required to complete your work and to protect existing materials.~~
8. ~~Provide all required man power to meet the construction schedule.~~
9. ~~Final IT networking and programing will be completed by the Owner.~~

END OF SECTION 01 12 00