

SECTION 01 11 00 – SUMMARY OF WORK

PART 1 – GENERAL

1.1 WORK UNDER THIS CONTRACT

- A. The work consists of furnishing all labor, materials, and equipment necessary to complete the following work:
1. Procurement, on-site delivery, offloading, and installation of the specified precast double vault toilet and related site improvements, and removal of the existing vault toilet(s) and restoration of the existing site. Reference attached site plans and the following for additional information.
 - a. Provide steel highway plates and ballast stone fill as needed in ditches, etc. to facilitate required turning radii. Remove stone and restore lawns and ditches to original condition.
 - b. Provide dewatering within pits as needed to complete the work.
 2. Exterior concrete slabs:
 - a. Welded steel wire fabric 6x6 W1.4/W1.4, sheets only. Welded Wire Fabric: ASTM A1064.
 - b. Concrete reinforcement ASTM A615 Grade 60.
 - c. Turn down perimeter 24" minimum below finish grade.
 - d. Provide control joints to meet ACI Standards.
 - e. Landings at doors to slope 1:50 maximum and drain away from the building.
 - f. The location of the stoops shall be ADA compliant (minimum 18" concrete on handle side).
 - g. Walks: 6" Thick x 6' Wide over suitable base
 - h. ADA Parking and Access Aisles: 6" Thick x 17' Wide x 22' Long over suitable base.
 - i. Reference site drawings for additional information.
 3. Exterior concrete:
 - a. Minimum 28-day compressive strength 4000 psi
 - b. All concrete subject to freeze-thaw conditions shall be air entrained. Air content 6% (+- 1%), Air Entraining Admixture ASTM C260
 - c. Portland Cement (Gray) ASTM C150 Type I or III
 - d. Water clean and potable
 - e. Coarse Aggregate: crushed stone, INDOT size #8, ASTM C33
 - f. Fine Aggregate: sand, INDOT size #23, ASTM C33
 - g. High range water reducing admixture ASTM C494, Type F or G
 - h. Synthetic Fiber Reinforcing: 3/4" virgin nylon fibers, by NYCON Inc. or approved equal

- i. Concrete curing compound ASTM C309, Type-1, Class “B”.
 - j. Provide broom finish with troweled edges.
 4. Reference Section 03 45 38 - PRECAST DOUBLE VAULT TOILET for additional information.
 5. Public and private utility locates, protections, and coordination.
 - a. Reference attached site plan, if any, for approximate location of known, below grade infrastructure in the project area at Indiana Dunes State Park. Field verify all utilities as required.
 6. Provide vault toilet building demolition and daily cleanup of work site. Contractor is responsible for pumping tanks and removal of all construction waste material. All debris, including below grade plastic tanks ~~and concrete~~ and above grade concrete and related building materials shall be hauled to certified landfill. Fill hole and ruts with topsoil and restore lawn of all project areas to provide a smooth grade around the building.
 - a. After pumping, below grade concrete vaults may be broken up to allow for drainage and left in place. Breakup or drill holes in bottom of concrete vaults and knock down side walls to at least 18-inches (minimum) below finished grade.
 7. Finish grading/tapering around building to provide positive drainage once structure is complete. Refer to plans for seeding instructions. Evenly spread saved topsoil and seed all disturbed areas.
 8. ADA Signage. Provide ADA compliant signage on steel post.
- B. Location and Access to Sites:
1. Prebid / Site Review meetings are scheduled for February 15th. Reference the Notice to Bidders for additional information,
 2. Property Manager Contacts:
 - a. **Indiana Dunes State Park Office; 219-926-1952, 1600 N 25 E, Chesterton, IN 46304**
 3. Access to the Tremont Shelter Area involves crossing a corrugated metal pipe culvert and a concrete culvert, which do not have established load ratings.
 4. Access to the North Orchard Area involves crossing the Wilson Road Bridge.

