



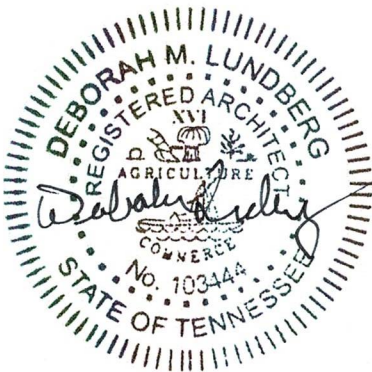
STUDENT RECREATION CENTER FLOORING
REPLACEMENT
PELLISSIPPI STATE COMMUNITY COLLEGE
KNOXVILLE, KNOX COUNTY, TENNESSEE
SBC No. 166/032-03-2019

ADDENDUM #1 (Date: 06/24/2020)

LIST OF CHANGES

Project Manual:

- Section 01 70 00 Execution and Closeout Requirements: Missing from Project Manual.
- Section 32 12 16 Asphalt Paving: Missing from Project Manual.



06/24/2020

DATE
05/31/2022

LICENSE EXPIRES

HURST-ROSCHÉ INC.

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SECTION 01 70 00

EXECUTION AND CLOSEOUT REQUIREMENTS

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Closeout procedures.
- B. Final cleaning.
- C. Protecting installed construction.
- D. Manual for materials and finishes.
- E. Manual for equipment and systems.
- F. Spare parts and maintenance products.
- G. Product warranties and product bonds.
- H. Maintenance service.

1.2 CLOSEOUT PROCEDURES

- A. Submit written certification that Contract Documents have been reviewed, Work has been inspected, and that Work is complete in accordance with Contract Documents and ready for Architect's review.
- B. Provide submittals to Architect required by authorities having jurisdiction.
- C. Submit final Application for Payment identifying total adjusted Contract Sum, previous payments, and sum remaining due.
- D. Owner will not occupy the building.

1.3 FINAL CLEANING

- A. Execute final cleaning prior to final project assessment.
- B. Remove temporary labels, stains and foreign substances and soft surfaces.
- C. Clean drainage systems.
- D. Clean site; sweep paved areas, rake clean landscaped surfaces.
- E. Remove waste and surplus materials, rubbish, and construction facilities from site.

1.4 PROTECTING INSTALLED CONSTRUCTION

- A. Protect installed Work and provide special protection where specified in individual specification sections.

- B. Provide temporary and removable protection for installed products. Control activity in immediate work area to prevent damage.
- C. Prohibit traffic from landscaped areas.

1.5 MANUAL FOR MATERIALS AND FINISHES

- A. Submit two copies of preliminary draft or proposed formats and outlines of contents before start of Work. Architect will review draft and return one copy with comments.
- B. For equipment, or component parts of equipment put into service during construction and operated by Owner, submit documents within ten days after acceptance.
- C. Submit one copy of completed volumes 15 days prior to final inspection. Draft copy be reviewed and returned after final inspection, with Architect comments. Revise content of document sets as required prior to final submission.
- D. Submit two sets of revised final volumes in final form within 10 days after final inspection.
- E. Instructions for Care and Maintenance: Include manufacturer's recommendations for cleaning agents and methods, precautions against detrimental agents and methods, and recommended schedule for cleaning and maintenance.
- F. Moisture Protection and Weather Exposed Products: Include product data listing applicable reference standards, chemical composition, and details of installation. Include recommendations for inspections, maintenance, and repair.
- G. Additional Requirements: As specified in individual product specification sections.
- H. Include listing in Table of Contents for design data, with tabbed fly sheet and space for insertion of data.

1.6 MANUAL FOR EQUIPMENT AND SYSTEMS

- A. Submit two copies of preliminary draft or proposed formats and outlines of contents before start of Work. Architect will review draft and return one copy with comments.
- B. For equipment, or component parts of equipment put into service during construction and operated by Owner, submit documents within ten days after acceptance.
- C. Submit one copy of completed volumes 15 days prior to final inspection. Draft copy will be reviewed and returned after final inspection, with Architect comments. Revise content of document sets as required prior to final submission.
- D. Submit two sets of revised final volumes in final form within 10 days after final inspection.
- E. Each Item of Equipment and Each System: Include description of unit or system, and component parts. Identify function, normal operating characteristics, and limiting conditions. Include performance curves, with engineering data and tests, and complete nomenclature and model number of replaceable parts.

