

CONTRACT DOCUMENTS AND SPECIFICATIONS

FOR THE

INDIANA DEPARTMENT OF NATURAL RESOURCES

HARDY LAKE DAM GATE REPAIR
PROJECT NO. 300DM-72012-06

REBID MARCH 2023

PREPARED BY



COMMONWEALTH™
ENGINEERS, INC.

A wealth of resources to master a common goal.

PROJECT # D19104

SET NO. _____

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A wealth of resources to master a common goal.



APPROVED BY:

DALE A. GICK, P.E.
INDIANA P.E. NO. PE10100195

DATE: 11-04-2022

CERTIFIED BY:

DUSTIN D. JENNINGS, P.E.
Indiana P.E. No. 11700430

DATE: 11-04-2022

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PART A
PRE-BID DOCUMENTATION



STATE OF INDIANA

ERIC J. HOLCOMB, Governor

DEPARTMENT OF ADMINISTRATION
Public Works Division
402 West Washington Street, Room W462
Indiana Government Center – South
Indianapolis, Indiana 46204-2746
PHONE: (317) 232-3001

NOTICE TO BIDDERS

BY STATE OF INDIANA DEPARTMENT OF ADMINISTRATION, PUBLIC WORKS DIVISION FOR A PUBLIC WORKS CONSTRUCTION PROJECT ESTIMATED AT ONE HUNDRED FIFTY THOUSAND DOLLARS OR ABOVE

SECURED ELECTRONIC BIDS FOR:

**Public Works Project No. 300DM-72012-06 (Rebid)
DAM Gate Valves Replacement
Hardy Lake**

will be received from Contractors, holding a current Certificate of Qualification, at Department of Administration, Public Works Division Email Bid Box-publicworksbids@idoa.in.gov
(note, do not cc: any other party)

Subject line MUST contain “Bid- 300DM-72012-06; Dam Gate Valve Replacement at Hardy Lake - (Your firm)”

Bid File (PDF) MUST be named-“(Bidding Firm name) Bid-300DM-72012-06; Dam Gate Valves Replacement Hardy Lake” and not exceed 9Mb

Until 1:31 P.M (Indianapolis Time), Thursday, March 30, 2023, after which all bids will be publicly opened and read online in a Microsoft Teams Live Event-2:00 pm <https://on.in.gov/1ixhy>

Live event for 30 mins following Bid due to allow time to verify certifications and permit electronic bids to clear IOT/State Virus Detection software)

Minority Contractors are encouraged to submit bids on this project as a prime contractor or through a prime contractor.

2Copies of the detailed Instructions to Bidders and Drawings and/or Specifications dated December, 2022 may be obtained from: the office of: <https://www.in.gov/dnr/engineering/bidding/>

Bids shall be taken from Prime Contractors pre-qualified by the Public Works Certification Board in the following classification(s): 1629.03 – Dam and Dike Construction

The Specified construction period is 365 calendar days. The State of Indiana reserves the right to reject any and all bids.

Project Goal of 7% MBE, 5% WBE and 3% IVOSB. Link: <https://www.in.gov/idoa/mwbe/2494.htm>

Project Manager: Michael J. Mathias
Michael J. Mathias, P.E. Civil Engineer DAPW (317) 234-8968 mmathias1@idoa.in.gov

Director of Public Works:
Bob Grossman, Director

Pre-Bid: None

INSTRUCTIONS TO BIDDERS

PROJECT ESTIMATED BY DEPARTMENT OF ADMINISTRATION, PUBLIC WORKS DIVISION
TO BE BID AT ONE HUNDRED FIFTY THOUSAND DOLLARS (\$150,000) AND ABOVE

01 GENERAL

- A. This project is estimated by the Public Works Division, Indiana Department of Administration (the Owner), as stated in the Notice to Bidders, at One Hundred Fifty Thousand Dollars (\$150,000) and above.
- B. QUALIFICATION BY THE CERTIFICATION BOARD IS REQUIRED FOR THIS PROJECT PRIOR TO BID OPENING DATE. For information and procedure contact Executive Secretary, Certification Board, Indiana Department of Administration, 402 W. Washington St., Room W462, Indianapolis, Indiana 46204, E-mail: _____ or phone (317) 232-3005.

02 PROJECT NUMBER, DESCRIPTION AND LOCATION is as stated in the Notice to Bidders.

03 TITLE AND DEFINITIONS

Said building and/or land upon which it stands is the property of the State of Indiana. All references to the title owner of said property hereinafter will be by the term "State" and all references to the person, firm, or corporation awarded the contract for the project will be by the term "Contractor". All references to Designer shall refer to the consulting person or firm employed to contract with the Public Works Division, Indiana Department of Administration to provide architectural, engineering or other consulting services for the project, or to the Public Works Division. The preparation and issuance of contracts for this project are the responsibility of the Commissioner of the Indiana Department of Administration acting with approval of the Governor.

Contract: A written agreement between two or more parties enforceable by law.

Contractor: A person who has entered into or seeks to enter into a contract with Public Works Division.

Prime Contractor: A person or business which is primarily responsible for providing goods and service or performing a specific service, etc. under contract. A prime contractor can also be a Minority Business Enterprise, a Women's Business Enterprise or an Indiana Veteran Owned Small Business Enterprise.

Subcontractor: A person or a business who has a direct contract with a prime contractor who is under contract to provide goods and services or perform a specific service.

Joint Venture: An association of two or more businesses to carry out a single business enterprise for profit for which purpose they combine their property, capital, efforts, skills and knowledge.

Manufacturer: A supplier that produces goods from raw materials or substantially alters them before resale.

Minority Business Enterprise (MBE) and Women's Business Enterprise (WBE): A business concern which is certified as at least fifty-one percent (51%) owned and controlled by one or more of the individuals classified as a minority group which includes: African Americans, Hispanic Americans, Native Americans, Hispanic Americans, Asian Americans, and other racial minority groups as defined by 13 CFR 124.103, or at least fifty-one percent (51%) owned and controlled by a woman or women.

Supplier: Any person or entity engaged to furnish goods, materials and/or equipment, but no on-site labor, is capable of furnishing such goods, materials and/or equipment either directly from its own stock or by ordering materials and/or equipment directly from a manufacturer, and is engaged to furnish such goods, materials and/or equipment directly to a prime contractor or one of its subcontractors.

Indiana Veteran Owned Small Business Enterprise (IVOSB): means an Indiana small business enterprise which is certified as at least fifty-one percent (51%) owned and controlled by a veteran.

04 PRE-BIDDING, BIDDING AND POST BIDDING REQUIREMENTS

- A. The Director, Public Works Division, will authorize the Designer to issue bidding documents, construction documents and addenda to bidders.
- B. It is recommended that all Bidders visit the site prior to submitting bid and become thoroughly familiar with the existing site conditions and work to be performed, as indicated in the bidding documents, construction documents and addenda. Extra compensation or extension of time will not be allowed for failure to examine the site prior to bidding.
- C. During the bidding period, should questions arise as to the meaning of any part of the bidding documents, construction documents or addenda that may affect the Bidder, the Bidder shall contact the Designer and/or Public Works Division and

submit a written request for clarification. The Designer and/or Public Works Division will make such clarification only by written Addendum that will be emailed to each document holder or may be obtained at the office of the Designer and/or Public Works Division. By submitting a bid, the Bidder acknowledges procurement of all Addenda. No written request for clarification will be accepted by the Designer and/or Public Works Division later than fourteen (14) calendar days prior to the scheduled bid date.

- D. Bid as described in Contractor's Bid (DAPW 13) shall include Base Bid (in figures and in words) and Alternates as specified in Section entitled Alternates. In verifying bids, word amounts shall have precedence over figure amounts.
 - E. Alternate amount(s) shall be listed where indicated. Add Alternates are not to be included in the Base Bid Scope of Work. Deduct Alternates are to be included in the Base Bid Scope of Work. The bid form must be signed. Note that by signing the bid document, the Bidder is acknowledging the procurement of all addenda and is certifying that the bid recognizes all items in all addenda.
 - F. A bid by a corporation shall be in the legal name of the corporation followed by the word "by" and the signature of the president. The secretary of the corporation shall sign indicating his/her authority to sign. A Certificate of Corporate Resolution (DAPW 41) is required with and as a part of the bid if anyone other than the president of the corporation is signing bid documents.
 - G. *The Form 96A-Questionnaire and Financial Statement is no longer required to be submitted.* The Director, Public Works Division reserves the right to request additional financial information or contractor experience as a basis for rejection of bid or award of contract.
 - H. Each Bidder must file with his bid a Non-Collusion Statement (DAPW-121) signed by the same authorized person(s) who signed the bid.
 - I. Each Bidder must file with his bid a completely filled in and executed Bid Bond (DAPW 15A) in accordance with IC 4-13.6-7-5. The bid bond penal sum shall be the minimum amount of five percent (5%) of the bid including all additive alternates.
 - J. Each Bidder must file with his bid a completed MBE/WBE/IVOSB Participation Plan (DAPW 26) and Good Faith Effort Work Sheet (DAPW 26 SUP2). Refer to the Supplement to the General Conditions for MBE/WBE/IVOSB Participation Policy (DAPW 26 SUP1) for specific requirements.
 - K. Each Bidder must file with his bid, the completed Contractor's Affidavit of Subcontractors Employed (DAPW 12) only if he proposes to perform any work with a subcontract amount of \$150,000.00 or more.
 - L. Each bidder must file with his bid an Employee Drug Testing Plan (DAPW 150A) in accordance with IC 4-13-18 or evidence that the contractor is subject to a collective bargaining agreement containing drug testing requirements that comply with IC 4-13-18.
 - M. Each Bidder must include his Federal ID number or Social Security number on page 1 of 3 of the Bid Form (DAPW 13). All required bid documents must contain original handwritten signatures.
 - N. All documents required by statute, rule or these instructions to be included in the bid must be submitted together in a single email file, plainly marked on the subject line and in the email file with the Name of Bidder, Project Identification, Project Number, Bid Time and Bid Date. Bids shall be rejected if all required documents are not in the single email file.
 - O. A Bidder with proper identification may withdraw his bid at any time prior to the scheduled time for receipt of the bids; however, no bid may be withdrawn without written consent of the Director, Public Works Division for a *period of sixty (60) days after the date of the bid opening*, or unless extended in accordance with IC 4-13.6-6-4. Bids received after the designated due time for any reason, shall be rejected and returned unopened to the Bidder. The Director, Public Works Division, reserves the right to reject any or all bids.
 - P. Subcontractors whose work will equal or exceed One Hundred Fifty Thousand Dollars (\$150,000.00) must attain a Certificate of Qualification by the Certification Board before commencing any work on this project. Note paragraph 01. (B) above.
 - Q. All Bidders (corporations or other business entities) must be in good standing with the Indiana Secretary of State.
- 05 SIGNATURE AFFIDAVIT
- A. A Signature Affidavit (DAPW 14) containing the Bidder's authorized signature(s), properly notarized, may be submitted as a signature supplement to all other bid documents, except the bid bond, including:

- 1. Contractor's Bid (DAPW 13)
- 2. Non-Collusion Statement (DAPW121)
- 3. Contractor's Affidavit of Subs Employed (DAPW 12)
- 4. MBE/WBE/IVOSB Participation Plan and Good Faith Effort Worksheet (DAPW 26 SUP 2)

- B. All documents herein before required with the bid may be unsigned if the signature affidavit is submitted, except for the BID BOND. BIDDER MUST SIGN THE BID BOND.

NOTE: SIGNING THE SIGNATURE AFFIDAVIT OR BID FORM IS ACKNOWLEDGMENT OF PROCUREMENT OF ALL ADDENDA AND CERTIFICATION BY BIDDER THAT THE BID RECOGNIZES ALL ITEMS IN ALL ADDENDA.

06 WORK BY CONTRACTOR

The Contractor shall perform a minimum of 15% of the value of work (measured in dollars of the total contract price) with his own forces, and not more than 85% of the value of work is to be subcontracted.

07 SUBSTITUTIONS

The materials, products, systems and equipment described in the bidding documents, construction documents and addenda establish a standard or required function, dimension, appearance and quality that shall also be met by any proposed substitution. No substitution by manufacturer, or trade name of product named, or of a quality specified will be considered unless written request for approval has been submitted by the Bidder and has been received by the Designer and/or Public Works Division at least fourteen (14) calendar days prior to the date for receipt of bids. Each such request shall include the name of the material or equipment for which it is to be substituted and a complete description of the proposed substitute including drawings, cuts, performance and test data and any other information necessary for an evaluation. A statement setting forth any changes in other materials, equipment or work that incorporation of the substitute would require shall be included. The burden of proof of the merit of the proposed substitute is upon the proposer. The Designer and/or Public Works Division decision of approval or disapproval of the proposed substitution shall be final. Products, materials or systems not specified or approved prior to bidding, shall not be accepted for use in this project. All such substitutions accepted shall be acknowledged by addendum. See paragraph. 04 (C).

08 NONDISCRIMINATION

Pursuant to IC 22-9-1-10, the Contractor and subcontractors, if any, shall not discriminate against any employee or applicant for employment, to be employed in the performance of this contract, with respect to his hire, tenure, terms, conditions or privileges of employment, or any matter directly or indirectly related to employment, because of his race, religion, color, sex, disability, national origin, or ancestry. Breach of this covenant may be regarded as a material breach of the contract. Pursuant to IC 5-16-6-1, the contractor agrees:

- A. that in the hiring of employees for the performance of work under this contract or any subcontract hereunder, no contractor, or subcontractor, nor any person acting on behalf of such contractor or subcontractor shall, by reason of race, religion, color, sex, disability, national origin or ancestry, discriminate against any citizen of the State of Indiana who is qualified and available to perform the work to which the employment relates; and
- B. that no contractor, subcontractor, nor any person on his behalf shall, in any manner, discriminate against or intimidate any employee hired for the performance of work under this contract on account of race, religion, color, sex, national origin or ancestry; and
- C. that there may be deducted from the amount payable to the contractor by the State of Indiana or by any municipal corporation thereof, under this contract, a penalty of five dollars (\$5.00) for each person for each calendar day during which such person was discriminated against or intimidated in violation of the provisions of the contract; and
- D. that this contract may be canceled or terminated by the State of Indiana or by any municipal corporation thereof, and all money due or to become due hereunder may be forfeited, for a second or any subsequent violation of the terms or conditions of this section of the contract.

09 EMPLOYMENT ELIGIBILITY VERIFICATION

The Contractor affirms under the penalties of perjury that he/she/it does not knowingly employ an unauthorized alien.

The Contractor shall enroll in and verify the work eligibility status of all his/her/its newly hired employees through the E-Verify program as defined in IC 22-5-1.7-3. The Contractor is not required to participate should the E-Verify program cease to exist. Additionally, the Contractor is not required to participate if the Contractor is self-employed and does not employ any employees.

The Contractor shall not knowingly employ or contract with an unauthorized alien. The Contractor shall not retain an employee or contract with a person that the Contractor subsequently learns is an unauthorized alien.

The Contractor shall require his/her/its subcontractors, who perform work under this contract, to certify to the Contractor that the subcontractor does not knowingly employ or contract with an unauthorized alien and that the subcontractor has enrolled and is participating in the E-Verify program. The Contractor agrees to maintain this certification throughout the duration of the term of a contract with a subcontractor.

The State may terminate for default if the Contractor fails to cure a breach of this provision no later than thirty (30) days after being notified by the State.

The contractor shall submit, before work begins the E-Verify case verification number for each individual who is required to be verified under IC 22-5-1.7. An individual who is required to be verified under IC 22-5-1.7 whose final case result is final non-confirmation may not be employed on the public works project.

A contractor may not pay cash to any individual employed by the contractor for work done by the individual on the public works project.

A contractor must follow the federal Fair Labor Standards Act of 1938, as amended (29 U.S.C. 201-209) and IC 22-2-2. A contractor must be in compliance with IC 22-3-5-1 and IC 22-3-7-34. A contractor must be in compliance with IC 22-4-1 through IC 22-4-39.5. A contractor must be in compliance with IC 4-13-18.

10 NOTICE OF AWARD

- A. Prior to execution of the Contract, in accordance with IC 4-13.6-5-2, the Director of Public Works may require additional submittals from Bidder/s to clarify contractor's experience and plans for performing the proposed work. Submittals which may be required include a critical path construction schedule which coordinates all significant tasks sequences and durations; schedule of values, and documentation of efforts to include minority, woman, and veteran owned businesses in the proposed work. The Director may require Bidder/s to provide a comprehensive list of subcontractors and suppliers within 24 hours of receipt of bids.
- B. Prior to execution of the Contract, the successful Bidder shall furnish a completed Domestic Steel Affidavit (DAPW 11) to Public Works Division, Indiana Department of Administration as part of the contract. The Domestic Steel Affidavit is included for Bidder's review but need not be submitted at the time of the bid opening. Definition of Steel Products:
- "Steel products" means products rolled, formed, shaped, drawn, extruded, forged, cast, fabricated, or otherwise similarly processed, or processed by a combination of two (2) or more of such operations, from steel made in the United States by the open hearth, basic oxygen, electric furnace, Bessemer or other steel making process.
- C. Prior to execution of the Contract, the successful Bidder shall furnish a completed Contractor's Bond for Construction (DAPW 15) (combined performance and payment bond) to Public Works Division, Department of Administration as part of the contract. The Bond form is included for Bidder's review but need not be submitted at the time of the bid opening.
- D. Prior to execution of the Contract, the successful Bidder shall furnish a completed Contractor's Certificate of Insurance (DAPW 16) to Public Works Division, Department of Administration as part of the contract. The Insurance form is included for Bidder's review but need not be submitted at the time of the bid opening.
- E. Prior to execution of the Contract, the State of Indiana will issue to the successful Bidder an email letter stating that its bid was the lowest responsible and responsive bid and that the attached electronic format contract document is submitted to Contractor for its consideration. If Contractor finds it in accordance with the bid documents, Contractor will electronically sign the contract within ten (10) calendar days after receipt. Further state agency approvals are required, and Contractor is cautioned that a contract is not binding on the State until it is approved by all signatories required. Failure to execute the proper contract and furnish the ancillary documents shall constitute reason to surrender the bid bond.
- F. Concurrent with execution of the Contract, the successful Bidder may be required to furnish executed copies of Contractor-Subcontractor agreements as required in Article 5 of the General Conditions.

11 SUMMARY

All required bid documents must contain original handwritten signatures. Complete documents to be submitted with this bid:

- A. The Bid Bond (DAPW 15A) must be signed by both the Bidder and Bonding Company. The Bonding Company must also attach a Power of Attorney. Bid bond information, may be on the Bonding Company's standard form.
- B. The Contractor's Bid (DAPW 13)
 - Page 1: State the amount of the bid in figures and words.
 - Page 2: State the amount of the alternate(s), indicate add, deduct or no change (READ CAREFULLY).
 - Page 3: Authorized signature of the Company. If the signature affidavit is completed and submitted with the bid, this page must be submitted but need not be signed or notarized.
- C. The Signature Affidavit (DAPW 14) must contain the completed authorized signatures properly notarized and submitted with the bid as a supplement.

This Signature Affidavit shall fulfill all of the signature requirements. NOTE: The Signature Affidavit does not apply to the Bid Bond (DAPW 15A). The Bid Bond document must be fully completed with all required signatures and submitted with the bid.
- D. The Non-Collusion Statement (DAPW 121) must be signed by the same authorized person(s) who signed the bid documents. If the signature affidavit is completed and submitted with bid, this form shall be submitted, but need not be signed.
- E. For corporations, if anyone other than the president of the corporation signs, a Certificate of Corporate Resolution (DAPW 41) giving signature authority for the signer must be included.
- F. MBE/WBE/IVOSB Participation Plan and MBE/WBE/IVOSB Good Faith Effort Worksheet (DAPW 26 SUP2) must be completed and signed by the same authorized person who signed the bid documents.
- G. The completed Contractor's Affidavit of Subcontractors Employed (DAPW 12) whose subcontract amount will be \$150,000.00 or more.
- H. The completed plan for Contractor's Employee Drug Testing Plan (or statement of collective bargaining agreement).
- I. One copy only of the Bid Documents is required. Bidders may remove and use the Documents included in the project specifications or use reproductions of the Documents.

12 INDIVIDUAL BIDS SHALL BE REJECTED BY THE DIRECTOR, PUBLIC WORKS DIVISION, FOR THE FOLLOWING REASONS (IC 4-13.6-5-2; IC 4-13.6-6-1; 25 IAC 2-6-5)

- A. If the bid email subject line and bid form heading does not clearly identify the project number and description; if the name of the Bidder is not clearly indicated in the email and/or if the email is not received and date stamped within the Public Works Division electronic bid receipt mailbox prior to the stated time for receipt of bids.
- B. If the estimated base bid cost exceeds \$150,000.00 and the bidding contractor is not certified by Public Works Certification Board to offer bids in one of the specified categories.
- C. If the bidding contractor is under suspension by the Director of Public Works or by the Public Works Certification Board.
- D. If the bidding contractor is a trust and does not identify all beneficiaries and empowered settlors of the trust.
- E. If the contractor's drug plan is not included in the bid documents pursuant to and complies with IC 4-13-18.

13 INDIVIDUAL BIDS MAY BE REJECTED BY THE DIRECTOR, PUBLIC WORKS DIVISION, FOR THE FOLLOWING REASONS (25 IAC 2-6-5)

- A. If the Contractor's Bid (DAPW 13), Non-Collusion Statement (DAPW 121), and/or Bid Bond (DAPW 15A) are not signed and notarized as required by these instructions, or the Signature Affidavit (DAPW 14) and the Bid Bond (DAPW 15A) are not signed and notarized as allowed as an alternative.
- B. If all required bid or alternate(s) amounts, or unit prices are not submitted with the bid when specifically called for by the specifications issued for the project.

- C. When the Bidder adds any provision reserving the right to accept or reject the award, or if the Bidder adds conditions or alternates to his bid not requested (voluntary alternates), or if there are unauthorized additions or irregularities of any kind which tend to make the proposal incomplete, indefinite or ambiguous as to its meaning or amount.
- D. When no bids received are under or within funds that can be appropriated, or within the Designer's estimate or when situations develop which make it impossible or not practical to proceed with the proposed work.
- E. If, subsequent to the opening of the bids, facts exist which would disqualify the Bidder, or that such Bidder is not deemed by the Director, Public Works Division, to be responsive or responsible.
- F. If an out-of-state contractor is not registered with the Indiana Secretary of State or if any bidding contractor is not in good standing with the Secretary of State.

PART A
BID DOCUMENTATION

CONTRACTOR'S AFFIDAVIT OF SUBS EMPLOYED

Public Works Project Number: _____ Date: _____

Project Description: _____

Prime Contractor: _____

Form Submitted for Bid: _____ Contract: _____ or Payment No.: _____

The following companies are subcontractors on this project for the amount indicated:

Subcontractor Name	Subcontract For	Subcontract Amount	Revised Amount	DAPW Certified Y/N	MBE WBE	On Site Y/N

_____ being duly sworn upon oath, deposes and says that he is _____ of the firm of _____ and is familiar with the affidavit herewith and that these entries are complete and true.

STATE OF _____ }
 COUNTY OF _____ } SS:

_____ personally appeared before me, a Notary Public, in and for said County and State, this ___ day of _____, 20___, after being duly sworn upon his oath, says that the facts alleged in the foregoing affidavit are true.

 NOTARY PUBLIC - SIGNATURE

My Commission Expires: _____

 NOTARY PUBLIC PRINTED NAME

(SEAL)

GENERAL BID FOR PUBLIC WORKS

CONTRACTOR'S BID

For _____
(Insert class of work)

Project Number _____

Project Description (Title) _____

Date _____

To: Department of Administration, Public Works Division
Room W467
402 West Washington Street
Indianapolis, Indiana 46204

Pursuant to notices given, the undersigned proposes to furnish and install work
in accordance with the construction documents prepared by:

(Designer Name, Address, Telephone)

for the sum of _____
(State amount in words)

_____ \$ _____
(State amount in figures)

If required add attachment for all unit prices called for in the Specifications.

_____ Federal I.D. Number or Social Security Number

Contractor's Email address _____
(Contract and Purchase Order will be sent to email address provided)

Bidder ID Number _____

(If you do not have an Indiana Department of Administration Bidder ID Number, please obtain one online at:
<http://www.in.gov/idoa/2464.htm>)

ALTERNATE BIDS

Add Alternates Are Not to be included as part of the Base Bid Scope of Work.

Deduct Alternates are items of work that Are to be included in the Base Bid Scope of Work, and deducted from the project as described herein.

The work shall be as described in Section, ALTERNATES.

Bidder shall provide a response to each alternate specified. Response must indicate the amount to be ADDED to the base bid, DEDUCTED from the base bid, or that there is NO CHANGE.

Failure to respond to all alternates may cause the bid to be rejected.

BIDDER SHALL CHECK APPLICABLE BOX for each listed alternate.

Alternate No. ___ ADD ___ DEDUCT ___ NO CHANGE ___ AMOUNT \$ _____

Alternate No. ___ ADD ___ DEDUCT ___ NO CHANGE ___ AMOUNT \$ _____

Alternate No. ___ ADD ___ DEDUCT ___ NO CHANGE ___ AMOUNT \$ _____

Alternate No. ___ ADD ___ DEDUCT ___ NO CHANGE ___ AMOUNT \$ _____

Alternate No. ___ ADD ___ DEDUCT ___ NO CHANGE ___ AMOUNT \$ _____

Alternate No. ___ ADD ___ DEDUCT ___ NO CHANGE ___ AMOUNT \$ _____

Ethics Compliance. The Contractor and its agents shall abide by all ethical requirements that apply to persons who have a business relationship with the State, as set forth in Indiana Code § 4-2-6 et seq., the regulations promulgated there under, and Executive Order 04-08, dated April 27, 2004. If the Contractor is not familiar with these ethical requirements, the Contractor should refer any questions to the Indiana State Ethics Commission, or visit the Indiana State Ethics Commission website at <<<<http://www.in.gov/ethics/>>>>. If the Contractor or its agents violate any applicable ethical standards, the State may, in its sole discretion, terminate this contract immediately upon notice to the Contractor. In addition, the Contractor may be subject to penalties under Indiana Code § 4-2-6-12.

Pursuant to IC 22-9-1-10, the Contractor and subcontractors, if any, shall not discriminate against any employee or applicant for employment, to be employed in the performance of this contract, with respect to his hire, tenure, terms, conditions or privileges of employment, or any matter directly or indirectly related to employment, because of his race, religion, color, sex, disability, national origin, or ancestry. Breach of this covenant may be regarded as a material breach of the contract.

IN TESTIMONY WHEREOF, the Bidder (a sole proprietor) has hereunto set his hand
this ___ day of _____, 20__.

Proprietorship (Company Name)

(INDIVIDUAL)

Bidder (Owner)

IN TESTIMONY WHEREOF, the Bidder (a partnership) has hereunto set their hands
this ___ day of _____, 20__.

Company Name

Partner

Partner

IN TESTIMONY WHEREOF, the Bidder (a corporation) has caused this proposal to be signed by its
President or other authorized signatory and Secretary this _____ day of _____, 20__.

Corporation Name

By President or Other Authorized Signatory

Secretary

If the bid is signed by other than the President, a Corporation Resolution designating other authorized signatory shall be submitted with this bid unless already on file with the Certification Board of the Public Works Division.

BY SIGNING THIS BID THE BIDDER ACKNOWLEDGES PROCUREMENT OF ALL ADDENDA AND
CERTIFIES THAT THIS BID RECOGNIZES ALL ITEMS IN ALL ADDENDA.

Hardy Lake
Dam Gate Repairs

SUPPLEMENTAL UNIT PRICE

The contractor agrees to accept the following unit prices to adjust the amount of the contract, if actual site conditions or later changes in the design require additional work. These unit prices shall be submitted with the lump sum bid.

1. MOBILIZATION AND DEMOBILIZATION FOR BYPASS PUMPING

\$ _____ / LS

2. ALL MATERIALS TO PUMP 1500 GPM DURING NORMAL WORK HOURS

\$ _____ / HOUR

3. ALL MATERIALS TO PUMP 1500 GPM AFTER NORMAL WORK HOURS AND WEEKENDS

\$ _____ / HOUR

Name of bidder: _____

Date: _____

SIGNATURE AFFIDAVIT

PROJECT NO: _____

STATE OF }
 }
COUNTY OF } SS:
 }

Before me, the undersigned notary public, appeared _____ and being duly
(name of bidder)

sworn, on his oath says that he/she is _____
(president, general partner, owner)

of _____, bidder on Project No. _____, and
(name of company)

Affirmed that:

- 1. This bid is submitted in good faith in the amount stated herein, and will be fulfilled according to the Contract Documents (contract, general and supplemental conditions, technical specification, drawings and addenda thereto), if this bid is accepted; and
- 2. The statements are true contained in the Non-Collusion Statement, and as applicable, the Contractor's Affidavit of Subs Employed and the MBE, WBE and IVOSB Participation Plan and Good Faith Efforts Worksheet.

By: _____
(Signature)

(Printed name)

(Printed or typed name of company)

(must be signed by principal of organization)

STATE OF }
 }
COUNTY OF } SS:
 }

_____ personally appeared before me, a Notary Public, in and for said County and State, this _____ day of _____, 20____, after being duly sworn upon his oath, says that the facts alleged in the foregoing affidavit are true.

My Commission Expires:

NOTARY PUBLIC – SIGNATURE

NOTARY PUBLIC PRINTED NAME

(SEAL)

BID BOND

KNOW ALL MEN BY THESE PRESENTS, that we _____
(Contractor's Name and Address)

as Principal, hereinafter called the Principal, and the _____
(Bonding Company Name)

a corporation duly organized under the laws of the State of _____
as Surety, hereinafter called the Surety, are held and firmly bound unto Public Works Division/Department of
Administration, State of Indiana, as Obligee, hereinafter called the Obligee,

in the sum of **TEN THOUSAND Dollars (\$10,000.00)**
for the payment of which sum well and truly to be made, the said Principal and the said Surety, bind ourselves, our
heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, the Principal has submitted a bid for: (insert State Project Number, Description and Location)

Project No. _____

Project Description: _____

Project Location: _____

NOW THEREFORE, if the Obligee shall accept the bid of the Principal and the Principal shall enter into a contract
with the Obligee in accordance with the terms of such bid, and give such bond or bonds as may be specified in the
bidding or contract documents with good and sufficient surety for the faithful performance of such contract and for
the prompt payment of labor and material furnished in the prosecution thereof, or in the event of the failure of the
Principal to enter such contract and give such bond or bonds, if the Principal shall pay to the Obligee the difference
not to exceed the penalty hereof between the amount specified in said bid and such larger amount for which the
Obligee may in good faith contract with another party to perform the work covered by said bid, then this obligation
shall be null and void, otherwise to remain in full force and effect.

Signed and sealed this _____ day of _____, 20____.

(Witness)

(Principal)

By: _____
(Title)

(Surety)

Witness)

(Attorney-in-fact)

I. MINORITY, WOMEN'S AND INDIANA VETERAN OWNED BUSINESS ENTERPRISES PARTICIPATION PLAN

When a Respondent submits a Minority, Women's and Indiana Veteran Owned Business Enterprises Participation Plan in accordance with IC 4-13-16.5, 25 IAC 5 and 25 IAC 9, (the "Plan"), Respondent will be held to those commitments. The Plan must show that there are, participating in the proposed contract, Minority Business Enterprises (MBE), Women's Business Enterprises (WBE), and Indiana Veteran Owned Small Business Enterprises (IVOSB) listed in the Minority and Women's Business Enterprises Division (MWBED) directory and the IVOSB directory of certified firms. Respondents must indicate the name of the MBE, WBE and IVOSB with which it will work, the contact name and phone number at the firm(s), the service supplied by the firm(s), the specific dollar amount from this contract that will be directed toward each firm, and the approximate date these products and/or services will be utilized. If participation is met through use of vendors who supply products and/or services, the Respondent must also indicate the vendor's tax ID number as well as provide a description of products and/or services provided to the Respondent that are directly related to this proposal and the cost of direct supplies for this proposal. All prime contractors, including MBE, WBE and IVOSB prime contractors, are expected to meet the contract goals through use of subcontractors.

The Indiana Department of Administration ("IDOA") in its commitment to Minority, Women's and Indiana Veteran Owned Small Business participation in the state's procurement and contracting process, expects MBE, WBE and IVOSB participation in bids for public works projects with subcontracting opportunities. The Department reserves the right to verify all information included in the Plan.

Respondents may contact MWBED if they have any questions regarding their Participation Plan. A complete list of all currently certified MBE's and WBE's is located at this link: <http://www.in.gov/idoa/mwbe/2743.htm>. The complete list of certified IVOSBs can be found at this link http://www.in.gov/idoa/files/ivbe_certification_list.xls.

Minority, Women's and Indiana Veteran Owned Business Enterprises Participation Letter of Commitment

A signed letter(s), on company letterhead, from the MBE, WBE and/or IVOSB must accompany the Plan. This letter(s) shall state and will serve as acknowledgement from the MBE, WBE and/or IVOSB of its amount of participation, the scope of products and/or services, and approximate date these products and/or services will be utilized.

By submission of the Proposal, the Respondent acknowledges and agrees to be bound by the regulatory processes involving the State's MBE, WBE and IVOSB Programs. Questions involving the regulations governing the Plan should be directed to MWBED's Compliance Unit at 317/232-3061 or to IDOA at 317-233-1494.

MBE/WBE and IVOSB PARTICIPATION PLAN

RFP # / Bid # / Quote # _____ DUE DATE _____

(Circle One)

RFP / BID / QUOTE NAME _____

(Circle One)

RESPONDENT _____

ADDRESS _____

CITY/STATE/ZIP _____

PHONE () _____

The following MBEs and/or WBEs listed in the MWBED directory will be participating in the contract:

MBE/WBE PHONE COMPANY NAME SCOPE OF PRODUCTS/SERVICES UTILIZATION DATE AMOUNT

The following IVOSBs listed in the IVOSB directory will be participating in the contract:

IVOSB PHONE COMPANY NAME SCOPE OF PRODUCTS/SERVICES UTILIZATION DATE AMOUNT

***If additional room is necessary, indicate here _____ . Please attach a separate page.**

**Indiana Department of Administration
Public Works and State Office Building Commission
GOOD FAITH EFFORTS WORKSHEET**

BIDDER _____

BID/PROJECT NUMBER _____

CONTRACT GOALS 7% MBE 5% WBE

List the M/WBEs contacted and complete the following information for each. Copies of all communications to and from each vendor should be maintained.

Company Name and Address	MBE	WBE	Type of Contact	Date of Contact	Date Response Due	Goods Or Services Requested	Result (Include Price Quote)

Indicate **Good Faith Efforts** made to utilize MWBEs. Check and explain all that apply or should be considered. Please provide evidence of the efforts that you want to be considered. A complete description of each criteria may be found in the **Indiana Department of Administration Public Works and State Office Building Commission MWBE Participation Policy**.

MBE and WBE Barrier Assistance	Describe
Advertisement	Describe
Agency Assistance	Describe
Other Criteria	Describe

CERTIFICATE OF CORPORATE RESOLUTION

I, _____, do hereby certify that I am the Secretary
of _____, a corporation duly organized and
existing under and by virtue of the Laws of the State of Indiana;

I further certify that a regular/special meeting of the members of the Board of Directors of said corporation,
duly called held and convened in conformity with the Charter and By Laws of said corporation, on the __ day
of _____, 20____, a quorum being present and voting thereon, the following resolution was duly
adopted, to-wit:

I further certify that the foregoing resolution is a full, true, and complete copy as the same appears on record
in the Minute Record Book of said corporation of which I am the legal custodian; that the same has not been
altered, amended or repealed and is now in full force and effect.

In Witness Whereof, I have hereunto set my hand for said corporation this _____ day of _____
_____, 20_____.

By: _____
(Signature)

(must be signed by principal of organization)
STATE OF }
 } SS:
COUNTY OF }

_____ personally appeared before me, a Notary Public, in and for said County and State,
this _____ day of _____, 20____, after being duly sworn upon his oath, says that the
facts alleged in the foregoing affidavit are true.

My Commission Expires:

NOTARY PUBLIC - SIGNATURE

(SEAL)

NOTARY PUBLIC PRINTED NAME

NON-COLLUSION STATEMENT

The undersigned attests, subject to the penalties for perjury, that the undersigned is the Contractor, or that the undersigned is the properly authorized representative, agent, member or officer of the Contractor. Further, to the undersigned's knowledge, neither the undersigned nor any other member, employee, representative, agent or officer of the Contractor, directly or indirectly, has entered into or been offered any sum of money or other consideration for the execution of this Contract other than that which appears upon the face hereof. **Furthermore, if the undersigned has knowledge that a state officer, employee, or special state appointee, as those terms are defined in IC 4-2-6-1, has a financial interest in the Contract, the Contractor attests to compliance with the disclosure requirements in IC 4-2-6-10.5.**

Signature

Printed Name

Title

Company

Date

PART A
PRE-CONTRACT DOCUMENTATION

CONTRACTOR'S BOND FOR CONSTRUCTION

KNOW ALL MEN BY THESE PRESENT, that _____
(Contractor)

_____ of _____
(Address) (City, State)

as principal and _____
(Bonding Company)

_____ (Address) (City, State) (Zip Code)

as surety, are firmly bound unto the State of Indiana in the penal sum of \$ _____ Dollars, for the payment of which, well and truly to be made, we bind ourselves, jointly and severally, and our joint and several heirs, executors, administrators and assigns, firmly by these present, this _____ day of _____, 20____.

THE CONDITIONS OF THE ABOVE OBLIGATION ARE SURE, THAT, WHEREAS the State of Indiana acting by and through the Commissioner, Department of Administration, has entered into a certain written contract dated _____ of _____

_____ (Project Number and Description)

_____ situated in _____ Indiana, in accordance with the construction documents approved and adopted by said Commissioner, Department of Administration, which are made a part of this bond.

NOW THEREFORE, if the said _____ (Contractor) _____, shall well and faithfully do and perform the same in all respects according to the plans and specifications adopted by said Commissioner, Department of Administration, and according to the time, terms and conditions specified in said contract and incurred by him or any subcontractor in the prosecution of said work, including labor, service and materials furnished, then this obligation shall be void; otherwise to remain in full force, virtue and effect. This bond shall adhere to the requirements of IC 4-13.6-7-6 and IC 4-13.6-7-7.

IN WITNESS WHEREOF, we hereunto set our hands and seals this _____ day of _____, 20____.

By: _____ (Seal)
(Contractor)

By: _____ (Seal)
(Bonding Company)

By: _____
(Attorney-in-fact)

CONTRACTOR'S CERTIFICATE OF INSURANCE

This certifies to the addressee shown below that the following described policies, subject to their terms, conditions, and exclusions, have been issued to:

NAME AND ADDRESS OF INSURED: _____

COVERING (show State project number, name and location) _____

ADDRESSEE: **PUBLIC WORKS DIVISION/DEPARTMENT OF ADMINISTRATION**

DATE: _____

TYPE OF INSURANCE	POLICY NUMBER	EFFECTIVE DATE	EXPIRATION DATE	LIMITS	
1. General Liability a. Bodily Injury Including Personal Injury				Each Person - Premises and Operations	\$ _____
				Each Person - Elevators	\$ _____
				Each Person - Independent Contractor	\$ _____
				Each Person - Products Completed Including Operations	\$ _____
				Each Person - Contractual	\$ _____
				Each Occurrence -	\$ _____
				Aggregate - Products Completed Including Operations	\$ _____
b. Property Damage				Each Occurrence - Premises and Operations	\$ _____
				Each Occurrence - Elevators	\$ _____
				Each Occurrence - Independent Contractor	\$ _____
				Each Occurrence - Products Completed Including Operations	\$ _____
				Each Occurrence - Contractual	\$ _____
				Aggregate -	\$ _____
				Aggregate - Operations Protective Products and Contractual	\$ _____
2. Automobile Liability a. Bodily Injury b. Property Damage				Each Person	\$ _____
				Each Occurrence	\$ _____
				Each Accident	\$ _____
3. Excess Liability Umbrella					\$ _____
4. a. Workmen s Compensation b. Employer s Liability				Statutory Workmen s Compensation	\$ _____
				One Accident And Aggregate Disease	\$ _____
5. Builder s Risk					\$ _____

UNDER GENERAL LIABILITY POLICY OR POLICIES

- | | YES | NO |
|--|-------|-------|
| 1. Does Property Damage Liability Insurance shown include coverage for XC and U hazards? | _____ | _____ |
| 2. Is Occurrence Basis Coverage provided under Property Damage Liability?.. _____ | _____ | _____ |
| 3. Is Broad Form Property Damage Coverage provided for this Project?..... | _____ | _____ |
| 4. Is Personal Injury Coverage included?..... | _____ | _____ |
| 5. Is coverage provided for Contractual Liability (including <u>indemnification provision</u>) assumed by insured?..... | _____ | _____ |

UNDER AUTOMOBILE LIABILITY POLICY OR POLICIES

- | | | |
|---|-------|-------|
| 1. Does coverage shown above apply to non-owned and hired automobiles?..... | _____ | _____ |
| 2. Is Occurrence Basis Coverage provided under Property Damage Liability?.. _____ | _____ | _____ |

In the event of cancellation, fifteen (15) days written notice shall be given to the party to whom this certificate is addressed.