5. Reference Section 00 31 19 - EXISTING CONDITION INFORMATION for additional information.

1.2 COORDINATION OF PLANS, SPECIFICATIONS AND PAY ITEMS

- A. These specifications and plans are essential parts of the contract. A requirement occurring in one is as binding as though occurring in all. They are intended to be complementary and to describe and provide for a complete work. In case of discrepancy, calculated dimensions will govern over scaled dimensions; and the following relationships apply:
- B. Instruction to Bidders hold over plans and specifications, and plans hold over specifications.

1.3 RIGHTS OF ACCESS

- A. The Contractor agrees that representatives of the Owner, Environmental Protection Agency, U.S. Army Corps of Engineers, and the State of Indiana will have access to the work wherever it is in preparation or progress and that the Contractor will provide facilities for such access and inspection.

1.4 DISCOVERY OF HAZARDOUS MATERIAL

- A. The presence of hazardous materials is unknown in the work area. However, if during the course of this work, the existence of hazardous material is observed in the work area, the Contractor shall immediately notify the Owner in writing. The Contractor shall not perform any work pertinent to the hazardous material prior to receipt of special instructions from the Owner. Should any hazardous material control measures be required, the cost thereof shall be handled by an appropriate Change Order or a separate contract or subcontract with Owner.

1.5 OPERATIONS WITHIN PROJECT PROPERTY LIMITS

- A. Under no circumstances shall construction activities take place outside the property lines of the project site.

1.6 ALTERNATE BIDS

- A. Voluntary alternate bids will not be accepted.

1.7 SALES TAX

- A. Sales tax shall not be charged on the bid price of this project.

1.8 CONSTRUCTION PROGRESS SCHEDULE

- A. The Contractor shall submit to the Code Administrator, prior to start of construction, a detailed schedule showing the order in which he proposes to carry on the work and estimated dates of completion of the various parts. The schedule shall be implemented upon approval of the Project Manager.
- B. The construction schedule shall be revised and updated monthly and submitted to the Code Administrator. It is the Contractor's responsibility to complete the work within the time allotted.
- C. All work required by the Contract Documents shall be completed by October 15, 2024.
 - 1) Work can begin after archaeology investigations are complete and whenever the Contractor is ready to begin, but the timing must be coordinated with the Property Manager at least 4 weeks in advance. Peak season runs from Memorial Day weekend through Labor Day weekend. Any work before Labor Day may involve long wait times for park access, even during the week, and the Park will be heavily occupied.
 - 2) Archaeology investigations will begin as soon as the weather permits. An estimated timeline is being developed.

1.9 CODE REQUIREMENTS AND MANUFACTURER'S INSTRUCTIONS

- A. All work shall meet or exceed all current codes and standards, all current rules and regulations and all applicable requirements of Federal, State and Local Authorities having jurisdiction, including the Americans with Disabilities Act of 1990 amended to date.
- B. In the case of conflicts between state and local codes or regulations, State Codes or State regulations shall prevail. All required approvals for compliance with Fire and Building Services Division of Homeland Security, health regulations, historic preservation or archaeological clearances, floodway construction or state highway crossing may have been obtained by the owner unless stated otherwise in the contract documents.

The following permits have been applied for and shall be obtained prior to beginning work:

- 1. No permits have been applied for any projects under this scope.

The Contractor shall be responsible for the project under all permits, may speak directly to the applicable regulatory agency, and adhering to all requirements of approved permits. The Contractor shall be responsible for ensuring that all work meets the terms of required permits, and their GENERAL AND SPECIAL CONDITIONS. The Contractor shall be responsible for notifying the Code Administrator of any work that does not meet the requirements of the permits.

- C. The Contractor shall be required to comply with all OSHA or IOSHA regulations as may be applicable to this project and obtain all permits that may be required for compliance.

- D. If the Contractor observes that any of the contract documents are at variance with the printed application instructions of any Manufacturer in any respect, he/she shall promptly notify the Code Administrator in writing.
- E. If the Contractor performs any work contrary to State Building and other Codes, Regulations, Ordinances, or Manufacturer's printed instructions without notice to the Code Administrator, the contractor shall bear the cost arising from such non-conformance.