- F. Panelboard Circuit Directories: Provide electrical service characteristics, controls, and communications; typed.
- G. Include color coded wiring diagrams as installed.
- H. Operating Procedures: Include start-up, break-in, and routine normal operating instructions and sequences. Include regulation, control, stopping, shut-down, and emergency instructions. Include summer, winter, and special operating instructions.
- I. Maintenance Requirements: Include routine procedures and guide for preventative maintenance and trouble shooting; disassembly, repair, and reassembly instructions; and alignment, adjusting, balancing, and checking instructions.
- J. Include servicing and lubrication schedule, and list of lubricants required.
- K. Include manufacturer's printed operation and maintenance instructions.
- L. Include sequence of operation by controls manufacturer.
- M. Include original manufacturer's parts list, illustrations, assembly drawings, and diagrams required for maintenance.
- N. Include control diagrams by controls manufacturer as installed.
- O. Include Contractor's coordination drawings, with color coded piping diagrams as installed.
- P. Include charts of valve tag numbers, with location and function of each valve, keyed to flow and control diagrams.
- Q. Include list of original manufacturer's spare parts, current prices, and recommended quantities to be maintained in storage.
- R. Include test and balancing reports as specified in Section 01 40 00.
- S. Additional Requirements: As specified in individual product specification sections.
- T. Include listing in Table of Contents for design data, with tabbed dividers and space for insertion of data.

1.7 SPARE PARTS AND MAINTENANCE PRODUCTS

- A. Furnish spare parts, maintenance, and extra products in quantities specified in individual specification sections.
- B. Deliver to Project site and place in location as directed by Owner; obtain receipt prior to final payment.

1.8 PRODUCT WARRANTIES AND PRODUCT BONDS

- A. Obtain warranties and bonds executed in duplicate by responsible subcontractors, suppliers, and manufacturers, within ten days after completion of applicable item of work.

- B. Execute and assemble transferable warranty documents and bonds from subcontractors, suppliers, and manufacturers.
- C. Verify documents are in proper form, contain full information, and are notarized.
- D. Co-execute submittals when required.
- E. Include Table of Contents and assemble in three D side ring binder with durable plastic cover.
- F. Submit prior to final Application for Payment.
- G. Time Of Submittals:
 - 1. For equipment or component parts of equipment put into service during construction with Owner's permission, submit documents within ten days after acceptance.
 - 2. Make other submittals within ten days after Date of Substantial Completion, prior to final Application for Payment.
 - 3. For items of Work for which acceptance is delayed beyond Date of Substantial Completion, submit within ten days after acceptance, listing date of acceptance as beginning of warranty or bond period.

1.9 MAINTENANCE SERVICE

- A. Furnish service and maintenance of components indicated in specification sections during warranty period.
- B. Include systematic examination, and adjustment of components. Repair or replace parts whenever required. Use parts produced by manufacturer of original component.
- C. Do not assign or transfer maintenance service to agent or Subcontractor without prior written consent of Owner.

PART 2 PRODUCTS

Not Used.

PART 3 EXECUTION

Not Used.

END OF SECTION

SECTION 32 12 16

ASPHALT PAVING

PART 1 GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:
 - 1. Prime Coat application.
 - 2. Construction of Hot Mix Asphalt (HMA) surface.
- B. Related Sections:
 - 1. Section 31 22 13 - Rough Grading.
 - 2. Section 32 05 16 - Aggregates.
 - 3. Section 32 11 23 - Aggregate Base Course.

1.3 REFERENCES

- A. Tennessee Department of Transportation (TDOT): Standard Specifications for Road and Bridge Construction, 2015, and all addenda. References made to compensation, method of measurement and basis of payment shall not apply.