NAME OF INSURANCE COMPANY

ADDRESS

SIGNATURE OF AUTHORIZED REPRESENTATIVE



STATE OF INDIANA DRUG-FREE WORKPLACE CERTIFICATION

State Form 44260 (R2 / 12-22)

Pursuant to Executive Order No. 90-5, April 12, 1990, issued by Governor Evan Bayh, the Indiana Department of Administration requires the inclusion of this certification in all contracts with and grants from the State of Indiana in excess of \$25,000. No award of a contract or grant shall be made, and no contract, purchase order or agreement, the total amount of which exceeds \$25,000, shall be valid unless and until this certification has been fully executed by the Contractor or Grantee and attached to the contract or agreement as part of the contract documents. False certification or violation of the certification may result in sanctions including, but not limited to, suspension of contract payments, termination of the contract or agreement and/or debarment of contracting opportunities with the State for up to three (3) years.

The Contractor/Grantee certifies and agrees that it will provide a drug-free workplace by:

(a) Publishing and providing to all of its employees a statement notifying employees that the unlawful manufacture, distribution, dispensing, possession or use of a controlled substance is prohibited in the Contractor's workplace and specifying the actions that will be taken against employees for violations of such prohibition; and

(b) Establishing a drug-free awareness program to inform employees about (1) the dangers of drug abuse in the workplace; (2) the Contractor's policy of maintaining a drug-free workplace; (3) any available drug counseling, rehabilitation, and employee assistance programs; and (4) the penalties that may be imposed upon an employee for drug abuse violations occurring in the workplace;

(c) Notifying all employees in the statement required by subparagraph (a) above that as a condition of continued employment the employee will (1) abide by the terms of the statement; and (2) notify the employer of any criminal drug statute conviction for a violation occurring in the workplace no later than five (5) days after such conviction;

(d) Notifying in writing the contracting State Agency and the Indiana Department of Administration within ten (10) days after receiving notice from an employee under subdivision (c) (2) above, or otherwise receiving actual notice of such conviction;

(e) Within thirty (30) days after receiving notice under subdivision (c) (2) above of a conviction, imposing the following sanctions or remedial measures on any employee who is convicted of drug abuse violations occurring in the workplace: (1) take appropriate personnel action against the employee, up to and including termination; or (2) require such employee to satisfactorily participate in a drug abuse assistance or rehabilitation program approved for such purposes by a Federal, State or local health, law enforcement, or other appropriate agency; and

(f) Making a good faith effort to maintain a drug-free workplace through the implementation of subparagraphs (a) through (e) above.

THE UNDERSIGNED AFFIRMS, UNDER PENALTIES OF PERJURY, THAT HE OR SHE IS AUTHORIZED TO EXECUTE THIS CERTIFICATION ON BEHALF OF THE DESIGNATED ORGANIZATION.

THE UNDERSIGNED ALSO AGREES THAT BY TYPING THEIR NAME ONTO THIS FORM, THEY AGREE TO THE USE OF THEIR DIGITAL NAME AS A LEGAL SIGNATURE

Printed Name of Organization

Contract/Grant ID Number

Authorized Representative

Date

Title

CONTRACTOR'S EMPLOYEE DRUG TESTING

IC 4-13-18 Chapter 18. Drug Testing of Employees of Public Works Contractors

4-13-18-1	Applicability
4-13-18-2	"Bid"
4-13-18-3	"Contractor"
4-13-18-4	"Public works contract"
4-13-18-5	Employee drug testing plan required in bid; collective bargaining agreements
4-13-18-6	Employee drug testing program requirements
4-13-18-7	Contract cancellation for noncompliance

IC 4-13-18-1 Applicability

Sec. 1. This chapter applies only to a public works contract awarded after June 30, 2006.

As added by P.L.160-2006, SEC.2.

IC 4-13-18-2 "Bid"

Sec. 2. As used in this chapter, "bid" includes a quotation.

As added by P.L.160-2006, SEC.2.

IC 4-13-18-3 "Contractor"

Sec. 3. (a) As used in this chapter, "contractor" refers to a person who:

- (1) submits a bid to do work under a public works contract; or
- (2) does any work under a public works contract.

(b) The term includes a subcontractor of a contractor.

As added by P.L.160-2006, SEC.2.

IC 4-13-18-4 "Public works contract"

Sec. 4. As used in this chapter, "public works contract" refers to:

- (1) a public works contract covered by IC 4-13.6;
- (2) a public works contract covered by IC 5-16 and entered into by a state agency; or
- (3) a state highway contract covered by IC 8-23-9;
- (4) a public works contract covered by IC 36-1-12;

when the estimated cost of the public works project is one hundred fifty thousand dollars (\$150,000) or more.

As added by P.L.160-2006, SEC.2. Amended by P.L.72-2018, SEC.10.

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**IC 4-13-18-5 Employee drug testing plan required in bid;
collective bargaining agreements**

Sec. 5. (a) A solicitation for a public works contract must require each contractor that submits a bid for the work to submit with the bid a written plan for a program to test the contractor's employees for drugs.

(b) A public works contract may not be awarded to a contractor whose bid does not include a written plan for an employee drug testing program that complies with this chapter.

(c) A contractor that is subject to a collective bargaining agreement shall be treated as having an employee drug testing program that complies with this chapter if the collective bargaining agreement establishes an employee drug testing program that includes the following:

- (1) The program provides for the random testing of the contractor's employees.
- (2) The program contains a five (5) drug panel that tests for the substances identified in section 6(a)(3) of this chapter.
- (3) The program imposes disciplinary measures on an employee who fails a drug test. The disciplinary measures must include at a minimum, all the following:
 - (A) The employee is subject to suspension or immediate termination.
 - (B) The employee is not eligible for reinstatement until the employee tests negative on a five (5) drug panel test certified by a medical review officer.
 - (C) The employee is subject to unscheduled sporadic testing for at least one (1) year after reinstatement.
 - (D) The employee successfully completes a rehabilitation program recommended by a substance abuse professional if the employee fails more than one (1) drug test.

A copy of the relevant part of the collective bargaining agreement constitutes a written plan under this section.

As added by P.L.160-2006, SEC.2.

IC 4-13-18-6 Employee drug testing program requirements

Sec. 6. (a) A contractor's employee drug testing program must satisfy all of the following:

- (1) Each of the contractor's employees must be subject to a drug test at least one (1) time each year.
- (2) Subject to subdivision (1), the contractor's employees must be tested randomly. At least two percent (2%) of the contractor's employees must be randomly selected each month for testing.
- (3) The program must contain at least a five (5) drug panel that tests for the following:
 - (A) Amphetamines.
 - (B) Cocaine.
 - (C) Opiates (2000 ng/ml).
 - (D) PCP.
 - (E) THC.
- (4) The program must impose progressive discipline on an employee who fails a drug test.

The discipline must have at least the following progression: (A) After the first positive test, an employee must be:

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- (i) suspended from work for thirty (30) days;
- (ii) directed to a program of treatment or rehabilitation; and
- (iii) subject to unannounced drug testing for one (1) year, beginning the day the employee returns to work.

(B) After a second positive test, an employee must be:

- (i) suspended from work for ninety (90) days;
- (ii) directed to a program of treatment or rehabilitation; and
- (iii) subject to unannounced drug testing for one (1) year, beginning the day the employee returns to work.

(C) After a third or subsequent positive test, an employee must be:

- (i) suspended from work for one (1) year;
- (ii) directed to a program of treatment or rehabilitation; and
- (iii) subject to unannounced drug testing for one (1) year, beginning the day the employee returns to work.

The program may require dismissal of the employee after any positive drug test or other discipline more severe than is described in this subdivision.

(b) An employer complies with the requirement of subsection (a) to direct an employee to a program of treatment or rehabilitation if the employer does either of the following:

- (1) Advises the employee of any program of treatment or rehabilitation covered by insurance provided by the employer.
- (2) If the employer does not provide insurance that covers drug treatment or rehabilitation programs, the employer advises the employee of agencies known to the employer that provide drug treatment or rehabilitation programs.

As added by P.L.160-2006, SEC.2.

IC 4-13-18-7 Contract cancellation for noncompliance

Sec. 7. (a) The public works contract must provide for the following:

- (1) That the contractor implement the employee drug testing program described in the contractor's plan.
- (2) Cancellation of the contract by the agency awarding the contract if the contractor:
 - (A) fails to implement its employee drug testing program during the term of the contract;
 - (B) fails to provide information regarding implementation of the contractor's employee drug testing program at the request of the agency; or
 - (C) provides to the agency false information regarding the contractor's employee drug testing program.

(b) The provisions of the public works contract relating to cancellation of the contract by the agency awarding the contract apply to cancellation of the public works contract under this section.

As added by P.L.160-2006, SEC.2.

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STATE OF INDIANA
GENERAL CONDITIONS

ARTICLE 1 CONTRACT DOCUMENTS

1.1 Definitions

1.1.1 The Contract Documents

The Contract Documents consist of the Agreement, the Instructions to Bidders, the Contractor's Proposal (Bid), the Conditions of the Contract (General and Supplementary), Drawings, Specifications, and Addenda issued prior to bidding, Change Orders, any written interpretation issued as a field order by the Designer pursuant to Article 1.2, and all field orders for minor changes in the Work by the Designer pursuant to Article 12.3.

1.1.2 The Contract

The Contract Documents form the Contract for construction. The Contract represents the entire and integrated agreement between the parties hereto and supersedes all prior negotiations, representations, or agreements, either written or oral.

1.1.3 The Work

All labor, material, equipment, systems and services necessary to produce the result called for in the Contract Documents.

1.1.4 The Project

The Project is the total construction designed by the Designer of which the Work performed under the Contract Documents may be the whole or a part.

1.2 Execution, Correlation, Intent and Interpretations

1.2.1 The Contract Documents shall be signed by the Owner and the Contractor. The signature process may be done electronically at the discretion of the Owner.

1.2.2 By executing the Contract the Contractor represents that he has visited the site and correlated his observations with the requirements of the Contract Documents, and has no major question pertaining thereto.

1.2.3 The Contract Documents are complementary, and what is called for by any one shall be as binding as if called for by all. The intention of the Documents is to include all labor, equipment, supervision and materials, for the proper execution and completion of the Work, and also to include those things that may be reasonably inferable from the Contract Documents as being necessary to produce the intended results. Words that have a well-known technical or trade meaning are used herein, in accordance with such recognized meaning.

1.2.4 Written interpretations necessary for the proper execution of the Work, in the form of drawings or otherwise will be issued with reasonable promptness by the Designer. Such interpretations shall be consistent with and reasonably inferable from the Contract Documents, and may be issued by field order subject to Owner's approval.

1.3 Copies Furnished and Ownership

1.3.1 The Contractor will be furnished 5 copies of drawings and specifications and any other information necessary for the execution of the Work.

1.3.2 All drawings, specifications, and copies thereof furnished by the Designer are his property. They are not to be used on any other Project, and, with the exception of one Contract set for each party to the Contract, are to be returned on request to the Designer at the completion of the Work.

ARTICLE 2 DESIGNER

2.1 Definition

2.1.1 The Designer is the person or organization identified as Designer of the Project, and is referred to throughout the Contract Documents as if singular in number and masculine in gender. The terms Designer, Engineer, Architect, (and in certain projects Director, Public Works Division or his authorized representative), shall mean the Designer.

2.2 Administration of the Contract

2.2.1 The Designer will provide general administration of the Contract, including the functions hereinafter described.

2.2.2 Unless stated otherwise, the Designer shall be the Owner's representative during the construction phase. He shall have authority to act on behalf of the Owner only to the extent expressly provided in the Contract Documents or otherwise in writing, which will be shown to the Contractor. The Designer will advise and consult with the Owner and all of the Owner's instructions to the Contractor shall be issued through the Designer.

2.2.3 The Designer shall have access to the Work at all times wherever it is in storage, preparation and progress. The Contractor shall provide facilities for such access so that the Designer and Owner's Site Representative may perform their functions under the Contract Documents.

2.2.4 The Designer will make no less than weekly visits to the site when work is in progress to familiarize himself generally with the progress and quality of the Work and to determine in general if the Work is proceeding in accordance with the Contract Documents. He will not be required to make exhaustive or continuous on-site inspection to check the quality or quantity of the Work. On the basis of his on-site observations as Designer, he will keep the Owner informed of the progress of the Work, and will endeavor to guard the Owner against defects and deficiencies in the Work of the Contractor.

2.2.5 Based on such observation and the Contractor's applications for payment, the Designer will determine the amount owed to the Contractor and will issue Certificates for Payment in such amounts.

2.2.6 The Designer will be, in the first instance, the interpreter of the requirements of the Contract Documents and the judge of the performance thereunder. He will promptly render such interpretations as he may deem necessary for the proper execution or progress of the Work.

2.2.7 All interpretations and decisions of the Designer will be consistent with the intent of the Contract Documents. He will exercise his best efforts to insure faithful performance by the Contractor.

2.2.8 Claims, disputes and other matters in question relating to the execution or progress of the Work or interpretation of the Contract Documents shall be referred initially to the Designer for decision and be subject to written appeal within fifteen (15) days by the Contractor. The Designer shall submit his decision promptly in writing to the Director, Public Works Division, who shall have full authority to render the final and binding decision.

2.2.9 The Designer will have responsibility to recommend to the Owner the rejection of work that does not conform to the Contract Documents. Whenever the Designer considers it necessary or advisable, he shall recommend to the Owner the stoppage of the Work or any portion thereof, and to recommend special examination or testing of the Work (whether or not fabricated, installed, or completed).

2.2.10 The Designer will review and approve or take other appropriate action upon the Contractor's submittals such as shop drawings, product data and samples, but only for conformance with the design concept of the Work and with the information given in the Contract Documents. Such action shall be taken with reasonable promptness so as to cause no delay. The Designer's approval of a specific item shall not indicate approval of all assembly of which the item is a component.

2.2.11 The Designer will prepare change orders in accordance with Article 12.

2.2.12 The Designer will conduct reviews to determine the dates of Substantial Completion and Final Completion, will receive and forward to the Owner for the Owner's review written warranties and related documents required by the Contract and assembled by the Contractor, and will issue a final Certificate for Payment upon compliance with the requirements of Article 9.7.

2.2.13 The Designer, together with representatives from the Contractor and the Owner will conduct a review of the Work nine (9) months after the date of substantial completion to determine any work not in compliance with the Contract Documents at that time. A list of items to be corrected or completed will be forwarded to the Contractor for corrective action prior to the expiration of the one year warranty period.

2.2.14 The duties, responsibilities and limitations of authority of the Designer as the Owner's representative during construction as set forth in Articles 1 through 14 of these General Conditions shall not be modified or extended without written consent of the Owner.

2.2.15 The Designer will not be responsible for the acts or omissions of the Contractor, Subcontractor, or any of their superintendents, supervisory staffs, agents or employees, or any other persons performing any of the Work.

2.2.16 In case of the termination of the employment of the Designer, the Owner shall appoint a Designer against whom the Contractor makes no reasonable objections, whose status under the Contract shall be that of Designer.

ARTICLE 3 OWNER

3.1 Definition

3.1.1 The Owner is the State of Indiana, represented by the Commissioner; Department of Administration acting through the Director, Public Works Division and the Director's designated project manager.

3.2 Information and Service Required of the Owner

3.2.1 The Owner will furnish, through the Designer, surveys, describing known physical characteristics, legal limits and utility locations for the property on which the Project is to be erected, if in the Owner's possession.

3.2.2 Information or services under the Owner's control shall be furnished by the Owner with promptness to avoid delay in the orderly progress of the Work.

3.2.3 The Owner shall issue all instructions to the Contractor through the Designer unless specified elsewhere in these documents.

3.2.4 If the Contractor fails to correct defective work as required by Article 13 or persistently fails to carry out the Work in accordance with the Contract Documents, the Owner, by a written order may order the Contractor to stop the Work, or any portion thereof, until the cause for such order has been eliminated; however, this right of the Owner to stop the Work shall not give rise to any duty on the part of the Owner to exercise this right for the benefit of the Contractor or any other person or entity, except to the extent required by Article 6.1.

3.3 Owner's Site Representative

3.3.1 Notwithstanding the obligations of the Designer as Owner's representative during construction, the Owner may employ an on-site representative to observe the progress of the Work.

3.3.2 The Owner's Site Representative shall function as an observer only. He shall report his findings to the Designer for review and any required further action. The Owner's Site Representative is not authorized to make changes in the Work or to interpret the Contract Documents.

3.3.3 The Owner's Site Representative shall have at all times access to the Work wherever it is in storage, preparation and progress. He may attend meetings at the site and he may review and approve the Contractor payment requests.

ARTICLE 4 CONTRACTOR

4.1 Definition

4.1.1 The Contractor is the person or organization identified as such in the Agreement. He is referred to throughout the Contract Documents as if singular in number and masculine in gender. The term Contractor means the Contractor or his authorized representative.

4.2 Review of Contract Documents

4.2.1 The Contractor shall carefully study and compare the Contract Documents and shall at once report to the Designer and the Owner any error, inconsistency or omission he may discover. The Contractor shall perform no portion of the Work at any time without Contract Documents or, where required, approved shop drawings, product data or samples for such portion of the Work.

4.3 Supervision and Construction Procedures

4.3.1 The Contractor shall supervise and direct the Work, using his best skill and attention. He shall be solely responsible for the quality of the Work and for all construction techniques, sequences, and procedures, and for coordinating all portions of the Work.

4.3.2 The Contractor shall not be relieved from his obligations to perform the Work in accordance with the Contract Documents either by the activities or duties of the Designer in administration of the Contract, or by inspections, tests or approvals required or performed under Paragraph 7.9 by persons other than the Contractor.

4.4 Labor and Materials

4.4.1 Unless otherwise specified in Division 1, the Contractor shall provide and pay for all labor, material, equipment, tools, construction equipment, machinery, transportation, and other facilities and services necessary for the proper execution of the Work.

4.4.2 Unless otherwise specified in Division 1, the Contractor shall provide and pay for all electric current, water, heat, and telephone services and shall maintain necessary discipline to prevent waste.

4.4.3 If any item of work shall be the subject of a jurisdictional dispute as to the craft to be used for said work, the Contractor shall aid in such inter-craft resolution and if arbitrated, abide by the decision, holding the Owner free of involvement in the dispute, and if time is lost by the dispute, extra work days will only be considered through the provisions of Article 12.2. He will do whatever he can to eliminate any embarrassment to the Owner caused by picketing, etc.

4.4.4 The Contractor shall at all times enforce strict discipline and good order among his employees, and shall not employ on the Work any unfit person or any one employee unskilled in the Work assigned to him or unqualified as a tradesman in the trade involved.

4.5 Warranty and Guarantee

4.5.1 The Contractor warrants and guarantees that all materials and equipment incorporated in the Project shall be new unless otherwise specified, and all work will be of the highest quality, free from faults and defects, and in strict conformance with the Contract Documents for a period of one year from the date of substantial completion. All work not so conforming to the Contract Documents may be considered defective. If required by the Designer, the Contractor shall furnish satisfactory evidence as to the kind and quality of materials and equipment. The warranties and guarantees provided in this Article and elsewhere in the Contract Documents shall be in addition to and not in limitation of any other warranty or guarantee or remedy called for the Contract Documents or otherwise prescribed by law. The Contractor, together with the Designer and representatives from the Owner, shall review the Work nine (9) months after the date of substantial completion to determine any work not in compliance with the Contract Documents. The Contractor shall correct such non-complying work prior to the expiration of the one year warranty.

4.6 Permits, Fees and Notices

4.6.1 The Contractor shall secure and pay for all permits, fees and licenses necessary for the execution of the Work.

4.6.2 The Contractor and Subcontractors must submit an "Exemption Certificate for Construction Contractors" (Form ST-105) to each supplier in order to obtain exemption from the Indiana Gross Tax (i.e., sales and use tax).

4.6.3 The Contractor shall give all notices and comply with all laws, ordinances, rules, regulations, and orders of any public authority bearing on the conduct of the Work. If he observes that any of the Contract Documents are at variance therewith in any respect, he shall promptly notify the Designer in writing, and any necessary changes shall be adjusted by change order. If he performs any work knowing it to be contrary to such laws, ordinances, rules and regulations, and without such notice to the Designer, he shall bear all cost arising from such non-conformance.

4.7 Cash Allowances

4.7.1 The Contractor shall include in the Contract Sum all allowances stated in the Contract Documents. These allowances cover the net cost of the materials and equipment delivered and unloaded at the site which cost shall be determined by the Owner through proper procedures for receiving quotes or bids as required by law. The Contractor's handling costs on the site, labor, installation costs, overhead, profit, and other expenses shall be included in the Contract sum and not in the allowance. The Contractor shall cause the Work required by these allowances to be performed by such persons as the Designer may direct, but he will not be required to employ persons against whom he has a reasonable objection. If the net cost above, when determined, is more than or less than the allowance, the Contract Sum will be adjusted accordingly by change order.

4.8 Superintendent

4.8.1 The Contractor shall keep on the Project, during the entire contract time, a competent superintendent and necessary assistants, all satisfactory to the Designer and the superintendent shall not be changed, except with the consent of the Owner, unless the superintendent proves to be unsatisfactory to the Contractor and ceases to be in his employ. The superintendent shall represent the Contractor and shall have full authority to act on his behalf. All communications given the superintendent shall be as binding as if given by the Contractor. Important communications shall be confirmed in writing.

4.9 Responsibility for Those Performing the Work

4.9.1 The Contractor shall be responsible for the quality of the Work, for acts and omissions of all the Subcontractors, their superintendents, their supervisory staffs, agents, or employees and of all other persons performing any of the Work under a Contract with the Contractor.

4.10 Progress Schedule

4.10.1 Unless otherwise indicated in Division 1, the Contractor, immediately after being awarded the Contract, shall prepare and submit for the Designer's approval a progress schedule for the Work in relation to the entire Project. This schedule in bar graph form, or other form approved by the Owner, shall indicate the dates for the starting and completion of the various stages of construction, and in addition, will state the contractual completion date. The contract completion date, based on the construction period stated in the notice to bidders, shall not be changed by submission of a schedule that shows an early completion date, unless specifically authorized by change order. A more detailed schedule may be required elsewhere in the documents.

4.11 Record Documents at the Site

4.11.1 The Contractor shall maintain for the Owner as part of the Contract one record copy of all drawings, specifications, addenda, shop drawings, change orders and other modifications at the site in good order, and marked to record all changes made during construction. These shall be available to the Designer and the Owner's Site Representative at all times while Work is in progress. All changes made during construction shall be recorded monthly and reviewed by the Designer before approval of each partial progress payment. The record documents shall be submitted to the Designer prior to the Contractor's final payment.

4.12 Shop Drawings and Samples

4.12.1 Shop drawings are all drawings, diagrams, illustrations, schedules, brochures, and other data, which are prepared by the Contractor, or any Subcontractor, manufacturer, supplier, or distributor, and which illustrate the Work.

4.12.2 The Contractor shall submit all shop drawings and samples required by the Contract or by the Designer in a timely manner, allowing sufficient time for the Designer's review so as not to cause any delay in the Work or in work by any other Contractor.

4.12.3 At the time of such submission, the Contractor shall furnish or verify all field measurements, field construction criteria, materials, catalog numbers, and the like and shall individually check, coordinate and stamp with his approval each submission, and shall in writing call the Designer's attention to any deviations in the shop drawings or samples from the requirements of the Contract Documents.

4.12.4 The Designer will check and approve, with reasonable promptness so as to cause no delay, these shop drawings and samples only for conformance with the design concept of the Project, and with the information given in the Contract Documents. The Designer's approval of a separate item will not indicate approval of the assembly in which the item functions.

4.12.5 The Designer's approval of shop drawings or samples shall not relieve the Contractor of responsibility for any deviation from the requirements of the Contract Documents unless the Contractor has in writing called the Designer's attention to such deviation at the time of submission and the Designer has given written approval to the specific deviation, nor shall this relieve the Contractor from errors or omissions in the shop drawings or samples.

4.12.6 No work requiring a shop drawing or sample submission shall be commenced until the submission has been approved by the Designer. All such work shall be in accordance with approved shop drawings and samples.

4.13 Use of Premises

4.13.1 The Contractor shall confine operations at the site to areas permitted by law, ordinances, permits and the Contract Documents, and shall not unreasonably encumber the premises with any materials or equipment.

4.14 Cutting and Patching

4.14.1 The Contractor shall do all cutting, fitting or patching of his work that may be required to make its several parts come together properly and shall not endanger any work by cutting, excavating, or otherwise altering the Work or any part of it. Costs caused by defective or ill-timed work shall be borne by the party responsible therefore.

4.15 Cleaning Up

4.15.1 The Contractor shall at all times keep the premises free from accumulation of waste materials or rubbish caused by his operations. At the completion of the Work, he shall remove all waste material and rubbish from and about the building as well as all his tools, scaffolding and surplus materials. Contractor shall clean all glass surfaces, lights and fixtures, ceilings, walls and shall leave the Work dusted, swept and wet mopped clean, unless more exactly specified.

4.15.2 In case of dispute the Owner may remove the rubbish and charge the cost to the several Contractors as the Designer shall determine to be just.

ARTICLE 5 SUBCONTRACTORS

5.1 Definition

As used in this article "contractor tier" refers collectively to the following classes of contractors on a public works project:

- (1) "Tier 1 contractor" includes each person that has a contract with the public agency to perform some part of the work on, supply some of the materials for, or supply a service for, a public works project. A person included in this tier is also known as a "prime contractor" or a "general contractor".
- (2) "Tier 2 contractor" includes each person that has a contract with a tier 1 contractor to perform some part of the work on, supply some of the materials for, or supply a service for, a public works project. A person included in this tier is also known as a "subcontractor".
- (3) "Tier 3 contractor" includes each person that has a contract with a tier 2 contractor to perform some part of the work on, supply some of the materials for, or supply a service for, a public works project. A person included in this tier is also known as a "sub-subcontractor".
- (4) "Lower tier contractor" includes each person that has a contract with a tier 3 contractor or lower tier contractor to perform some part of the work on, supply some of the materials for, or supply a service for, a public works project. A person included in this tier is also known as a "lower tier subcontractor".

A Subcontractor is a person or entity who has a direct Contract with the Contractor to perform any of the Work at the site. The term Subcontractor is referred to throughout the Contract Documents as if singular in number and masculine in gender and means a Subcontractor or his authorized representative. The term Subcontractor does not include any separate Contractor or his Subcontractors.

5.2 Award of Subcontracts and Other Contracts for Portions of the Work

5.2.1 Unless otherwise required by the Contract, the Contractor shall furnish to the Owner, with his bid on the prescribed form, the names of all persons or entities (including those who are to furnish materials or equipment fabricated to a special design) proposed for each of the principal portions of the Work with an installed value of \$150,000.00 or more. The Designer will promptly reply to the Contractor in writing stating whether or not the Owner or the Designer, after due investigation, has reasonable objection to any such proposed person or entity. Failure of the Owner or Designer to reply within fourteen (14) days shall constitute notice of no reasonable objection.

5.2.2 The Contractor shall not subcontract with any such proposed person or entity to which the Owner or the Designer has made reasonable objection. The Contractor shall not be required to subcontract with anyone to whom he has a reasonable objection.

5.2.4 If the Owner or the Designer has reasonable objection to any such proposed person or entity, the Contractor shall submit a substitute to whom the Owner or the Designer has no reasonable objection.

5.2.5 The Contractor shall make no substitution of any Subcontractor, person or entity previously selected, if the Owner or Designer makes reasonable objection to such substitution.

5.2.3 The Contractor and his subcontractors shall employ only licensed plumbers and shall provide to the Owner the names and license numbers of all plumbers engaged in the Work. The Contractor shall submit this documentation with any monthly progress payment request that includes plumbing labor.

5.3 Subcontractual Relations

5.3.1 By an appropriate written agreement, the Contractor shall require each Subcontractor, to the extent of the Work to be performed by the Subcontractor, to be bound to the Contractor by the terms of the Contract Documents, and to assume toward the Contractor all the obligations and responsibilities which the Contractor, by these Documents, assumes toward the Owner. Said agreement shall preserve and protect the rights of the Owner under the Contract Documents with respect to the Work to be performed by the Subcontractor so that subcontracting thereof will not prejudice such rights, and shall allow to the Subcontractor the benefit of all rights, remedies and redress against the Contractor that the Contractor, by these Documents, has against the Owner. Provisions of Article 9 for progress payments, retainage and payment for stored material shall be incorporated without modification in all Contractor-Subcontractor agreements. The Contractor shall require each Subcontractor to enter into similar agreements with his Sub-subcontractors. Prior to execution of the Contractor-Subcontractor agreement, the Contractor shall provide all Subcontractors a complete copy of all proposed Contract Documents for the Project to which the Subcontractor will be bound by this Paragraph 5.3. Each Subcontractor shall similarly make available to his Sub-Subcontractors copies of such Documents. Executed copies of all agreements shall remain on file with the Contractor and be available for review by the Owner at the Owner's discretion.

ARTICLE 6 SEPARATE CONTRACTS

6.1 Owner's Right to Let Separate Contracts

6.1.1 The Owner reserves the right to let other contracts in connection with other portions of the Project under these or similar General Conditions.

6.1.2 When separate contracts are awarded for different portions of the Project, "the Contractor" in the Contract Documents in each case shall be the Contractor who signs each separate contract with the Owner.

6.1.3 When separate contracts are awarded for portions of the Project, the General Construction Contractor shall be responsible for the overall coordination of all separate contracts for the Project.

6.2 Mutual Responsibility of Contractors

6.2.1 The Contractor shall afford each other Contractor reasonable opportunity for the introduction and storage of their materials and equipment and the execution of their work, and each shall properly connect and coordinate his work with all others as coordinated by the General Contractor.

6.2.2 If any part of the Contractor's work depends on proper execution or results upon the work of any other separate Contractor, the Contractor shall inspect and promptly report to the Designer any discrepancies or defects that shall cause his work to fail or be non-conforming. Failure of the Contractor to so inspect and report shall constitute an acceptance of the other Contractor's work as fit and proper for the reception of his work.

6.2.3 Should the Contractor cause damage to any separate Contractor on the Project, the General Contractor agrees, upon due notice, to settle with such other Contractor by agreement, if at all possible without involving the Owner. The Owner will be involved only after evidence is presented that sureties cannot settle the problem.

6.2.4 Any costs caused by defective or ill-timed work shall be borne by the party responsible.

ARTICLE 7 MISCELLANEOUS PROVISIONS

7.1 Delinquent State Taxes (IC. 4-13-2-14.5). The Public Works Division may allow the Department of State Revenue access to the name of each person who is either:

- (1) Bidding on a Contract to be awarded under this chapter; or
- (2) A Contractor or Subcontractor under this chapter.

If the Public Works Division is notified by the Department of State Revenue that a bidder is on the most recent tax warrant list, a Contract may not be awarded to that bidder until the bidder provides a statement from the Department of State Revenue that the Bidder's delinquent tax liability has been satisfied. The Department of State Revenue may notify:

- (1) The Department of Administration; and
- (2) The Auditor of State;

that a Contractor or Subcontractor under this chapter is on the most recent tax warrant list, including the amount owed in delinquent taxes. The Auditor of State shall deduct from the Contractor's or Subcontractor's payment the amount owed in delinquent taxes. The Auditor of State shall remit this amount to the Department of State Revenue and pay the remaining balance to the Contractor or Subcontractor.

7.2 Choice of Law

7.2.1 The Contract shall be governed by the laws of the State of Indiana.

7.3 Assignment

7.3.1 The Contractor shall not assign the Contract or sublet it as a whole without the written consent of the Owner, nor shall the Contractor assign any monies due or to become due to him hereunder, without the previous written consent of the Owner.

7.4 Written Notice

7.4.1 Written notice shall be deemed to have been duly served if delivered in person to the individual or member of the firm or to an officer of the corporation for whom it was intended, or sent by registered or certified mail to the last business address known to him who gives the notice.

7.5 Claims for Damages

7.5.1 Should either party to the Contract suffer injury or damage to person or property because of any act or omission of the other party or any of his employees, agents or others for whose acts he is legally liable, claim shall be made in writing to such other party within seven (7) days of the first observance of such injury or damage.

7.6 Performance Bond and Labor and Material Payment Bond

7.6.1 For projects advertised with an estimated base bid amount of One Hundred Fifty Thousand Dollars (\$150,000) or more, the Contractor shall furnish and pay for an approved one hundred percent (100%) combination performance and payment bond (Contractor's Bond for Construction, Public Works Division Form DAPW 15). This bond shall adhere to the requirements of IC. 4-13.6-7-6 and IC. 4-13.6-7-7 as amended and shall cover the faithful performance of the Contract and the payment of all obligations arising thereunder, including reimbursement for any stored materials paid for but returned to materialmen, with such sureties as the Owner may approve. The combination bond shall remain in effect throughout the entire construction period and in addition for a period of one year from the date of final acceptance. The Contractor shall deliver the required bonds to the Owner prior to execution of the Contract by the Owner unless authorized to the contrary in writing by the Owner. All bonds must be issued by bonding companies, which are licensed and approved by the Indiana Insurance Commission.

7.7 Owner's Right to Carry Out the Work

7.7.1 If the Contractor should default or neglect to carry out the Work properly or fail to perform any provision of the Contract, the Owner may, after giving seven (7) days written notice to the Contractor, without prejudice to any other remedy it may have, make good such deficiencies. In such case, an appropriate change order shall be issued deducting the cost thereof including the cost of the Designer's additional service made necessary by such default, neglect or failure of the Contractor, from the payments then or thereafter due the Contractor, provided, however, that the Designer shall approve both such action and the amount charged to the Contractor. If such payments due to the Contractor are not sufficient to cover such amount, the Contractor shall pay the difference to the Owner.

7.8 Royalties and Patents

7.8.1 The Contractor shall pay all royalties and license fees. He shall defend all suits or claims for infringement of any patent rights and shall save the Owner harmless from liability of any nature or kind including costs and expenses for or on account of any patented or unpatented invention, process, article or appliance manufactured or used in the performance of this Contract, including its use by the Owner.

7.9 Tests & Substitution of Materials

7.9.1 If the Contract Documents, laws, ordinances, rules, regulations, or orders of any public authority having jurisdiction require any work to be inspected, tested, or approved, the Contractor will give the Designer timely notice of its readiness and of the date fixed for such inspection, testing, or approval so that the Designer may observe the same. The Contractor shall bear all cost of such inspections, tests, and approvals unless otherwise provided.

7.9.2 If, after the commencement of the Work, the Designer, with approval of the Owner in writing, determines that the Work requires special inspection, testing, or approval for which subparagraph 7.9.1 does not provide, he will, upon written authorization from the Owner, order such special inspection, testing or approval. If such special inspection or test reveals a failure of the Work to fulfill the requirements of the Contract Documents, laws, ordinances, rules, regulations or orders of any public authority having jurisdiction, the Contractor shall bear all costs thereof; otherwise the Owner shall bear such costs. An appropriate change order shall be issued.

7.9.3 Required certificates of inspection, testing or approval shall be secured by the Contractor and promptly delivered by him to the Designer.

7.9.4 Observations by the Designer of the inspections, tests, or approvals required by Article 7 will be promptly made, and where practicable at the source of supply at no additional cost to the Owner.

7.9.5 Neither the observations of the Designer in his administration of the Contract, nor inspections, tests or approvals by persons other than the Contractor shall relieve the Contractor from his obligations to perform the Work in accordance with the Contract Documents.

7.9.6 All building construction and work, alterations, repairs, plumbing, mechanical, and electrical installations and appliances connected therewith, shall comply with the Rules and Regulations of the Department of Fire and Building Services, State Board of Health, local ordinances, Rules for Licensure of Building Trades, and other statutory provisions pertaining to this class of work; such rules and regulations and local ordinances to be considered as a part of these specifications.

7.9.7 Where in these specifications, one or more certain materials, trade names, or articles of certain manufacture are mentioned, it is done for the express purpose of establishing a basis of durability and efficiency and not for the purpose of limiting competition. Approval of other acceptable products for those specified may be obtained by requesting to the Designer no later than fourteen (14) days in advance of bid date with all documentation required for the Designer to evaluate any approval. If approval is granted, the subject product will be added by addendum.

7.9.8 Should there be a reason for change of materials after award of the Contract, the following criteria shall apply:

- a. Original material no longer manufactured,
- b. Delivery not possible within time specified for job, and/or
- c. Unavailability due to causes beyond the control of the Contractor.

7.9.9 After agreement by the Designer and the Owner that a change is necessary, the Contractor shall present a request for substitution to the Designer. The burden of proof of the merit of the proposed substitute is upon the proposing party. The decision of the Designer and the Owner regarding the substitution shall be final.

7.10 Certificate of Qualification

7.10.1 In accordance with IC. 4-13.6-4 as amended, all Contractors and Subcontractors performing work for the State of Indiana on projects estimated to be in excess of one hundred fifty thousand dollars (\$150,000.00), must hold a valid Certificate of Qualification issued by the Public Works Certification Board. The Instructions to Bidders define the procedure for certification and bidding.

7.10.2 The Contractor must perform at least fifteen (15) percent of the total Contract Sum of the Work with his own forces. The Contractor shall submit copies of his payroll records, if requested by the Owner, showing the hours, rates and total costs for all personnel on his payroll detailed to the degree to ensure compliance with this paragraph and any Wage Determination provisions.

7.11 Appropriation

7.11.1 The Contract specifically limits payments to be made in accordance with appropriations made and funds made available under laws of the State of Indiana.

7.12 Federal Wage Determination if required

7.12.1 If a Davis-Bacon wage determination is included in the Contract Documents, it shall be used as the minimum wage and benefits to be paid for the trades indicated.

7.12.2 Contractor shall submit a schedule of hourly wages to be paid to each employee (including those of his subcontractors) engaged in work on the site. This submittal shall be on Contractor's letterhead stationery and shall be signed by the Contractor and notarized. A copy of this submittal shall be conspicuously posted at the site.

7.12.3 Said rates shall in no case be less than those set out in the Davis-Bacon wage schedule a copy of which is herein bound or is on file with the Owner if it is required.

7.12.4 The Contractor shall provide (and require each Subcontractor to provide) weekly payroll records listing employees engaged in work on the site for the week and the hourly rates for base pay and benefits paid to each employee listed. The payroll record form shall include a statement by the Contractor/Subcontractor certifying the accuracy and completeness of the information provided. Payroll records shall be maintained by the Contractor during the course of the Work until the end of the required warranty period.

7.13 Out-of-State Contractors

7.13.1 Proof of payment by Out-of-State Contractors of Indiana Gross Income Tax, as provided in IC. 6-2.1-5-1.1 (b) and 6-2.1-5-1.1 (a) (d) as amended shall be submitted before final payment will be approved.

7.13.2 Out-of-State Corporations must be authorized to do business in the State, IC. Title 23 prior to submitting bids. Forms may be obtained by contacting the Secretary of State, State of Indiana, Indianapolis, Indiana.

7.14 Material Delivery

7.14.1 Shipments of material to be used by the Contractor or any Subcontractor under this Contract should be delivered to the job site only during the regular working hours of the Contractor or Subcontractor. If a delivery is made during other than the normal working hours of the Contractor or Subcontractor, his authorized agent must be on duty to receive such material. No employee of the Owner is authorized to receive any shipments designated for the Contractor or Subcontractor.

7.15 Weather

7.15.1 The Contractor shall at all times provide protection against weather, rain, wind, storms, frost or heat, so as to maintain all work, materials, apparatus and fixtures free from injury or damage. At the end of the day's work, all new work likely to be damaged shall be covered.

7.15.2 During cold weather, the Contractor shall protect all work from damage. If low temperature makes it impossible to continue operations safely, in spite of cold weather precaution, the Contractor shall cease work and shall so notify the Owner and Designer.

7.15.3 Any work damaged by failure to provide protection above required, shall be removed and replaced with new work at the Contractor's expense.

7.15.4 The Contractor shall provide and maintain on the premises, where directed, watertight storage shed (or sheds) for storage of all materials, which might be damaged by exposure to weather.

7.16 Fire Hazards

7.16.1 Wherever and whenever any burning, welding, cutting or soldering operation is in progress, or equipment is in use, or any work involving a fire hazard, is performed, the Contractor responsible for such operation shall have at all times acceptable fire extinguisher or protection within five (5) feet of the operation.