1.10 NOTIFICATIONS

- A. Upon notice of bid award, the Contractor shall notify the Code Administrator to establish communications for the above project(s). The notification may be by mail or email to the Code Administrator's following mail or e-mail address:

Code Administrator:	<u>Randy Craven</u>
Phone:	<u>317-605-1983</u>
Email:	<u>RCraven@dnr.in.gov</u>

1.11 WORKING HOURS

- A. The Contractor shall perform all related activities on Monday through Friday excluding State holidays, between the hours of 7:00 a.m. and 6:00 p.m. local time, unless alternate arrangements are made and approved by the Property Manager or his representative.
- B. All work performed at other times shall only by the approval of the Property Manager or his representative, confirmed in writing, and shall not constitute a change in the contract amount.
- C. The Contractor shall plan all material deliveries during normal working hours, shall be responsible for receiving and deliveries, and shall properly protect delivered materials while being stored on the property. The Property Manager or his representative will not sign for any deliveries.
 1. Contractor is responsible for control of traffic by vehicles and persons within the limits of its operations.
 2. Parking for employees, subcontractors, and agents of Contractor shall be in areas subject to approval of Owner.
 3. Access to the site for delivery of construction material of equipment shall be subject to approval of Owner.

1.12 PRE-CONSTRUCTION / SERVICE MEETING

The Contractor and his/her Subcontractor (if any) shall attend a pre-construction/pre-service meeting with the Property Manager and/or his representative at the work site. The date for this meeting shall be scheduled by the Property Manager within 14 days

after the contract is awarded unless Property Manager has approved alternate arrangements.

A. Tree Removal

1. The Contractor shall mark all trees designated for removal with survey tape. Once all trees designated for removal are marked, the Contractor shall schedule a separate pre-construction meeting with the Owner to approve all tree removals. Once tree removals are approved the Contractor may proceed with removal.
 - a. Without completing special inspection requirements, trees may only be removed during the inactive bat season, which is October 1 through March 31. Tree trimming and removal shall be minimized as much as possible.

B. Responsibility for Damage or Destruction as a Result Flooding

1. The Contractor shall be responsible for any and all damage that may occur at the site within the construction limits as a result of floods, and shall replace or restore damaged structures or features of the work, whether of a permanent or temporary character, at no additional cost to the Owner. The Contractor shall have no basis of claims because of floods occurring during the construction period unprecedented in magnitude or frequency.

C. Emergency Access

1. The Contractor shall be responsible for maintaining safe driveway access and access within the parking lot and to the building at all times. During operations, the Contractor shall coordinate with the Owner to provide an alternate sidewalk access. The Contractor shall be responsible for maintaining vehicular access to the parking lot areas at all times.

1.13 SITE CONDITIONS

- A. Preliminary to the bidding, bidders are strongly encouraged to visit the site of the proposed work and thoroughly familiarize him/herself as to the nature and location of the work, general conditions, and the kind of equipment needed during the execution of the work. Failure to visit the site before bidding does not relieve the Contractor of responsibilities for anything that he/she would be made aware had he/she visited.

1.14 PROTECTION OF FACILITIES AND PREMISES

- A. **The Contractor SHALL** be responsible for the protection of all facilities during the entire period of service. Any damages to the existing facilities, roads, lawns, driveways, or other State owned property caused by the contractor SHALL be repaired by the Contractor at his/her expense and in a manner and schedule approved by the Property Manager.

