

AGENDA

CONSTRUCTION COMMITTEE

**UNIVERSITY OF SOUTHERN INDIANA
BOARD OF TRUSTEES**

June 20, 2001

- 1. REVIEW AND APPROVAL OF CONSTRUCTION BIDS FOR MISCELLANEOUS IMPROVEMENTS RELATED TO THE SCIENCE/EDUCATION CLASSROOM BUILDING PROJECT (Attachments A, B, and C)**

MISCELLANEOUS IMPROVEMENTS

UNIVERSITY OF SOUTHERN INDIANA
Architect's Project No. W6-192

SECTION 01100 - SUMMARY OF WORK

1PART - GENERAL

1.1 RELATED DOCUMENTS

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

1.1 WORK COVERED BY CONTRACT DOCUMENTS

- A. Project Identification:

**Miscellaneous Improvements
University of Southern Indiana
Evansville, Indiana**

Architect's Project No. W6-192
May 4, 2001

- A. Project Location:

**University of Southern Indiana
8600 University Boulevard
Evansville, Indiana**

- A. Architect Identification:

**Edmund L. Hafer & Associates, P.C.
Suite 800
21 Southeast Third Street
Evansville, Indiana 47708**

- A. Project Summary - The project consists of following miscellaneous improvement components:

- 1. Base Bid No. 1: Completion of the following Site Clearing, Building Demolition & Site Utility Relocation items as identified in the Contract Documents:
 - a. Site Clearing and Building Demolition including:
 - 1) Greenhouse Removal and Relocation.
 - 2) Solvent Storage Building Demolition.
 - 3) Chemical Storage Building Demolition.
 - a. Site Utility Relocations.

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1. Base Bid No. 2: Completion of the following existing Loop Roadway Paving and new Extension items as identified in the Contract Documents:

- a. Paving of the existing portion of Loop Roadway.
- b. New Loop Roadway adjacent Reflection Lake.
- c. Segmented Modular Retaining Walls.

- 1) Alternate 2A - Service Drive from Security Building to Forum Wing.

- a) Dumpster Enclosure.
- b) Parking Lot Improvements at the Security Building.

- 1) Alternate 2B - Walkway from Physical Plant to Security Building.
- 2) Alternate 2C - Access Drive through Parking Lot "G"
- 3) Alternate 2D - Curb Enhancements along Bent Twig Lane

1. Base Bid No. 3: Completion of the following Lake Enhancement items as identified in the Contract Documents:

- a. Lake Enhancements including:

- 1) Spillway Improvements.
- 2) Fountains.
- 3) Sediment Removal.

1. Base Bid No. 4: Completion of the following Campus Infrastructure Improvement items as identified in the Contract Documents:

- a. Removal of existing Chiller w/Pumps & Cooling Tower.
- b. Installation of new 1200 ton Chiller w/Pumps & Cooling Tower.
- c. Removal and Replacement of electrical systems associated with the above work.
- d. New Temperature Controls associated with the above work.

- 1) Alternate 4A - Heating Hot Water Pump Replacement.

1. Base Bid No. 5: Completion of the following Campus Infrastructure Improvement items as identified in the Contract Documents:

- a. Extend Chilled Water Piping from Manhole 7 - 10.
- b. Extend High Temp Water Piping from Manhole 7 - 10.

1.1 CONTRACT

- A. Project may be constructed under multiple construction contracts or a single unified construction contract.

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Architect's Project No. W6-192

USE OF PREMISES

- A. General: Contractor shall have full use of premises for construction operations, including use of Project Site, during construction period. Contractor's use of premises is limited only by Owner's right to utilize, perform work or to retain other contractors on portions of Project.

1.1 WORK UNDER OTHER CONTRACTS

Separate Contract: Owner will award a separate contract for performance of certain construction operations at Project Site. Those operations will be conducted simultaneously with work under this Contract. This contract will include the following:

1. The Owner will be utilizing all areas within and adjacent the site throughout the duration of the project as indicated on the drawings.
2. The Owner will be utilizing the existing buildings and parking within and adjacent the Project Site.
 - a. Cooperate fully with the Owner and Separate Contractors so work on those contracts may be carried out smoothly, without interfering with or delaying work under this Contract.

1.1 WORK SEQUENCE

Refer to the drawings for sequencing plans and notes.

SPECIFICATION FORMATS AND CONVENTIONS

- A. Specification Format: The Specifications are organized into Divisions and Sections using the 16-division format and CSI/CSC's "MasterFormat" numbering system.
1. Section Identification: The Specifications use section numbers and titles to help cross-referencing in the Contract Documents. Sections in the Project Manual are in numeric sequence; however, the sequence is incomplete. Consult the table of contents at the beginning of the Project Manual to determine numbers and names of sections in the Contract Documents.
- A. Specification Content: The Specifications use certain conventions for the style of language and the intended meaning of certain terms, words, and phrases when used in particular situations. These conventions are as follows:
1. Abbreviated Language: Language used in the Specifications and other Contract Documents is abbreviated. Words and meanings shall be interpreted as appropriate. Words implied, but not stated, shall be inferred as the sense requires. Singular words shall be interpreted as plural, and plural words shall be interpreted as singular where applicable as the context of the Contract Documents indicates.