7.17 Dismissal

7.17.1 Any foreman or workman employed by the Contractor or by any Subcontractor who, in the opinion of the Director, Public Works Division and/or the Designer, does not perform his work in a proper and skillful manner, or is disrespectful, intemperate, disorderly, intoxicated or otherwise objectionable shall at the written request of either of the above, be forthwith discharged by the Contractor or Subcontractor employing such foreman or workman and he shall not be employed again on any portion of the Work without the written consent of the Director of the Division of Public Works and the Designer. Should the Contractor fail to furnish suitable and sufficient machinery, equipment or personnel for the proper prosecution of the Work, the Owner or Designer may withhold all payments that are or may become due, or may suspend the Work until such orders are upheld.

ARTICLE 8 TIME

8.1 Definitions

8.1.1 Unless otherwise provided, the Contract Time is the period of time allotted in the Contract Documents for Substantial Completion of the Work as defined herein, including authorized adjustments thereto.

8.1.2 The date of commencement of the Work is the date established in a notice to proceed. If there is no notice to proceed, it shall be the date of the Governor's signature on the Owner-Contractor Agreement or such other date as may be established therein.

8.1.3 The Date of Substantial Completion of the Work, or designated portion thereof, is the date certified by the Director, Public Works Division when construction is sufficiently complete, in accordance with the Contract Documents, so the Owner may occupy or utilize the Work, or designated portion thereof, for the use for which it is intended.

8.1.4 The term day as used in the Contract Documents shall mean calendar day unless otherwise specifically designated.

8.2 Progress and Completion

8.2.1 All time limits stated in the Documents are of the essence of the Contract.

8.2.2 The Contractor shall begin the Work on the date of commencement as defined herein. He shall carry the Work forward expeditiously with adequate forces and shall achieve Substantial Completion within the Contract Time.

8.2.3 The Owner fully expects the Contractor to employ any and all means necessary to complete the Work within the Contract Time. Conduct of the Owner's affairs, such as unforeseen site conditions or delay in processing change orders, shall not be viewed as justification for delaying the Project unless the Owner can be shown to have breached the Contract. Contractor must employ all reasonable means to execute the Project in a timely manner and in conformance with the Contract Documents even if the Contractor or Designer seeks legal remedy against the Owner for claim of damage.

8.3 Delays and Extensions of Time

8.3.1 If the Contractor is delayed at any time in the progress of the Work by any act or neglect of the Owner or the Designer, or by any employee of either, or by any separate Contractor employed by the Owner, or by changes ordered in the Work, or by labor disputes, fire, unusual delay in transportation, adverse weather conditions not reasonable to anticipate, unavoidable casualties, or

any causes beyond the Contractor's control, or by delay authorized by the Owner pending arbitration, or by any other cause which the Designer determines may justify the delay, then the Contract Time shall be extended by a Change Order for such reasonable time as the Designer may determine.

8.3.2 Claims for extension of time shall be made in writing to the Designer. In case of a continuing delay only one claim is necessary. The Contractor shall provide an estimate of the probable effect of such delay on the progress of the Work.

8.3.3 If no agreement is made stating the dates upon which interpretations as provided in Article 2.2 shall be furnished, then no claim for delay shall be allowed on account of failure to furnish such interpretations until fifteen days after written request is made for them, and not unless such claim is reasonable.

8.3.4 This Paragraph 8.3 does not exclude the recovery of damages for delay by either party under other provisions of the Contract Documents.

ARTICLE 9 PAYMENTS AND COMPLETION

9.1 Contract Sum

9.1.1 The Contract Sum is the total amount payable by the Owner for the performance of the Work under the Contract Documents.

9.2 Schedule of Values

9.2.1 Before the first application for payment, the Contractor shall submit to the Owner a schedule of various parts of the Work, including quantities if required by the Owner, aggregating the total Contract Sum, divided so as to facilitate payments to Subcontractors in accordance with Article 5.3, made out in such form as the Owner and the Contractor may agree upon, and supported by such data to substantiate its correctness as the Owner may require. Each item in the Schedule of Values shall include its proper share of overhead, profit, and other general charges. This schedule, when approved by the Owner, shall be used as a basis for the Contractor's Applications for Progress and Final Payments.

9.3 Progress Payments

9.3.1 Completed work: The Contractor shall submit to the Designer an itemized Application for Payment, supported by such data substantiating the Contractor's right to payment as the Designer may direct. The Owner shall make payments on account of the Contract, upon issuance of Certificates of Payment certified by the Designer and the Owner's Representative, for labor and materials incorporated into the Work at the rate of ninety four (94%) percent of such value until fifty (50%) percent of the value of the Work is completed. After that fifty (50%) percent, no further retainage will be deducted. The Director, Public Works Division has the option to require that three (3%) percent of the value of the Work be retained throughout the duration of the entire Contract. The retainage schedule shall be determined prior to award of Contract. Retainage may be paid with final payment at the discretion of the Director, Public Works Division, but shall not be paid in any event until a minimum of sixty one (61) days after all work is completed.

9.3.2 Materials Stored: Payments may be made on account for materials or equipment not incorporated in the Work, but delivered and suitably stored at the site. With written approval of the Owner, materials may be stored at another location other than the Work site if properly identified as the property of the Owner and properly protected. Storage of material at the place of business of the vendor is not acceptable (25 IAC 2-9-2). Such payments shall be conditional upon the submission by the Contractor of one of the following: 1) receipts marked by the supplier as paid; 2) supplier's final waiver of lien listing specific materials involved; 3) invoice with copy of canceled check showing payment; or 4) such other evidence of payment as the Owner may require in lieu thereof to establish ownership of all items except those listed as miscellaneous materials below. For the aggregate of miscellaneous stored materials for which payment is requested and above proof of payment is not available, a complete list will be provided along with the affidavit of payment. Upon certification by the Owner's representative that the listed materials are suitably stored, payment can be made. Miscellaneous materials are defined as pipe, fittings, wire, conduit, etc., normally stored as stock items in Contractor's warehouse. For materials stored other than at the construction site applicable insurance and transportation to the site shall be provided by the Contractor.

9.3.3 As stored materials are incorporated into the Work, the value shall be removed from the total value of stored materials requested in successive payments. Proof of ownership through one of the above methods will be required for additional materials. When, in the judgment of the Owner, retainage for completed work is not sufficient in relation to excessive amounts requested for stored materials or equipment, the Owner may elect to place the retainage for such materials or equipment in escrow. This retainage shall apply as a credit toward retainage due to be held for completed work on future payments.

9.3.4 The Contractor warrants that title to all work, materials and equipment covered by an Application for Payment will pass to the Owner either by incorporation in the construction or upon the receipt by the Contractor of payment, whichever occurs first, free and clear of all liens, claims, security interest or encumbrances, hereinafter referred to in this Article 9 as "liens"; and that no Work, materials or equipment covered by an Application for Payment will have been acquired by the Contractor, or by any other person performing work at the site or furnishing materials and equipment for the Project, subject to an agreement under which an interest

therein or an encumbrance thereon is retained by the seller or otherwise imposed by the Contractor or such other person.

9.3.5 The Contractor shall accompany each application for payment request with a certification that he paid to all Subcontractors (fabricators) within ten (10) days of receipt of payment that pro rata amount of funds he has received from the Owner for the value of work or services (fabricated materials or equipment) performed by the Subcontractor (supplied by fabricator) contained in previous progress payments. The Contractor's inclusion of a value of subcontract work in his progress pay estimate is prima facie evidence of acceptance of work having such a value; therefore, if the Owner receives a certification from a Subcontractor that he has not been paid such amounts as were included in the Contractor's partial billing and subsequently paid to the Contractor by the Owner, then the Owner will hold all subsequent partial payment requests until satisfactory evidence is received from the Subcontractor that he has been paid such amounts presented to the Owner by the Contractor, paid to the Contractor by the Owner, and not distributed by the Contractor to the Subcontractor. The making of an incorrect certification of either partial payment or final payment may be considered by the Owner to be a breach of contract, and it may exercise all of its prerogatives set out in the Contract in addition to the remedies for falsifying an affidavit. Such an action could result in a suspension of qualification with the State Certification Board for a period of up to two (2) years.

9.4 Certificates for Payment

9.4.1 When the Contractor has made application for payment as above, the Designer will issue a Certificate of Payment to the Owner for such amount as he determines to be properly due, or state in writing his reasons for withholding a certificate as provided in Articles 9.5.1.

9.4.2 The issuance of a Certificate for Payment will constitute a representation by the Designer to the Owner, based on the Designer's observations at the site as provided in Article 2.2.4 and the data comprising the Application for Payment, that the Work has progressed to the point indicated, and that, to the best of his knowledge, information and belief, the quality of work is in accordance with the Contract Documents subject to an evaluation of the Work as a functioning whole upon substantial completion, to the results of any subsequent tests called for in the Contract documents, to minor deviations correctable prior to the next certificate for payment and to any specific qualifications stated in his certificate, and that the Contractor is entitled to payment in the amount certified.

9.4.3 The Designer's final Certificate for Payment will constitute a further representation that the conditions precedent to the Contractor's being entitled to final payment as set forth in Article 9.7 have been fulfilled. However, by issuing a Certificate, the Designer shall not thereby be deemed to represent that he has made any examination to ascertain how or for what purpose the Contractor has used the monies paid on account of the Contract Sum.

9.4.4 The Owner shall make payment as soon as the fiscal procedure of the State can process same after receipt from the Designer of the Certificate for Payment. The fiscal procedure by the State can include, but not be limited to, review by the Owner's using agency, verification of the Certificate by the Owner's Site Representative, review for accuracy of form and calculation by the Owner's accountant, review by the Owner's project management and execution by the Director, Public Works Division and others.

9.4.5 No certificate for a progress payment or progress payment for partial or entire occupancy of the Project by the Owner shall constitute an acceptance of work not in accordance with the Contract Documents.

9.4.6 Pursuant to IC. 4-13.6-7-2 all Contract awards of One Million Dollars (\$1,000,000) or above, if elected by the Contractor, an escrow agent will be selected by the State with whom the retainage funds for this Contract will be deposited and held until receipt of notice from the Director, Public Works Division (Escrow Form DAPW 32A) and from all other necessary parties as specified in and in accordance with the procedures and provisions of said Act.

9.5 Payments Withheld

9.5.1 The Designer (or Owner) will not approve an application in whole or in part, if in his opinion, he is unable to make representations to the Owner as provided in Article 9.4. The Designer (or Owner) will not approve Application for Payment or, because of subsequent inspections, may nullify the whole or any part of the Certificate for Payment previously issued to such extent as may be necessary in his opinion to protect the Owner from loss because of:

- A. defective work not remedied,
- B. claim filed or reasonable evidence indicating probable filing of claims,
- C. failure of the Contractor to make payments properly to Subcontractors or for materials, equipment or labor,
- D. reasonable doubt that the Contract can be completed for the unpaid balance,
- E. damage to another Contractor,
- F. reasonable indication that the Owner may be damaged by delay in receiving use of the Work as scheduled, or,
- G. unsatisfactory prosecution of the Work by the Contractor.

9.5.2 When the above grounds are removed, payment shall be processed for amounts withheld.

9.6 Failure of Payment

9.6.1 If the Designer should fail to issue any Certificate for Payment, through no fault of the Contractor, or if the Owner should fail to pay the Contractor in a reasonable time considering the fiscal procedures of the State for processing same after receipt from the Designer the amount certified by the Designer, then the Contractor may, after seven (7) additional days, give written notice to the Owner and Designer, that work will stop until payment of the amount owing has been received.

9.7 Substantial Completion and Final Payment

9.7.1 When advised by the Contractor that the Work or a designated portion thereof is substantially complete, the Designer; the Director, Public Works Division, and the Contractor shall determine jointly by inspection that the Work is substantially complete. If they determine that the Work is substantially complete, the Contractor shall then prepare a Certificate of Substantial Completion with an accompanying list of incomplete items of work (punch list), and submit it to the Designer for his signature and subsequent forwarding for approval by the Director, Public Works Division. The Certificate shall fix the date of Substantial Completion and shall state the responsibilities of the Owner and the Contractor for maintenance, heat, utilities and insurance.

9.7.2 Upon approval of the above, and notice that the Work is ready for final acceptance, the Designer, the Contractor and Owner will promptly make final review, and when they find the Work acceptable under the Contract and the Contract fully performed, the Contractor shall promptly submit the final Certificate for Payment with all other required documents, showing that the Work has been completed in accordance with the terms and conditions of the Contract, and that the entire balance in said final certificate, is due and payable.

9.7.3 Neither the final payment nor any part of the retained percentage shall become due until the Contractor shall submit to the Designer releases or waivers of all liens arising out of the Contract; an affidavit that the releases and waivers include all the labor, materials, and equipment for which a lien could be filed and that all payrolls, material bills, and other indebtedness connected with the Work for which the Owner or its property might in any way be responsible have been paid or otherwise satisfied; and such other data establishing payment or satisfaction of all such obligations as the Owner may require. If any such lien or claim remains unpaid, the Contractor shall refund to the Owner all monies that the latter may be compelled to pay in discharging such lien or claim, including all costs.

9.7.4 If, after Substantial Completion of the Work, final completion thereof is materially delayed through no fault of the Contractor, and the Designer so confirms, the Owner shall, upon certification by the Designer, and without terminating the Contract, make payment of the balance due for that portion of the Work fully completed and accepted, or such portion as may be available from funds not already released to an escrow agent pursuant to IC 4-13.6-7. Such payment shall be made under the terms and conditions governing final payment, except that it shall not constitute a waiver of claims.

9.7.5 The making of final payment shall constitute a waiver of all claims by the Owner except those arising from:

- A. unsettled liens,
- B. faulty work appearing after Substantial Completion,
- C. failure of the Work to comply with the requirements of the Contract Documents,
- D. terms of any special guarantees required by the Contract Documents.

9.7.6 If upon Substantial Completion of the Work there are any remaining uncompleted minor items, the Owner shall withhold, until those items are completed, an amount equal to two hundred percent (200%) of the value of each item as determined by the Designer or Owner.

9.7.7 The acceptance of final payment shall constitute a waiver of all claims by the Contractor, except those previously made in writing and still unsettled and covered by other agreed arrangements.

ARTICLE 10 PROTECTION OF PERSONS AND PROPERTY

10.1 Safety Precautions and Programs

10.1.1 The Contractor shall be responsible for initiating, maintaining and supervising all safety precautions and programs in connection with the Work.

10.2 Safety of Person and Property

10.2.1 The Contractor shall take all necessary precautions for the safety of, and will provide all necessary protection to prevent damage, injury, or loss to:

- A. all employees on the Project and all other persons who may be affected thereby,
- B. all the Work and all materials and equipment to be incorporated therein, whether in storage on or off the site, and,
- C. other property at the site or adjacent thereto, including trees, shrubs, lawns, pavements, roadways, structures and

utilities not designated for removal, relocation or replacement in the course of construction.

10.2.2 The Contractor shall comply with all applicable laws, ordinances, rules, regulations and orders of any public authority having jurisdiction for the safety of persons or property or to protect them from damage, injury, or loss. He shall erect and maintain, as required by the conditions and progress of the Work, all necessary safeguards for safety and protection, including posting danger signs and other warnings against hazards, promulgating safety regulations, and notifying owners and users of adjacent utilities.

10.2.3 All damage or loss to all property specified herein caused directly or indirectly, in whole or in part, by the Contractor, any Subcontractor, or anyone directly or indirectly employed by any of them, or by anyone for whose acts any of them may be liable, shall be remedied by the Contractor, except damage or loss attributable solely to faulty Contract Documents or to the acts or omissions of the Owner, or Designer or their employees, or for those whose acts either of them may be liable.

10.2.4 The Contractor shall designate a responsible member of his organization on the Work whose duty shall be the prevention of accidents. This person shall be the Contractor's superintendent, unless otherwise designated in writing by the Contractor to the Owner and the Designer.

10.2.5 When the use or storage of explosives or other hazardous materials or equipment is necessary for the prosecution of the Work, the Contractor shall carry on such activities under the supervision of properly qualified personnel.

10.2.6 The Contractor shall not overload, or permit any part of the Work to be loaded so as to endanger its safety.

10.2.7 All excavations creating a trench of five (5) or more feet in depth shall strictly adhere to the shoring and other safety requirements called for and described under Indiana OSHA Regulation 29 C.F.R. 1926, Subpart "P", for trench safety systems.

10.3 Emergencies

10.3.1 In an emergency affecting the safety of persons or property, the Contractor shall act, at his discretion, to prevent threatened damage, injury or loss. Any additional compensation or extension of time claimed by the Contractor because of emergency work shall be determined as provided for in Article 12, Changes in the Work, and he shall notify the Owner of such a decision within seven (7) days of the event giving rise to such claim.

ARTICLE 11 INSURANCE

11.1 General Requirements for Insurance

11.1.1 The Contractor will be required to furnish to the Owner, evidence that he has complied with all items of insurance listed herein. All insurance policies/certificates shall be on file with the Owner prior to release of the signed Contract and commencement of work.

11.1.2 The Contractor shall purchase and maintain, with a company or companies licensed to do business in Indiana, such insurance as will protect him from claims set forth below, arising out of or resulting from the Contractor's operations under the Contract, whether such operations be by the Contractor or by any Subcontractor or by anyone directly or indirectly employed by any of them:

- A. claims under Workmen's Compensation Acts and other employee benefit acts;
- B. claims for damages because of bodily injury, personal injury, occupational sickness or disease, or death of his employees;
- C. claims for damages because of bodily injury, personal injury, sickness, disease or death of any person other than his employees;
- D. claims for damages to tangible property, including loss of use thereof.

11.1.3 This insurance shall be written for not less than any limits of liability specified herein, or required by law, whichever is greater. Policies or certificates of insurance, acceptable to the Owner, shall be filed with the Owner prior to execution of the Contract. These Certificates shall contain a provision that coverages afforded under the policies will be for the life of the Work.

11.1.4 Policies (certificates) shall show name and complete address of the Company, expiration date or dates, and policy number or numbers. Policies shall not be canceled until at least thirty (30) days prior written notice has been given to the Owner and acknowledged by the Owner in writing.

11.2 Property Insurance

11.2.1 The Contractor shall furnish and maintain, at the Contractor's expense, Fire, Extended Coverage, Vandalism, and Malicious Mischief Insurance (Builder's Risk), in the sum of 100% of the Contract amount. Builder's Risk insurance shall cover the structure on/in which the Work of this Contract is to be done including items of labor and material connected therewith, whether in or adjacent to the structure insured; material in place or to be used as part of the permanent construction, including surplus materials; shanties, protective fences, bridges, or temporary structures; miscellaneous materials and supplies incident to the Work; scaffolding, staging, towers, forms, and equipment, if included in the cost of the Work. This insurance need not cover any tools owned by mechanics, or any tools, equipment, scaffolding, staging, towers, and forms owned or rented by the Contractor, the capital value of which is not included in the cost of the Work.

11.2.3 Any loss under this Article 11.2 is to be adjusted with the Owner, and made payable to the Owner as trustee for the insured, as their interests may appear.

11.3 Liability Insurance

11.3.1 The Contractor and their subcontractors (if any) shall secure and keep in force during the term of this Contract the following insurance coverages (if applicable) covering the Contractor for any and all claims of any nature which may in any manner arise out of or result from Contractor's performance under this Contract:

- A. Commercial general liability, including contractual coverage, and products or completed operations coverage (if applicable), with minimum liability limits not less than \$700,000 per person and \$5,000,000 per occurrence unless additional coverage is required by the State. The State is to be named as an additional insured on a primary, non-contributory basis for any liability arising directly or indirectly under or in connection with this Contract.
- B. Automobile liability for owned, non-owned and hired autos with minimum liability limits of \$700,000 per person and \$5,000,000 per occurrence. The State is to be named as an additional insured on a primary, non-contributory basis.
- C. The Contractor shall provide proof of such insurance coverage by tendering to the undersigned State representative a certificate of insurance prior to the commencement of this Contract and proof of workers' compensation coverage meeting all statutory requirements of IC §22-3-2. In addition, proof of an "all states endorsement" covering claims occurring outside the State is required if any of the services provided under this Contract involve work outside of Indiana.
- D. The Contractor's insurance coverage must meet the following additional requirements:
 - 1. The insurer must have a certificate of authority or other appropriate authorization to operate in the state in which the policy was issued.
 - 2. Any deductible or self-insured retention amount or other similar obligation under the insurance policies shall be the sole obligation of the Contractor.
 - 3. The State will be defended, indemnified and held harmless to the full extent of any coverage actually secured by the Contractor in excess of the minimum requirements set forth above. The duty to indemnify the State under this Contract shall not be limited by the insurance required in this Contract.
 - 4. The insurance required in this Contract, through a policy or endorsement(s), shall include a provision that the policy and endorsements may not be canceled or modified without thirty (30) days' prior written notice to the undersigned State agency.
 - 5. The Contractor waives and agrees to require their insurer to waive their rights of subrogation against the State of Indiana.
- E. Failure to provide insurance as required in this Contract may be deemed a material breach of contract entitling the State to immediately terminate this Contract. The Contractor shall furnish a certificate of insurance and all endorsements to the State before the commencement of this Contract.
- F. Boiler and Machinery Explosion Insurance shall be required when the Work includes boiler, other pressure

vessels or steam piping installation or repair.

- G. After June 30, 2015, this entire Article will apply to any contractor that will be on the construction site pursuant to IC 5-16-13 and an acceptable certificate of insurance will be provided by each and every contractor

ARTICLE 12 CHANGES IN THE WORK

12.1 Change Orders

12.1.1 The Owner, without invalidating the Contract, may order changes in the Work consisting of additions, deletions, or modifications, with the Contract Sum and the Contract Time being adjusted accordingly. All such changes in the Work shall be authorized by Change Order, and shall be executed under the applicable conditions of the Contract Documents.

12.1.2 A Change Order is a written order to the Contractor compiled and reviewed by the Designer, prepared by the Owner and then signed by the Owner and the Contractor. The order is issued after the execution of the Contract authorizing a change in the Work, and documenting any adjustment in the Contract Sum and/or the Contract Time. The Contract Sum may be changed only by change order.

12.1.3 The value of any work involved in a change in the Work shall be determined in one or more of the following ways, in order of priority listed:

- A. by mutual acceptance of a lump sum. For all amounts over \$500, the Contractor shall provide a complete listing of quantities and unit prices of materials, hours of labor with cost per hour, and separate agreed percentages for any overhead and profit. The maximum aggregate increase for overhead and profit (including all home office and field office overhead) for any Subcontractor or for the Contractor performing his own work is fifteen (15%) percent; the maximum increase for a Contractor on work performed by a Subcontractor is five (5%) percent. If the cost of performance and payment bond(s) is shown as a separate line item in the Contractor's schedule of values for the project, then an increase will be permitted to provide for the additional cost of the bond(s). If the cost of the bond(s) is not indicated on the Contractor's schedule of values for the Project, any increase in cost for bond(s) shall be included in the Contractor's allowed overhead. For listings under \$500, list lump sum for each item, or,
- B. by unit prices named in the Contract or subsequently agreed upon, or,
- C. by cost plus a mutually acceptable fixed or percentage fee.

12.1.4 Should conditions be encountered below the surface of the ground that are:

- A. at variance with the conditions indicated by the Contract Documents, and
- B. different than could be expected after a reasonable viewing of the site by the bidders, and
- C. not evident from available soil samples,

then the Contract sum may be equitably adjusted by Change Order upon claim by Contractor made within a reasonable time after the first observance of the conditions.

12.1.5 If the Contractor claims that a written interpretation issued pursuant to Article 1.2 or a written order for a minor change issued pursuant to Article 12.3 involves additional cost or time, the Contractor shall make such claim as provided in Article 12.2.

12.2 Claims for Additional Cost or Time

12.2.1 If the Contractor wishes to make a claim under the provisions of the Contract Documents for an increase in the Contract Sum or an extension in the Contract Time, he shall give the Designer written notice thereof within fifteen (15) days after the occurrence of the event giving rise to such claim. This notice shall be given by the Contractor and authority received in writing from the Owner before proceeding to execute the Work, except in an emergency endangering life or property. No such claim shall be valid unless so made. Any approved change in the Contract Sum or Contract Time resulting from such claim shall be incorporated in a Change Order, initiated by the Designer and executed by the Owner. If the Designer does not initiate or the Owner execute a Change Order within a reasonable time in response to the request, such lack of action shall be construed as prima facie evidence of rejection of the request. For the purpose of this section "reasonable time" is expected not to exceed 30 days after receipt by the Owner.

12.3 Minor Changes in the Work

12.3.1 The Designer shall have authority, with Owner's approval, to order minor changes in the Work not involving an increase in the Contract Sum or an extension of the Contract Time and not inconsistent with the intent of the Contract Documents. Such change may be affected by written field order, with copy transmitted to the Owner. Such minor changes need not be approved in writing by the Owner; however, the Owner may provide written approval of any substitution of significant materials or equipment.

12.4 Field Orders

12.4.1 The Designer may issue written field orders, which interpret the Contract Documents in accordance with Article 1.2.4 without change in Contract Sum or Contract Time. The Contractor shall carry out such field orders promptly. The Designer shall

transmit copies of field orders to the Owner.

ARTICLE 13 EXAMINATION AND CORRECTION OF WORK

13.1 Examination of Work

13.1.1 If any portion of the Work should be covered contrary to the request of the Designer or to requirements specifically expressed in the Contract Documents, it must, if required in writing by the Designer, be uncovered for his observation and shall be replaced at the Contractor's expense.

13.1.2 Examination of questioned work may be ordered by the Designer with the approval of the Owner, and if so ordered the Work must be uncovered by the Contractor. If such work were found in accordance with the Contract Documents, the cost of re-examination and replacement shall, by appropriate change order, be charged to the Owner. If such work be found not in accordance with the Contract Documents, the Contractor shall pay such costs, unless it is found that the defect in the Work was caused by a separate Contractor employed as provided in Article 6 and in that event, the separate Contractor shall pay such costs.

13.2 Correction of Work before Substantial Completion

13.2.1 The Contractor shall promptly remove from the site all work rejected by the Designer as failing to conform to the Contract Documents, whether or not incorporated in the Project, and the Contractor shall promptly replace and re-execute his own work in accordance with the Contract Documents and without cost to the Owner and shall bear the cost of repair to or replacement of all work of separate Contractors destroyed or damaged by such removal or replacement.

13.2.2 If the Contractor does not remove such rejected work within a reasonable time, fixed by written notice from the Designer, the Owner may remove and store the material at the expense of the Contractor. If the Contractor does not agree to pay or credit the Contract with the cost of such removal within ten days thereafter, the Owner may acquire a lien upon such property and materials. If proceeds of lien foreclosure do not cover all costs, which the Owner has then borne, the difference shall be deducted from the amount to be paid to the Contractor.

13.3 Correction of Work after Substantial Completion

13.3.1 The Contractor shall correct all faults and deficiencies in the Work which appear within one year of the date of substantial completion or such longer period of time as may be prescribed by the terms of any special guarantees called for by the Contract Documents, and he shall pay for all damage to other work caused thereby. The Contractor shall remove all defective work where necessary.

13.3.2 If the Contractor does not correct such faulty or defective work and remove defective work where necessary, within a reasonable time fixed by the Designer in writing, the Owner may do the corrective work and remove the defective work, as described in Article 13.2 above.

13.3.3 All costs attributable to correcting and removing faulty or defective work shall be borne by the Contractor.

13.3.4 The obligations of the Contractor under this Article 13.3 shall be in addition to and not a limitation of any obligations imposed upon him by special guarantees called for by the Contract Documents or otherwise prescribed by law.

ARTICLE 14 TERMINATION OF THE CONTRACT

14.1 Termination by the Contractor

14.1.1 If the Work is stopped for a period of thirty days under an order of any court or other public authority through no act of fault of the Contractor or of anyone employed by the Contractor, or if the Work should be stopped for a period of thirty days by the Contractor for the Designer's failure to issue a Certificate for payment as provided in Article 9.6, or for the Owner's failure to make payment thereon as provided in said Article, then the Contractor may, upon seven days' written notice to the Owner and the Designer, terminate the Contract and recover from the Owner, in satisfaction of all claims of the Contractor, payment for all work executed, except those items involved in Designer's failure to issue Certificate, or Owner's failure to make payment.

14.2 Termination by the Owner

14.2.1 If the Contractor should be adjudged bankrupt, or if he should make a general assignment for the benefit of his creditors, or if a receiver should be appointed on account of his insolvency, or if he should persistently or repeatedly refuse or should fail, except in cases for which extension of time is provided, to supply enough properly skilled workmen or proper materials, or if he should fail to make prompt payment to Subcontractors for materials or labor, or persistently disregard laws, ordinances, rules, regulations or orders of any public authority or otherwise be guilty of a substantial violation of a provision of the Contract Documents, then the Owner, upon certification by the Designer that sufficient cause exists to justify such action, may without prejudice to any right or remedy against the Contractor or his surety and after giving the Contractor and his surety seven days written notice, terminate the employment of the Contractor and take possession of the site and of all materials, equipment, tools, and construction equipment and machinery thereon owned by the Contractor and finish the Work by whatever method the Owner

deems expedient. In such case the Contractor shall not be entitled to receive any further payment until the Work is completed, and an accounting made as set out below.

14.2.2 If the unpaid balance of the Contract sum exceeds the cost of finishing the Work, including compensation for the Designer's additional services such excess shall be paid to the Contractor. If such cost exceeds such unpaid balance, the Contractor shall pay the difference to the Owner. The Designer shall certify the cost incurred by the Owner as herein provided.

END

Indiana Department of Administration MBE/WBE and IVOSB Participation Policy for Public Works Projects

I. Introduction

The Indiana Department of Administration (“IDOA”) in its commitment to Minority, Women’s and Indiana Veteran Owned Small Business participation in the state’s procurement and contracting process, expects MBE, WBE and IVOSB participation in bids for construction services \$150,000 and over with subcontracting opportunities.

II. Definitions

“Certification for MBE and WBE” means certification by the Indiana Department of Administration, Minority and Women's Business Enterprises Division. (“MWBED”).

“Certification for IVOSB” means certification by the Indiana Department of Administration.

“Commercially useful function” Determination that an enterprise performs a commercially useful function will be made based on the following considerations:

- (1) An MBE or a WBE performs a commercially useful function when it is responsible for execution of the work of the contract and is carrying out its responsibilities by actually performing, managing, and supervising the work involved. To perform a commercially useful function, the MBE or WBE must also be responsible, with respect to materials and supplies used on the contract, for negotiating price, determining quality and quantity, ordering the material, and installing (where applicable) and paying for the material itself. To determine whether an MBE or a WBE is performing a commercially useful function, one must evaluate the following:
 - (A) The amount of work subcontracted.
 - (B) Industry practices.
 - (C) Whether the amount the enterprise is to be paid under the contract is commensurate with the work it is actually performing.
 - (D) The credit claimed for its performance of the work.
 - (E) Other relevant factors.
- (2) An MBE or a WBE does not perform a commercially useful function if its role is limited to that of an extra participant in a transaction, contract, or project through which funds are passed in order to obtain the appearance of MBE or WBE participation. In determining whether an MBE or a WBE is such an extra participant, one must examine similar transactions, particularly those in which MBEs or WBEs do not participate.
- (3) In the case of construction contracts, if:
 - (A) an MBE or a WBE does not perform or exercise responsibility for at least the agency’s requisite percent of the total cost of its contract with its own workforce; or
 - (B) the MBE or WBE subcontracts a greater portion of the work of a contract than would be expected on the basis of normal industry practice for the type of work involved;it is presumed that the enterprise is not performing a commercially useful function.
- (4) IVOSB contractors and suppliers must perform a commercially useful function. A commercially useful function is generally deemed to be when an IVOSB contractor or supplier is responsible for execution of the work of the contract and is carrying out its responsibilities by actually performing, managing, and supervising the work involved. To perform a commercially

useful function, an IVOSB contractor or supplier must also be responsible, with respect to materials and supplies used on the contract, for negotiating price, determining quality and quantity, ordering the material, and installing (where applicable) and paying for the material itself. An IVOSB contractor or supplier does not perform a commercially useful function if its role is limited to that of an extra participant in a transaction, contract, or project through which funds are passed in order to obtain the appearance of IVOSB participation.

“Letter of Commitment” means a letter obtained from the MBE, WBE and IVOSB by the Bidders. The Letter of Commitment is a signed letter(s), on company letterhead, from the minority, women’s and/or Indiana Veteran Owned certified business. It must be produced no later than 24 hours after the bid due date and time. This letter(s) shall state and will serve as acknowledgement from the minority, women and/or Indiana Veteran Owned certified business of their level of participation in this solicitation, the dollar amount of the commitment, the scope of service or product to be provided and the anticipated dates of utilization.

“Minority and Women Business Enterprises Division (MWBED)” means the Division which acts on behalf of the State to actively promote, monitor, and enforce the MBE and WBE program. MWBED is the final authority on all matters pertaining to the maintenance and administration of the MBE and WBE program and compliance thereto.

“Minority Business Enterprise (MBE) and Women’s Business Enterprise (WBE)” means a business concern which is certified as at least fifty-one percent (51%) owned and controlled by a woman or women or one or more of the individuals classified as a minority group which includes: African Americans, Hispanic Americans, Asian Americans, American Indians and other racial minorities. The MBE and WBE must meet the eligibility requirements of 25 IAC 5.

“Indiana Veteran Owned Small Business Enterprise (IVOSB)” means an Indiana business which is certified as at least fifty-one percent (51%) owned and controlled by a veteran.

“Participation Plan” means the IDOA prescribed document that sets forth the MBE, WBE and IVOSB subcontractors that will perform work under the contract.

III. Minority and Women Business Enterprise Certification

MBE and WBEs must be listed on the IDOA directory of certified firms at the time the bid is submitted to be eligible to meet the contract goals. The bidder should verify that a firm is certified before the bid is submitted.

Questions regarding Certification should be addressed to the following:

Indiana Department of Administration
Minority and Women's Business Enterprises Division
402 West Washington Street, Room W469
Indianapolis, IN 46204
(317) 232-3061
mwbe@idoa.in.gov

IV. Indiana Veteran Owned Small Business Enterprise

IVOSBs must be listed on the IDOA directory of certified firms at the time the bid is submitted to be eligible to meet the contract goals. The bidder should verify that a firm is certified before the bid is submitted.

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Questions regarding Certification should be addressed to the following:

Indiana Department of Administration
402 W. Washington St., Room W478
Indianapolis, IN 46204
(317) 233-1494
Indianaveteranspreference@idoa.in.gov

V. Bidding Process

IDOA will review projects for viable subcontracting opportunities. All projects will be governed by this policy unless otherwise stated.

A representative from MWBED may attend most pre-bid meetings to discuss and answer questions related to the MBE, WBE and IVOSB participation goals. The MWBED will be available to assist Bidders in locating MBE, WBE or IVOSB firms to engage in the contract.

The 2018-2019 Contract Goals for construction projects are 7% for MBE's, 5% for WBE's and 3% for IVOSBs.

The following procedures will be implemented in the acceptance and evaluation of responsive and responsible bids.

Bidders are expected to submit a Participation Plan on the approved form listing the utilization of MBE, WBE and IVOSB subcontractors who will be providing a commercially useful function on the project and a Letter of Commitment from MBE, WBE and IVOSB firms they plan to engage in the contract, if successful on the bid.

By submission of a bid, a bidder thereby acknowledges and agrees to be bound by the regulatory process set forth in 25 IAC 5.

A bidder who knowingly or intentionally misrepresents the truth about either the status of a firm that is being proposed as an MBE and WBE or who misrepresents the level of the nature of the amount to be subcontracted to the MBE and WBE may suffer penalties pursuant to Indiana Code 5-16-6.5-5.

A Contractor who knowingly or intentionally misrepresents the truth about his/her status as an MBE and WBE or who misrepresents the level or the nature of the amount subcontracted to his/her firm may suffer penalties pursuant to Indiana Code 35-44.1-2-1.

VI. Compliance

Contractors shall contract with all MBE, WBE and IVOSB firms listed on the Participation Plan. The subcontract or purchase order shall be for an amount that is equal to, or greater than, the total dollar amount listed on the form.

Contractors shall notify MWBED immediately if any firm listed on the Participation Plan refuses to enter into a subcontract or fails to perform according to the requirements of the subcontract.

The Contractor's proposed MBE, WBE and IVOSB Contract Goals will become incorporated into and a requirement of the Contract. Contractors shall not substitute, replace or terminate any MBE, WBE and IVOSB firm without prior written authorization from MWBED and the Owner.

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Contractors shall cooperate and participate in compliance reviews as determined necessary by MWBED. Contractors shall provide all necessary documentation to show proof of compliance with the requirements as requested by MWBED.

VII. Non Compliance

When a Respondent submits a Minority, Women and Indiana Veteran Owned Business Enterprises Participation Plan in accordance with IC 4-13-16.5, 25 IAC 5 and 25 IAC 9, (the "Plan"), Respondent will be held to those commitments.

After the bid is awarded, and if it is determined by MWBED that the Contractor is not in compliance with its Participation Plan, MWBED will notify the Contractor within ten (10) days after the initial compliance review or the site visit and will identify the deficiencies found and the required corrective action that should be taken to remedy the deficiencies within a specific time period.

If a Contractor is found non-compliant, the Contractor must submit, in writing, a specific commitment, in writing, to correct the deficiencies. The commitment must include the precise action to be taken and the date for completion.

If MWBED determines the Contractor has failed to comply with the provisions of this Participation Program, Contractor's Utilization Statement, 25 IAC 5, or 25 IAC 9, IDOA may impose any or all of the following sanctions:

- a. Withholding payment on the Contract until such time that satisfactory corrective measures are made.
- b. Adjustment to payments due or the permanent withholding of retainages of the Contract.
- c. Suspension or termination of the specific Contract in which the deficiency is known to exist. In the event this sanction is employed, the Contractor will be held liable for any consequential damages arising from the suspension or termination of the Contract, including damages caused as a result of the delay or from increased prices incurred in securing the performance of the balance of the work by other Contractors.
- d. Recommendation to the certification board to revoke the contractor's certification status with the Public Works Division of IDOA. This recommendation may result in the suspension or revocation of the contractor's ability to perform on future state contracts for a period no longer than thirty-six (36) months.
- e. Continued non-compliance may be deemed a material breach of the agreement between MWBED and Contractor, whereupon MWBED shall have all the rights and remedies available to it under the Contract or at law.
- f. Suspension, revocation, or denial of the MBE, WBE or IVOSB certification and eligibility to participate in the MBE, WBE or IVOSB program for a period of not more than thirty-six (36) months.

VIII. Forms and Attachments

Minority, Women's and Indiana Veteran Owned Business Enterprises Participation Plan

**STATE OF INDIANA'S
STANDARD CONTRACT FOR PUBLIC WORKS CONSTRUCTION PROJECT
(For projects estimated more than \$150,000)**

**WORKS PROJECT NUMBER XXXXX
PROJECT DESCRIPTION XXXXX
INSTITUTION/DEPARTMENT XXXXX**

THIS PUBLIC WORKS CONSTRUCTION CONTRACT (“Contract”), entered into by and between the Indiana Department of Administration’s Public Works Division (“State”) and XXXXXXXXXXXX (“Contractor”), is executed pursuant to the terms and conditions set forth herein and is governed by Indiana Code 4-13.6, *et seq.* In consideration of those mutual undertakings and covenants, the parties agree as follows:

1. Definitions. The following definition of “Contract Documents” applies throughout this Contract for the State’s Public Works Project Number XXXXX (“Project”).

The term “Contract Documents” shall mean and include the following: this Contract and the Project Bid Package, which includes the Contractor’s Application for Pre-Qualification, the Public Work’s Solicitation for Quotation (DAPW 30), Bid Documentation, Pre-Contract Document, General Conditions (DAPW 26), Supplementary Conditions, Instructions to Bidders, Drawings, Specifications, and Addenda issued by the State in connection with the Project and prior to the submission of the Contractor’s Proposal.

Subject to Section 40, *Order of Precedence, Incorporation by Reference*, of this Contract, Contract Documents shall also consist of the Contractor’s Proposal and Response, as well as any other documentation submitted by it in response to the Project (hereinafter collectively referred to as “Contractor’s Proposal”).

Additionally, Contract Documents shall include any subsequent amendments, change orders and any written interpretations issued as field orders by the Designer pursuant to General Conditions, Article 1.2 (DAPW 26) and all field orders for minor changes by the Designer pursuant to General Conditions, Article 12.3 (DAPW 26). Change orders and amendments shall be executed in the manner authorized by Section 36, *Merger and Modification*, of this Contract.