1.4 SUBMITTALS

- A. Asphalt Mixes: Submit mix data. Bituminous plant and mixture MUST be TDOT approved.

1.5 TESTING & INSPECTION

- A. Testing and inspection of bituminous concrete mixes and testing of placed aggregate base course and hot mix asphalt pavement will be performed by an independent testing laboratory employed and paid by the Contractor, in accordance with Specification Section 01 40 00 – Quality Requirements. Testing and inspection will be performed in a manner to minimize disruption of work.
- B. Allow testing laboratory access to mixing plant for verification of weights or proportions, character of materials used and determination of temperatures used in preparation of hot mix asphalt pavement.
- C. When requested, testing laboratory will perform tests on hot mix asphalt pavement mix to determine conformity with specifications.
- D. Contractor shall pay for all costs of additional testing necessary due to improper performance of work.
- E. Do not place hot-mix asphalt pavement until satisfactory results have been verified and base course approved in writing by the Engineer.

- F. When compaction test results for the hot-mix asphalt courses indicate non-conforming work, remove defective work, replace and retest.

PART 2 PRODUCTS

2.1 MATERIALS

- A. Milling: Perform in accordance with TDOT Standard Specification Section 415.
- B. Hot-Mix Asphalt Binder Course: In accordance with TDOT Standard Specification Section 407.
- C. Hot-Mix Asphalt Surface Course: In accordance with TDOT Standard Specification Section 407.
- D. Bituminous Materials (Prime Coat): Apply in accordance with TDOT Standard Specification Section 402.

PART 3 EXECUTION

3.1 INSTALLATION

- A. Provide all items and perform all preparation and work in accordance with TDOT Standard Specifications, referenced sections:
 - 1. Milling: 415.
 - 2. Hot-mix asphalt binder course: 407.
 - 3. Hot-mix asphalt surface course: 407.
 - 4. Bituminous materials (prime coat): 402.
 - 5. Full depth hot-mix asphalt: 407.

3.2 PREPARATION

- A. Mill and broom hot-mix asphalt surfaces in accordance with TDOT Standard Specification Section 407.19 and the plan set.

3.3 PLACEMENT OF HOT-MIX ASPHALT PAVEMENT

- A. Hot-mix asphalt pavement courses shall be placed in accordance with TDOT Standard Specification Section 407.
- B. In addition to the weather and temperature limitations specified in Section 407 of the Standard Specifications, in the event of sudden rain, the loading of trucks shall immediately stop whether they be from the plant or storage bins.

Material in transit will be permitted to be laid at the Contractor's risk provided the pavement is free of standing water and the proper temperatures of the asphaltic mix are maintained. Approval to unload the trucks in transit shall in no way relax the requirements of quality, density or smoothness of the bituminous mixture being placed.

At least four weeks prior to the start of construction, the Contractor shall submit samples of the coarse aggregate(s), the fine aggregate(s), mineral filler and asphalt he proposes to use for the purpose of establishing a job mix formula. This requirement may be waived by the Engineer, provided the Contractor can show evidence that his proposed materials have produced a bituminous mixture meeting the requirements below.

- C. Compact each course by rolling to specified density. Do not displace or extrude pavement from position. Hand compact in areas inaccessible to rolling equipment.
- D. Perform rolling with consecutive passes to achieve even and smooth finish, without roller marks.
- E. Hot-mix asphalt pavement mix used must be TDOT approved.
- F. Bituminous Materials (Prime Coat) shall be placed between all lifts in accordance with the Tennessee Department of Transportation Standard Specifications.

3.4 TOLERANCES

- A. Section 01 40 00 – Quality Requirements: Tolerances.
- B. Flatness: Maximum variation of 1/8 inch measured with a 10-foot straight edge or as required per the awarded Sports Flooring manufacturer.
- C. Scheduled Compacted Thickness: Within 1/4 inch.
- D. Variation of Indicated Elevation: Within 1/2 inch.

END OF SECTION