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Architect's Project No. W6-192

2. Imperative mood and streamlined language are generally used in the Specifications. Requirements expressed in the imperative mood are to be performed by Contractor. Occasionally, the indicative or subjunctive mood may be used in the Section Text for clarity to describe responsibilities that must be fulfilled indirectly by Contractor or by others when so noted.
 - a. The words "shall," "shall be," or "shall comply with," depending on the context, are implied where a colon (:) is used within a sentence or phrase.

END OF SECTION 01100

MISCELLANEOUS IMPROVEMENTS

UNIVERSITY OF SOUTHERN INDIANA
Architect's Project No. W6-192

SECTION 01030 - ALTERNATES (Revised - June 1, 2001)

1PART - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

- A. This Section includes administrative and procedural requirements governing Alternates.

1.3 DEFINITIONS

- A. Definition: An alternate is an amount proposed by bidders and stated on the Bid Form for certain work defined in the Bidding Requirements that may be added to or deducted from the Base Bid amount if the Owner decides to accept a corresponding change in either the amount of construction to be completed, or in the products, materials, equipment, systems, or installation methods described in the Contract Documents.
 - 1. The cost or credit for each alternate is the net addition to or deduction from the Contract Sum to incorporate the Alternate into the Work. No other adjustments are made to the Contract Sum.

1.4 PROCEDURES

- A. Coordination: Modify or adjust affected adjacent Work as necessary to completely and fully integrate that Work into the Project.
 - 1. Include as part of each alternate, miscellaneous devices, accessory objects, and similar items incidental to or required for a complete installation whether or not mentioned as part of the Alternate.
- A. Notification: Immediately following the award of the Contract, notify each party involved, in writing, of the status of each alternate. Indicate whether alternates have been accepted, rejected, or deferred for later consideration. Include a complete description of negotiated modifications to alternates.
- A. Execute accepted alternates under the same conditions as other Work of this Contract.
- A. Schedule: A "Schedule of Alternates" is included at the end of this Section. Specification Sections referenced in the Schedule contain requirements for materials necessary to achieve the Work described under each alternate.

1PART - PRODUCTS (Not Applicable)

ALTERNATES

01030/1 of 2

MISCELLANEOUS IMPROVEMENTS

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3PART - EXECUTION

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3.1 SCHEDULE OF ALTERNATES

- A. Alternate No. 2A: Add all work as required to complete the work in **Base Bid No.2 - Loop Roadway Paving & New Extension** - Service Drive from Security Building to Forum Wing.
- A. Alternate No. 2B: Add all work as required to complete the work in **Base Bid No.2 - Loop Roadway Paving & New Extension** - Walkway from Physical Plant to Security Building.
- A. Alternate No. 2C: Add all work as required to complete the work in **Base Bid No.2 - Loop Roadway Paving & New Extension** - Access Drive through Parking Lot "G"
- A. Alternate No. 2D: Add all work as required to complete the work in **Base Bid No.2 - Loop Roadway Paving & New Extension** - Curb Enhancements along Bent Twig Lane
- A. Alternate No. 3A: Add all work as required to lower the lake elevation for the performance of work associated with **Base Bid No. 3 - Lake Enhancements** in the event **Base Bid No. 2 - Loop Roadway Paving & New Extension** is not awarded.
- A. Alternate No. 4A: Add all work as required to complete the work in **Base Bid No. 4 - Campus Infrastructure Improvements** - Heating Hot Water Pump Replacement.
- A. Alternate No. 4B: Add all work as required to complete the work in **Base Bid No. 4 - Campus Infrastructure Improvements**. In lieu of the Carrier Chiller specified, provide a Trane Centrifugal Chiller that meets or exceeds the specified performance criteria. Attach to this proposal a list of any variances from the specifications. In addition, list options or features which are included or which exceed the specified requirements.
- A. Alternate No. 4C: Add all work as required to complete the work in **Base Bid No. 4 - Campus Infrastructure Improvements**. In lieu of the Carrier Chiller specified, provide a York Centrifugal Chiller that meets or exceeds the specified performance criteria. Attach to this proposal a list of any variances from the specifications. In addition, list options or features which are included or which exceed the specified requirements.