When applicable, Contract Documents shall include the Performance Bond and/or the Labor and Materials Payment Bond, as required by IC 4-13.6-7-6 and IC 4-13.6-7-7, and fully described and captured in the General Conditions (DAPW 26).

The Contract Documents are specifically and collectively incorporated herein by reference.

2. Duties of Contractor. The Contractor shall furnish all labor and materials, perform all of the work, and otherwise fulfill all of its obligations in conformance with the Contract Documents. These duties are described and captured in the Contract Documents. The Contractor agrees that not less than fifteen percent (15%) of the work, measured in dollar volume, will be performed by its own forces. Any subcontractor employed for any part of this Contract awarded in excess of One Hundred Fifty Thousand Dollars (\$150,000.00) shall be qualified with the State of Indiana’s Public Works Division Certification Board and shall have a valid Certificate of Qualification in the prime classification of work for this Contract.

3. Consideration. All payments provided herein are subject to appropriations made and funds allocated as provided by laws of the State of Indiana. The State shall pay the Contractor for performance of this Contract in current funds as follows:

BASE BID: **\$XXXXXX.00**
ALTERNATE(S):
TOTAL CONTRACT PRICE: **\$XXXXXX.00**

4. Term. The work to be performed under this Contract shall commence within ten (10) calendar days of the last signatory to this Contract. The work shall be completed within XXX calendar days.

5. Conflict of Interest. As used in this section:

“Immediate family” means the spouse, partner, housemate or the unemancipated children of an individual, as defined by 42 Indiana Administrative Code 1-3-13.

“Interested party,” means:

1. The individual executing this Contract;
2. An individual who has an ownership interest of three percent (3%) or more of the Contractor, if the Contractor is not an individual; or
3. Any member of the immediate family of an individual specified under Subdivision 1 or 2.

“State” means the Indiana Department of Administration.

“State employee” means a state employee, a special state appointee or a state officer, as defined by IC 4-2-6-1(a)(9), (a)(18) and (a)(19), respectively.

- A. The Contractor covenants that it neither has, nor will it have, a direct or indirect financial interest by way of an interested party in any other contract connected or associated with this Contract. The Contractor further represents and warrants that no state employee, who is an interested party of the Contractor as sole proprietor, or who serves as an officer, director, trustee, partner or employee of the Contractor as a legal business entity, participated in any decision or vote of any kind in the award of this Contract. As such and by the execution of this Contract, the Contractor represents and warrants that the result of this Contract does not and will not create a conflict of interest under IC 4-2-6-9 or IC 4-2-6-10.5.
- B. The State may cancel this Contract, without recourse by the Contractor, if an interested party is a state employee and a violation of IC 4-2-6-9 or IC 4-2-6-10.5 has occurred.
- C. The State will not exercise its right of cancellation under Section B above, if the Contractor provides the State an opinion from the State Ethics Commission indicating that the existence of this Contract and the employment by the State of the interested party does not violate any statute or rule relating to ethical conduct of state employees. The State may take action, including cancellation of this Contract, consistent with an opinion of the State Ethics Commission obtained under this Section.
- D. The Contractor has an affirmative obligation under this Contract to disclose to the State when an interested party is or becomes a state employee. The obligation under this section extends only to those facts that the Contractor knows or reasonably should know.

6. Licensing Standards. The Contractor and its employees and subcontractors shall comply with all applicable licensing standards, certification standards, accrediting standards and any other laws, rules or regulations governing services to be provided by the Contractor pursuant to this Contract. The State shall not be required to pay the Contractor for any services performed when the Contractor, its employees or subcontractors are not in compliance with such applicable standards, laws, rules or regulations. If licensure, certification or accreditation expires or is revoked, or if disciplinary action is taken against the applicable licensure, certification or accreditation, the Contractor shall notify the State immediately and the State, at its option, may immediately terminate this Contract.

7. Escrow Agreement. Contemporaneously with the execution of this Contract, the parties may provide for the escrow of retained portions of payments to the Contractor by entering into a separate Escrow Agreement, pursuant to IC 4-13.6-7, with an escrow agent described in IC 4-13.6-7-2(b). Should the Contractor elect to escrow retainage, the Escrow Agreement will become a part of this contract as if fully contained herein.

8. Contractor's Certification. The Contractor certifies that it has been pre-qualified by the State of Indiana's Public Works Division Certification Board to perform the work and furnish the services required by this Project. The Contractor further certifies that all information and documentation submitted by it in its Application for Prequalification Certification, the Contractor's Proposal and submitted in response to the Project, is true, accurate and complete as of the date of this Contract's effectiveness. The Contractor shall immediately notify the State of any material change to such information. The Contractor shall immediately notify the State if, during the course of performance of this Contract, it or any of its principals are proposed for debarment or ineligibility, or become debarred or declared ineligible, from entering into contracts with the federal government or any department, agency or political subdivision of the State.

9. Contractor Employee Drug Testing. Pursuant to IC 4-13-18, the Contractor shall implement the employee drug testing program submitted as part of its Contractor's Proposal. The State may cancel this Contract if it determines that the Contractor:

- A. Has failed to implement its employee drug testing program during the term of this Contract;
- B. Has failed to provide information regarding implementation of the Contractor's employee drug testing program at the request of the State; or
- C. Has provided to the State false information regarding the Contractor's employee drug testing program.

10. Access to Records. The Contractor and its subcontractors, if any, shall maintain all books, documents, papers, accounting records, and other evidence pertaining to all costs incurred under this Contract. They shall make such materials available at their respective offices at all reasonable times during this Contract, and for three (3) years from the date of final payment under this Contract, for inspection by the State or its authorized designees. Copies shall be furnished at no cost to the State if requested.

11. Assignment; Successors.

A. The Contractor binds its successors and assignees to all the terms and conditions of this Contract. The Contractor may assign its right to receive payments to such third parties as the Contractor may desire without the prior written consent of the State, provided that the Contractor gives written notice (including evidence of such assignment) to the State thirty (30) days in advance of any payment so assigned. The

assignment shall cover all unpaid amounts under this Contract and shall not be made to more than one party.

B. The Contractor shall not assign or subcontract the whole or any part of this Contract without the State's prior written consent. Additionally, the Contractor shall provide prompt written notice to the State of any change in the Contractor's legal name or legal status so that the changes may be documented and payments to the successor entity may be made.

12. Assignment of Antitrust Claims. As part of the consideration for the award of this Contract, the Contractor assigns to the State all right, title and interest in and to any claims the Contractor now has, or may acquire, under state or federal antitrust laws relating to the products or services which are the subject of this Contract.

13. Audits. The Contractor acknowledges that it may be required to submit to an audit of funds paid through this Contract. Any such audit shall be conducted in accordance with IC § 5-11-1, *et seq.*, and audit guidelines specified by the State.

The State considers the Contractor to be a "Contractor" under 2 C.F.R. 200.330 for purposes of this Contract. However, if it is determined that the Contractor is a "subrecipient" and if required by applicable provisions of 2 C.F.R. 200 (Uniform Administrative Requirements, Cost Principles, and Audit Requirements), Contractor shall arrange for a financial and compliance audit, which complies with 2 C.F.R. 200.500 *et seq.*

14. Authority to Bind Contractor. The signatory for the Contractor represents that he/she has been duly authorized to execute this Contract on behalf of the Contractor and has obtained all necessary or applicable approvals to make this Contract fully binding upon the Contractor when his/her signature is affixed, and accepted by the State.

15. Changes in Work. The Contractor shall not commence any additional work or change the scope of the work until authorized in writing by the State. The Contractor shall make no claim for additional compensation in the absence of a prior written approval and amendment executed by all signatories hereto. This Contract may only be amended, supplemented or modified by a written document executed in the same manner as this Contract.

16. Compliance with Laws.

A. The Contractor shall comply with all applicable federal, state, and local laws, rules, regulations, and ordinances, and all provisions required thereby to be included herein are hereby incorporated by reference. The enactment or modification of any applicable state or federal statute or the promulgation of rules or regulations thereunder after execution of this Contract shall be reviewed by the State and the Contractor to determine whether the provisions of this Contract require formal modification.

B. The Contractor and its agents shall abide by all ethical requirements that apply to persons who have a business relationship with the State as set forth in IC § 4-2-6, *et seq.*, IC § 4-2-7, *et seq.* and the regulations promulgated thereunder. **If the Contractor has knowledge, or would have acquired knowledge with reasonable inquiry, that a state officer, employee, or special state appointee, as those terms are defined in IC § 4-2-6-1, has a financial interest in the Contract, the Contractor shall ensure compliance with the disclosure requirements in IC § 4-2-6-10.5 prior to the execution of this Contract.** If the Contractor is not familiar with these ethical requirements, the Contractor should refer any questions to the Indiana State Ethics Commission, or visit the Inspector General's website at

<http://www.in.gov/ig/>. If the Contractor or its agents violate any applicable ethical standards, the State may, in its sole discretion, terminate this Contract immediately upon notice to the Contractor. In addition, the Contractor may be subject to penalties under IC §§ 4-2-6, 4-2-7, 35-44.1-1-4, and under any other applicable laws.

C. The Contractor certifies by entering into this Contract that neither it nor its principal(s) is presently in arrears in payment of taxes, permit fees or other statutory, regulatory or judicially required payments to the State of Indiana. The Contractor agrees that any payments currently due to the State of Indiana may be withheld from payments due to the Contractor. Additionally, further work or payments may be withheld, delayed, or denied and/or this Contract suspended until the Contractor is current in its payments and has submitted proof of such payment to the State.

D. The Contractor warrants that it has no current, pending or outstanding criminal, civil, or enforcement actions initiated by the State, and agrees that it will immediately notify the State of any such actions. During the term of such actions, the Contractor agrees that the State may delay, withhold, or deny work under any supplement, amendment, change order or other contractual device issued pursuant to this Contract.

E. If a valid dispute exists as to the Contractor's liability or guilt in any action initiated by the State or its agencies, and the State decides to delay, withhold, or deny work to the Contractor, the Contractor may request that it be allowed to continue, or receive work, without delay. The Contractor must submit, in writing, a request for review to the Indiana Department of Administration (IDO) following the procedures for disputes outlined herein. A determination by IDO shall be binding on the parties. Any payments that the State may delay, withhold, deny, or apply under this section shall not be subject to penalty or interest, except as permitted by IC § 5-17-5.

F. The Contractor warrants that the Contractor and its subcontractors, if any, shall obtain and maintain all required permits, licenses, registrations, and approvals, and shall comply with all health, safety, and environmental statutes, rules, or regulations in the performance of work activities for the State. Failure to do so may be deemed a material breach of this Contract and grounds for immediate termination and denial of further work with the State.

G. The Contractor affirms that, if it is an entity described in IC Title 23, it is properly registered and owes no outstanding reports to the Indiana Secretary of State.

H. As required by IC § 5-22-3-7:

(1) The Contractor and any principals of the Contractor certify that:

(A) the Contractor, except for de minimis and nonsystematic violations, has not violated the terms of:

(i) IC §24-4.7 [Telephone Solicitation Of Consumers];

(ii) IC §24-5-12 [Telephone Solicitations]; or

(iii) IC §24-5-14 [Regulation of Automatic Dialing Machines];

in the previous three hundred sixty-five (365) days, even if IC § 24-4.7 is preempted by federal law; and

(B) the Contractor will not violate the terms of IC § 24-4.7 for the duration of the Contract, even if IC §24-4.7 is preempted by federal law.

(2) The Contractor and any principals of the Contractor certify that an affiliate or principal of the Contractor and any agent acting on behalf of the Contractor or on behalf of an

affiliate or principal of the Contractor, except for de minimis and nonsystematic violations,

(A) has not violated the terms of IC § 24-4.7 in the previous three hundred sixty-five (365) days, even if IC §24-4.7 is preempted by federal law; and

(B) will not violate the terms of IC § 24-4.7 for the duration of the Contract, even if IC §24-4.7 is preempted by federal law.

17. Condition of Payment. All services provided by the Contractor under this Contract must be performed to the State's reasonable satisfaction, as determined at the discretion of the undersigned State representative and in accordance with all applicable federal, state, local laws, ordinances, rules and regulations. The State shall not be required to pay for work found to be unsatisfactory, inconsistent with this Contract or performed in violation of and federal, state or local statute, ordinance, rule or regulation.

18. Confidentiality of State Information. The Contractor understands and agrees that data, materials, and information disclosed to the Contractor may contain confidential and protected information. The Contractor covenants that data, material, and information gathered, based upon or disclosed to the Contractor for the purpose of this Contract will not be disclosed to or discussed with third parties without the prior written consent of the State.

The parties acknowledge that the services to be performed by Contractor for the State under this Contract may require or allow access to data, materials, and information containing Social Security numbers maintained by the State in its computer system or other records. In addition to the covenant made above in this section and pursuant to 10 IAC 5-3-1(4), the Contractor and the State agree to comply with the provisions of IC § 4-1-10 and IC § 4-1-11. If any Social Security number(s) is/are disclosed by Contractor, Contractor agrees to pay the cost of the notice of disclosure of a breach of the security of the system in addition to any other claims and expenses for which it is liable under the terms of this contract.

19. Continuity of Services.

A. The Contractor recognizes that the service(s) to be performed under this Contract are vital to the State and must be continued without interruption and that, upon Contract expiration, a successor, either the State or another contractor, may continue them. The Contractor agrees to:

1. Furnish phase-in training; and
2. Exercise its best efforts and cooperation to effect an orderly and efficient transition to a successor.

B. The Contractor shall, upon the State's written notice:

1. Furnish phase-in, phase-out services for up to sixty (60) days after this Contract expires; and
2. Negotiate in good faith a plan with a successor to determine the nature and extent of phase-in, phase-out services required. The plan shall specify a training program and a date for transferring responsibilities for each division of work described in the plan, and shall be subject to the State's approval. The Contractor shall provide sufficient experienced personnel during the phase-in, phase-out period to ensure that the services called for by this Contract are maintained at the required level of proficiency.

C. The Contractor shall allow as many personnel as practicable to remain on the job to help the successor maintain the continuity and consistency of the services required by this Contract. The Contractor also shall disclose necessary personnel records and allow the successor to conduct on-site interviews with

these employees. If selected employees are agreeable to the change, the Contractor shall release them at a mutually agreeable date and negotiate transfer of their earned fringe benefits to the successor.

D. The Contractor shall be reimbursed for all reasonable phase-in, phase-out costs (i.e., costs incurred within the agreed period after contract expiration that result from phase-in, phase-out operations).

20. Debarment and Suspension.

A. The Contractor certifies by entering into this Contract that neither it nor its principals nor any of its subcontractors are presently debarred, suspended, proposed for debarment, declared ineligible or voluntarily excluded from entering into this Contract by any federal agency or by any department, agency or political subdivision of the State of Indiana. The term "principal" for purposes of this Contract means an officer, director, owner, partner, key employee or other person with primary management or supervisory responsibilities, or a person who has a critical influence on or substantive control over the operations of the Contractor.

B. The Contractor certifies that it has verified the state and federal suspension and debarment status for all subcontractors receiving funds under this Contract and shall be solely responsible for any recoupment, penalties or costs that might arise from use of a suspended or debarred subcontractor. The Contractor shall immediately notify the State if any subcontractor becomes debarred or suspended, and shall, at the State's request, take all steps required by the State to terminate its contractual relationship with the subcontractor for work to be performed under this Contract.

21. Default by State. If the State, sixty (60) days after receipt of written notice, fails to correct or cure any material breach of this Contract, the Contractor may cancel and terminate this Contract and institute measures to collect monies due up to and including the date of termination.

22. Disputes.

A. Should any disputes arise with respect to this Contract, the Contractor and the State agree to act immediately to resolve such disputes. Time is of the essence in the resolution of disputes.

B. The Contractor agrees that, the existence of a dispute notwithstanding, it will continue without delay to carry out all of its responsibilities under this Contract that are not affected by the dispute. Should the Contractor fail to continue to perform its responsibilities regarding all non-disputed work, without delay, any additional costs incurred by the State or the Contractor as a result of such failure to proceed shall be borne by the Contractor, and the Contractor shall make no claim against the State for such costs.

C. If the parties are unable to resolve a contract dispute between them after good faith attempts to do so, a dissatisfied party shall submit the dispute to the Commissioner of the Indiana Department of Administration for resolution. The dissatisfied party shall give written notice to the Commissioner and the other party. The notice shall include: (1) a description of the disputed issues, (2) the efforts made to resolve the dispute, and (3) a proposed resolution. The Commissioner shall promptly issue a Notice setting out documents and materials to be submitted to the Commissioner in order to resolve the dispute; the Notice may also afford the parties the opportunity to make presentations and enter into further negotiations. Within thirty (30) business days of the conclusion of the final presentations, the Commissioner shall issue a written decision and furnish it to both parties. The Commissioner's decision shall be the final and conclusive administrative decision unless either party serves on the Commissioner and the other party, within ten (10) business days after receipt of the Commissioner's decision, a written request for reconsideration and modification of the written decision. If the Commissioner does not modify

the written decision within thirty (30) business days, either party may take such other action helpful to resolving the dispute, including submitting the dispute to an Indiana court of competent jurisdiction. If the parties accept the Commissioner's decision, it may be memorialized as a written Amendment to this Contract if appropriate.

D. The State may withhold payments on disputed items pending resolution of the dispute. The unintentional nonpayment by the State to the Contractor of one or more invoices not in dispute in accordance with the terms of this Contract will not be cause for the Contractor to terminate this Contract, and the Contractor may bring suit to collect these amounts without following the disputes procedure contained herein.

E. With the written approval of the Commissioner of the Indiana Department of Administration, the parties may agree to forego the process described in subdivision C. relating to submission of the dispute to the Commissioner.

F. This paragraph shall not be construed to abrogate provisions of IC § 4-6-2-11 in situations where dispute resolution efforts lead to a compromise of claims in favor of the State as described in that statute. In particular, releases or settlement agreements involving releases of legal claims or potential legal claims of the state should be processed consistent with IC § 4-6-2-11, which requires approval of the Governor and Attorney General.

23. Drug-Free Workplace Certification. As required by Executive Order No. 90-5 dated April 12, 1990, issued by the Governor of Indiana, the Contractor hereby covenants and agrees to make a good faith effort to provide and maintain a drug-free workplace. The Contractor will give written notice to the State within ten (10) days after receiving actual notice that the Contractor, or an employee of the Contractor in the State of Indiana, has been convicted of a criminal drug violation occurring in the workplace. False certification or violation of this certification may result in sanctions including, but not limited to, suspension of contract payments, termination of this Contract and/or debarment of contracting opportunities with the State for up to three (3) years.

In addition to the provisions of the above paragraph, if the total amount set forth in this Contract is in excess of \$25,000.00, the Contractor certifies and agrees that it will provide a drug-free workplace by:

- A. Publishing and providing to all of its employees a statement notifying them that the unlawful manufacture, distribution, dispensing, possession or use of a controlled substance is prohibited in the Contractor's workplace, and specifying the actions that will be taken against employees for violations of such prohibition;
- B. Establishing a drug-free awareness program to inform its employees of (1) the dangers of drug abuse in the workplace; (2) the Contractor's policy of maintaining a drug-free workplace; (3) any available drug counseling, rehabilitation and employee assistance programs; and (4) the penalties that may be imposed upon an employee for drug abuse violations occurring in the workplace;
- C. Notifying all employees in the statement required by subparagraph (A) above that as a condition of continued employment, the employee will (1) abide by the terms of the statement; and (2) notify the Contractor of any criminal drug statute conviction for a violation occurring in the workplace no later than five (5) days after such conviction;

- D. Notifying the State in writing within ten (10) days after receiving notice from an employee under subdivision (C)(2) above, or otherwise receiving actual notice of such conviction;
- E. Within thirty (30) days after receiving notice under subdivision (C)(2) above of a conviction, imposing the following sanctions or remedial measures on any employee who is convicted of drug abuse violations occurring in the workplace: (1) taking appropriate personnel action against the employee, up to and including termination; or (2) requiring such employee to satisfactorily participate in a drug abuse assistance or rehabilitation program approved for such purposes by a federal, state or local health, law enforcement, or other appropriate agency; and
- F. Making a good faith effort to maintain a drug-free workplace through the implementation of subparagraphs (A) through (E) above.

24. Employment Eligibility Verification As required by IC § 22-5-1.7, the Contractor swears or affirms under the penalties of perjury that the Contractor does not knowingly employ an unauthorized alien. The Contractor further agrees that:

A. The Contractor shall enroll in and verify the work eligibility status of all his/her/its newly hired employees through the E-Verify program as defined in IC § 22-5-1.7-3. The Contractor is not required to participate should the E-Verify program cease to exist. Additionally, the Contractor is not required to participate if the Contractor is self-employed and does not employ any employees.

B. The Contractor shall not knowingly employ or contract with an unauthorized alien. The Contractor shall not retain an employee or contract with a person that the Contractor subsequently learns is an unauthorized alien.

C. The Contractor shall require his/her/its subcontractors, who perform work under this Contract, to certify to the Contractor that the subcontractor does not knowingly employ or contract with an unauthorized alien and that the subcontractor has enrolled and is participating in the E-Verify program. The Contractor agrees to maintain this certification throughout the duration of the term of a contract with a subcontractor.

The State may terminate for default if the Contractor fails to cure a breach of this provision no later than thirty (30) days after being notified by the State.

25. Employment Option. If the State determines that it would be in the State's best interest to hire an employee of the Contractor, the Contractor will release the selected employee from any non-competition agreements that may be in effect. This release will be at no cost to the State or the employee.

26. Force Majeure. In the event that either party is unable to perform any of its obligations under this Contract or to enjoy any of its benefits because of natural disaster or decrees of governmental bodies not the fault of the affected party (hereinafter referred to as a "Force Majeure Event"), the party who has been so affected shall immediately give notice to the other party and shall do everything possible to resume performance. Upon receipt of such notice, all obligations under this Contract shall be immediately suspended. If the period of nonperformance exceeds thirty (30) days from the receipt of notice of the Force Majeure Event, the party whose ability to perform has not been so affected may, by giving written notice, terminate this Contract.

27. Funding Cancellation. As required by Financial Management Circular 2007-1 and IC § 5-22-17-5, when the Director of the State Budget Agency makes a written determination that funds are not appropriated or otherwise available to support continuation of performance of this Contract, this Contract shall be canceled. A determination by the Director of State Budget Agency that funds are not appropriated or otherwise available to support continuation of performance shall be final and conclusive.

28. Governing Law. This Contract shall be governed, construed, and enforced in accordance with the laws of the State of Indiana, without regard to its conflict of laws rules. Suit, if any, must be brought in the State of Indiana.

29. HIPAA Compliance. If this Contract involves services, activities or products subject to the Health Insurance Portability and Accountability Act of 1996 (HIPAA), the Contractor covenants that it will appropriately safeguard Protected Health Information (defined in 45 CFR 160.103), and agrees that it is subject to, and shall comply with, the provisions of 45 CFR 164 Subpart E regarding use and disclosure of Protected Health Information.

30. Indemnification. The Contractor agrees to indemnify, defend, and hold harmless the State, its agents, officials, and employees from all claims and suits including court costs, attorney’s fees, and other expenses caused by any act or omission of the Contractor and/or its subcontractors, if any, in the performance of this Contract. The State shall not provide such indemnification to the Contractor.

31. Independent Contractor; Workers’ Compensation Insurance. The Contractor is performing as an independent entity under this Contract. No part of this Contract shall be construed to represent the creation of an employment, agency, partnership or joint venture agreement between the parties. Neither party will assume liability for any injury (including death) to any persons, or damage to any property, arising out of the acts or omissions of the agents, employees or subcontractors of the other party. The Contractor shall provide all necessary unemployment and workers’ compensation insurance for the Contractor’s employees, and shall provide the State with a Certificate of Insurance evidencing such coverage prior to starting work under this Contract.

32. Indiana Veteran Owned Small Business Enterprise Compliance. Award of this Contract was based, in part, on the Indiana Veteran Owned Small Business Enterprise (“IVOSB”) participation plan, as detailed in the IVOSB Subcontractor Commitment Form, commonly referred to as “Attachment A-1” in the procurement documentation and incorporated by reference herein. Therefore, any changes to this information during the Contract term must be approved by IDOA’s IVOSB Division (“IVOSB Division”) and may require an amendment. It is the State’s expectation that the Contractor will meet the subcontractor commitments during the Contract term. The following certified IVOSB subcontractor(s) will be participating in this Contract: **[Add additional IVOSBs using the same format.]**

IVOSB	COMPANY NAME	PHONE	EMAIL OF CONTACT PERSON	PERCENT
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Briefly describe the IVOSB service(s)/product(s) to be provided under this Contract and include the estimated date(s) for utilization during the Contract term:

A copy of each subcontractor agreement must be submitted to the IVOSB Division within thirty (30) days of the effective date of this Contract. The subcontractor agreements may be uploaded into Pay Audit (Indiana's subcontractor payment auditing system), emailed to IndianaVeteransPreference@idoa.IN.gov, or mailed to IDOA, 402 W. Washington Street, Room W-478, Indianapolis, IN 46204. Failure to provide a copy of any subcontractor agreement may be deemed a violation of the rules governing IVOSB procurement and may result in sanctions allowable under 25 IAC 9-5-2. Requests for changes must be submitted to IndianaVeteransPreference@idoa.IN.gov for review and approval before changing the participation plan submitted in connection with this Contract.

The Contractor shall report payments made to certified IVOSB subcontractors under this Contract on a monthly basis using Pay Audit. The Contractor shall notify subcontractors that they must confirm payments received from the Contractor in Pay Audit. The Pay Audit system can be accessed on the IDOA webpage at: www.in.gov/idoa/mwbe/payaudit.htm. The Contractor may also be required to report IVOSB certified subcontractor payments directly to the IVOSB Division, as reasonably requested and in the format required by the IVOSB Division.

The Contractor's failure to comply with the provisions in this clause may be considered a material breach of the Contract.

33. Information Technology Enterprise Architecture Requirements. If this Contract involves information technology-related products or services, the Contractor agrees that all such products or services are compatible with any of the technology standards found at <https://www.in.gov/iot/2394.htm> that are applicable, including the assistive technology standard. The State may terminate this Contract for default if the terms of this paragraph are breached.

34. Insurance

- A. The Contractor and their subcontractors (if any) shall secure and keep in force during the term of this Contract the following insurance coverages (if applicable) covering the Contractor for any and all claims of any nature which may in any manner arise out of or result from Contractor's performance under this Contract:
1. Commercial general liability, including contractual coverage, and products or completed operations coverage (if applicable), with minimum liability limits not less than \$700,000 per person and \$5,000,000 per occurrence unless additional coverage is required by the State. The State is to be named as an additional insured on a primary, non-contributory basis for any liability arising directly or indirectly under or in connection with this Contract.
 2. Automobile liability for owned, non-owned and hired autos with minimum liability limits of \$700,000 per person and \$5,000,000 per occurrence. The State is to be named as an additional insured on a primary, non-contributory basis.
 3. The Contractor shall secure the appropriate Surety or Fidelity Bond(s) as required by the state department served or by applicable statute.
 4. The Contractor and their subcontractors shall provide proof of such insurance coverage by tendering to the undersigned State representative a certificate of insurance prior to the commencement of this Contract and proof of workers' compensation coverage meeting all statutory requirements of IC §22-3-2. In addition, proof of an "all states endorsement"

covering claims occurring outside the State is required if any of the services provided under this Contract involve work outside of Indiana.

- B. The Contractor's insurance coverage must meet the following additional requirements:
1. The insurer must have a certificate of authority or other appropriate authorization to operate in the state in which the policy was issued.
 2. Any deductible or self-insured retention amount or other similar obligation under the insurance policies shall be the sole obligation of the Contractor.
 3. The State will be defended, indemnified and held harmless to the full extent of any coverage actually secured by the Contractor in excess of the minimum requirements set forth above. The duty to indemnify the State under this Contract shall not be limited by the insurance required in this Contract.
 4. The insurance required in this Contract, through a policy or endorsement(s), shall include a provision that the policy and endorsements may not be canceled or modified without thirty (30) days' prior written notice to the undersigned State agency.
 5. The Contractor waives and agrees to require their insurer to waive their rights of subrogation against the State of Indiana.
- C. Failure to provide insurance as required in this Contract may be deemed a material breach of contract entitling the State to immediately terminate this Contract. The Contractor shall furnish a certificate of insurance and all endorsements to the State before the commencement of this Contract.

35. Key Person(s).

- A. If both parties have designated that certain individual(s) are essential to the services offered, the parties agree that should such individual(s) leave their employment during the term of this Contract for whatever reason, the State shall have the right to terminate this Contract upon thirty (30) days' prior written notice.
- B. In the event that the Contractor is an individual, that individual shall be considered a key person and, as such, essential to this Contract. Substitution of another for the Contractor shall not be permitted without express written consent of the State.

Nothing in Sections A and B, above shall be construed to prevent the Contractor from using the services of others to perform tasks ancillary to those tasks which directly require the expertise of the key person. Examples of such ancillary tasks include secretarial, clerical, and common labor duties. The Contractor shall, at all times, remain responsible for the performance of all necessary tasks, whether performed by a key person or others.

Key person(s) to this Contract is/are:

36. Merger & Modification. This Contract constitutes the entire agreement between the parties. No understandings, agreements, or representations, oral or written, not specified within this Contract will be

valid provisions of this Contract. This Contract may not be modified, supplemented, or amended, except by written agreement signed by all necessary parties.

37. Minority and Women’s Business Enterprises Compliance. Award of this Contract was based, in part, on the Minority and/or Women’s Business Enterprise (“MBE” and/or “WBE”) participation plan as detailed in the Minority and Women’s Business Enterprises Subcontractor Commitment Form, commonly referred to as “Attachment A” in the procurement documentation and incorporated by reference herein. Therefore, any changes to this information during the Contract term must be approved by MWBE Compliance and may require an amendment. It is the State’s expectation that the Contractor will meet the subcontractor commitments during the Contract term.

The following MBE/WBE Division (“Division”) certified MBE and/or WBE subcontractors will be participating in this Contract: **[Add additional MBEs and WBEs using the same format.]**

MBE or WBE	COMPANY NAME	PHONE	EMAIL OF CONTACT PERSON	PERCENT
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Briefly describe the MBE and/or WBE service(s)/product(s) to be provided under this Contract and include the estimated date(s) for utilization during the Contract term:

A copy of each subcontractor agreement must be submitted to the Division within thirty (30) days of the effective date of this Contract. The subcontractor agreements may be uploaded into Pay Audit (Indiana’s subcontractor payment auditing system), emailed to MWBECompliance@idoa.IN.gov, or mailed to MWBE Compliance, 402 W. Washington Street, Indianapolis IN 46204. Failure to provide a copy of any subcontractor agreement may be deemed a violation of the rules governing MBE/WBE procurement and may result in sanctions allowable under 25 IAC 5-7-8. Requests for changes must be submitted to MWBECompliance@idoa.IN.gov for review and approval before changing the participation plan submitted in connection with this Contract.

The Contractor shall report payments made to Division certified subcontractors under this Contract on a monthly basis using Pay Audit. The Contractor shall notify subcontractors that they must confirm payments received from the Contractor in Pay Audit. The Pay Audit system can be accessed on the IDOA webpage at: www.in.gov/idoa/mwbe/payaudit.htm. The Contractor may also be required to report Division certified subcontractor payments directly to the Division, as reasonably requested and in the format required by the Division.

The Contractor’s failure to comply with the provisions in this clause may be considered a material breach of the Contract.

38. Nondiscrimination. Pursuant to the Indiana Civil Rights Law, specifically including IC § 22-9-1-10, and in keeping with the purposes of the federal Civil Rights Act of 1964, the Age Discrimination in Employment Act, and the Americans with Disabilities Act, the Contractor covenants that it shall not discriminate against any employee or applicant for employment relating to this Contract with respect to the hire, tenure, terms, conditions or privileges of employment or any matter directly or indirectly related to employment, because of the employee’s or applicant’s race, color, national origin, religion, sex, age, disability, ancestry, status as a veteran, or any other characteristic protected by federal, state, or local law

(“Protected Characteristics”). Contractor certifies compliance with applicable federal laws, regulations, and executive orders prohibiting discrimination based on the Protected Characteristics in the provision of services. Breach of this paragraph may be regarded as a material breach of this Contract, but nothing in this paragraph shall be construed to imply or establish an employment relationship between the State and any applicant or employee of the Contractor or any subcontractor.

The State is a recipient of federal funds, and therefore, where applicable, Contractor and any subcontractors shall comply with requisite affirmative action requirements, including reporting, pursuant to 41 CFR Chapter 60, as amended, and Section 202 of Executive Order 11246 as amended by Executive Order 13672.

39. Notice to Parties. Whenever any notice, statement or other communication is required under this Contract, it will be sent by E-mail or first class U.S. mail service to the following addresses, unless otherwise specifically advised

A. Notices to the State shall be sent to: Public Works Division, Director
Indiana Department of
Administration 402 W Washington St
Room W462
Indianapolis, IN 46204
E-mail: rgrossman@idoa.IN.gov

B. Notices to the Contractor shall be sent to:

[INSERT CONTRACTOR NAME]
**[INSERT CONTRACTOR’S
ADDRESS]**
E-mail: _____

As required by IC § 4-13-2-14.8, payments to the Contractor shall be made via electronic funds transfer in accordance with instructions filed by the Contractor with the Indiana Auditor of State.

40. Order of Precedence; Incorporation by Reference. Any inconsistency or ambiguity in this Contract shall be resolved by giving precedence in the following order: (1) this Contract, (2) the Project Bid Package, (3) attachments prepared by the State; (4) Contractor’s Proposal; and (5) attachments prepared by the Contractor. All of the foregoing are incorporated fully by reference. All attachments, and all documents referred to in this paragraph are hereby incorporated fully by reference.

41. Ownership of Documents and Materials.

A. All documents, records, programs, applications, data, algorithms, film, tape, articles, memoranda, and other materials (the “Materials”) not developed or licensed by the Contractor prior to execution of this Contract, but specifically developed under this Contract shall be considered “work for hire” and the Contractor hereby transfers and assigns any ownership claims to the State so that all Materials will be the property of the State. If ownership interest in the Materials cannot be assigned to the State, the Contractor grants the State a non-exclusive, non-cancelable, perpetual, worldwide royalty-free license to use the Materials and to use, modify, copy and create derivative works of the Materials.

B. Use of the Materials, other than related to contract performance by the Contractor, without the prior written consent of the State, is prohibited. During the performance of this Contract, the Contractor shall be responsible for any loss of or damage to the Materials developed for or supplied by the State and used to develop or assist in the services provided while the Materials are in the possession of the Contractor. Any loss or damage thereto shall be restored at the Contractor’s expense. The Contractor shall provide the

State full, immediate, and unrestricted access to the Materials and to Contractor's work product during the term of this Contract.

42. Payments.

A. All payments shall be made thirty five (35) days in arrears in conformance with State fiscal policies and procedures and, as required by IC §4-13-2-14.8, the direct deposit by electronic funds transfer to the financial institution designated by the Contractor in writing unless a specific waiver has been obtained from the Indiana Auditor of State. No payments will be made in advance of receipt of the goods or services that are the subject of this Contract except as permitted by IC § 4-13-2-20.

B. If the Contractor is being paid in advance for the maintenance of equipment, software or a service as a subscription, then pursuant to IC § 4-13-2-20(b)(14), the Contractor agrees that if it fails to fully provide or perform under this Contract, upon receipt of written notice from the State, it shall promptly refund the consideration paid, pro-rated through the date of non-performance.

43. Penalties/Interest/Attorney's Fees. The State will in good faith perform its required obligations hereunder and does not agree to pay any penalties, liquidated damages, interest or attorney's fees, except as permitted by Indiana law, in part, IC § 5-17-5, IC § 34-54-8, IC § 34-13-1 and IC § 34-52-2.

Notwithstanding the provisions contained in IC § 5-17-5, any liability resulting from the State's failure to make prompt payment shall be based solely on the amount of funding originating from the State and shall not be based on funding from federal or other sources.

44. Progress Reports. The Contractor shall submit progress reports to the State upon request. The report shall be oral, unless the State, upon receipt of the oral report, should deem it necessary to have it in written form. The progress reports shall serve the purpose of assuring the State that work is progressing in line with the schedule, and that completion can be reasonably assured on the scheduled date.

45. Public Record.

The Contractor acknowledges that the State will not treat this Contract as containing confidential information, and will post this Contract on the transparency portal as required by Executive Order 05-07 and IC § 5-14-3.5-2. Use by the public of the information contained in this Contract shall not be considered an act of the State.

46. Renewal Option. This Contract may be renewed under the same terms and conditions, subject to the approval of the Commissioner of the Department of Administration and the State Budget Director in compliance with IC § 5-22-17-4. The term of the renewed contract may not be longer than the term of the original contract.

47. Severability. The invalidity of any section, subsection, clause or provision of this Contract shall not affect the validity of the remaining sections, subsections, clauses or provisions of this Contract.

48. Substantial Performance. This Contract shall be deemed to be substantially performed only when fully performed according to its terms and conditions and any written amendments or supplements.

49. Taxes. The State is exempt from most state and local taxes and many federal taxes. The State will not be responsible for any taxes levied on the Contractor as a result of this Contract.

50. Termination for Convenience. This Contract may be terminated, in whole or in part, by the State, which shall include and is not limited to the Indiana Department of Administration and the State Budget Agency whenever, for any reason, the State determines that such termination is in its best interest. Termination of services shall be effected by delivery to the Contractor of a Termination Notice at least thirty (30) days prior to the termination effective date, specifying the extent to which performance of services under such termination becomes effective. The Contractor shall be compensated for services properly rendered prior to the effective date of termination. The State will not be liable for services performed after the effective date of termination. The Contractor shall be compensated for services herein provided but in no case shall total payment made to the Contractor exceed the original contract price or shall any price increase be allowed on individual line items if canceled only in part prior to the original termination date. For the purposes of this paragraph, the parties stipulate and agree that the Indiana Department of Administration shall be deemed to be a party to this agreement with authority to terminate the same for convenience when such termination is determined by the Commissioner of IDOA to be in the best interests of the State.

51. Termination for Default.

- A. With the provision of thirty (30) days' notice to the Contractor, the State may terminate this Contract in whole or in part if the Contractor fails to:
 - 1. Correct or cure any breach of this Contract; the time to correct or cure the breach may be extended beyond thirty (30) days if the State determines progress is being made and the extension is agreed to by the parties;
 - 2. Deliver the supplies or perform the services within the time specified in this Contract or any extension;
 - 3. Make progress so as to endanger performance of this Contract; or
 - 4. Perform any of the other provisions of this Contract.
- B. If the State terminates this Contract in whole or in part, it may acquire, under the terms and in the manner the State considers appropriate, supplies or services similar to those terminated, and the Contractor will be liable to the State for any excess costs for those supplies or services. However, the Contractor shall continue the work not terminated.
- C. The State shall pay the contract price for completed supplies delivered and services accepted. The Contractor and the State shall agree on the amount of payment for manufacturing materials delivered and accepted and for the protection and preservation of the property. Failure to agree will be a dispute under the Disputes clause. The State may withhold from these amounts any sum the State determines to be necessary to protect the State against loss because of outstanding liens or claims of former lien holders.
- D. The rights and remedies of the State in this clause are in addition to any other rights and remedies provided by law or equity or under this Contract.

52. Travel. No expenses for travel will be reimbursed unless specifically authorized by this Contract. Permitted expenses will be reimbursed at the rate paid by the State and in accordance with the Budget Agency's *Financial Management Circular – Travel Policies and Procedures* in effect at the time the expenditure is made. Out-of-state travel requests must be reviewed by the State for availability of funds and for conformance with *Circular* guidelines.

53. Waiver of Rights. No right conferred on either party under this Contract shall be deemed waived, and no breach of this Contract excused, unless such waiver is in writing and signed by the party claimed to have waived such right. Neither the State's review, approval or acceptance of, nor payment for, the services required under this Contract shall be construed to operate as a waiver of any rights under this Contract or of any cause of action arising out of the performance of this Contract, and the Contractor shall be and remain liable to the State in accordance with applicable law for all damages to the State caused by the Contractor's negligent performance of any of the services furnished under this Contract.

54. Work Standards. The Contractor shall execute its responsibilities by following and applying at all times the highest professional and technical guidelines and standards. If the State becomes dissatisfied with the work product of or the working relationship with those individuals assigned to work on this Contract, the State may request in writing the replacement of any or all such individuals, and the Contractor shall grant such request.

THE REMAINDER OF THIS PAGE HAS BEEN INTENTIONALLY LEFT BLANK.