- B. **The contractor SHALL** confine his/her operations and the storage of materials and equipment within an area approved by the Property Manager or his representative.
- C. **The Contractor SHALL**, at all times, keep the premises free from accumulation of waste materials or rubbish caused by his/her employees or work and prevent the spread of this debris during windy conditions. At the completion of the work, the Contractor SHALL leave the premises in a neat, clean, and orderly fashion.
- D. **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 seeds 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/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 AND CONSTRUCTION AREAS

- A. Provide and maintain vehicular access to the site and within the site for use by persons and equipment involved in the construction of the project. Maintain access roads and driveways with sufficient rock, stone, or gravel to provide a suitable support for vehicular traffic under anticipated loads.
- B. Provide and maintain temporary parking facilities for use by construction personnel and the Owner. Maintain parking facilities free of construction materials, mud, snow, ice and debris.
- C. Restore areas to original or to specified conditions shown on the drawings at completion of the work.
- D. The Contractor shall confine the construction operations and storage of materials within the project construction work limits.
- E. Soil disturbance outside of the construction limits is prohibited.
- F. Except for permanent site improvements provided under the Contract, Contractor shall restore property disturbed during the Work to the conditions which previously existed.
- G. Parking and Deliveries:
 - 1. Contractor is responsible for control of traffic by vehicles and persons within the limits of its operations.
 - 2. Parking for employees, subcontractors, and agents of Contractor shall be in areas subject to approval of Owner.
 - 3. Access to the site for delivery of construction material of equipment shall be subject to approval of Owner.

- H. The Contractor shall be responsible for the protection of all facilities during the entire period of service. Any damages to the existing facilities, roads, lawns, driveways, or other State-owned property caused by the contractor shall be repaired by the Contractor at his/her expense and in a manner and schedule approved by the Owner.
- I. 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 seeds that may be attached to the equipment.
- J. The Contractor shall, at his expense, be responsible to repair any and all damage to the State property's roads and drainage structures caused by his equipment and/or personnel from project site. Areas to be repaired shall be done by using similar material and be approved by the Owner.

1.16 UTILITIES

- A. The Contractor shall be responsible for calling in utility locations prior to beginning construction. The Contractor shall notify the Engineer immediately if existing utilities are found to be in conflict with proposed improvements.

1.17 DUST AND NOISE CONTROL

- A. Dust shall be minimized by use of water. Noise shall be minimized by use of properly constructed and maintained equipment provided with suitable mufflers, snubbers, and other sound attenuating devices and supports. Erosion shall be controlled in such a manner that soil particles from the construction site are prevented from entering public waters or from being deposited on neighboring property, streets, and highways.

1.18 SAFETY AND HEALTH PLAN

- A. **The Contractor SHALL** be required to comply with all OSHA or IOSHA regulations as may be applicable to this project and obtain all permits that may be required for compliance.
- B. **The Contractor SHALL** prepare a safety and health plan that identifies the safety requirements of the project, procedures to follow in case of an emergency, accident, injury, or illness and make this plan available to all employees, and sub-contractors complete with persons and/or phone numbers to call for all who are working at this site. This plan **SHALL** be given to the Code Administrator or his representative prior to the start of work and posted at the job site.
- C. **The Contractor SHALL** understand that the Property, DNR Engineering, nor the State of Indiana DOES NOT bare any responsibility for the cost of injuries to Contractor or Sub-Contractor, or their employees injured during the course of the contract. The **Contractor SHALL** be responsible for the transport of injured employees needing medical or other attention.

1.19 SUBSTITUTIONS

- A. Materials and methods specified herein are known to meet the requirements of the project. Anyone wanting to use substitute materials or methods shall submit a written request, accompanied by necessary supporting information at least 10 days prior to the bid. If the Designer determines that the proposed substitution is acceptable, an addendum to the specifications will be issued to all prospective bidders.

1.20 ARCHEOLOGICAL AND HISTORIC ARTIFACTS:

- A. If any objects are uncovered during construction which could possibly be of archeological or historic importance, this shall immediately be 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.

1.21 Salvage Rights:

- A. Unless stated otherwise in the specifications or on the plans, all equipment and materials removed as part of this project and not indicated for re-use on the project and not listed above shall become the property of the Contractor and removed from the site.

1.22 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:
 - 1. There are no known permits required for confined spaces on this project.
- 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.

1.23 TEMPORARY TOILET FACILITIES:

- A. Not required.

END OF SECTION