END OF SECTION 01030



Miscellaneous Improvements
University of Southern Indiana

		B I D D E R S													
	ARC Construction	ARC Mechanical	Blankenberger	Deig Brothers	Empire	Farrest Bay	Goedde	Industrial	Key	Lichtenberger	MRP	PPMI	Peyronnin	JE Shekell	
Bid Package No. 1	\$ 214,415.00	\$ -	\$ -	\$ 196,000.00	\$ 245,375.00	\$ 174,450.00	\$ -	\$ 264,755.00	\$ 242,000.00	\$ 258,032.00	\$ -	\$ -	\$ 190,800.00	\$ -	
Bid Package No. 2	\$ 376,650.00	\$ -	\$ -	\$ 333,220.00	\$ 498,000.00	\$ -	\$ -	\$ 375,000.00	\$ 373,500.00	\$ 367,210.00	\$ -	\$ -	\$ 410,000.00	\$ -	
Alternate 2A	\$ 162,500.00	\$ -	\$ -	\$ 143,820.00	\$ 175,792.00	\$ -	\$ -	\$ 146,694.00	\$ 142,800.00	\$ 83,419.00	\$ -	\$ -	\$ 171,200.00	\$ -	
Alternate 2B	\$ 37,560.00	\$ -	\$ -	\$ 66,230.00	\$ 60,705.00	\$ -	\$ -	\$ 43,904.00	\$ 46,370.00	\$ 43,047.00	\$ -	\$ -	\$ 46,500.00	\$ -	
Alternate 2C	\$ 37,100.00	\$ -	\$ -	\$ 38,100.00	\$ 34,700.00	\$ -	\$ -	\$ 29,750.00	\$ 32,200.00	\$ 23,432.00	\$ -	\$ -	\$ 44,200.00	\$ -	
Alternate 2D	\$ 73,410.00	\$ -	\$ -	\$ 53,550.00	\$ 95,650.00	\$ -	\$ -	\$ 49,626.00	\$ 78,100.00	\$ 65,897.00	\$ -	\$ -	\$ 88,000.00	\$ -	
Sub Total	\$ 310,570.00	\$ -	\$ -	\$ 301,700.00	\$ 366,847.00	\$ -	\$ -	\$ 269,974.00	\$ 299,470.00	\$ 215,795.00	\$ -	\$ -	\$ 349,900.00	\$ -	
Total - Package No. 2	\$ 687,220.00	\$ -	\$ -	\$ 634,920.00	\$ 864,847.00	\$ -	\$ -	\$ 644,974.00	\$ 672,970.00	\$ 583,005.00	\$ -	\$ -	\$ 759,900.00	\$ -	
Bid Package No. 3	\$ 89,160.00	\$ -	\$ 68,530.00	\$ -	\$ -	\$ 70,000.00	\$ -	\$ 82,000.00	\$ 60,100.00	\$ -	\$ -	\$ -	\$ 67,000.00	\$ -	
Alternate 3A	\$ 3,500.00	\$ -	No Change	\$ -	\$ -	\$ 5,000.00	\$ -	\$ 3,000.00	\$ 2,750.00	\$ -	\$ -	\$ -	\$ 2,800.00	\$ -	
Bid Package No. 4	\$ -	\$ 516,400.00	\$ -	\$ 497,522.00	\$ -	\$ -	\$ 499,000.00	\$ 614,383.00	\$ -	\$ -	\$ -	\$ 521,108.00	\$ 561,900.00	\$ 555,375.00	
Alternate 4A	\$ -	\$ 68,400.00	\$ -	\$ 68,119.00	\$ -	\$ -	\$ 65,500.00	\$ 90,974.00	\$ -	\$ -	\$ -	\$ 79,282.00	\$ 82,300.00	\$ 70,600.00	
Alternate 4B	\$ -	\$ (22,900.00)	\$ -	\$ (21,405.00)	\$ -	\$ -	\$ (15,600.00)	\$ 5,000.00	\$ -	\$ -	\$ -	\$ (17,542.00)	\$ (27,000.00)	\$ (24,000.00)	
Alternate 4C	\$ -	\$ 24,700.00	\$ -	\$ 23,100.00	\$ -	\$ -	\$ 20,400.00	\$ 4,303.00	\$ -	\$ -	\$ -	\$ 7,252.00	\$ 15,000.00	\$ 16,665.00	
Bid Package No. 5	\$ -	\$ 123,700.00	\$ -	\$ 127,417.00	\$ -	\$ -	\$ 150,300.00	\$ 233,570.00	\$ -	\$ -	\$ -	\$ 190,000.00	\$ 158,400.00	\$ 171,808.00	
Total - Bids Submitted	\$ 990,795.00	\$ 708,500.00	\$ 68,530.00	\$ 1,523,978.00	\$ 1,110,222.00	\$ 244,450.00	\$ 714,800.00	\$ 1,930,656.00	\$ 975,070.00	\$ 841,037.00	\$ 190,000.00	\$ 767,288.00	\$ 1,820,300.00	\$ 797,783.00	
Voluntary Combination Bid	\$ -	\$ 630,000.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,291,000.00	\$ -	

- Notes:
1. Total - Bids Submitted excludes Alternates 3A, 4B and 4C. Alternate 3A will not be necessary with the acceptance of Bid Package No. 2. Alternates 4B and 4C have not been determined at this time.
 2. Peyronnin also included a combination bid for Bid Packages No. 4 & 5 of \$715,000, however, this still exceeds the low