Non-Collusion and Acceptance

The undersigned attests, subject to the penalties for perjury, that the undersigned is the Contractor, or that the undersigned is the properly authorized representative, agent, member or officer of the Contractor. Further, to the undersigned’s knowledge, neither the undersigned nor any other member, employee, representative, agent or officer of the Contractor, directly or indirectly, has entered into or been offered any sum of money or other consideration for the execution of this Contract other than that which appears upon the face hereof. **Furthermore, if the undersigned has knowledge that a state officer, employee, or special state appointee, as those terms are defined in IC 4-2-6-1, has a financial interest in the Contract, the Contractor attests to compliance with the disclosure requirements in IC 4-2-6-10.5.**

Agreement to Use Electronic Signatures

I agree, and it is my intent, to sign this Contract by accessing State of Indiana Supplier Portal using the secure password assigned to me and by electronically submitting this Contract to the State of Indiana. I understand that my signing and submitting this Contract in this fashion is the legal equivalent of having placed my handwritten signature on the submitted Contract and this affirmation. I understand and agree that by electronically signing and submitting this Contract in this fashion I am affirming to the truth of the information contained herein. I understand that this Contract will not become binding on the State until it has been approved by the Department of Administration, the State Budget Agency, and the Office of the Attorney General, which approvals will be posted on the Active Contracts Database:
https://hr85.gmis.in.gov/psp/pa91prd/EMPLOYEE/EMPL/h/?tab=PAPP_GUEST

IN WITNESS WHEREOF, the Contractor and the State have, through their duly authorized representatives, entered into this Contract for Public Works Project Number XXXXX. The parties, having read and understood the foregoing terms of this Contract, do by their respective signatures dated below agree to the terms thereof.

Contractor: XXXXXXXXXXXX

**Department of Administration
Public Works Division**

By: _____

By: _____

Printed Name: _____

Robert Grossman, Director

Title: _____

For IDOA Commissioner if less than \$1,000,000

Date: _____

Date: _____

Approved by:
Department of Administration

Approved by:
State Budget Agency

By: _____ (for)
Lesley A. Crane, Commissioner

By: _____ (for)
Zachary Q. Jackon, Director

Date: _____

Date: _____

Approved as to Form and Legality:
*Form approval has been granted by the
Office of the Attorney General pursuant to
IC 4-13-2-14.3(e) on September 9, 2019.
FA 19-36*

This Instrument was prepared by: [INSERT NAME] on XX/XX/XXXX

PART B
LIST OF DRAWINGS

PLAN SHEET INDEX

PAGE#	DWG#	DRAWING DESCRIPTION
GENERAL DRAWINGS		
01	G1	TITLE SHEET
02	G2	GENERAL LOCATION MAP, PLAN SHEET INDEX, AND GENERAL NOTES
PROCESS DRAWINGS		
03	P1	INTAKE STRUCTURE DETAILS - PLAN AND SECTION VIEWS
04	P2	INTAKE STRUCTURE DETAILS - SECTION VIEWS
MISCELLANEOUS DRAWINGS		
05	MD1	MISCELLANEOUS TABLES AND DETAILS
06	MD2	INTAKE STRUCTURE PHOTOS
07	MD3	OUTLET WEIR DETAIL

PART C

DETAILED SPECIFICATIONS

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SECTION 00

GENERAL REQUIREMENTS

PART I - GENERAL

1.01 DESCRIPTION

- A. This project consists of the removal and installation of two new slide gates on the exterior and one slide gate on the interior of the Hardy Lake Dam drawdown structure. It also includes the decommissioning of one slide gate on the exterior of the structure. In addition, there will be removal of non-structural pieces of the structure, such as the access ladders on the interior of the structure. At the downstream end of the dam, a weir will be installed at the end of the stilling basin to measure outlet flow.
- B. The Contractor shall perform all work required to complete the project in accordance with the contract documents.

1.02 BASE BID AND ALTERNATES:

BASE BID

- A. The Base Bid shall include all work and requirements indicated by the Bidding Documents, except as described below as Alternate 1.
 - 1. The Contractor shall not be allowed extra compensation by reason of any matter or thing concerning which the Contractor could have fully informed their self prior to bidding. No verbal agreement, understanding or conversation with an agent or employee of the Owner, either before or after the execution of this contract, shall affect or modify the terms or obligations herein contained.

ALTERNATES

- A. Alternate 1 shall include all work associated with Gate #4 as designated on the plans.

1.03 COMMENCEMENT AND COMPLETION OF WORK:

- A. The Contractor shall commence work within 10 calendar days after the date of the execution of the Contract.
- C. An additional 30 calendar days shall be provided for final completion after the date of substantial completion in order to complete any punch list items or items of work found to be incomplete.
- D. This project, or portion thereof, will not be ready for substantial completion review until test and performance evaluations are completed, all items are installed, materials cured, and the work area is clear of construction rubbish and debris.

1.04 BUILDER'S RISK INSURANCE:

A. The Builder's Risk insurance requirements as specified in the General Conditions (11.2.1) are waived for this project.

1.06 SUBMISSION OF POST-BID INFORMATION: Submit the following information within ten days of receipt of Notice to Proceed.

- A. Designation of the work to be performed by the Contractor with his own forces.
- B. A list of Subcontractors.
- C. A list of manufacturers and suppliers.
- D. Designation of location of disposal site for all project debris. If the location is anything other than a certified landfill, the submittal shall include a map (United States Geological Survey topographic map preferred) showing the location. This submittal must be received at least 10 days prior to the beginning of the disposal at said site.

1.07 REMEDIATION ALLOWANCE

Detailed Specification Section 7 Remediation Allowance, contains information which will directly affect the amount of the contractor's bid. The amount of any such allowances must be added to the contractor's determined cost for performing the work and included in the bid price for the project. **If any portion of the allowance is not used during the project, that portion will revert to the owner and will not be included in the contractor's final payment.**

1.08 WORKING HOURS:

- A. Contractor shall perform all construction activity on Monday thru Friday, excluding state holidays, between the hours of 7:30 a.m. and 5:00 p.m., unless previous arrangements are made with the Owner.
- B. All work performed at other times shall be only by approval from the Owner, confirmed in writing, and shall not constitute a change in the contract amount. The request shall be submitted in writing at least 3 days in advance of proposed work outside of these hours.

1.09 EXISTING SITE CONDITIONS:

- A. Data on the drawings pertaining to present conditions, dimensions, type of construction, etc. have been obtained from sources believed reliable, but accuracy of such data is not guaranteed and is furnished solely for accommodation of the Contractor.

1.10 CONSTRUCTION AND STORAGE AREA:

- A. The Contractor shall confine the construction operations and storage of materials within an area approved by the Owner. Refer to Part 2 – Plan of Operation.

1.11 ROADWAY PROTECTION:

- A. The Contractor shall, at his expense, be responsible to repair any and all damage to the property's roads and drainage structures caused by his equipment and/or personnel.
- B. The ingress and egress to the project site shall be approved by the Owner.

1.12 SUBSTITUTIONS:

- A. Substitutions shall be made in accordance with the requirements of Article 7 of the General Conditions.

1.13 ARCHEOLOGICAL AND HISTORICAL ARTIFACTS:

- A. If any objects are uncovered during construction which could possibly be of archeological or historical importance, this shall be immediately reported to the Owner. Work at that spot shall not proceed further until the Owner has evaluated the object and the area where it was found and approved continuation of the work.
- B. If any construction time is lost due to such objects being found, an equal number of calendar days will be added to the project completion time given in the specifications.

1.14 PROTECTION OF FACILITIES AND PREMISES:

- A. The Contractor shall be responsible for the protection of all existing facilities during the entire period of construction. Any damage to the existing facilities caused by the Contractor shall be repaired by the Contractor at his expense and in a manner approved by the Designer.
- B. The Contractor shall confine his construction operations and storage of materials within an area approved by the Designer.
- C. The Contractor shall, at all times, keep the premises free from accumulation of waste materials or rubbish caused by his employees or work. At the completion of the work, he shall remove all the accumulated rubbish, tools, and surplus materials from and about the job site, and shall leave the premises in a neat, clean, and orderly condition.
- D. Debris and rubbish from the construction operations shall not be dumped on the Owner's property but shall be removed from the site by the Contractor.
- E. **The Contractor Shall power wash any mechanical equipment or vehicle to be used on the job site to remove all mud and debris prior to unloading on the site.** This is necessary to prevent contamination by invasive species that may be attached to the equipment. The Contractor SHALL NOT unload the equipment on site without prior visual inspection by the Property Manager. No other vehicles or machines shall be permitted in the project area. All other equipment or project related vehicles must be parked in specified parking areas.

1.15 SITE ACCESS PRIOR TO BIDDING:

- A. Bidders may obtain access to the construction site, for on-site inspection prior to bidding, by making arrangements with the following Department of Natural Resources Personnel.

Contact: Matt Taylor, Property Manager
Telephone No: 812-794-3800

Address: IDNR Hardy Lake
4171 East Harrod Rd.
Scottsburg, IN 47170

1.16 CONFINED SPACE ENTRY:

- A. Written permit is required prior to entry into areas meeting the OSHA definition of a "permit required confined space". Areas meeting this definition, and which are known or presumed to require access for this project are as follows:
- B. Non-listing of a confined space requiring access does not relieve the Contractor of responsibility for obtaining a permit if required by OSHA Regulations.
- C. Confined space definition (all the following):
 - 1. Is large enough and so configured that an employee can bodily enter and perform assigned work.
 - 2. Has limited or restricted means for entry or exit.
 - 3. Is not designed for continuous occupancy.
- D. Permit required confined space (any of the following):
 - 1. Contains or has the potential to contain a hazardous atmosphere.
 - 2. Contains a material that has the potential for engulfing an entrant.
 - 3. Has an internal configuration such that an entrant could be trapped or asphyxiated by inwardly converging walls or by a floor which slopes downward and tapers to a smaller cross section.
 - 4. Contains any other recognized serious safety or health hazard.
- E. Contractor to provide copy of "confined space entry" plan and permit proposed to be used at the preconstruction meeting. It will be the Contractor's responsibility to abide by all requirements of OSHA.
- F. Contractor shall provide for rescue services during work in permit required confined spaces.
- G. Contractor to provide copy of issued permits at the beginning of each day's work to the Property Manager.

1.18 APPLICABILITY OF THE DETAILED SPECIFICATIONS:

- A. The Detailed Specifications are part of the Contract which describes equipment, material, labor, services, and other provisions. This section states what must be provided and met by the Contractor.

PART 2 – PLAN OF OPERATION

2.01 General

- A. The Contractor shall provide a Plan of Operation within thirty (30) days of the execution of the Agreement. This Plan of Operation shall generally describe the scheduling and phasing of all work, shall describe the means and methods anticipated to be used in completing each section of the work, Contractor's quality control and testing to be used for the project, and shall describe in detail; (i) the safety measures to be used to protect the public from Contractor's work, (ii) include provisions to maintain discharge during construction, including procedures for handling high intensity storm events (100-year or 1% annual occurrence), (iii) ensuring compliance with all project requirements, (iv) proposed site access points and equipment, and (v) a written safety plan. Work details shall include all temporary construction structures, such as bulkheads and temporary bypass systems. The Engineer and Owner shall review and determine acceptable procedure and development of the Plan of Operation has been established, prior to Contractor commencing work.
- B. In addition, the Plan of Operation shall adhere to the following:
- a. A temporary bulkhead or other temporary flow restriction may be used on the outside of the structure to reduce flows into the intake tower. Any restrictions to flow shall be approved by the Owner before implementation.
 - b. Any proposed changes to the water surface elevation of the lake shall be approved by the Owner.
 - c. The discharge pipe shall not be plugged at the outfall (i.e., the discharge pipe cannot be pressurized in the dam).
 - d. The primary park boat ramp (accessible from Sunny Side Road) is available to the Contractor for lake access. The Contractor shall coordinate with the Owner for access to the boat ramp.
- C. Due to the nature of the work requiring existing facilities to remain in operation during construction, until start-up of new or temporary facilities is completed, the Contractor must fully coordinate and cooperate with the Owner and Engineer in developing a Plan of Operation for the phasing of construction. This Plan of Operation, which may be amended by the Engineer in discussions with the Owner and the Contractor, shall designate a logical order of task completion for the purpose of maintaining service to the existing utility. The Contractor shall include plans for phasing of construction the coordination of all disposal requirements.
- D. For a complete stoppage of flow through the structure, either by natural or artificial means, the Contractor shall provide 1,500 gpm of flow downstream as directed by the Owner to maintain downstream water supply as needed by the downstream utility. Payment to be made in accordance with the Supplemental Unit Price sheet. Refer to Remediation Allowance Specifications.

- E. A preinstallation meeting is required. The preinstallation meeting shall be held at the project site in accordance with the following:
 - a. Notify the Engineer, Owner, and Manufacturer's Representative a minimum of one week in advance of the anticipated meeting date.
 - b. Written Plan of Operation shall be provided a minimum of one week in advance of the meeting

2.02 Public Safety

- A. Public Safety shall be included in Plan of Operation. Contractor shall secure the site prior to start of construction. Contractor shall also be responsible for protection of existing utilities, storage of equipment and materials, and protection of excavations from public access. Contractor shall be responsible for all site safety measures.

2.03 Contractor's Responsibility

- A. Prior to commencing any construction activities, Contractor shall field verify elevations and measurements of all points, where new construction is to match existing conditions. Contractor shall report any errors or discrepancies to Engineer. As directed by the Engineer field adjustment may be needed to fit the new gates to the existing facilities. All needed field adjustment and field modification shall be part of the Contract.
- B. The Contractor shall be responsible for all construction staking and As-Built plan information.
- C. The Contractor shall be responsible to attend all project coordination meetings with the Owner, Engineer, and Resident Project Representative as scheduled by the Engineer. At these meetings, the Contractor shall submit an updated project schedule and a detailed listing of the next two weeks work activities.
- D. Under each Item, the Contractor shall include the cost of all materials, equipment, labor, transportation, construction, equipment and machinery, tools, appliances, fuel, power, light, heat, telephone, water and sanitary facilities, taxes, cost of insurance and bonds together with all the work specifically described and included under the Contract Items and the component parts of the Contract.
- E. It shall be the responsibility of the Contractor to complete all work in accordance with these plans and specifications, provide all applicable permits and accesses, and prevent unlawful discharges to the area streams and drains. The Contractor shall perform all work in such a manner to provide continuous wastewater service to on-site construction workers and prevent spills or discharges of raw or inadequately treated sewage to the area streams, lakes and/or drains. The Contractor shall be fully responsible for providing all temporary piping, pumping, controls, electrical, containment and transportation equipment, and other equipment and work so as to maintain service.
- F. The Contractor shall prevent spills, discharges or soil erosion runoff to area streams and drains. All construction activities, any land disturbing activity, must

contain temporary site erosion control measures. These site erosion and control measures shall be checked weekly and after each ½” rain event. Contractor shall be responsible for maintaining the temporary erosion and control measures until Owner or Engineer provide in writing to the Contractor that such items can be removed.

- G. The Contractor shall comply with all local, state, and federal agency requirements relative to the control of erosion during and immediately following construction and containment of siltation in adjacent streams, lakes, and ditches. Any in-stream silt traps as may be required by the Indiana Department of Natural Resources or Indiana Department of Environmental Management shall be installed and maintained by the Contractor.

2.04 Certificate of Substantial Completion

- A. It shall be noted that only ONE (1) CERTIFICATE OF SUBSTANTIAL COMPLETION will be issued.

2.05 Warranty Period

- B. The warranty period for the equipment shall begin with final approval of all equipment and work associated with the project (i.e., upon the issuance of the Certificate of Substantial Completion).
- C. It shall be noted that the warranty period for equipment used initially in temporary service shall only begin with final approval of all equipment associated with said certificate and only after final and permanent installation.

2.06 Use of Easements and/or Construction Limits

- A. Notwithstanding, anything to the contrary in these Contract Documents, the Contractor shall limit work in and around easements and/or construction limits as provided in the Plan of Operation. In the event Owner or the owner of the land on which the easement and/or construction limit exists is damaged by Contractor's work in or around such land, Contractor shall be fully responsible for restitution for the damage.

2.07 All temporary power, water, telephone service, internet service, portable toilets, etc.

- A. The Contractor shall be responsible for furnishing and payment of all temporary power, water, telephone service, internet service, portable toilets etc. required for construction.

2.08 Removal of Materials

- A. The Contractor shall be responsible for the removal and lawful disposal of all materials, debris, etc. resulting from or required due to construction activities. Refer to DS-02 for Existing Structure Removal and Salvage requirements.

2.09 Conflict with Existing Underground Utilities

- A. As specified by Indiana Law, the Contractor shall be responsible for locating and protecting all existing underground utilities. All existing underground telephone, cable TV, electrical, water, gas, and sanitary sewer service laterals shall be located and protected by the Contractor. Although not specifically shown on the plans for the location of such individual services, such as water and gas service lines and sewer laterals; Contractor shall anticipate and verify all such facilities. It is the Contractor's responsibility to contact the subject utility to locate these services and no additional costs will be paid for damage to service lines not shown.
- B. Work shall include contacting existing utilities known to be in the area, reviewing available utility mapping, utility locates, and potholing. The Contractor shall be responsible to locate all existing underground utilities in advance of performing work that may present a conflict prior to installing those facilities. Contractor shall give sufficient time to Engineer to determine the extent, if any, of change that is necessary
- C. If an underground utility main or service lateral is damaged, the Contractor shall immediately notify the respective utility and repair the damaged utility main or service lateral in accordance with their requirements and at the Contractor's own expense. If a minor conflict occurs with an existing underground storm sewer, telephone, cable TV, electrical, water or gas main or service lateral, the proposed facilities shall be adjusted, if possible, to avoid the conflict in accordance with the requirements of the respective utility and with Engineer approval. No extra compensation shall be given to Contractor for minor alignment adjustments.
- D. Contractor shall protect all utility poles and/or street lighting in a manner approved by the Utility Company.

2.10 Incidental Construction

- A. The Contractor shall remove and reset existing items found within the project limits as necessary for construction unless directly denoted as being permanently removed on the plans or within a specific Detailed Specification Section. All damaged items shall be replaced with equal or better materials as approved by the Owner.
- B. Items to be removed and reset may include, but not limited to: protective railing, access grates, existing metal posts, wooden posts, and gates.

2.11 Dust and Mud Control

- A. Contractor shall use measures and methods to minimize raising dust from construction operations. Contractor shall keep roads clean at the end of each working day.

2.12 Testing

- A. All equipment and materials incorporated into the work will be tested by the Contractor in accordance with the recommendations of the manufacturer in addition to those tests specified under this Contract. Certified results of all of these tests shall be provided to the Engineer.

2.13 Installation and Testing Instruction

- A. Contractor shall provide with submittals two (2) copies of the installation and testing instructions as well as the operation and maintenance manuals of the manufacturer for all equipment and materials to be incorporated into the work.

2.14 Security

- A. Contractor shall protect existing work premises. Contractor shall protect any new or Owner salvageable equipment from theft or vandalism. Any stolen or vandalized salvaged equipment, shall be replaced at the Contractor's expense.

2.15 Site Access and Staging

- A. Contractor shall work with IDNR Hardy Lake Property Manager for suitable staging locations that are required beyond the Dam project site, including the existing parking lot area south of the dam.

2.16 As-Builts

- A. Contractor shall maintain construction As-Builts throughout the project. Contractor shall provide coordinates and/or measurements of all new piping (elevation and location), top of concrete/precast wall, structures, existing pipe removal limit and location, wall elevations and locations, hard armor limits, grout injection depths and locations, grade work cross sections (min. 25 foot intervals) and all other critical work completed during construction. No separate payment shall be provided to the Contractor for providing construction As-Builts.
- B. As-Built information shall be provided in the horizontal and vertical datum, as provided in the Contract Drawings.
- C. Final as-builts and/or construction documents shall be submitted electronically. Number of copies shall be per the Owner's request but shall not exceed three (3) final sets.

PART 3 – SUBMITTAL PROCEDURES

3.01 Work Included

- A. The Contractor shall transmit each submittal, Project Name, Contractor, subcontractor and supplier, pertinent drawing and detail number and specification section number appropriate for each submittal item. Submittal shall bear Contractor's stamp or specific written certification that Contractor has satisfied Contractor's obligations under the Contract Documents with respect to Contractor's review and that the Contractor approves the submittal.
- B. Information to be submitted includes, product data, shop drawings, installation procedures, samples, testing reports, certificates, Manufacturer's instructions, Manufacturer's field reports, pre-construction video, etc.
- C. Administrative submittals include but are not limited to: Performance and Payment Bonds, Insurance Certificates, List of Subcontractors and Payment Application.

END OF SECTION

SECTION 01

MOBILIZATION, BOND, AND STARTUP

PART 1 – GENERAL

1.01 Scope

- A. The Contractor shall furnish all material, labor and equipment to perform all work necessary to move onto the project site and start construction. Work shall include, but not limited to: purchase of required insurance and bonds, cost for pre-construction audio-video survey and the cost for all work items not specifically included under other work tasks, shall be included in this item. This work shall also include demobilizing all equipment and materials from the site after project completion and miscellaneous or incidental work task to close the project out.

PART 2 – INSURANCE AND BONDS

2.01 Required Insurance and Bonds

- A. Required Insurance and Bonds shall be as set forth in the "Instructions to Bidders" and "Standard General Conditions of the Construction Contract".

PART 3 – PRE-CONSTRUCTION AUDIO-VIDEO SURVEY

3.01 General

- A. Prior to construction, the Contractor shall video record the construction area to document the condition of the area. The purpose is to establish conditions prior to construction.
- B. The product shall be high quality audio digital media. The video portion shall present bright, sharp, clear pictures with accurate colors. The picture shall be free from distortion, tearing, rolls, or other picture imperfection. The audio portion shall be proper volume, clarity and free of distortion. The audio commentary shall be precise and concise explanatory notes.

3.02 Camera

- A. Where the area, to be videoed, is accessible by conventional wheeled vehicles, the video camera shall have a horizontal resolution of 500 lines at center. For areas non-accessible by conventional vehicles, the color video camera shall have a horizontal resolution of at least 300 lines at center. The recordings shall be high quality color video. The Contractor shall provide the Owner with three (3) sets of the video as digital media.

3.03 Audio

- A. The audio part of the tape shall provide a precise and concise summary. An audio summary shall be provided at the beginning of each video. Audio summary shall

include film number, job title, job location, positional location, date and time, weather, and any other notable condition.

3.04 Coverage

- A. The recordings shall include coverage of all surface features located along the routes, including service lines. The coverage shall include all existing cross streets, driveways, sidewalks, curbs, ditches, shrubbery, or other structures located along the routes.

3.05 Recording Procedures

- A. Recording shall only be done during periods of sufficient sunlight. No recording shall be done during periods of significant precipitation, mist, fog, or snow.
- B. The recording shall be completed prior to the start of construction and the placement of any construction materials or equipment on the proposed site. However, the audio-video survey shall not precede the start of construction by more than seven days.

3.06 Delivery

- A. The digital media shall be delivered to the Engineer prior to the start of construction. Any recordings not conforming to the specifications may be rejected with rerecording to be done at no additional cost to the Owner.
- B. The digital media shall be delivered in a USB drive or other appropriate storage device. Each storage device shall be properly labeled. An index shall describe the contents of each recording.

PART 4 – SUBMITTALS

4.01 Submit the following information within ten days of receipt of Notice to Proceed:

- A. Preliminary project schedule.
- B. Designation of the work to be performed by the Contractor with his own forces.
- C. List of Subcontractors and the work to be performed by each.
- D. List of manufacturers and suppliers of equipment and products to be incorporated into the work.
- E. Name and contact phone number(s) of resident superintendent to be Contractor's representative on-site during all work with authority to act on behalf of Contractor.
- F. Designation of location of disposal site for all project debris and excavated material and written authorization by the landowner for use of the property for disposal. If the location is anything other than a certified landfill, the submittal shall include a map (United States Geological Survey topographic map preferred) showing the

location. This submittal must be received at least 10 days prior to the beginning of the disposal at said site.

- G. Designation of the source of any fill material for the project and written authorization by the landowner for removal of fill from the property. If the source is anything other than a pre-existing borrow pit, the submittal shall include a map (United States Geological Survey topographic map preferred) showing the location. This submittal must be received at least 21 days prior to any excavation occurring at the fill material site.
- H. Preliminary schedule of shop drawing and sample submittals, O&M submittals, and spare parts submittals.
- I. Preliminary schedule of values.
- J. List and schedule of proposed start-up and follow-up training.
- K. Pre-Construction video.

END OF SECTION 01

SECTION 02

EXISTING STRUCTURE REMOVAL AND SALVAGE

1. GENERAL

1.01 Scope

- A. The Contractor shall furnish all material, labor, and equipment and do all work necessary to complete existing structure removal and salvage for the project as shown on the Plans, as specified herein and as ordered by the Engineer or Owner. Work shall include, but not limited to: excavation, cutting and removing pipe to specified limits, backfilling, concrete patching, coordination with Owner and Engineer, removal of concrete, hauling and disposal, salvage of existing slide gates and associated hardware, storing slide gates, clean up and all other miscellaneous or incidental work for demolition, removal and salvage.
- B. Primary applicable structures for removal include (but are not limited to): three (3) existing slide gates with associated hardware and any other items as shown on the plans and as directed by the Engineer. Contractor shall coordinate all items to be salvaged with Owner.

1.02 Submittals

- 1. A Demolition plan shall be provided and include procedures for careful removal and disposition of materials specified to be salvaged, coordination with other work in progress, and a detailed description of methods and equipment to be used for each operation and of the sequence of operations. Include statements affirming Contractor inspection of the existing structure and its suitability to perform or if inspection reveals a safety hazard to workers, state provisions for securing the safety of the workers throughout the performance of the work.

2. WORKMANSHIP AND MATERIALS

2.01 Under this section, the Contractor shall be responsible for furnishing all materials, labor, tools, and equipment necessary to complete the basic tasks of demolition, removal, concrete patching, salvage and renovation on the equipment, items, and/or structures specified herein.

A. Basic Tasks

1. Demolition

- (a) Items to be demolished, where shown on the plans, shall be demolished to the limits expressed within these specifications. Demolition on any item shall be complete unless otherwise agreed to by the Owner.
- (b) The Contractor shall be responsible so that demolitions take place in the safest possible environment. No demolition shall occur

which would present a potential hazard to the existing dam and/or personnel safety. The Contractor shall be fully liable to the Owner complete restoration to the Owner for any damages that occur due to Contractor negligence of potential problems. Demolition procedures on any such item or associated item that is to be reused under this project shall be agreed upon by the Owner prior to the start of unit demolition.

- (c) The Contractor shall be responsible for keeping an accurate record of all demolition performed, noting which items were removed from the site as fill material and which salvage items were stored at the designated site; the quantity, size and quality of the salvaged items and the Owner's indication that said items have been inspected.
- (d) The Contractor shall perform demolition work as described herein and as indicated on the drawings. The items noted on the plans to be included in the demolition work shall be limited to the extent as shown on the plans, described elsewhere in these specifications, and as necessary to complete the intended construction, modifications, and installations.

2. Salvage

- (a) It is the responsibility of the Contractor to store salvageable items on a site selected by the Owner. Salvageable items shall be as noted on the plans, as specified herein, or as directed by the Owner. Any items to be salvaged and re-used for project, shall be stored and protected by the Contractor until such items are re-used for the project. Such salvageable items damaged by Contractor, shall be replaced by the Contractor at no cost to the Owner.
- (b) The Contractor shall consider all items as salvageable and shall realize that all items belong to the Owner. Any items deemed not salvageable by the Owner shall be removed from the site and disposed of at the Contractor's expense.

3. Removal

- (a) The Contractor shall be responsible for coordinating with the Owner which items shall be removed from location or from the site. The Contractor shall be responsible for transportation of removed items.
- (b) Except for salvageable items, all items removed, including concrete, or other debris that has no reuse value, shall be removed from the site, and be disposed of in a proper manner.
- (c) The Contractor shall remove unsalvageable debris and other unusable materials as described herein and as indicated on the

drawings. The items noted on the plans to be included in the removal work shall be limited to the extent as shown on the plans, described elsewhere in these specifications, and as necessary to complete the intended construction, modifications, and installations.

4. Concrete Patching

- (a) Any concrete patching required while removing and installing the new slide gates, their hardware, and the flow control weir at the stilling basin shall use a bagged mix that is rated for use in marine environments. Curing compounds used shall also be rated for marine environments.
- (b) All surfaces to be patched shall be cleaned prior to application of the patching material.
- (c) All proposed concrete patching materials shall be submitted to the Engineer for approval prior to use.

3. **REMOVAL AND DISPOSAL**

3.01 The Contractor shall remove and dispose of all concrete, and all other objectionable material from the project.

3.02 All materials removed by the Contractor shall be disposed of in a lawful manner in complete accordance with all local, state and/or federal regulations. Any and all permits required for the hauling and disposal of these materials shall be obtained by the Contractor.

4. **EXECUTION**

4.01 Removal Items

- A. Existing Facilities to Be Removed. Two (2) existing 15" x 15" slide gates on the exterior of the drawdown structure, as well as one (1) 36" x 36" slide gate on the interior of the structure. Includes stem and stem guides, as well as hand cranks on the top of the structure. Also includes other items noted in the plans, such as the interior ladders.
- B. Disposition of Material. All salvaged material shall be delivered to a location on the property as directed by the IDNR Property Manager.
- C. Debris and Rubbish. Debris shall be removed and transported in a manner that prevents spillage on streets or adjacent areas. Local regulations regarding hauling and disposal shall apply.
- D. Existing Work. Before beginning any demolition work, the Contractor shall survey the site and examine the drawings and specifications to determine the extent of the work. The Contractor shall take necessary precautions to avoid damage to existing utilities and other items to remain in place, to be reused, or

to remain the property of the Owner; any damaged items shall be repaired or replaced as approved by the Engineer. The Contractor shall coordinate the work of this section with all other work and shall construct and maintain shoring, bracing, and supports as required. The Contractor shall ensure that structural elements are not overloaded and shall be responsible for increasing structural supports or adding new supports as may be required as a result of any cutting, removal, or demolition work performed under this contract. Do not overload structural elements. Provide new supports and reinforcement for existing construction weakened by demolition or removal work. Repairs, reinforcement, or structural replacement must have Engineer approval.

- E. Trees within the project area which may be damaged during demolition, and which are indicated to be left in place, shall be protected by orange safety fence. The fence shall be securely erected a minimum of 5 feet from the trunk of individual trees or follow the outer perimeter of branches or clumps of trees. Any tree designated to remain that is damaged during the work under this contract shall be replaced in kind or as approved by the Engineer.
- F. Facilities. Protect electrical and mechanical services and utilities. Where removal of existing utilities and pavement is specified or indicated, provide approved barricades, temporary covering of exposed areas, and temporary services or connections for electrical utilities. Structural components that are designed and constructed to stand without lateral support or shoring, and are determined to be in stable condition, shall remain standing without additional bracing, shoring, or lateral support until demolished, unless directed otherwise by the Engineer. The Contractor shall ensure that no elements determined to be unstable are left unsupported and shall be responsible for placing and securing bracing, shoring, or lateral supports as may be required as a result of any cutting, removal, or demolition work performed under this contract.
- G. Protection of Personnel. During the demolition work the Contractor shall continuously evaluate the condition of the structure being demolished and take immediate action to protect all personnel working in and around the demolition site. No area, section or other structural element will be allowed to be left standing without sufficient bracing, shoring, or lateral support to prevent collapse or failure while workmen remove debris or perform other work in the immediate area.
- H. Burning. The use of burning at the project site for the disposal of refuse and debris will not be permitted.

END OF SECTION 02

SECTION 03

TEMPORARY EROSION AND SEDIMENT CONTROL

PART 1 GENERAL

1.01 Description of Work

- A. The Contractor shall provide the labor, tools, equipment and material necessary to furnish and install, in proper operating condition, all temporary erosion and sediment controls in accordance with the plans and as specific herein for the life of the project.
- B. Comply with all requirements of the local jurisdictional or Regulatory Authority, and Owner's requirements for this Project.
- C. Contractor shall follow guidelines and specific stormwater quality measures established by the Indiana Storm Water Quality Manual latest edition, as directed by the Engineer, or Owner.

1.02 Quality Assurance

- A. Store and protect miscellaneous erosion control items at the project sites as required by the manufacturer.

1.03 Submittals

- A. Upon request by the Engineer or Owner submit shop drawings for materials, all installation details and recommendations from manufacturer.
- B. Include all performance data such as temporary seed mixtures, strengths for silt fence, silt fence posts, and other material specifications normally available and provided from the manufacturer.
- C. Submit temporary pump around details including pump data, flow rates, sound attenuation (if required), sediment filtering plan, and velocity dissipation plan.

PART 2 PRODUCTS

2.01 General

- A. All products shall be in accordance with the Indiana Storm Water Quality Manual (latest version) and/or local jurisdictional requirements.

2.02 Filter Sock / Fiber Roll

- A. Filter socks / fiber rolls shall consist of a fabric sock or a non-biodegradable netting matrix filled with acceptable permeable material.
- B. Permeable material shall be straw, wood / excelsior fiber, or coconut fiber.

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- C. Socks / rolls shall be a premanufactured product.
- D. 2 x 2 in. hardwood posts (or steel posts) shall be used for anchoring.

2.03 Temporary Construction Entrance

- A. Removable surface protection shall be used as necessary to protect damage to the crest of the dam.

2.04 Temporary Erosion Control Blankets

- A. Temporary Erosion Control Blankets design permissible shear stress shall be minimum of 2.10 lbs/ft² and design permissible velocity shall be a minimum 8.00 ft/s for unvegetated conditions.

2.05 Concrete Washout

- A. All concrete washout shall be captured and hauled off-site.

PART 3 EXECUTION

3.01 General Installation

- A. The facility shall be inspected no less than once per week and after every rainfall event and shall be maintained on a bi-monthly basis for erosion control measures during construction. Both temporary and final seeding is required. Any damaged portions of the grass cover on the dam shall be repaired per the Engineer or Owner's direction.

3.02 Filter Sock / Fiber Roll

- A. Filter socks / fiber rolls shall be installed by the Contractor to retain sediment from disturbed areas as necessary.
- B. Socks / rolls shall approximately follow the contour of the land to avoid channelization and be located at least ten (10) feet from toe of slope to provide broad, shallow sediment pool.
- C. Socks / rolls shall be installed per Manufacturer's recommendation.
- D. If more than one sock or roll is placed in a row, the product should be overlapped not abutted.
- E. The products should be anchored by driving a wooden or metal post through the barrier and into the underlying soil material. Posts should be spaced no more than five (5) feet apart and driven through the middle of the product. The posts should be driven a minimum of 18 inches deep and should be flush with the top of the product.

3.03 Temporary Erosion Control Blankets

- A. The blankets shall be installed for all slope's steeper than 4:1 or as directed the Engineer or Owner.
- B. Installation shall be per manufacturers recommendation, which includes all mat anchoring, staple requirements and patterns and mat overlaps. Note, longer anchors may be required where soft soils are encountered. Heavy duty anchor fasteners may be required in channels with hard soils to ensure adequate anchoring is provided.

3.04 Concrete Washout

- A. All concrete washout shall be captured and hauled off-site.

3.05 Field Quality Control

- A. The Contractor shall prevent any wind-borne soil particles, which could create a health and / or visibility hazard from leaving the disposal sites. The Contractor shall apply an approved dust preventative, as necessary, to avoid and eliminate a health and / or visibility hazard due to wind-borne soil particles. The dust preventative must be approved by the Owner prior to use.
- B. Construction operations shall be carried out in such a manner and sequence that erosion and air and water pollution will be minimized and held within acceptable limits. It is important that material excavated from this project be contained.
- C. Temporary seeding shall be applied immediately after grading activities as directed by the Engineer or Owner at rates below:

Temporary Seeding Recommendations			
Seed Species *	Rate/Acre	Planting Depth	Optimum Dates **
Wheat or Rye	150 lbs.	1 to 1-1/2 in.	9/15 to 10/30
Spring Oats	100 lbs.	1 in.	3/1 to 4/15
Annual Ryegrass	40 lbs.	1/4 in.	3/1 to 5/1 8/1 to 9/1
German Millet	40 lbs.	1 to 2 in.	5/1 to 6/1
Sudan grass	35 lbs.	1 to 2 in.	5/1 to 7/30
*Perennial species may be used as a temporary cover, especially if the area to be seeded will remain idle for more than a year.			
**Seeding done outside the optimum dates increases the chances of seeding failure.			

PART 4 MEASUREMENT AND PAYMENT

4.01 Payment

- A. This item shall include all labor, materials and equipment to install all erosion control materials and measures as specified here within, in order to prevent sediment transport of disturbed soils from construction activities. Work shall include ongoing maintenance of such facilities, modifications as necessary to protect water resources, weekly inspection reporting, clean-up and all other ancillary work associated with soil erosion control practices, including but not limited to: excavation, compaction, backfill, miscellaneous grading, concrete washout facilities, rock check dams, silt fences, site access, all erosion control facilities associated with access and staging areas, inlet protection, discharge filtering system (where applicable); temporary seeding, removal of items after project completion, and all other ancillary costs.

- B. All costs associated with erosion and sediment control shall be included in the base bid.

END OF SECTION 03

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SECTION 04

STAINLESS STEEL SLIDE GATES

PART 1 GENERAL

1.01 SUMMARY

- A. Section Includes: Stainless-steel slide gates.

1.02 DEFINITIONS

- A. Operating Head: Distance from centerline of gate to maximum water level of 615.00 ft-NGVD29.

1.03 OTHER PROJECT STANDARDS

- A. American Water Works Association:
 - 1. AWWA C561 - Fabricated Stainless Steel Slide Gates.
- B. ASTM
 - 1. ASTM D-2000 - Rubber Products in Automotive Applications
 - 2. ASTM D-4020 - Ultra High Molecular Weight Polyethylene
 - 3. ASTM F593 - Stainless Steel Bolts, Hex Cap Screws and Studs
 - 4. ASTM F594 - Stainless Steel Nuts
 - 5. ASTM-B584 -Standard Specification for Copper Alloy Sand Castings for General Applications
- C. AWS
 - 1. AWS D1.6 - Structural Welding Code – Stainless Steel

1.04 SUBMITTALS

- A. Refer to the General Conditions for requirements on shop drawing submittals.

1.06 CLOSEOUT SUBMITTALS

- A. Refer to the General Conditions for requirements on closeout submittals.

1.07 MAINTENANCE MATERIAL SUBMITTALS

- A. Spare Parts:
 - 1. Furnish one set of manufacturer's recommended spare parts.

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1.08 QUALIFICATIONS

- A. Manufacturer: Company specializing in manufacturing products specified in this Section with minimum three (3) years' documented experience.

1.09 DELIVERY, STORAGE, AND HANDLING

- A. Refer to the General Conditions for requirements on delivery, storage, and handling.

1.10 EXISTING CONDITIONS

- B. Field Measurements:
 - 1. Perform field measurements prior to submitting shop drawings.
 - 2. Indicate field measurements on Shop Drawings.

1.11 WARRANTY

- A. In addition to the warranty requirements stated in the General Conditions, the following shall also apply:
 - 1. Furnish three (3)-year manufacturer's warranty for slide gates.
 - 2. Furnish five (5)-year manufacturer's warranty that clear plastic stem covers will not crack, discolor, or become opaque.

PART 2 PRODUCTS

2.01 PERFORMANCE AND DESIGN CRITERIA

- A. Pressure Rating:
 - 1. Measurement: From maximum water surface to centerline of gate.
 - 2. See Section 3.7(A) for Slide Gate Schedule.
- B. Minimum Vertical Loading: 50 percent of force on the gate from operating head acting on horizontal centerline of gate, multiplied by effective gate area, plus weight of slide and stem.
- C. Gate Reinforcement: As required for deflection not greater than 1/360 of span.
- D. Operating Head:
 - 1. See Section 3.7(A) for Slide Gate Schedule.
 - 2. Safety Factor: Per AWWA C561

2.02 STAINLESS-STEEL SLIDE GATES

- A. Manufacturers

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1. Hydro Gate
2. Waterman Industries
3. Golden Harvest, Inc.
4. Rodney Hunt

B. Description:

1. Comply with AWWA C561.
2. Non-self-contained stainless-steel slide gate and stainless-steel hardware, with frame, lifting stem, lift and lift support, stem, stem guides, stem block, pedestal, operator handle, and mounting hardware. Including any other necessary equipment or materials to install the gate per manufacturer specifications, including, but not limited to, seals, hardware, coatings, concrete mortar, asphalt, etc.
3. Size: As indicated on Drawings and as indicated in Section 3.7(A) Slide Gate Schedule.
4. Operating Head: As indicated on Drawings and as indicated in Section 3.7(A) Slide Gate Schedule.
5. Closure: As indicated on Drawings and as indicated in Section 3.7(A) Slide Gate Schedule.
6. Opening: Upward.

C. Gates:

1. Material:
 - a. Type 304 or 316 stainless steel.
2. Minimum Thickness: 1/4 inch.
3. Configuration: Removable.

D. Seats/Seals:

1. Cord Seal:
 - a. Neoprene ASTM D-2000.
2. Bottom Seal
 - a. Seal shall be mounted to the gate (not frame mounted).
 - b. Material:
 - i. Neoprene ASTM D-2000.
 - ii. Maximum Clearance between Seating Faces: 0.004 inch when gate is fully closed.

E. Wedges:

1. All wedges and wedge blocks shall be solid machined brass blocks and shall be of sufficient number to provide a practical degree of watertightness.
2. All wedge bearing surfaces and contact faces shall be machined to maximize contact and wedging action.

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3. Wedges shall be fully adjustable, but once set shall not rotate or move from the desired position.
4. Description: Machined brass blocks with angled faces and secured with a stud bolt to prevent slippage during operation.
5. Provide side, top, and bottom wedges.

F. Frames:

1. Configuration: One piece.
2. Mounting: As indicated on Drawings or schedule.
3. Material: Type 304 or 316 stainless steel.
 - a. The slide shall be of such length as to retain and support a minimum 2/3 of the vertical height of the slide in the fully open position.
4. Furnish continuous mounting flange.
5. Thickness: minimum 1/4 inch.
6. Seats: Ultra-high-molecular-weight (UHMW) polyethylene ASTM D4020
7. Mounting: Frame shall be wall mounted using stainless steel hardware per manufacturers recommendations. The space between the frame and mounting surface shall be filled with concrete grout or as otherwise approved by the Engineer. Details and specifications for mounting the frame shall be included in the frame shop drawing submittal. The mounting configuration provided in the shop drawing shall have written approval from the manufacturer of the frame for the proposed application. Anchor hardware shall be provided by the gate manufacturer. Upon Engineer request manufacturer shall provide calculations for anchor bolt sizing and quantity.

G. Pedestal/Gearbox:

1. Material: Stainless Steel Pedestal, Stainless Steel Mounting Bracket, and Stainless Steel Hardware.
2. Operator Housing: Cast Aluminum or Cast Iron as approved by the Engineer.
3. Each manual operator shall be designed to operate the gate under the maximum specified seating and unseating heads by using a maximum effort of 40 lbs on the crank.
4. Gearboxes shall have either single or double gear reduction.
5. Bearings shall be provided above and below the flange on the operating nut to support both opening and closing thrusts.
6. Gears shall be steel with machined cut teeth designed for smooth operation.
7. The pinion shaft shall be stainless steel and shall be supported on ball or tapered roller bearings.
8. All bearings and gears shall be totally enclosed in a weather tight housing. Positive mechanical seals shall be provided on the operating nut and the pinion shafts to exclude moisture and dirt and prevent leakage of lubricant out of the hoist.

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9. General: All lifts shall have thrust bearings, bronze lift nuts, and a bronze stop nut to limit the downward travel of the stem and slide. All lifts shall be rising stem type. Lifts shall be grease lubricated and greaseable through standard grease fittings. Oil bath housings shall not be used.

H. Hand Crank:

1. Material: Stainless Steel.
2. Configuration: Removable with 15" crank radius. The crank shall be fitted with a corrosion-resistant rotating handle.
3. Height: Follow Manufacturer Recommendation or as specified by the Engineer. Minimum height of 36".
4. Operator Handles: Provide a hand crank for each gate. Hand cranks shall be interchangeable with other pedestals.

I. Lifting Nut:

1. Material: Bronze ASTM B584
2. Furnish polymer bearing pads above and below lifting nut.

J. Lifting Stem:

1. Material: Type 304L or 316L stainless steel.
2. Configuration:
 - a. Rising, unless otherwise indicated on the Drawings or shown in the schedule.
 - b. Removable.
3. Thread:
 - a. Acme, double lead.
 - b. Cut threads are not acceptable.
4. Diameter: As specified by the gate manufacturer or the minimum diameter specified in the gate schedule, whichever diameter is greater. Other diameters may be reviewed and approved by the Engineer.
5. Fully lubricated.
6. Maximum Number of Turns: 16 per foot of travel.
7. Stem Covers: Provide rising stem gates with clear polycarbonate covers, capped, vented, and of a length to allow full travel of gate. Mylar tape shall be field applied to the stem cover after the gate has been installed to mark open and closed positions. A roll of Mylar tape used shall be provided to the Owner.
8. Stem Guides: Stainless steel with (UHMW) polyethylene ASTM D4020 bushings. Guides shall be adjustable.

2.03 FINISHES

- A. Stainless-Steel Surfaces: Mill finish.

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2.04 ACCESSORIES

- A. Hardware: Type 304 or 316 stainless steel.

2.05 SOURCE QUALITY CONTROL

- A. Provide shop inspection and testing of completed assemblies.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that facilities are ready to receive slide gates.

3.02 PREPARATION

- A. Clean surfaces according to manufacturer's instructions.

3.03 INSTALLATION

- A. Install slide gates according to manufacturer's instructions.
- B. Ensure that products are installed plumb, true, and free of warp or twist.
- C. Locate operators to avoid interference with handrails and other Work.
- D. Stem Guides:
 - 1. Surface and Flange Mounted:
 - a. Install guides with anchors per manufacturer recommendations.
 - b. Position guides per Slide Gate Schedule and manufacturer recommendations, whichever spacing is shorter shall be used.
- E. Lubricants: Lubricate as required for initial operation. Contractor to provide Owner at least one unopened container of lubricant for each lubricant required.

3.04 FIELD QUALITY CONTROL

- A. Inspection:
 - 1. Verify that gate operates smoothly and does not bind or scrape.
- B. Testing:
 - 1. Comply with AWWA C561.
 - 2. Leakage: Not exceeding 0.1 gpm/ft. of seating perimeter under 20 feet of seating head and not exceeding 0.21 gpm/ft. under 20 feet of unseating head, or as approved by the Engineer.

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C. Equipment Acceptance:

1. Adjust, repair, modify, or replace components failing to perform as specified and re-inspect.

3.05 ADJUSTING

- A. Adjust slide gates per manufacturer recommendations.

3.06 DEMONSTRATION

- A. Demonstrate equipment operation, routine maintenance, and emergency repair procedures to Owner's personnel. Provide a digital and printed copy of O&M material from the manufacturer.

3.07 ATTACHMENTS

A. Slide Gate Schedule:

1. SG-1:

- a. Description: External gate.
- b. Material: Stainless steel.
- c. Size: 21 by 21 inches, or 24 by 24 inches, or as approved by Engineer.
- d. Operating Head: 25 feet
- e. Stem Configuration: Rising.
- f. Stem Minimum Diameter: As specified by the gate manufacturer or 2.5 inches, whichever diameter is greater. Other diameters may be reviewed and approved by the Engineer.
- g. Number of Stem Guides: Minimum of 2 (two), or as recommended by manufacturer, whichever is greater.
- h. Closure: Bottom Flush.
- i. Opening: Upward.
- j. Operator: Hand Crank.

2. SG-2

- a. Description: External gate.
- b. Material: Stainless steel.
- c. Size: 21 by 21 inches, or 24 by 24 inches, or as approved by the Engineer.
- d. Operating Head: 35 feet.
- e. Stem Configuration: Rising.
- f. Stem Minimum Diameter: As specified by the gate manufacturer or 2.5 inches, whichever diameter is greater. Other diameters may be reviewed and approved by the Engineer.
- g. Number of Stem Guides: Minimum of 3 (three), or as recommended by manufacturer, whichever is greater.

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- h. Closure: Bottom Flush.
- i. Opening: Upward.
- j. Operator: Hand Crank.

3. SG-4

- a. Description: Internal gate.
- b. Material: Stainless steel.
- c. Size: 42 by 42 inches, or 48 by 48 inches, or as approved by the Engineer.
- d. Operating Head: 48 feet.
- e. Stem Configuration: Rising.
- f. Stem Minimum Diameter: As specified by the gate manufacturer or 3.0 inches, whichever diameter is greater. Other diameters may be reviewed and approved by the Engineer.
- g. Number of Stem Guides: Minimum of 4 (four), or as recommended by manufacturer, whichever is greater.
- h. Closure: Bottom Flush.
- i. Opening: Upward.
- j. Operator: Hand Crank.

END OF SECTION

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SECTION 05
OUTLET WEIR

PART 1 GENERAL

1.01 SUMMARY

- A. Section Includes: Outlet weirs for water supply discharge measurement.

1.02 SUBMITTALS

- A. Refer to the General Conditions for requirements on shop drawing submittals.

1.03 CLOSEOUT SUBMITTALS

- A. Refer to the General Conditions for requirements on closeout submittals.

1.04 QUALITY ASSURANCE

- A. Refer to the General Conditions for quality assurance requirements.

1.05 DELIVERY, STORAGE, AND HANDLING

- A. Refer to the General Conditions for requirements on delivery, storage, and handling.

1.06 EXISTING CONDITIONS

- A. Field Measurements to be confirmed before ordering weir:
1. Verify the end sill (mounting surface) is plumb. If not, report elevations or percent slope to the Engineer.
 2. Verify field measurements prior to fabrication.
 3. Indicate field measurements on Shop Drawings.

1.07 WARRANTY

- A. Refer to the General Conditions for requirements on warranties.

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PART 2 PRODUCTS

2.01 PERFORMANCE AND DESIGN CRITERIA

- A. Outlet weirs and their hardware shall be the size, material and construction as shown on the drawings and specified herein. All component parts shall be of the type of material shown, and interchangeable where size and material are the same without grinding, chipping, or special fitting in the field.

2.02 OUTLET WEIRS

- A. Refer to the General Conditions for requirements on substitutions.
- B. Description:
 - 1. Comply with requirements listed below.
 - 2. Weir for measuring the rate of water release from Hardy Lake Dam.
- C. Weir Plate:
 - 1. The weir plate shall be stainless steel angle iron with minimum dimensions of 4-inch x 3.5-inch x 1/2-inch.
 - 2. The weir plate shall be anchored to concrete with minimum 1-inch diameter stainless steel, 8" long epoxy anchor bolts.
 - a. The bolts shall be centered along the length.
 - b. A minimum of six (6) anchor bolts shall be used for each weir plate.
 - 3. A butyl rubber or other sealant shall be set between the concrete and weir plate to provide a watertight seal as approved. Seal shall allow a flush mount on the concrete. Sealant to be submitted for approval by the Engineer.
 - 4. Material: Stainless Steel Type 304 or 316.
- D. Outlet Weir:
 - 1. The outlet weir shall be constructed and mounted as specified in the drawings.

2.03 FINISHES

- A. Stainless-Steel Surfaces: Mill finish, machine all cut surfaces to remove sharp surfaces and have a smooth finish.

2.04 STAFF GAUGE:

- A. The staff gage shall be USGS Style C Staff Gage.
 - 1. Must be purchased from a supplier, cannot be shop made.
 - 2. Minimum height – 3 ft
 - 3. Marked at every foot and every tenth.
 - 4. Pre-drilled with grommeted holes.
 - 5. Material: Metal coated with porcelain enamel.

2.05 ACCESSORIES

- A. All Mounting Hardware: Type 304 or 316 stainless steel.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that facilities are ready to accept outlet weirs and accessories.

3.02 PREPARATION

- A. Clean surfaces before applying butyl rubber seals and bolting weir plates to concrete.

3.03 INSTALLATION

- A. Ensure that products are installed plumb, true, and free of warp or twist.

3.04 FIELD QUALITY CONTROL

- A. Inspection:
 - 1. Verify measurement of the flow using the staff gauge and weir steps.
 - 2. Verify that the staff gage's zero mark is aligned with the top of the stilling basin (the crest of the weir).

3.05 ADJUSTING

- A. Adjust as directed by the Engineer or Owner.

END OF SECTION

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SECTION 06

TRASH RACKS

PART 1 GENERAL

1.01 SUMMARY

- A. Section Includes: Stainless Steel trash racks.

1.02 DEFINITIONS

- A. Frame: The portion of the trash rack that is directly bolted to the gate tower structure.
- B. Cage: The portion of the trash rack that is welded to the frame and is made of supports and crossbars.

1.03 REFERENCE STANDARDS

- A. AWS D1.6 - Structural Welding Code – Stainless Steel

1.04 SUBMITTALS

- A. Refer to the General Conditions for requirements on shop drawing submittals.
- B. A shop drawing shall be submitted for each trash rack.

1.05 CLOSEOUT SUBMITTALS

- A. Refer to the General Conditions for requirements on closeout submittals.

1.06 QUALITY ASSURANCE

- A. Refer to the General Conditions for quality assurance requirements.

1.07 DELIVERY, STORAGE, AND HANDLING

- A. Refer to the General Conditions for requirements on delivery, storage, and handling.

1.08 EXISTING CONDITIONS

- A. Field Measurements:
 - 1. Verify field measurements prior to fabrication.
 - 2. Indicate field measurements on Shop Drawings.

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3. WARRANTY

- a. Refer to the General Conditions for requirements on warranties.

PART 2 PRODUCTS

2.01 PERFORMANCE AND DESIGN CRITERIA

- A. Trash racks and their hardware shall be the size, material and construction as specified herein. All component parts shall be of the type of material specified, and interchangeable where size and material are the same without grinding, chipping, or special fitting in the field. All materials used in the construction of the trash racks and their hardware shall be the best suited for the application.

2.02 TRASH RACKS

- A. Refer to the General Conditions for requirements on substitutions.
- B. Description:
 1. Comply with requirements listed below.
 2. Open-top trash rack to allow for full articulation of gates.
- C. Frame:
 1. The frame shall be constructed of welded stainless steel angle iron with minimum dimensions of 3-inch x 3-inch x 3/8-inch.
 - a. The frame shall be U-shaped, with the opening oriented upward as to not interfere with the stem and operation of the gate.
 - b. The frame shall be spaced a minimum of six (6) inches away from the edge of the gate or gate flanges.
 2. The frame shall be bolted to concrete with 1-inch diameter, 8-inch long anchor bolts.
 - a. The bolts shall be centered horizontally and kept a minimum of 1 inch away from the edges vertically.
 - b. A minimum of three (3) anchor bolts on each side shall be used.
 3. Material: Stainless Steel Type 304 or 316.
- D. Cage:
 1. The cage shall be constructed of welded stainless steel angle irons with minimum dimensions of 3-inch x 3-inch x 1/4-inch.
 2. The cage shall meet the following requirements regarding grid size:
 - a. Horizontal Gap Spacing (vertical beams): a minimum of one vertical angle iron support centered on the front of the trash rack.
 - b. Vertical Gap Spacing (horizontal beams): minimum opening size six 6-inches (± 1 inch).

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3. The cage shall extend beyond the gate such that a minimum 12-inch spacing is maintained between the innermost portion of the trash rack and the outermost portion of the gate front face.
4. Horizontal Bars (spaced at 6-inches \pm 1 inch) shall be oriented with the point of the angle iron pointing outward away from the gate.
5. Material: Type 304 or 316 stainless steel.

2.03 FINISHES

- A. Stainless Steel Surfaces: Mill finish.

2.04 ACCESSORIES

- A. Hardware: Type 304 or 316 stainless steel.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that facilities are ready to accept trash racks.

3.02 PREPARATION

- A. Clean surfaces before bolting frame to concrete.

3.03 INSTALLATION

- A. Ensure that products are installed plumb to the gate.

3.04 FIELD QUALITY CONTROL

- A. Inspection:
 1. Verify measurements of frames and cages.
 2. Verify that the gate can still operate with trash rack installed.

END OF SECTION

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SECTION 07

REMEDIATION ALLOWANCE

1. GENERAL

A. RELATED DOCUMENTS

- A.1 DAPW 13 Contractor's Bid Form
- A.2 DAPW 26 General Conditions of the Contract
- A.3 DAPW 33 Standard Agreement for Construction Projects

B. SUMMARY – An allowance required by Public Works Division, Department of Administration, acting, as Owner shall be included in the base bid.

C. REMEDIATION ALLOWANCE

- A.1. Contractor shall include an allowance of \$25,000.00 in the Base Bid for Owner directed remediation of unforeseen constraints. **This amount shall be included as a separate item in the Schedule of Values, adding up to the total bid price.**
- A.2. Such constraints may include but are not necessarily limited to: unforeseen subsurface conditions particular to this construction site; improperly recorded or unrecorded physical properties and conditions at the site; obstruction of or delays to reasonable work sequences by the Owner; uncommon adverse weather or site conditions; and conflict within or omissions from the Contract Documents.
- A.3. For a complete stoppage of flow through the structure, either by natural or artificial means, the Contractor shall provide 1,500 gpm of flow downstream as directed by the Owner to maintain downstream water supply as needed by the downstream utility. This will be paid out of the remediation allowance according to the supplemental unit price sheet.
- A.4. Such remediation work shall be proposed to and authorized by the Owner prior to execution, jointly documented by Contractor and Designer, and recorded in Contractor's as-builts and Designer's project record documents. Proposed work must be accompanied with full documentation, and if authorized, shall be billed against, and paid under the remediation allowance line item on the Schedule of Values.
- A.5. **If any portion of the remediation allowance is not used during the project, that portion will revert to the Owner, and will not be included in the Contractor's final payment.**

4. PAYMENT

- A. As authorized by the Owner.

Date: 01/06/2023

**Addendum No. 1
For Project No. 300DM-72012-06**

Description: Hardy Lake Dam Valves Replacement

Location: Hardy Lake Reservoir, Scott County

FOR AGENCY: Department of Natural Resources

The information contained in this Addendum shall become a part of the basic plans and specifications the same as if original incorporated therein. The original plans and specifications shall remain in their entirety, except as modified by this Addendum. The items herein shall supersede information in the specifications and on the plans.

ITEM No. 1: Attached are the Pre-bid Meeting Agenda, Sign-In Sheet, Meeting Notes, Contractor Questions and Answers to date

ITEM No. 2: Previous Valve/Gate Inspection Reports and Video and selected sheets of the original 1968 Plans can be requested from Dale Gick, PE, Commonwealth Engineering at dgick@contactcei.com

ITEM No. 3: Attached are 2 reference documents for sluice gate installation and clearance.

ITEM No. 4: Contractor questions to be submitted by 12:00 pm on Monday, January 9. Submit to Dale Gick, PE, Commonwealth Engineering at dgick@contactcei.com and to David Nance, PG, Department of Natural Resources at dnance@dnr.IN.gov

END OF ADDENDUM

AGENDA

Hardy Lake Dam
300DM-72012-06
Dam Gate Valves Replacement
Pre-Bid Meeting: 1/4/2023 @ Site

Bids due: 1:01pm (Indianapolis Time), Wednesday, January 18, 2023. Bid opening via Teams @ 1:30pm. See Notice to Bidders.

Contractors must be prequalified by Indiana Department of Administration at time of bidding

Category: Dam and Dike Construction

Include all required documents per the Instructions to Bidders including but not limited to:

Drug-Free Workplace Plan

Domestic Steel Affidavit

Supplemental Unit Price Sheet with Bid (3 Items)

No Alternate Bids

Remediation Allowance = \$25,000 – See Section 7 of Specifications

Construction Period = 365 days - substantial completion goal by December 1, 2023.

Bids are lump sum, except for the supplemental unit price sheet

Contractor must be a registered State Vendor before we can create a Purchase Order or make payment.

Project Scope: Includes but not limited to removal (1 - 15" gate already removed) and installation of 2 – (15" existing) slide gates on the exterior and 1 – (36" existing) slide gate on the interior of the Hardy Lake Dam drawdown structure. Project includes removal and replacement of gate stems, stem guides, trash racks, hand cranks, and a flow deflector. Project includes removal of ladders without replacement and installation of a stainless steel weir plate and a staff gauge at the existing outlet stilling basin. See Plan Sheets.

Facilities must remain in operation during construction. A Plan of Operation must be submitted within 30 days of Notice to Proceed. See Part 2 – Plan of Operation in specifications. 1500 gpm of flow shall be maintained for water supply purposes.

Project will include confined space entry – OSHA requirements must be met.

Meeting Notes:

If Contractor is not currently pre-qualified, please submit an application to the Certification Board ASAP and copy Jomary Baller, Department of Natural Resources at jballer@dnr.IN.gov. Certification information can be found at <https://www.in.gov/idoa/state-property-and-facilities/public-works/certification-board/>. A special meeting of the board will need to be requested to get the application reviewed and acted upon prior to the bid date.

DNR will work with the water utility (Stucker Fork Conservancy District) to inform them of the upcoming project and the plan to maintain flows for water supply.

Flow discharge during project, 1500 gpm. This is based on a 24-hour day. Increased flow for a shorter period, 12 hours or more, resulting in an average flow of 1500 gpm should be sufficient to maintain the function of water supply. 1500 gpm will be equal to the flow through the new staged weir at the top of the second stage, just before a full width discharge over the full weir. This would be 4" of flow over the concrete lower stage. For example, 3000 gpm would be a discharge that would measure 5.5" or 0.45' over the lower stage, concrete weir.

Q: What is the inflow and drainage area? A: based on the DNR Division of Water's 2017 Dam Inspection Report the watershed is 12 square miles and the surface area of the lake is 741 acres. The inflow information is not readily available. The lake responds to precipitation events differently due to many variables. The lake is typically at its lowest stages in late summer/fall. The watershed is relatively small compared to the lake size and groundwater does not significantly contribute to lake level.

During the site visit the upper 15" gate and the interior butterfly valve were fully open resulting in a discharge 14" deep over the full width of the existing weir. Some minor leakage from the butterfly valve and pipe has been noted, but no significant leaks.

The supplemental unit price is called out to address potential costs associated with discharging water without using the principal spillway, pump, or other methods. The "Plan of Operation" submittal should address the plan for maintaining facility function.

Q: What is the gate lead time? A: Different time frames based on manufacturer, but an average of 10-12 weeks after drawing and approval. Likely 17-18 weeks total.

Q: Is there a detail for the thimble? A: No details available. The original plans (1968) have manufacturer and model number of the gates, but not the thimble. The original plan set was used as the background on the December 2022 plans. The project was designed to assume that the new gate will be larger than the existing and not use the existing bolt holes. See the 1968 plans sheets for more information.

Q: What is the embedment depth of anchors into concrete? A: Per manufacturer's instructions.

Staging area – there is a parking lot behind locked gates available near the dam for staging. A key can be made for the Contractor during construction.

There is a boat ramp available to accommodate large boats/equipment that can be used for the project.

Q: Can Contractors get a copy of previous video inspections of the valve? A: Yes, that will be included in an addendum.

Q: What is the condition of the concrete? A: No major concerns noted, but some repairs may be needed. May be able to see on the inspection video that will be made available.

Q: MBE/WBE requirements? A: There is a goal for this project listed on the Notice to Bidders. A Good Faith worksheet is required to be submitted with the bid documents.

Q: Is there a list of MBE/WBEs? A: Yes, the link on the Notice to Bidders will offer more information as well as a link to a list of MBE/WBE contractors.

A flow deflector is included on the plan sheets to protect the stem of the valves inside the valve house. See plan sheet MD1.

Q: Is video documentation acceptable for the post-installation inspection? A: Yes.

Q: There is a range of gate sizes – how were these determined? Is there a minimum? A: The range was developed using standard gate sizes. The Contractor may request a different size for review by the Designer.

There is no detail on the plans for the trash racks. This information can be found in Section 6 of the specifications.

Q: Is there a Wage Scale on this project? A: No Wage Scale is required on this project.

Q: What will be done to abandon the lower 36" valve/gate? A: The outside, bottom 36" valve/gate will be abandoned by cutting the stem and leaving in place.

Q: When should a Contractor expect a contract award? A: As long as everything is in order, 30-45 days from the bid date is a reasonable expectation for a Notice to Proceed. A purchase order cannot be issued unless the Contractor is a registered State Vendor. If the Contractor is not registered, please submit the appropriate information ASAP. This process can take several weeks. A copy of instructions for Vendor Registration is attached to these meeting notes.

Q: Is the existing 36" bottom gate flush mount bottom as drawn? A: Sheet 10 of the 1968 design drawings show the centerline of the 36" gate opening at elevation 570.0'. Sheet 10 also shows 1/2 of the 36" gate plus 3-7/8" of thimble below the centerline of the gate. This would be a total of 21-7/8". Sheet 9 shows 2.0' from the centerline of the gate to the floor. Therefore, there should be 2-1/8" of space between the floor and the bottom of the thimble.

Q: Is there a sump below the existing gate? A: The 1968 design drawings show the floor as flat.

Q: Can you provide the record drawings? A: 1968 design drawings and 3 videos are available via Procure. See addenda.

CONTRACTOR QUESTIONS TO BE SUBMITTED BY 12:00 PM ON MONDAY, JANUARY 9. Submit to Dale Gick, PE, Commonwealth Engineering at dgick@contactcei.com and to David Nance, PG, Department of Natural Resources at dnance@dnr.IN.gov

PLEASE CONTINUE TO CHECK THE WEBSITE FOR ADDENDA. MEETING NOTES AND SIGN-IN SHEET WILL BE POSTED AS WELL AS CONTRACTOR QUESTIONS AND ANSWERS.

SIGN-IN SHEET

Hardy Lake Dam
 300DM-72012-06
 Dam Gate Valves Replacement
 Pre-Bid Meeting: 1/4/2023 @ Site

Name	Phone	Email	Business Name
Jomary Baller	317-234-8731	jballer@dnr.IN.gov	DNR, Engineering
David Nance	317-234-1111	dnance@dnr.IN.gov	DNR, Engineering
Matt Taylor	812-794-3800	mtaylor@dnr.IN.gov	DNR, State Parks
Bubba Weber	513 467 2403	Bubba.Weber@AlliedPumpRentals.com	Allied Pump Rentals
Josh Mangon	859 321 1578	Josh.Mangon@AlliedPumpRentals.com	Allied Pump
Curtis Maynard	513-233-5600	Curtis.Maynard@AlliedWaterServices.com	Allied Water Services
Gosffins Eckerdt	608-769-1657	geckerdt@jfbrennan.com	J.F. Brennan
Andy Henry	812-794-3800	ahenry@dnr.in.gov	DNR, state Parks
Matt Taylor TODD STEARNS	317-499-2714	TSTEARNS@dnr.in.gov	-DNR Engineering
RICHARD VICKSON	812-525-4265	RLVX@AOL.COM	R.L. VICKSON

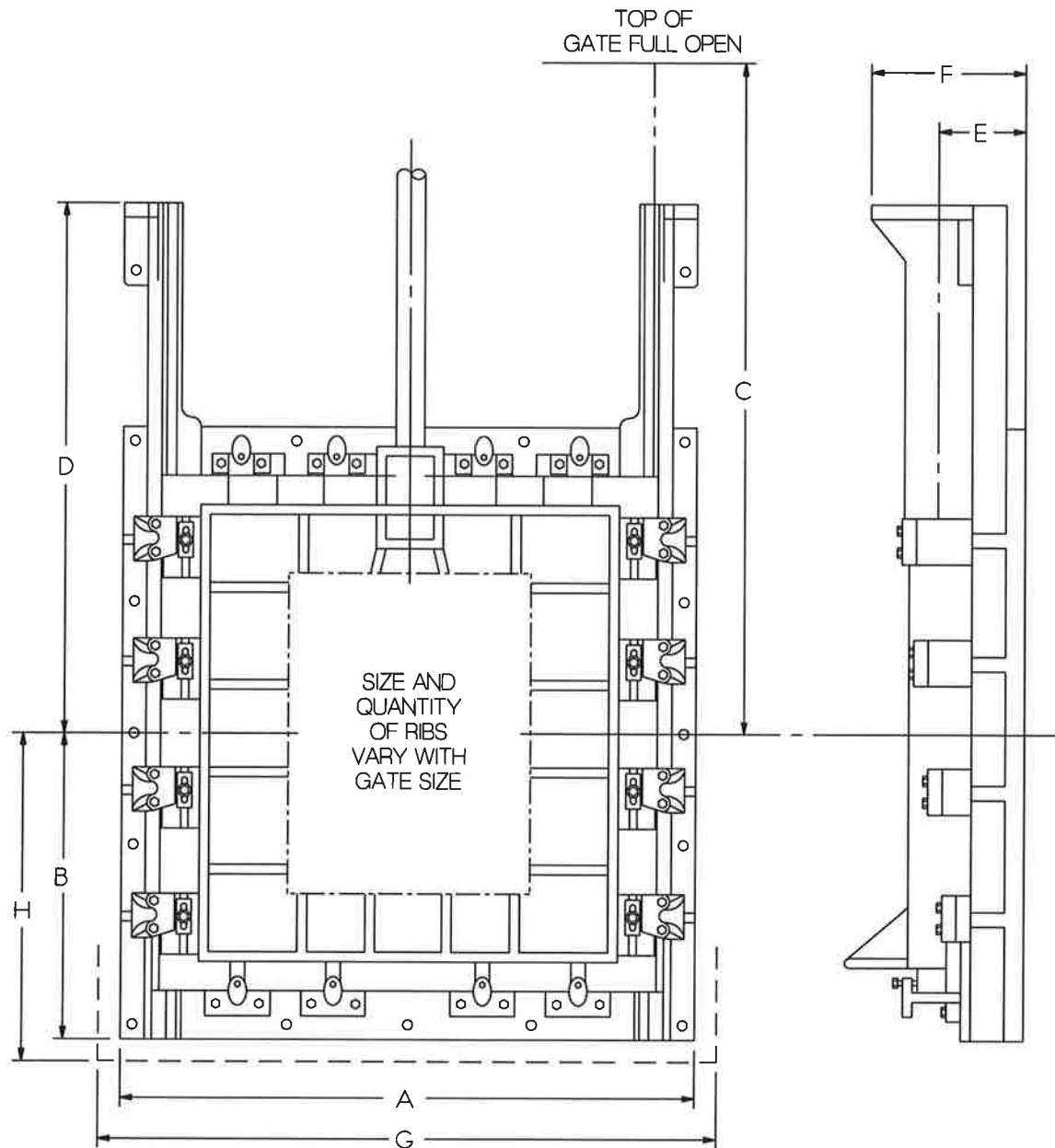


Figure 1-18

Square Opening, 55 Ft Seating Head; 20 Ft Unseating Head – Heavy-Duty Sluice Gate (Series 501)

This is a design class head rating. Many gate sizes have a higher actual head rating. Please contact the Hydro Gate Engineering Department for maximum head ratings.
 Note: G and H are installation clearance dimensions.

Square Opening – Heavy-Duty Sluice Gate (Series 501)

Gate Size	Flange Back Dimensions (In.)							
	Width (A)	Centerline to Bottom of Frame Flange (B)	Centerline to Slide Full Opening Position (C)	Centerline to Top of Frame (D)	Back of Mounting Flange to Centerline of Stem (E)	Overall Thickness of Gate (F)	Installation Clearance (G)	Installation Clearance (H)
6 x 6	14.00	7.00	14.37	8.87	5.75	7.25	18.00	9.00
8 x 8	16.00	8.00	16.37	10.87	5.75	7.25	20.00	10.00
10 x 10	18.00	9.00	19.37	12.87	5.75	7.25	22.00	11.00
12 x 12	20.00	10.00	22.37	14.12	5.75	7.25	24.00	12.00
14 x 14	22.00	11.00	26.75	16.87	6.00	8.12	26.00	19.00
15 x 15	23.00	11.50	26.87	17.87	5.75	7.25	27.00	13.50
16 x 16	24.00	12.00	28.37	18.87	5.75	7.25	28.00	14.00
18 x 18	26.00	13.00	31.37	20.87	5.75	7.75	30.00	15.00
20 x 20	28.00	14.00	34.37	22.87	5.75	7.25	32.00	16.00
21 x 21	29.00	14.50	35.87	23.87	6.00	7.50	33.00	16.50
24 x 24	32.00	16.00	41.62	26.87	5.75	8.12	36.00	18.00
30 x 30	38.00	19.00	52.37	32.87	6.37	8.87	42.00	21.00
36 x 36	47.00	23.50	61.37	41.12	7.37	10.87	51.00	25.50
39 x 39	50.50	25.25	66.25	44.25	7.50	11.50	50.50	27.50
42 x 42	53.00	26.50	70.37	47.12	7.50	12.00	57.00	28.50
48 x 48	59.00	29.50	79.37	53.12	7.50	13.50	63.00	31.50
54 x 54	65.00	32.50	91.37	59.12	8.62	16.00	69.00	34.50
60 x 60	73.00	36.50	101.50	65.50	10.00	17.37	77.00	38.50
63 x 63	76.00	38.00	99.62	68.00	10.00	17.37	80.00	40.00
66 x 66	79.00	39.50	106.50	71.00	10.25	18.62	53.00	41.50
72 x 72	85.00	42.50	115.50	77.00	10.25	19.12	89.00	44.00
78 x 78	91.00	45.50	124.50	83.00	10.25	20.12	95.00	47.50
84 x 84	97.00	48.50	133.50	89.00	10.25	21.62	101.00	50.50
90 x 90	103.00	51.50	142.87	95.00	10.25	24.12	107.00	53.50
96 x 96	109.00	54.50	151.87	101.00	10.50	22.87	113.00	56.50
108 x 108	122.50	61.25	169.87	113.00	12.50	23.37	126.50	63.25
120 x 120	134.50	67.25	187.87	125.00	12.62	23.37	138.50	69.25
144 x 144	158.50	79.25	221.25	84.50	13.00	25.00	162.50	81.25

Round Opening – Heavy-Duty Sluice Gate (Series 501)

Gate Diameter (In.)	Width (A)	Centerline to Bottom of Frame Flange (B)	Flange Diameter (In.)	Centerline to Slide Full Opening Position (C)	Centerline to Top of Frame (D)	Back of Mounting Flange to Centerline of Stem (E)	Overall Thickness of Gate (F)	Installation Clearance (G)	Installation Clearance (H)
6	12.75	6.50	11.00	13.75	8.87	6.87	8.37	24.00	14.00
8	14.75	7.50	13.50	16.37	10.87	6.37	8.37	26.00	15.00
10	16.75	8.50	16.00	19.37	12.87	6.37	6.87	28.00	16.00
12	18.75	9.50	19.00	22.37	14.12	6.87	8.37	30.00	17.00
14	20.75	10.50	21.00	25.37	16.87	8.37	6.87	32.00	18.00
15	21.00	10.75	22.00	28.25	16.50	6.25	8.50	35.00	18.50
16	22.00	11.25	23.50	29.50	17.75	6.00	8.00	36.00	19.00
18	22.75	12.50	25.00	31.37	20.87	6.87	8.87	38.00	20.00
20	26.75	13.50	27.50	34.37	22.87	7.12	8.62	40.00	21.00
21	27.00	13.75	28.50	38.00	23.00	6.75	8.75	41.00	21.50
24	28.75	16.00	32.00	41.62	26.87	7.25	9.75	44.00	23.00
30	34.75	19.00	38.37	52.37	32.87	8.00	10.25	54.00	30.00
36	44.00	23.00	46.00	61.50	40.00	8.25	11.25	60.00	33.00
42	50.00	25.87	53.00	71.75	44.00	10.00	13.50	66.00	36.00
48	56.00	28.00	59.50	81.25	52.00	9.75	14.75	72.00	41.00
54	62.00	32.00	66.25	91.25	57.00	10.00	15.00	78.00	44.00
60	70.00	35.50	73.00	101.25	64.00	10.75	17.37	90.00	47.00
66	76.00	38.50	80.00	108.75	70.00	10.37	17.25	96.00	50.00
72	82.00	42.25	86.50	117.87	77.00	10.75	18.50	102.00	53.00
78	89.00	44.75	93.50	138.37	83.00	11.25	19.00	108.00	57.00
84	94.00	47.75	99.75	138.00	88.00	11.25	19.25	116.00	60.00
90	102.00	51.25	106.50	144.62	95.00	13.00	19.00	122.00	63.00
96	108.00	54.25	112.50	155.75	101.00	14.00	18.00	128.00	66.00

Installation of Sluice Gates



Rodney Hunt sluice gates can be attached to wall thimbles embedded in the concrete, pipe flanges or directly to the concrete wall, and held in place with anchor bolts embedded in the concrete. However, the wall thimble is most frequently used and is the recommended method of installation. Here are some of the advantages of the use of wall thimbles:

They can be easily positioned in forms before the concrete is poured.

No additional form work is required for the opening when the length of the wall thimble is equal to the wall thickness.

They provide a smooth, machined surface on which to mount the gate, greatly reducing the possibility of gate distortion.

Correctly installed, a wall thimble assures that the sluice gate will be plum in both directions.

Attaching stud locations are fixed by the gate manufacturer. Wall thimble and gate are drilled to the same dimensions.

The wall thimble eliminates the need for shimming and grouting, reducing gate installation costs and making the installation easier.

Gates can be removed and installed again without disturbing the concrete.

WALL THIMBLES



These square and circular wall thimbles are typical of those shipped by Rodney Hunt every day. Note the use of plastic cap plugs to keep concrete out of the bolt holes during installation.

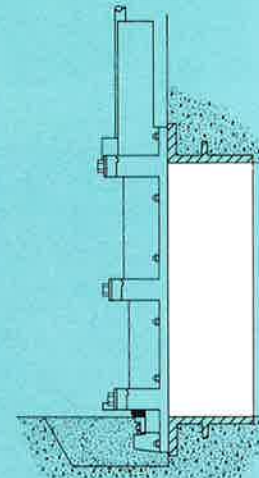


WALL THIMBLES

Rodney Hunt offers three types of wall thimbles as standard equipment. They are the "F", "E" and "Flange and Bell". Variations such as the "L" and "C" section thimbles are also available. All wall thimbles are supplied with rectangular or circular openings that conform to the clear opening of the gate. Mounting flanges are rectangular to match the sluice gate frame. The mounting

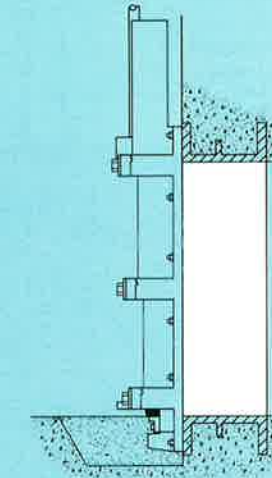
flange is slightly larger than the gate frame to prevent interference with the concrete adjacent to the thimble. The common wall thimble depths are 8", 12", and 24", and are usually furnished in depths corresponding to wall thickness.

TYPE "F"



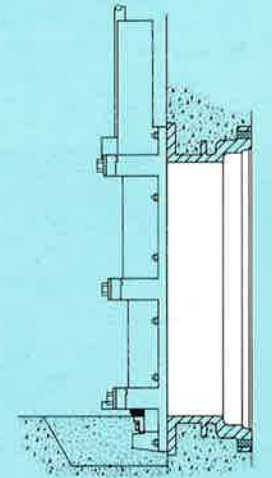
Type "F" wall thimble is the most widely used. The "F" section design is suitable for mounting sluice gates subject to any seating or moderate unseating pressures.

TYPE "E"



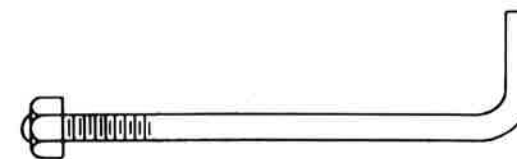
Type "E" section wall thimbles are recommended for sluice gates subject to high unseating pressures and very large gates. The "E" section thimble provides maximum strength and rigidity for even the largest sluice gate installations and the most severe conditions.

FLANGE AND MECHANICAL JOINT

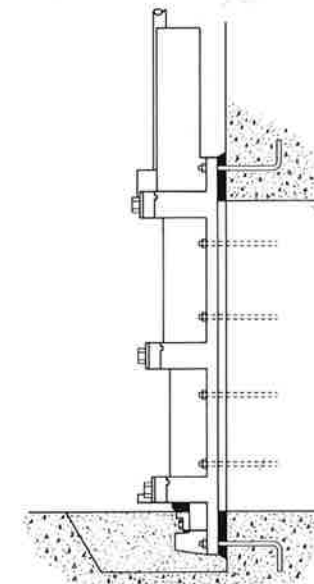


Flange and mechanical joint bell thimbles take the spigot end of a standard cast iron or cast ductile iron pipe.

ANCHOR BOLTS



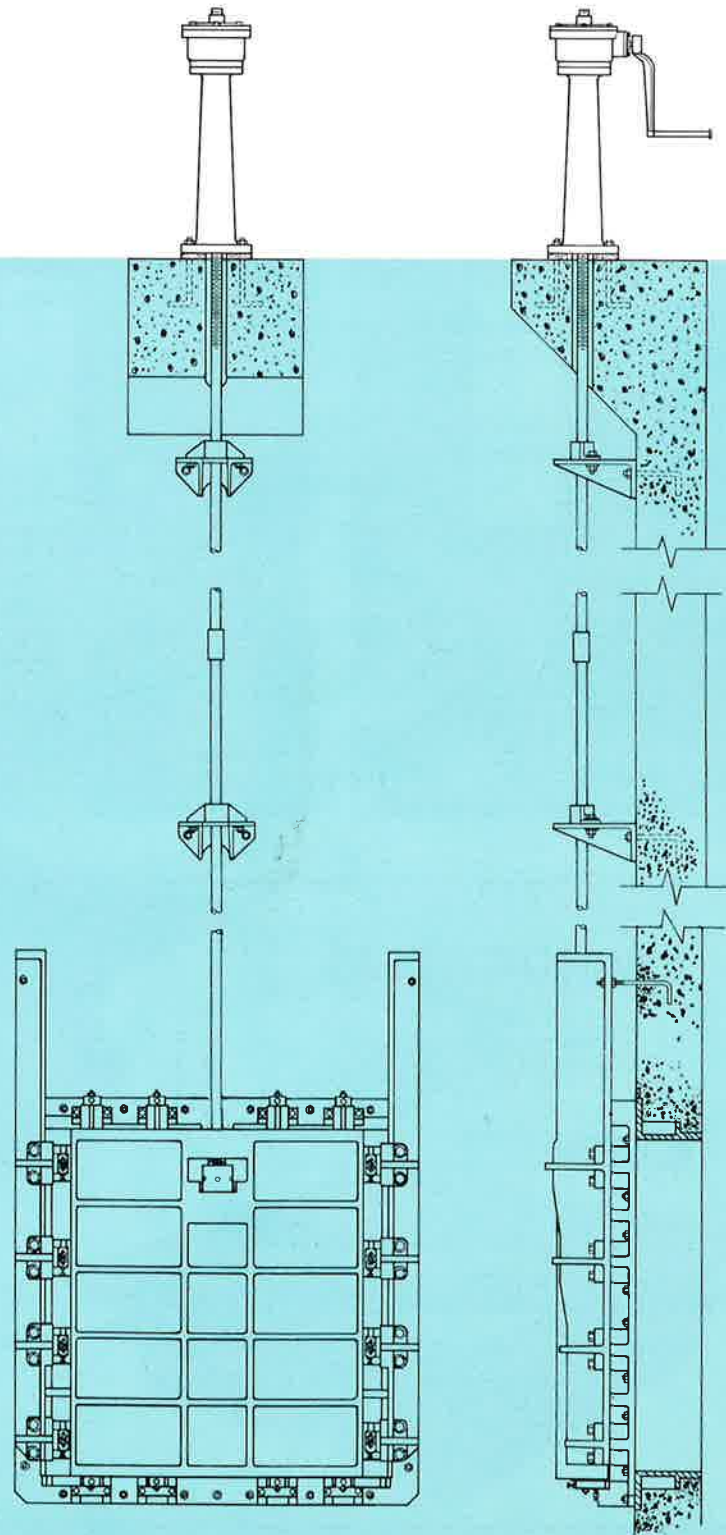
Sluice gates can also be mounted on hook type anchor bolts that have been embedded in the concrete structure.



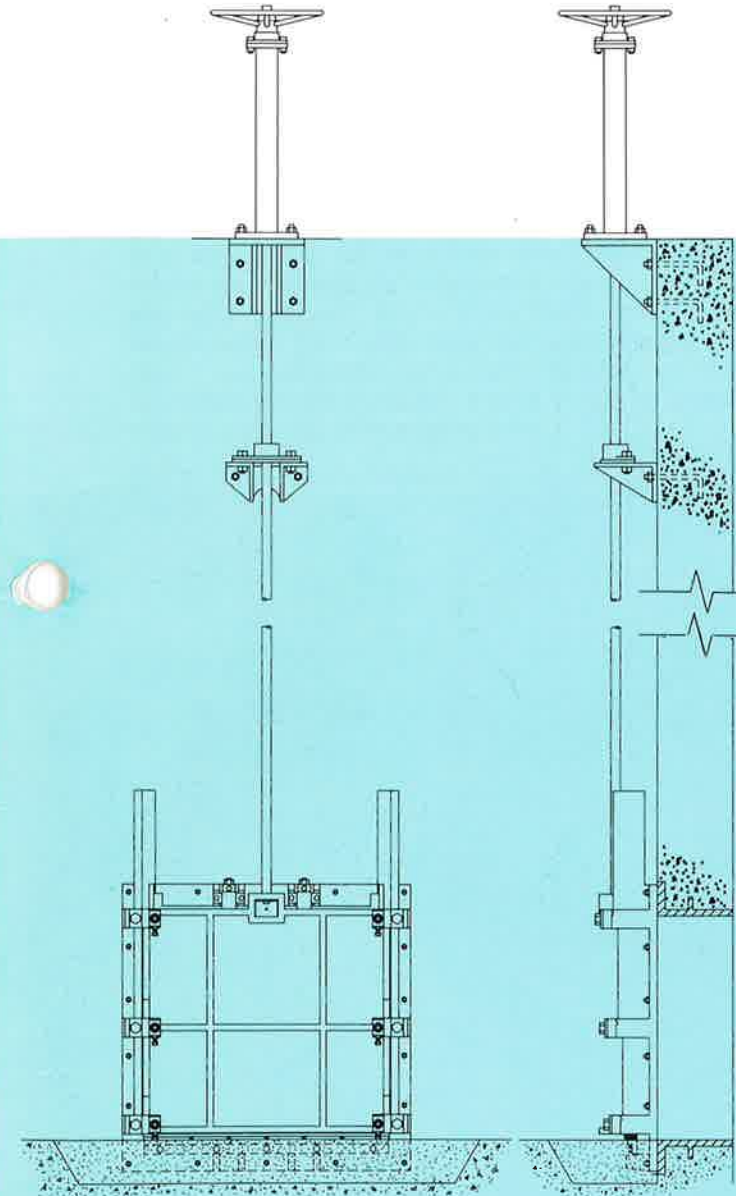
A typical installation of a HY-Q sluice gate with anchor bolts. Note the use of 1" of grout between the flange of the gate and the concrete wall. This is to prevent mounting the gate directly to the concrete surface which may not be flat.

Installation Variations

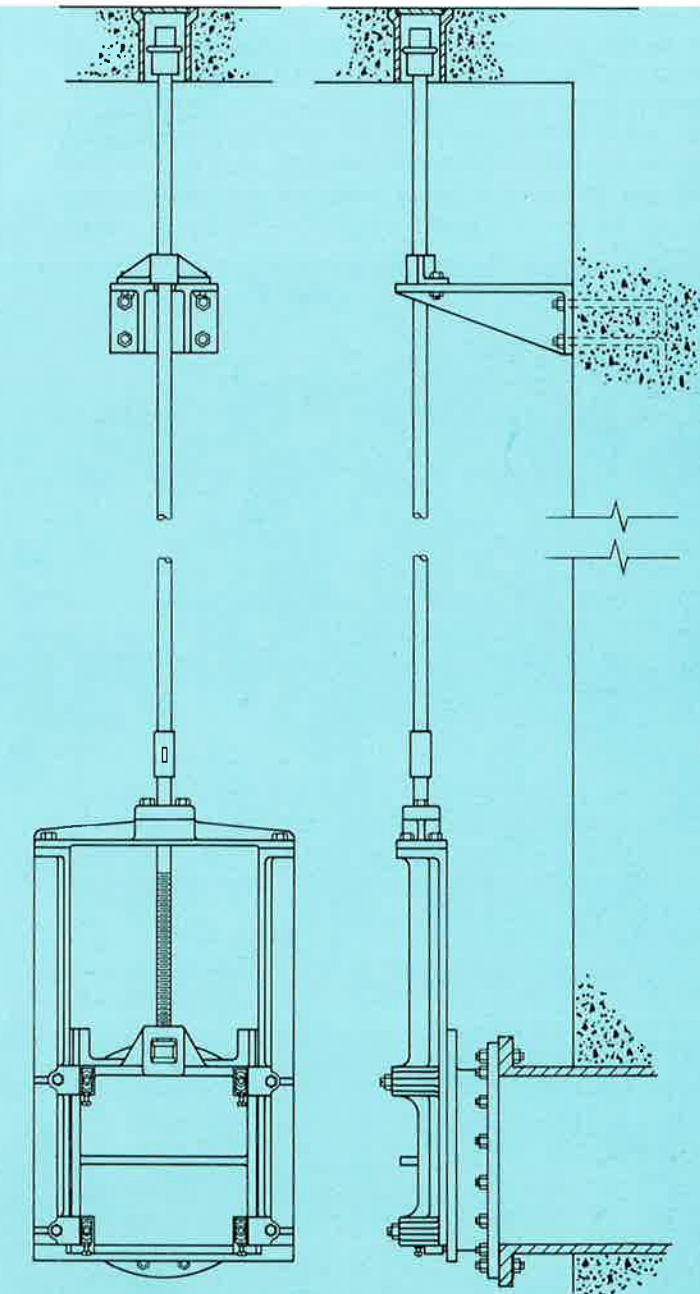
This diagram shows a side wedge sluice gate with a two-piece operating stem and crank operated, single-speed floorstand. The gate is installed on an "F" section wall thimble extending completely through the concrete wall. This makes installation easier. Also note that a grout pad is used under the hoist to insure the proper alignment between hoist and operating stem.



This is a Rodney Hunt sluice gate with flush-bottom closure and side and top wedges. It is mounted on a type "F" wall thimble, the most widely used. Note that the handwheel operated floorstand is mounted on a machined wall bracket. In this situation, a grout pad under the floorstand is not necessary for true alignment.



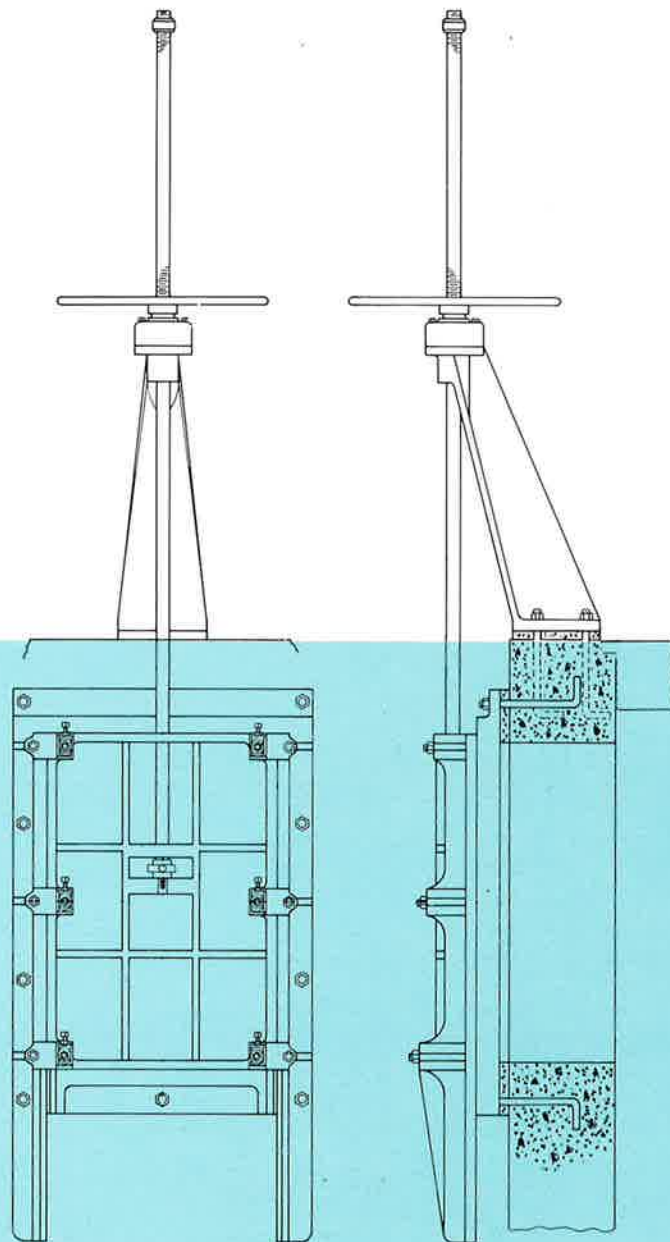
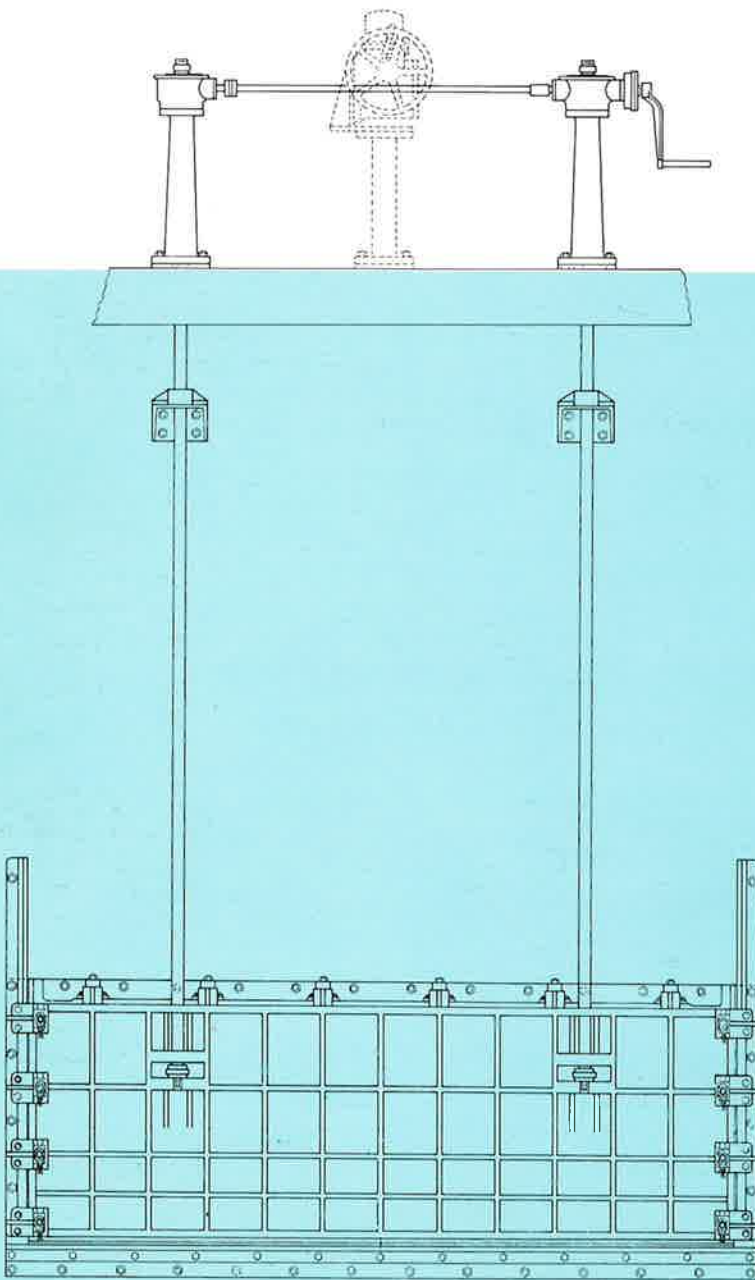
This 16" diameter gate, mounted on a flanged pipe extending from the wall, is a flange frame, side wedge, self-contained sluice gate using a non-rising stem. A T-handle wrench, engaging a 2" square operating nut in the floorbox is used to raise and lower the gate. Non-rising stem gates should not be used when it can be avoided, because the stem threads are in the medium where they cannot be regularly cleaned and lubricated.



Installation Variations



When limited head room or insufficient clearance above the gate restricts the height of the gate, an extra wide sluice gate may be necessary. This flush-bottom sluice gate with side and top wedges is arranged for twin stem operation with two interconnected, two-speed, manually operated floorstands. This arrangement can also be supplied with electric motor operation, providing torque protection and geared limit switches.



This is a Rodney Hunt side wedge sluice gate arranged for inverted operation. An inverted gate is used when there is not enough clearance for normal rising stem operation, or when weir type operation is desired. The gate is lowered to open, and raised to close, with an offset handwheel operated floorstand installed on concrete with anchor bolts. The offset floorstand eliminates the need for a special concrete support or wall bracket.

An In-Depth Review of Sluice Gates and Related Systems

What is a sluice gate?

A sluice gate is a cast iron, vertically sliding valve having bronze seating surfaces and adjustable bronze wedges. It is used at the end of a pipe line or to cover an opening in a wall and is not an in-line valve. Sluice gates are raised and lowered by means of a stem or rod using a manually operated screw stem hoist, an electrically driven screw stem hoist or a hydraulic cylinder. Sluice gates are mounted to a wall casting or thimble embedded in the concrete, a pipe flange or directly to the concrete wall with anchor bolts.

Sluice gates have been in use controlling water and sewage for 75 years. They have the important advantage

of having an extremely long life with very low maintenance. Once a sluice gate has been satisfactorily installed, its normal life will be 30 to 50 years and no maintenance of the gate itself will be required. Simple, periodic cleaning and lubrication of the stem and hoisting mechanism is all that is required over the life of the gate installation. Very few pieces of equipment used in water control are as reliable, as long lasting and as maintenance free as the cast iron, bronze mounted sluice gate.

What are the variations in types of gates?

There are a large number of variations of sluice gates.

They can be furnished with conventional closure with bronze seats completely around the periphery or with a resilient seal across the bottom of the gate for flush-bottom closure.

In the normal gate, the operating thrust is taken on the floor or a separate support above the gate. All sluice gates can be furnished as self-contained gates in which the operating device is mounted on the yoke of the gate which is, in turn, attached to the top of the guides. On these gates, the operating thrust is taken by the gate itself.

Most sluice gate applications use a rising stem in which the threads are at the operator and the stem moves up and down with the gate. It is possible, however, to provide sluice gates with non-rising stems. On these installations the threaded section of the stem is at the gate and the disc climbs the stem as the stem is turned.

What is the practical size limitation of sluice gates?

The largest Rodney Hunt gate made thus far, measures 16 ft. x 16 ft., which is about the largest practical size for a sluice gate. Sluice gates are made as small as 6 inches, but in these small sizes, other types of valves may be more practical.

What is the head limitation on sluice gates?

The maximum head under which a sluice gate can be used depends primarily on the type of application and the size. Sluice gates can be designed to withstand seating heads of 200 ft. and unseating heads of 100 ft., but for heads greater than 80 ft. seating and 50 ft. unseating, the sluice gate manufacturer should be consulted. If the sluice gate is an extremely large gate or if it is to be used under unusual conditions, such as throttling or modulating service, perhaps some modification will be required to make the gate suitable for that service.

Normally, a further limitation on the amount of head under which a gate can be used is the operating thrust necessary to open and close the gate. This thrust is usually limited to approximately 150,000 lbs., which is equivalent to a 10 ft. by 10 ft. gate under a head of approximately 60 ft.

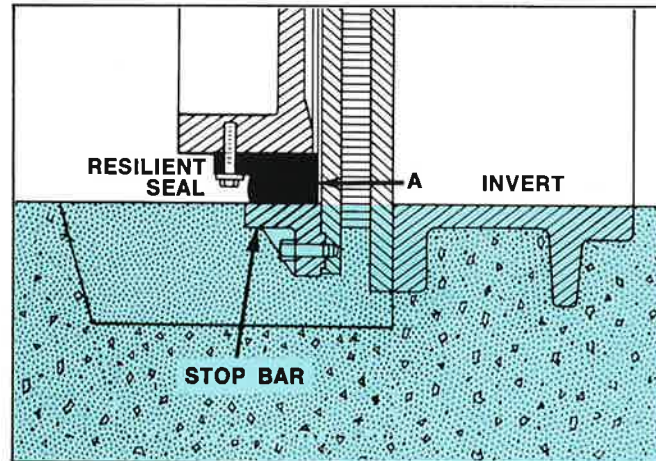


What makes a well designed gate?

Because high loads exerted by the side wedge system must be resisted by the guides, their design is of critical importance. On Rodney Hunt gates over 60 inches, a heavy reinforcing rib extends from the flange of the guide over the top of the wedge seat. This rib helps make the entire wedge seat system extremely strong and rigid. The guides are bolted and dowelled to the frame, so that once in position they cannot be moved.

What is a Rodney Hunt flush-bottom closure sluice gate?

This is a gate that uses a wide resilient seal on the bottom edge of the disc. The seal takes the place of the bronze seat. Seal material, usually a chemical and oil resistant neoprene with low water absorption properties, is attached to the disc with a stainless steel plate and attaching screws. Because of its position on the disc it is not exposed to sunlight and does not deteriorate. It is compressed against a machined cast iron stop bar which, in turn, is bolted and keyed to the frame.



When should a flush-bottom sluice gate be used?

When it is desired to avoid a cut-out in the floor or a wall beneath the gate where debris can collect, or when complete flushing of the chamber is needed.

Can flush-bottom closure sluice gates be made to seal at the corners?

Although a tight corner seal has traditionally been the most difficult problem in the design of flush-bottom closure gates, Rodney Hunt has found a very satisfactory solution. A special wide seal shape is used, with the vertical face of the seal forced against the bronze side seat facing on the frame while its bottom surface is compressed against the cast iron stop bar.

What are the limitations on the use of a flush-bottom gate?

The flush-bottom closure gate has no limitations that do not exist for the conventional sluice gate. They can be used in any application where conventional gates are used.

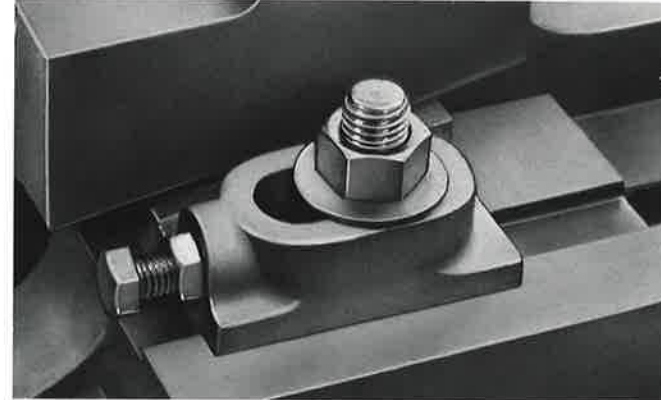
Why are wedges used on gates?

Wedges are used to insure tight contact between bronze seat facings on the disc and frame. Wedges are cast bronze, machined on their contact surfaces and once adjusted are positively held in place with a locking nut on the adjusting bolt.

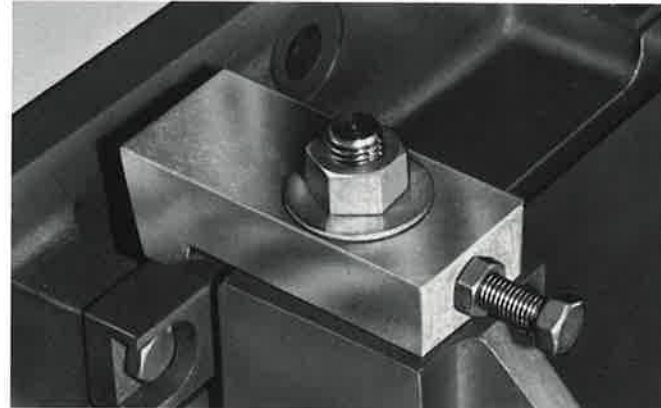
Three types of wedges are used on sluice gates. The side wedge system used on all gates is the most critical. It must resist the vertical loads placed on the gate when closing and assumes most of the loads due to unseating head. Because it is virtually impossible to spread these forces equally on all wedges, the loads assumed by the side wedge system can be high.

Top and bottom wedges, specified for gates designed for unseating head, are hook-type configuration which seat onto machined bronze loops attached to the frame. As the gate moves into the closed position, the wedges pull the top and bottom seats into contact.

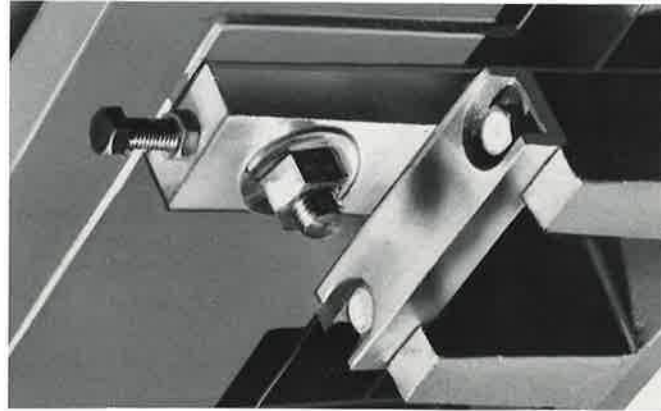
SIDE WEDGE



TOP WEDGE



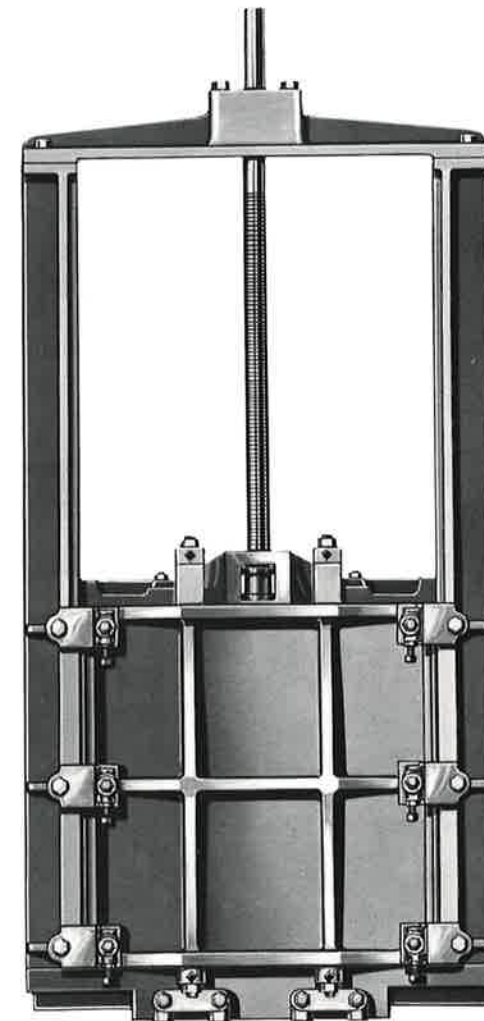
BOTTOM WEDGE



What is a self-contained sluice gate?

The self-contained gate differs from the conventional gate in that the operating loads created during opening and closing are absorbed by the gate itself. This is accomplished through the use of a yoke or supporting member mounted on the top of extended guides. The force required to operate the gate is transmitted by the yoke and guides directly back to the gate.

Self-contained gates are available with both rising and non-rising stems. The non-rising stem is more common on gates 18 inches or smaller. Because operating forces on small gates are low, non-rising stems can be successfully operated with a T-handle wrench acting on an operating nut attached to the stem.



Where are self-contained gates recommended?

The self-contained gate is ideal where there is no concrete floor above the gate or where it is impractical to build a structure to take the load. By mounting the floorstand or benchstand directly on the yoke, the operating thrust is taken by the gate. There are no limitations for the self-contained gate that do not exist for conventional gates. They are available in the same sizes and for the same heads.

Why should non-rising stems be avoided?

Wherever possible, the use of non-rising stems should be avoided. Because the threaded part of the stem is normally submerged, it is impossible to regularly clean and lubricate it. Any debris or rubbish jamming into the threads create wear of the stem and thrust nut and make the gate very difficult to operate.

What is an inverted gate?

An inverted gate is a conventional gate designed to lower to open. Its best application is where there is inadequate clearance between the opening and the floor above the gate to allow the disc to raise to open. It can also be useful for decanting from a reservoir or tank, although flow along the bottom and side may prevent precise level control.



How much maintenance is required on a sluice gate?

The maintenance on a sluice gate installation is minimal, but what there is, is important. The threads on the stem must be cleaned and lubricated periodically. Dirty grease or lack of grease will increase the operating force necessary to open or close the gate and will accelerate the wear of the stem nut. Stems should be cleaned and regreased at least twice a year and more often if the grease dries out or becomes dirty.

There are grease fittings on the manual screw stem hoists and these should be lubricated at least every six months. No other regular maintenance is required.

What construction materials are used in the manufacture of sluice gates?

The materials suitable for most sluice gate applications are: cast iron in the frame, disc and guides, ASTM A-126, Class B; bronze castings for wedges, thrust nuts, lift nuts and couplings, ASTM B-584 (Copper Alloy 865); bronze seat facings in frame and disc, ASTM B-21, extruded (Copper Alloy 464); stainless steel for stems and fasteners, ASTM A-276, Type 304, or ASTM A-582, Type 303; bronze for adjusting screws and fasteners, ASTM B-98 (Copper alloy 655); stainless steel for fasteners, ASTM F-593, alloy 304.

When is the use of special materials justified?

Bronze having less than 2% aluminum and 16% zinc should be used where dezincification of bronze can occur. In most areas of the country, dezincification of bronze is not a problem. The best determination of whether or not it is a problem is the examination of equipment presently in place. If dezincification of the bronze is a problem, sluice gate seat facings and bronze castings should be phosphor or silicon bronze, both of which meet the low zinc requirement.

In some severe industrial wastes, it may be necessary to use stainless steel seat facings and wedges, but this should be avoided wherever possible. Stainless steel machined surfaces rubbing against each other may produce galling, and severe damage to the sliding surfaces will be the result.

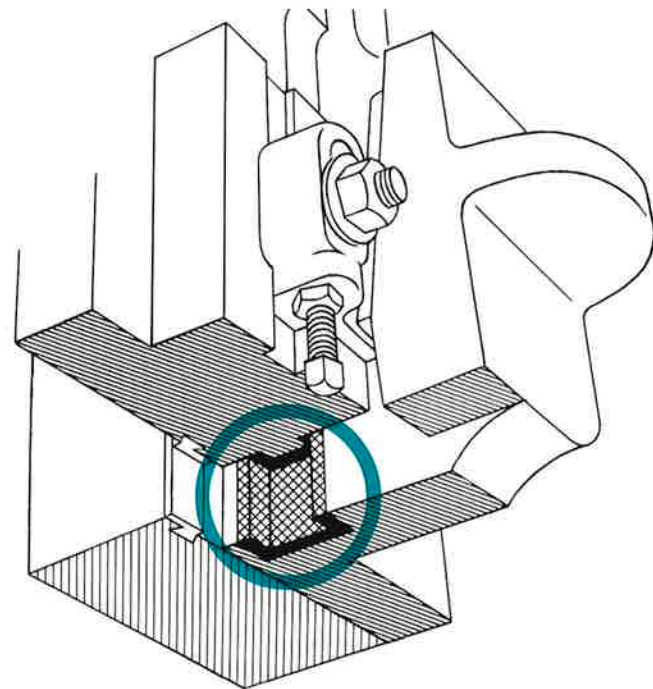
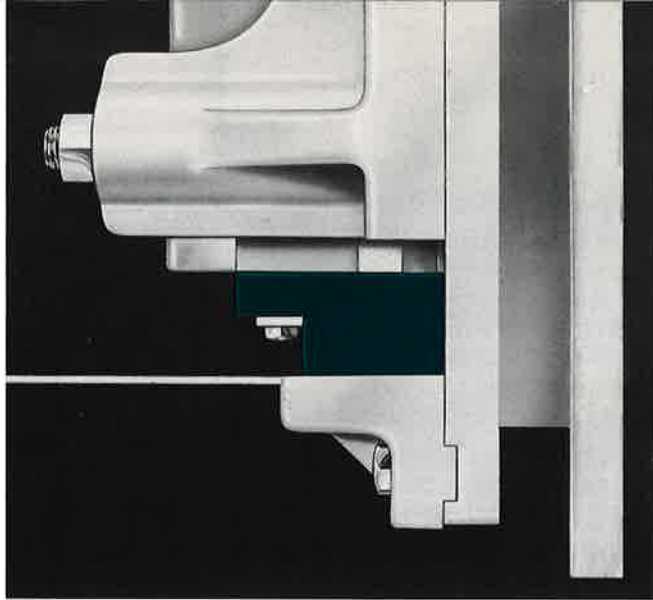
What factors affect sluice gate leakage?

Sluice gates are designed to be as tight as possible, but cannot be guaranteed to be drop tight. A gate can be designed, manufactured and shop tested to produce a very low leakage rate, but installation factors beyond the control of the manufacturer can seriously affect leakage characteristics. Was the gate stored properly? Was it installed on a flat surface? Have the bolts been tightened evenly? Have the seats been damaged by concrete spillage? All of these factors can seriously affect sluice gate leakage characteristics.

What should the leakage specification require?

AWWA specifications maintain that leakage under seating head should not exceed 0.1 gpm per foot of perimeter. Under unseating heads up to 20 ft., leakage should not exceed 0.2 gpm per foot of perimeter. As the unseating head increases above 20 ft., the permissible leakage increases.

This is not a sufficiently tight specification. It is Rodney Hunt's opinion that leakage limits of 0.1 gpm per foot of perimeter can be maintained for normal sluice gate applications required to withstand all seating heads and all unseating heads up to at least 35 ft.

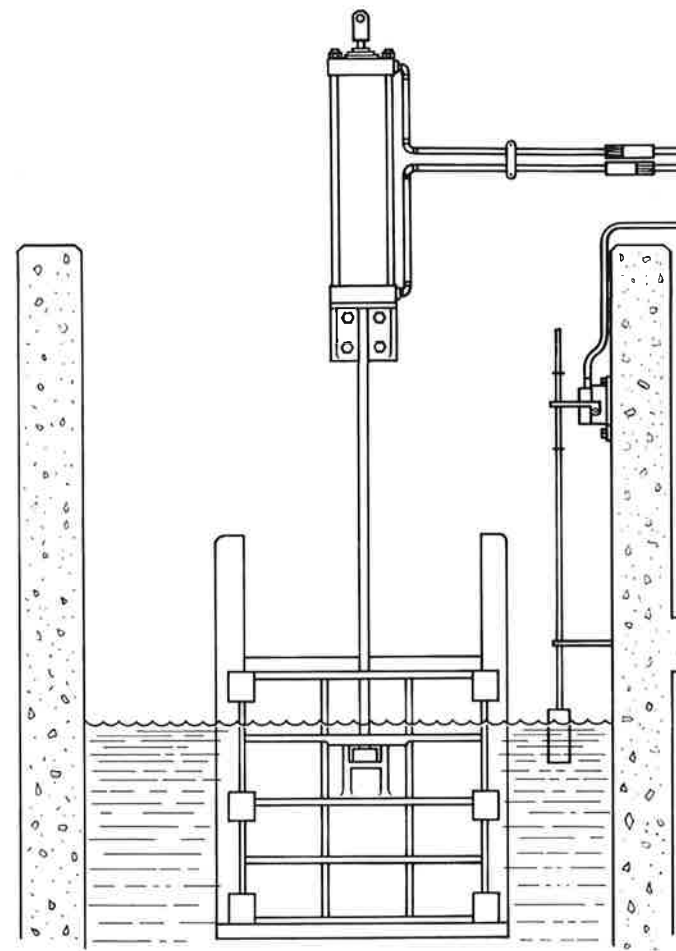


What factors limit the use of conventional sluice gates for modulating service?

Sluice gates for modulating service can experience excessive wear on the tongue of the disc and the groove in the guide. To reduce this wear a bronze liner can be placed in the groove and on the tongue so that all contact surfaces are bronze to bronze. Another important consideration on the use of sluice gates for modulating service is the use of the screw stem and nut for operation. Unless special steps are taken, accelerated wear of the nut may occur if the gates are operated frequently.

How can stem and nut wear on modulating gates be reduced?

Rapid nut wear can occur when screw stem hoists are used to operate gates in modulating service. A solution to this problem which has been used successfully in a number of installations, is the use of a cast nylon operating nut and a polished stainless steel stem. This combination has extended the life of the operating nut from a few months to years.



What is the best way to operate modulating gates?

Rodney Hunt generally recommends the use of hydraulic cylinders for this service. Hydraulic cylinders are made to oscillate and do not present the problem of stem nut wear. Fail-safe closure can be easily provided, something that is not as easily achieved with electric motor driven actuators.

Are sluice gates suitable for throttling service?

Sluice gates can be used for throttling service up to at least 40 ft. without difficulty. However, for heads over 40 ft. excessive vibration may occur. This vibration can be damaging to the gates and can cause loosening of the stem guides, reducing the support of the stem.

Placing the gate so that it is under seating head during throttling conditions will help to reduce the tendency of the disc to vibrate. Stem guides should be pinned or dowelled to the bracket in severe applications to secure them against vibration.

What are the advantages of mounting a sluice gate on a wall thimble?

A wall thimble is a heavy cast iron fitting with a machined front face which has been drilled and tapped. It is cast into the concrete when the concrete is poured and provides a smooth, flat mounting surface for the sluice gate, eliminating most of the causes of distortion of the gate. An additional advantage, although not often realized, is the ease with which a gate is removed from the wall and

reinstalled, if this becomes necessary. A wall thimble is an additional initial expense, but it eliminates the requirement for the contractor to form the opening so that the total additional cost is minimal.



Can a sluice gate be mounted to a cast iron pipe flange?

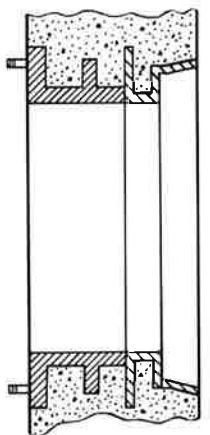
Yes. A cast iron flange is flat and rigid and is not likely to distort. The flange should be drilled and tapped if the front surface of the flange is going to be positioned flush with a concrete wall.

Does a welded steel flange provide a suitable mounting surface?

Unless the steel flange weldment is stress relieved and the face of the flange machined, the steel flange is not a suitable mounting surface. Regardless of the care used in the welding process the front flange will be distorted. If the sluice gate is mounted to this flange, distortion of the gate will result and excess leakage will occur.

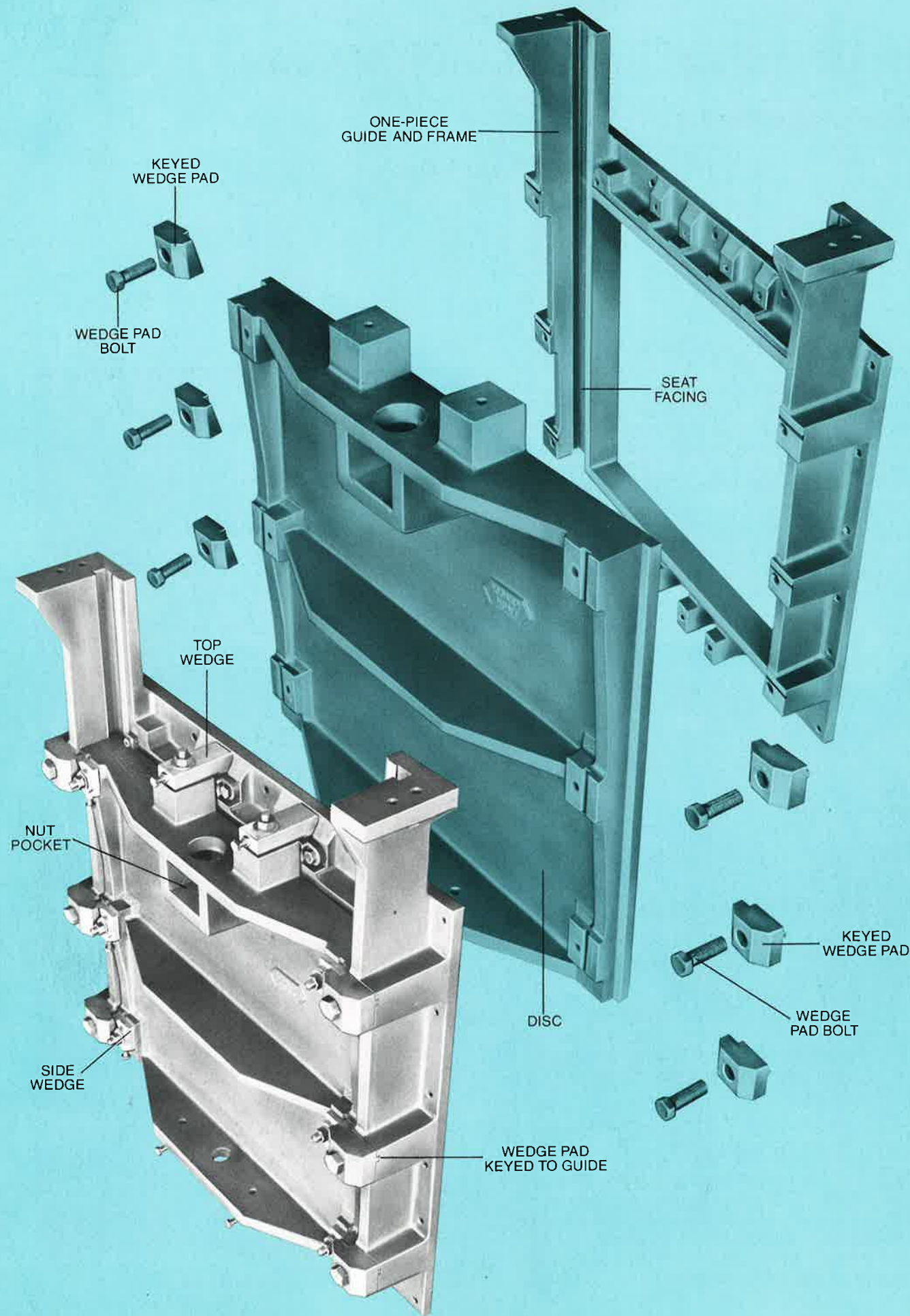
How is a sluice gate mounted to a concrete pipe?

Reinforced concrete pipe is normally furnished with a steel spigot to fit into a flange and bell adaptor. Rodney Hunt recommends that the gate not be mounted directly to the flanged surface of this flange and bell adaptor. Instead, a cast iron wall thimble should be furnished to which the flange and bell adaptor can be butted or joined. This will result in a flat machined surface on which to mount the gate and the required bell end to match the spigot provided on the concrete pipe.



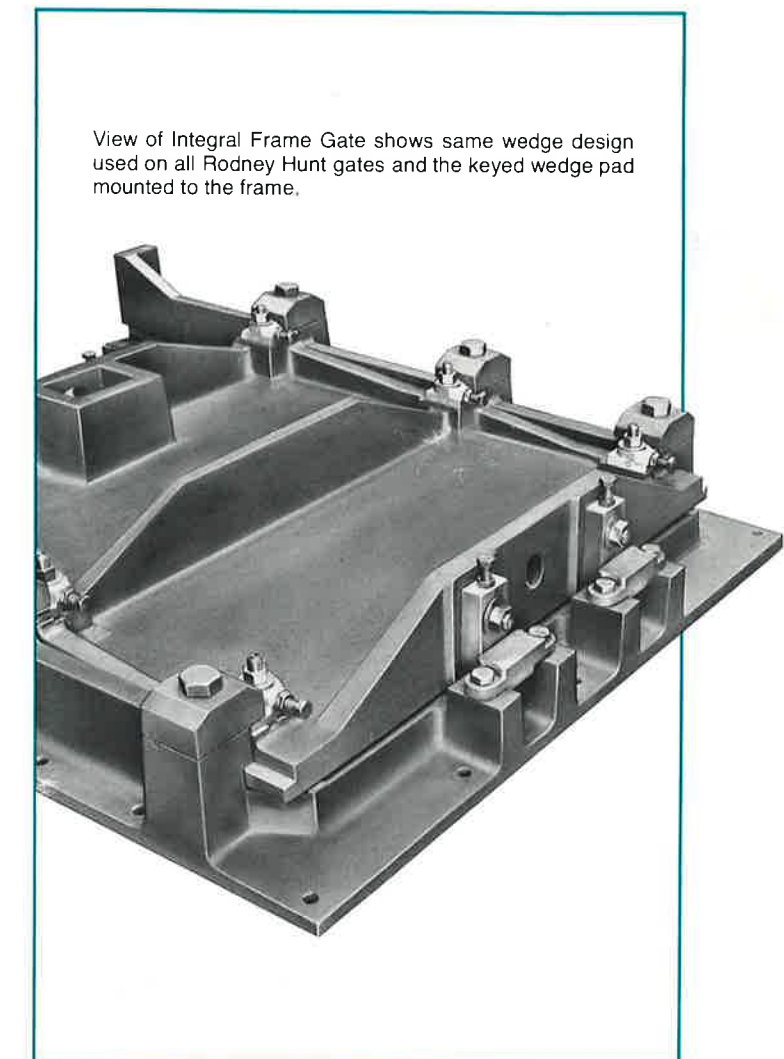
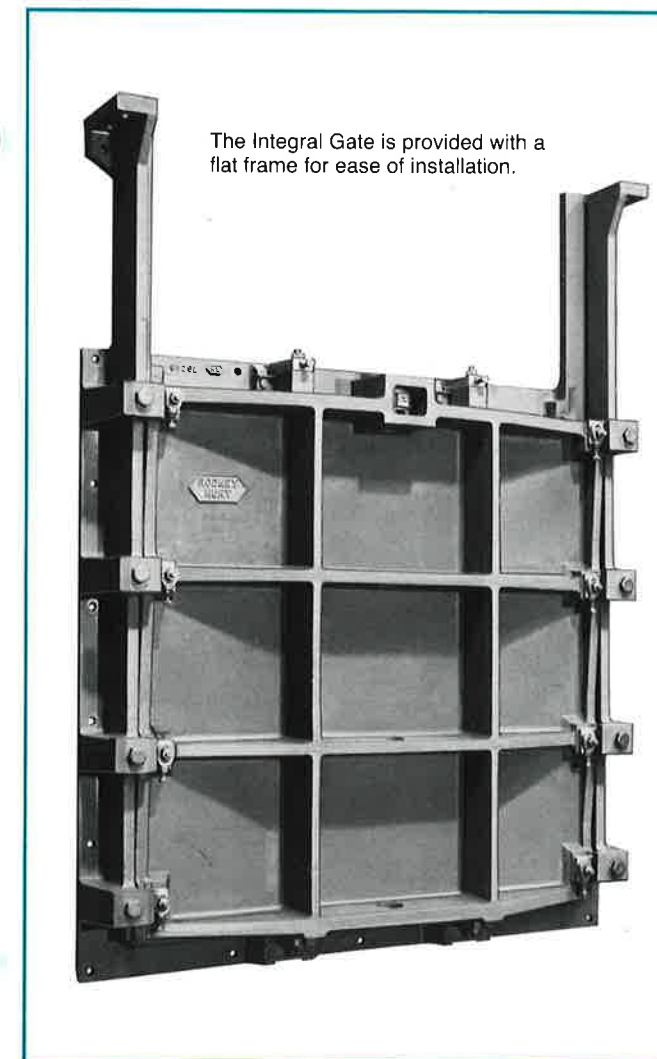
The Integral Frame Sluice Gate

For Openings 60" and Smaller



Rodney Hunt has designed an integral frame gate for openings 60" and smaller which can be used for most sluice gate applications. The gate makes use of a one-piece guide and frame with the wedge seats bolted to machined pads on the guides. Unlike similar designs, this pad is locked in place with a key and is bolted to prevent it from moving under stress. The gate has been designed to minimize the installation clearances required.

The wedging system used for the side, top and bottom wedges is the proven Rodney Hunt design where adjusting screws with lock nuts are used to precisely adjust the wedges and to lock them in place once adjusted. The gate can be furnished with or without top and bottom wedges; as a flush-bottom closure gate and as a self-contained gate.



The Wedge System

Adjustable wedges of high tensile strength cast bronze are furnished on all Rodney Hunt sluice gates. The number and location of wedges used on any gate depends on gate size and the amount and direction of water pressure acting on the sluice gate.

A gate subject to a seating head (a pressure which forces the disc and frame seats together) needs only side wedges to assure proper closure. Unseating heads, on the other hand, force the disc and frame seats apart, making additional wedges on top and bottom necessary.

There are exceptions. The HY-Q gate for unseating heads needs only top and side wedges because it makes use of a resilient seal rather than bronze seats at the invert. Gates in widths 24" and under, subject to unseating heads, are usually supplied only with side wedges because of the support inherent in the short span of the disc.

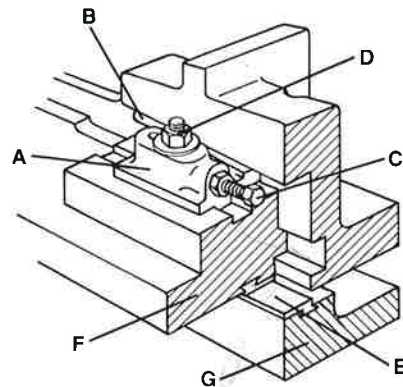
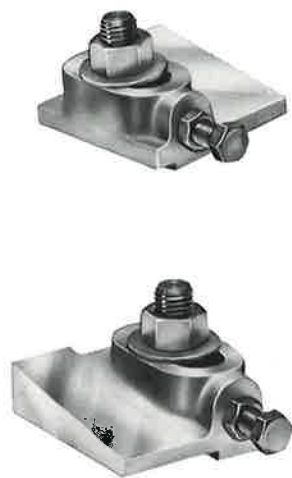
SIDE WEDGES

Side wedges are keyed directly to the sluice gate disc to prevent rotation. Because the wedge and its contact surfaces are machined to match the exact angle of the bronze wedge seat, misalignment of the wedge is not possible, even through faulty field adjustment. After the wedge has been properly set using the adjusting bolt, a lock nut and hold-down stud are used as a double-lock feature to insure permanent setting. The accuracy of this wedge system results in low unit pressures uniformly distributed over bearing surfaces.

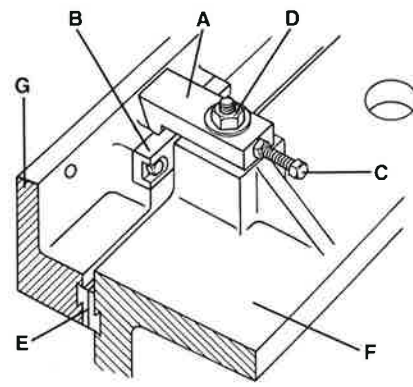
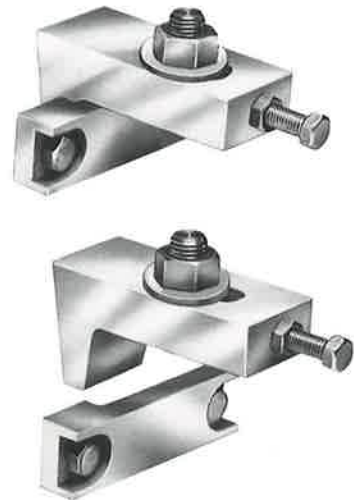
TOP AND BOTTOM WEDGES

Both top and bottom wedges make use of a bronze wedge hook and wedge loop or seat. Top and bottom wedge seats are bolted directly to the cast iron frame and keyed so that they will not move under force. The wedge hooks are provided with an adjusting bolt with a lock nut to maintain the proper setting.

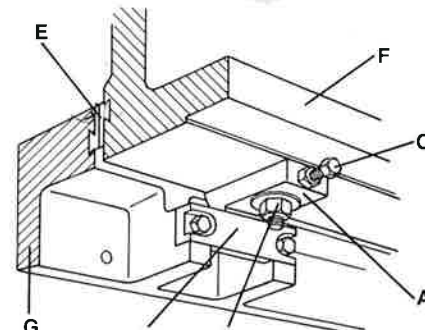
SIDE WEDGE



TOP WEDGE



BOTTOM WEDGE



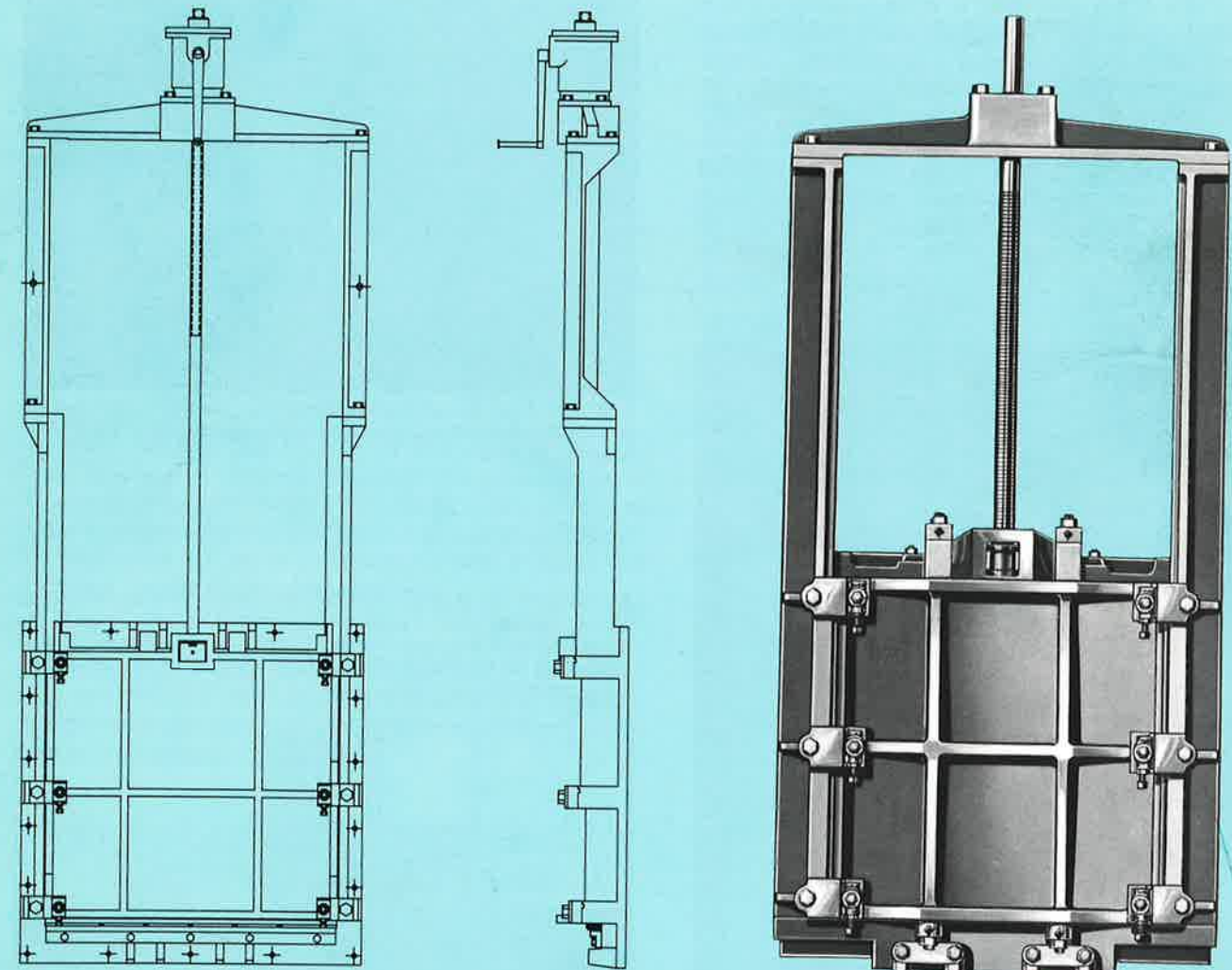
LEGEND A. BRONZE WEDGE B. BRONZE WEDGE SEAT C. BRONZE ADJUSTING SCREW WITH LOCK NUT D. HOLD DOWN BOLT E. BRONZE SEAT FACING F. GATE DISC G. GATE FRAME

The Self-Contained Sluice Gate



The self-contained gate differs from other gates in that it absorbs the operating load created during opening and closing. This is accomplished through the use of a yoke, a supporting member mounted on the top of the extended guides. The thrust required to operate the gate is transmitted by the yoke and guides directly to the gate. In the conventional gate installation the load is absorbed by the floor or structure above the gate.

All Rodney Hunt sluice gates are available as self-contained gates with yokes and with rising or non-rising stems. The self-contained gate is useful where space above the gate installation, or the absence of structural supports, limits the use of a separate operating floor-stand or benchstand.



A self-contained gate has the same general features as a conventional gate. Its cast iron frame, disc and guides are identical except that the guides are extended to provide clearance for the sliding member in the open position. A cast iron or structural steel yoke is mounted on machined pads at the top of the guides. Opening thrusts are transferred through the yoke and guides to the gate. This arrangement eliminates the transmission of operating loads to the floor above.

Self-contained gates can be furnished with non-rising stems where there is inadequate clearance above the gate for a rising stem. Because the non-rising stem may be in the medium, it cannot be cleaned and lubricated and excessive wear of the thrust nut may result. For that reason, non-rising stems should be used only when there is no alternative.

SLUICE GATES

Sizes 6"- 8"- 10"- 12"- 14"- 15"- 16"- 18"- 20"- 24"- 30"

SIZE	DESIGN HEAD FT.		DIMENSIONS							
	WIDTH x HEIGHT INCHES (MILLIMETERS)	SEAT	UNSEAT	A	B	C	D	E	F	G
6 x 6 (150 x 150)	120	75	14 (356)	6 (152)	15-1/2 (394)	15 (381)	17 (432)	5-1/4 (133)	3 (76)	
8 x 8 (200 x 200)	120	69	16 (406)	7 (178)	18-1/2 (470)	18 (457)	20 (508)	5-1/4 (133)	3 (76)	
10 x 10 (250 x 250)	96	44	18 (457)	8 (203)	21-1/2 (546)	21 (533)	23 (584)	5-1/4 (133)	3 (76)	
12 x 12 (300 x 300)	139	62	20 (508)	9 (229)	14 (356)	25 (635)	28-1/4 (718)	6-1/4 (159)	3 (76)	
12 x 18 (300 x 450)	150	75	20 (508)	14 (356)	20 (508)	32-3/4 (832)	36-3/4 (933)	8-1/2 (216)	6 (152)	
12 x 24 (300 x 600)	150	75	20 (508)	17 (432)	26 (660)	41-3/4 (1060)	49 (1245)	8-1/2 (216)	6 (152)	
14 x 14 (350 x 350)	133	45	22 (559)	10 (254)	29 (737)	28 (711)	31-1/4 (794)	6-3/4 (171)	3-3/4 (95)	
15 x 15 (375 x 375)	114	40	23 (584)	10-1/2 (267)	30-1/2 (775)	29-1/2 (749)	32-3/4 (832)	6-3/4 (171)	3-3/4 (95)	
16 x 16 (400 x 400)	96	35	24 (610)	11 (279)	32 (813)	31 (787)	34-1/4 (870)	6-3/4 (171)	3-3/4 (95)	
18 x 12 (450 x 300)	62	41	28 (711)	11 (279)	14 (356)	23-3/4 (603)	27-3/4 (705)	8-1/2 (216)	5-3/4 (146)	
18 x 18 (450 x 450)	74	54	28 (711)	14 (356)	20 (508)	32-3/4 (832)	36-3/4 (933)	8-1/2 (216)	5-3/4 (146)	
18 x 24 (450 x 600)	107	73	28 (711)	17 (432)	26 (711)	41-3/4 (1060)	45-3/4 (1162)	8-1/2 (216)	6 (152)	
18 x 30 (450 x 750)	150	58	28 (711)	20 (508)	32 (813)	50-3/4 (1289)	54-3/4 (1391)	9 (229)	6 (152)	
18 x 36 (450 x 900)	70	58	28 (711)	23 (584)	38 (965)	59-3/4 (1518)	63-3/4 (1619)	9 (229)	6 (152)	
20 x 20 (500 x 500)	70	55	30 (762)	15 (381)	21 (533)	35-3/4 (908)	41-1/2 (1054)	8-1/2 (216)	6 (152)	
24 x 12 (600 x 300)	54	41	34 (864)	11 (279)	14 (356)	24 (610)	31 (787)	8-1/2 (216)	6 (152)	
24 x 18 (600 x 450)	60	55	34 (864)	14 (356)	20 (508)	33 (838)	40 (1016)	8-1/2 (216)	6 (152)	
24 x 24 (600 x 600)	60	55	34 (864)	17 (432)	26 (660)	42 (1067)	49 (1245)	8-1/2 (216)	6-1/4 (159)	
24 x 30 (600 x 750)	53	31	34 (864)	20 (508)	32 (813)	51 (1295)	58-1/4 (1480)	9-1/4 (235)	6-1/4 (159)	
24 x 36 (600 x 900)	45	41	34 (864)	23 (584)	38 (965)	60 (1524)	67-3/4 (1721)	9-1/2 (235)	6-1/4 (159)	
24 x 42 (600 x 1050)	84	47	35-1/2 (902)	26 (660)	44 (1118)	69 (1753)	82 (2083)	9-1/2 (235)	6-1/4 (159)	
24 x 48 (600 x 1200)	78	56	35-1/2 (902)	29 (737)	50 (1270)	78 (1981)	91 (2286)	10 (254)	6-1/4 (159)	
30 x 12 (750 x 300)	85	64	40 (1016)	11 (279)	14 (356)	24 (610)	31 (787)	8-1/2 (216)	6 (152)	
30 x 18 (750 x 450)	46	43	40 (1016)	14 (356)	20 (508)	33 (838)	40 (1016)	8-1/2 (216)	6 (152)	
30 x 24 (750 x 600)	54	29	40 (1016)	17 (432)	26 (660)	42 (1067)	49 (1245)	8-1/2 (216)	6-1/4 (159)	
30 x 30 (750 x 750)	60	35	40 (1016)	20 (508)	32 (813)	51 (1295)	58-1/4 (1480)	9-1/4 (235)	6-1/4 (159)	
30 x 36 (750 x 900)	60	40	40 (1016)	23 (584)	38 (965)	60 (1524)	67-3/4 (1721)	9-1/2 (241)	6-1/4 (159)	
30 x 42 (750 x 1050)	56	38	41-1/2 (1054)	26 (660)	44 (1118)	69 (1753)	82 (2083)	9-1/2 (241)	6-1/4 (159)	
30 x 48 (750 x 1200)	52	35	41-1/2 (1054)	29 (737)	50 (1270)	78 (1981)	91 (2311)	10 (254)	6-1/4 (159)	

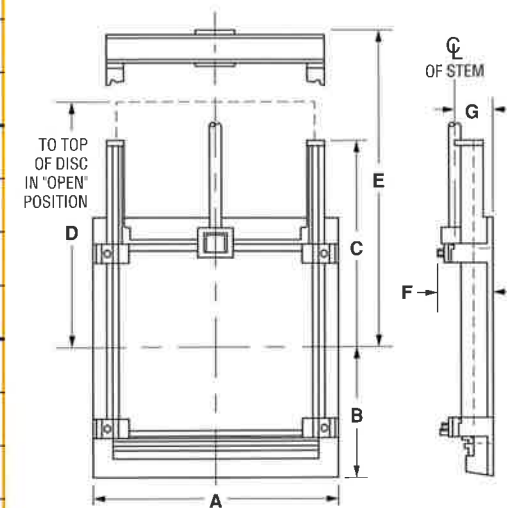
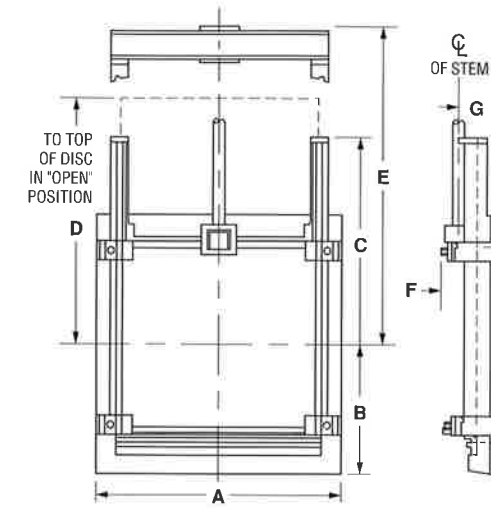
For gates 6 - 24" (150 - 600 mm) to be mounted on pipe flanges, the dimensions "F" and "G" are increased by 2-1/2" (64mm).

For 30" (750mm) gates to be mounted on pipe flanges, the dimensions "F" and "G" are increased 3" (76mm).

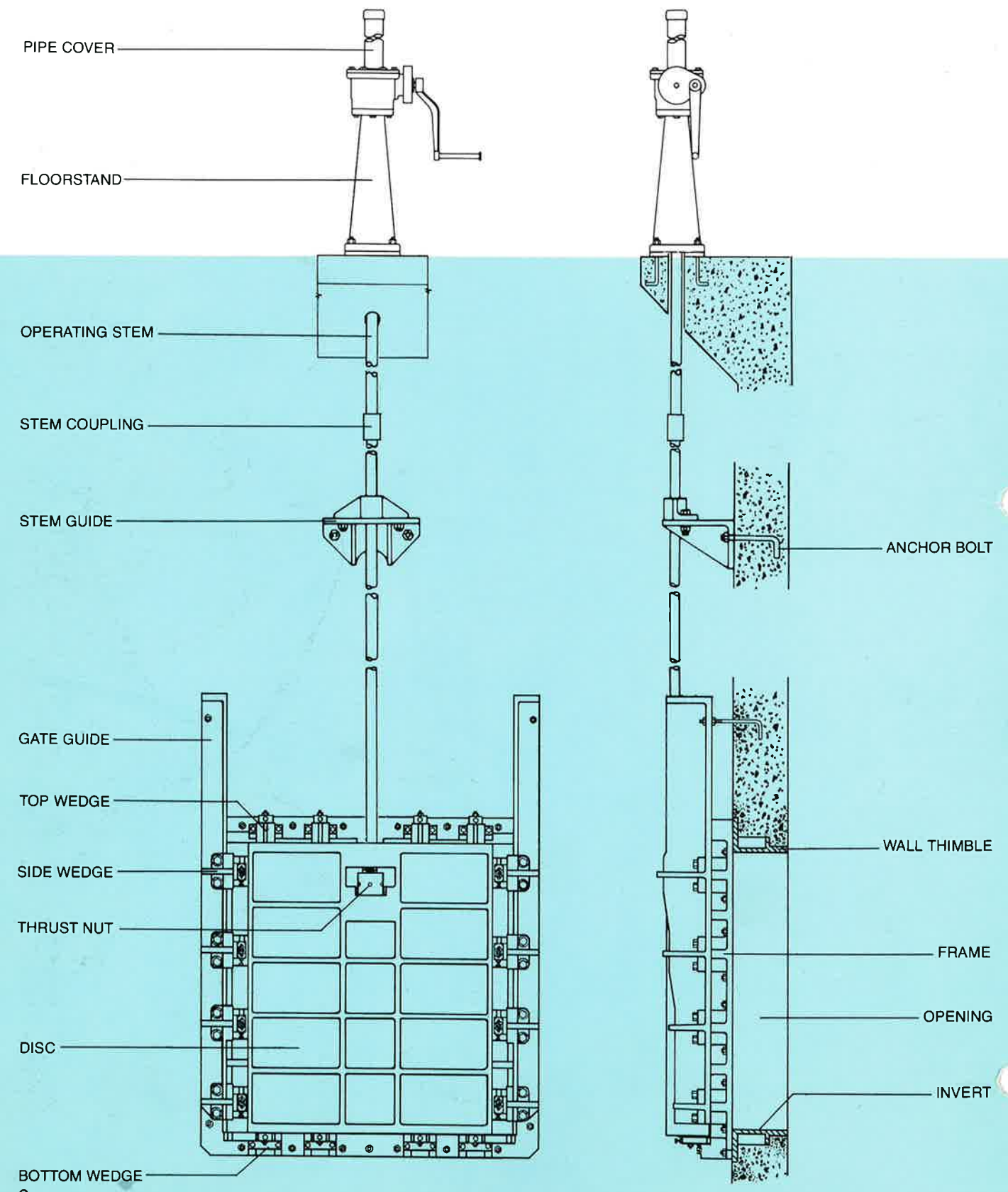
SLUICE GATES

Sizes 36"- 42"- 48"

SIZE	DESIGN HEAD FT.		DIMENSIONS							
	WIDTH x HEIGHT INCHES (MILLIMETERS)	SEAT	UNSEAT	A	B	C	D	E	F	G
36 x 18 (900 x 450)	88	40	46 (1168)	14 (356)	20 (508)	33 (838)	40 (1016)	8-1/2 (216)	6 (159)	
36 x 24 (900 x 600)	82	30	46 (1168)	17 (432)	26 (660)	42 (1067)	49 (1245)	8-1/2 (216)	6-1/4 (210)	
36 x 30 (900 x 750)	60	36	46 (1168)	20 (508)	32 (813)	51 (1295)	58-1/4 (1480)	9-1/2 (241)	6-1/4 (210)	
36 x 36 (900 x 900)	60	30	46 (1168)	23 (584)	38 (965)	60 (1524)	67-3/4 (1721)	9-1/2 (241)	6-1/4 (210)	
36 x 42 (900 x 1050)	76	43	47-1/2 (1207)	26 (660)	44 (1118)	69 (1753)	82 (2083)	9-1/2 (241)	6-1/4 (210)	
36 x 48 (900 x 1200)	65	30	47-1/2 (1207)	29 (737)	50 (1270)	78 (1981)	91 (2311)	10 (254)	6-1/4 (210)	
36 x 48 (900 x 1200)	240	95	49-1/2 (1257)	30-3/4 (781)	51-1/2 (1308)	81-1/2 (2070)	93-1/2 (2375)	15-1/4 (387)	9-1/2 (241)	
36 x 60 (900 x 1500)	213	84	49-1/2 (1257)	36-3/4 (933)	63-1/2 (1613)	99-1/2 (2527)	111-1/2 (2832)	16-1/2 (419)	9-1/2 (241)	
36 x 72 (900 x 1800)	244	101	49-1/2 (1257)	42-3/4 (1086)	75-1/2 (1918)	117-1/2 (2985)	129-1/2 (3289)	16-1/2 (419)	9-1/2 (241)	
42 x 24 (1050 x 1050)	90	21	53-1/2 (1359)	17 (432)	26 (660)	42 (1067)	48-1/4 (1226)	8-1/2 (216)	6 (152)	
42 x 30 (1050 x 750)	88	25	53-1/2 (1359)	20 (508)	32 (813)	51 (1295)	58-1/4 (1480)	9-1/4 (235)	6-1/4 (210)	
42 x 36 (1050 x 900)	88	24	53-1/2 (1359)	23 (584)	38 (965)	60 (1524)	67-3/4 (1721)	9-1/2 (241)	6-1/4 (210)	
42 x 42 (1050 x 1050)	87	23	53-1/2 (1359)	26 (660)	44 (1118)	69 (1753)	82 (2083)	9-1/2 (241)	6-1/4 (210)	
42 x 48 (1050 x 1200)	80	20	53-1/2 (1359)	29 (737)	50 (1270)	78 (1981)	91 (2311)	10 (254)	6-1/4 (210)	
48 x 24 (1200 x 600)	58	21	59-1/2 (1511)	17 (432)	26 (660)	42 (1067)	49 (1245)	8-1/2 (216)	6-1/4 (159)	
48 x 30 (1200 x 750)	60	32	59-1/2 (1511)	20 (508)	32 (813)	51 (1295)	58-1/4 (1480)	9-1/4 (235)	6-1/4 (159)	
48 x 36 (1200 x 900)	62	27	59-1/2 (1511)	23 (584)	38 (965)	60 (1524)	67-3/4 (1721)	9-1/2 (241)	6-1/4 (159)	
48 x 42 (1200 x 1050)	65	32	59-1/2 (1511)	26 (660)	44 (1118)	69 (1753)	82 (2083)	9-1/2 (241)	6-1/4 (159)	
48 x 48 (1200 x 1200)	69	16	59-1/2 (1511)	29 (737)	50 (1270)	78 (1981)	91 (2311)	10 (254)	6-1/4 (159)	
48 x 48 (1200 x 1200)	150	60	61-1/2 (1562)	30-3/4 (781)	51-1/2 (1308)	81-1/2 (2070)	93-1/2 (2375)	15-1/4 (387)	9-1/2 (241)	
48 x 54 (1200 x 1350)	150	60	61-1/2 (1562)	33-3/4 (857)	57-1/2 (1461)	90-1/2 (2299)	102-1/2 (2604)	15-1/4 (387)	9-1/2 (241)	
48 x 60 (1200 x 1500)	150	60	61-1/2 (1562)	36-3/4 (933)	63-1/2 (1613)	99-1/2 (2527)	111-1/2 (2832)	16-1/2 (419)	9-1/2 (241)	
48 x 72 (1200 x 1800)	150	60	61-1/2 (1562)	42-3/4 (1086)	69-1/2 (1765)	117-1/2 (2985)	129-1/2 (3289)	16-1/2 (419)	9-1/2 (241)	
48 x 84 (1200 x 2100)	150	60	61-1/2 (1562)	48-3/4 (1238)	75-1/2 (1918)	135-1/2 (3442)	147-1/2 (3747)	17-3/4 (451)	9-1/2 (241)	
48 x 96 (1200 x 2400)	150	60	61-1/2 (1562)	54-3/4 (1391)	81-1/2 (2070)	153-1/2 (3899)	165-1/2 (4204)	17-3/4 (451)	9-1/2 (241)	



For gates 36" (900 mm) - 48" (1200 mm) to be mounted on pipe flanges, the dimensions "F" and "G" are increased as follows:
 36" (900 mm) — increase 3-1/2" (89 mm)
 42" (1050 mm) — increase 4" (102 mm)
 48" (1200 mm) — increase 4-1/4" (108 mm)



SLUICE GATE DIMENSIONS

Actual dimensions for sluice gates suitable for the design head listed are presented in this section of the catalog. It is now possible for the consulting engineer to choose a specific Rodney Hunt gate he desires and design the application accordingly. The gates are listed by width with the various heights for each width gate indicated and the design seating and unseating heads are shown.

Example:

The installation requires a 60" x 72" gate for a head of 90 ft. seating and 32 ft. unseating. The 60" x 72" gate is shown on Page 14 and there are three heads for which this gate is designed; 80 ft. seating, 25 ft. unseating; 130 ft. seating, 45 ft. unseating; and 180 ft. seating, 90 ft. unseating. The proper gate for this application is a gate suitable for a head of 130 ft. seating and 45 ft. unseating.

The dimensions for this gate are shown. If the installation requirement was for 90 ft. seating only with no unseating head, then the same gate would be used but no top and bottom wedges would be furnished.

The sluice gates listed are not the only gates available from Rodney Hunt, but are the most common sizes and design heads. For information on gates not listed, please contact the Rodney Hunt representative in your area or the factory direct.

HOW TO SPECIFY

Because of the number of gates involved, the heads for which these gates are suitable and the several configurations in which the gate can be furnished, Rodney Hunt does not describe these gates by series numbers. The best way to describe the gate is by size of gate and the head for which it is designed, such as 60" x 72", 130-45. If the gate is to be flush-bottom closure the words HY-Q can be used following the design heads. This way the gate is positively designated.

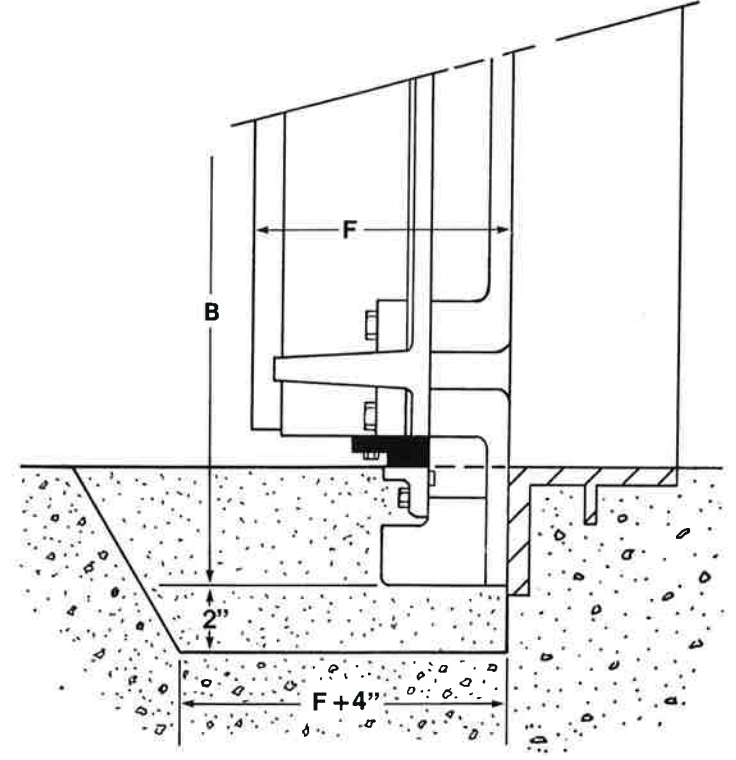
DESIGN HEAD VS. OPERATING HEAD

The design head is the maximum head the gate has been designed to withstand.

The operating head is the head under which the gate is to be opened and closed. The operating head is used to determine the size of hoist and stem that is required to operate the gate and should be listed in the project specifications in addition to the design heads.

FLUSH-BOTTOM CLOSURE SLUICE GATE

Where the flush-bottom closure sluice gate is used, it is necessary to provide a cut-out in the concrete beneath the opening. The dimensions of this cut-out depend upon the size of the gate; specifically, Dimensions B and F as given in the following tables. The drawing shown here illustrates the size of concrete cut-out for all gates based on these two dimensions.



Thank you for supporting the Department of Natural Resources!

DNR is committed to the wise use of the state's resources *and* our tax dollars.

As directed by State of Indiana procurement laws and Indiana Department of Administration (IDOA) policy, all entities ("suppliers") conducting business with DNR must be registered before we can finalize a solicitation award, create a purchase order, execute a contract, or make a payment.

WE GET IT: Doing business with the State can seem overwhelming.

Assistance is available through IDOA's *Vendor and Supplier Resource Center* at <https://www.in.gov/idoa/3106.htm>.

You'll also find registration forms and links, as well as detailed information on State bidding opportunities, purchasing terminology, supplier responsibilities, technical support, and more.

Communicating with DNR is easy.

Because DNR divisions and properties make their own procurement decisions, communicating directly with them about your products and services is best. Contact information is available on DNR's website at <https://www.in.gov/dnr/>.

Additionally, the DNR Division of Purchasing is happy to distribute electronic information on your behalf. Feel free to email your request to DNRPurchase@dnr.in.gov.

REGISTRATIONS TO BE A STATE SUPPLIER

1. Auditor of State (AOS)

Required for all suppliers, payments, and dollar amounts.

Complete the two forms listed below to create a new account, update an inactive account, or modify information on an existing account (e.g. address, bank account, business name). Submit completed forms to your DNR contact person OR email them directly to DNRVendorForms@dnr.in.gov.

- ***Request for Taxpayer Identification Number and Certification*** (IRS W-9, October 2018)
- ***Automated Direct Deposit Authorization Agreement*** (State Form 47551; R7/5-18)

2. IDOA Bidder Profile

Required for purchases costing \$1,500 or more and creation of a purchase order, grant, or contract, even if not technically "bidding" for anything. Upon registration, suppliers receive a unique ID which allows DNR to select them for purchase orders and payments. Suppliers can also complete information in their Bidder Profile to identify to the State what kind of business they are or products they sell.

3. Secretary of State (SOS) Business Registration

Except for Sole Proprietorships and General Partnerships, suppliers must register per IC 23-1-49-1 for purchases costing \$1,500 or more and creation of a purchase order, grant, or contract. Suppliers may not need to register for a one-time purchase.

Indiana businesses are likely already registered. Out-of-state suppliers may need to register and/or secure an Indiana agent. Initial registration costs \$90, with a \$30 fee every two years to remain current. Contact the SOS for detailed advice.

4. Tax Clearances

DNR cannot issue a purchase order to or execute an agreement with a supplier who owes taxes to the State of Indiana. Suppliers must be current with all tax payments to the Indiana Department of Revenue (<https://www.in.gov/dor/>) and the Indiana Department of Workforce Development (<https://www.in.gov/dwd/>). DNR cannot provide tax-related information or advice.

Date: 01/09/2023

**Addendum No. 2
For Project No. 300DM-72012-06**

Description: Hardy Lake Dam Valves Replacement

Location: Hardy Lake Reservoir, Scott County

FOR AGENCY: Department of Natural Resources

The information contained in this Addendum shall become a part of the basic plans and specifications the same as if original incorporated therein. The original plans and specifications shall remain in their entirety, except as modified by this Addendum. The items herein shall supersede information in the specifications and on the plans.

ITEM No. 1: Contractor Question: Is there alternate gate mounting designs allowed? A: Yes, alternate gate mounting designs are allowed provided the performance meets the specifications.

ITEM No. 2: Contractor Question: Can the existing thimble be used for the 36" gate? A: Yes. The existing thimbles can be used for the replacement of any of the gates provided the performance meets the specifications.

ITEM No. 3: Clarification from Addendum #1: The 3rd to last question referenced an incorrect elevation. The 1968 design drawings referenced the centerline of the 36" gate openings at 567.0' and 570.0'. The centerline of the interior gate is 567.0' instead of the 570.0'. There should be 2-1/8" between the floor and the bottom of the thimble based on these elevations.

ITEM No. 4: Contractor shall not be allowed extra compensation by any matter or thing concerning which the Contractor could have fully informed their self prior to bidding. In this case, the best available information are the 1968 plans, videos, and reports from the underwater inspections. Alternate gate mounting designs and the use of the existing thimble should be based on the available information.

END OF ADDENDUM

State Form 21208R4

DAPW-118