Wisconsin Department of Transportation

February 19, 2015

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NOTICE TO ALL CONTRACTORS:

Proposal #15:

1100-37-70, WISC 2015 124
Milwaukee – Fond du Lac
Pilgrim River Bridges
USH 41/45
Waukesha County

2720-10-70
Wacker Neuson/Megal Court
Village of Menomonee Falls
Pilgrim Road to Cul-de-sac
Local Street
Waukesha County

2782-11-70, WISC 2015 125
Pilgrim Road
Park Boulevard to Megal Drive
Local Street
Waukesha County

2782-11-71
Pilgrim Road
USH 41/45 to Main-Water Main Work
Non-Hwy
Waukesha County

2782-12-70, WISC 2015 126
Main and Pilgrim
Intersection and Pilgrim
Cleveland Avenue to Megal Dr.
STH 74
Waukesha County

Letting of March 10, 2015

This is Addendum No. 1, which provides for the following:

Special Provisions

Revised Special Provisions	
Article No.	Description
3	Prosecution and Progress
33	Pond Clay Liner

Added Special Provisions	
Article No.	Description
140	Baseline CPM Progress Schedule; CPM Progress Schedule Updates and Accepted Revisions
141	Field Office Fixed

Schedule of Items

Added Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
SPV.0060.0015	Baseline CPM Progress Schedule	EACH	0	1	1
SPV.0060.0016	CPM Progress Schedule Updates and Accepted Revisions	EACH	0	7	1
SPV.0060.0506	Field Office Fixed	LS	0	1	1

Deleted Bid Item Quantities					
Bid Item	Item Description	Unit	Old Quantity	Revised Quantity	Proposal Total
642.5401	Field Office Type D	EACH	1	0	0

Plan Sheets

Revised Plan Sheets	
Plan Sheet	Plan Sheet Title (brief description of changes to sheet)
47	Construction Details (Corrected wording on Typical Basin Section detail)

Other

The responsibility for notifying potential subcontractors and suppliers of these changes remains with the prime contractor.

Sincerely,

Mike Coleman

Proposal Development Specialist
Proposal Management Section

ADDENDUM NO. 1

1100-37-70, 2720-10-70, 2782-11-70, 2782-11-71, 2782-12-70

February 19, 2015

Special Provisions

3. Prosecution and Progress.

Add the following paragraphs after paragraph 8:

All active nests (when eggs or young are present) of migratory birds are protected under the federal Migratory Bird Treaty Act. The nesting season for swallows and other birds is usually between May 1 and August 30. Either prevent active nests from becoming established, or apply for a depredation permit from the US Fish and Wildlife Service for work that may disturb or destroy active nests. The need for a permit may be avoided by removing the existing bridge structure prior to nest occupation by birds, or clearing nests from all structures before the nests become active in early spring. As a last resort, prevent birds from nesting by installing a suitable netting device on the remaining structure prior to nesting activity. Include the cost for preventing nesting in the cost of Removing Old Structure.

The contractor is advised that there may be multiple mobilizations for such items as (but not limited to) traffic control, temporary pavement marking, erosion control, excavation common, borrow, salvaged topsoil, asphaltic surface temporary, pavement marking, seeding/sodding, mulching, fertilizer, temporary seeding, drainage items, and other incidental items related to staging required to complete the work under this contract. No additional payment will be made by the department for said mobilizations.

32. Pond Liner Clay, Item 640.1303.S

Under Section **B Materials***, replace the first paragraph with the following:*

For each source, prior to excavating and hauling the low permeable clay to the project, the contractor shall perform screening tests described in Table 1 and submit the results to the engineer. The laboratory testing shall document that the clay from the source meets or exceeds the requirements.

140. Baseline CPM Progress Schedule, Item SPV.0060.0015; CPM Progress Schedule Updates and Accepted Revisions, Item SPV.0060.0016.

Replace subsection 108.4 of the standard specifications with the following:

108.4 Critical Path Method Progress Schedule
108.4.1 Definitions
The department defines terms used in 108.4 as follows:

Activity
An administrative or construction task performed during the course of the project with a defined duration, and scheduled (or actual) start and finish dates.

Critical Path
The longest continuous chain of activities through the CPM schedule that establishes the minimum overall project duration.

Construction Activity
Construction activities are discrete work activities performed by the contractor, subcontractors, utilities, or third parties within the project limits.

CPM Progress Schedule
A Critical Path Method (CPM) Progress Schedule is a network of logically related activities. The CPM schedule calculates when activities can be performed and establishes the critical or longest continuous path or paths of activities through the project.

Float
Float, as used herein, is the total float of an activity; i.e., it is the amount of time between the date when an activity can start (the early start), and the date when an activity must start (the late start). In cases where the total float of an activity has a different value when calculated based on the finish dates, the lower (more critical) value will govern.

Forecast Completion Date
The completion date predicted by the latest accepted CPM Update, which may be earlier or later than the contract completion date, depending on progress.

Fragnet
A group of logically-related activities, typically inserted into an existing CPM schedule to model a portion of the project, such as the work associated with a change order.

Initial Work Plan
The initial work plan is a time-scaled CPM schedule showing detailed activities for the first 90 calendar days of work and summary level activities for the remainder of the project.

Intermediate Milestone Date
A contractually required date for the completion of a portion of the work, so that a subsequent portion of the work or stage of traffic phasing may proceed.

Master Program Schedule
The department's schedule for the overall Pilgrim Road Project, including intermediate milestone dates and contract completion dates, and containing codes for use as a template for the development of the contractor's schedule.

Master Project Schedule
The department's schedule for the contract work, developed during design, and provided to the contractor for informational purposes only.

Work Breakdown Structure (WBS)
A framework for organizing the activities that make up a project by breaking the project into successively greater detail by level. A WBS organizes the project work. It does not address the sequencing and scheduling of project activities.

108.4.2 Department's Master Schedules
108.4.2.1 Master Project Schedule
If requested by a bidder or by the contractor, the department will supply its Master Project Schedule for the contract work, developed during design. The Master Project Schedule is not a direction on how to perform the work. The Master Project Schedule reflects one possible approach to the work, consistent with the phasing requirements.

108.4.2.2 Master Program Schedule
Within five business days after award, the department will provide its current Master Program Schedule, containing intermediate milestone constraints, standard activity codes, and a standard WBS for the contractor to use to develop its schedule.

108.4.2.3 Use of Department's Master Schedules
The department's Master Schedules provide information to assist the contractor in preparing its schedule. The Master Schedules are not contract documents. The logic contained in the Master Schedules is not intended to alter or supplement contract requirements for the phasing of the work, but to reflect those requirements.

108.4.3 Contractor's Scheduling Responsibilities
Prepare and submit a CPM progress schedule that accurately reflects the plan for the performance of the work, based on the physical requirements of the Work, and Traffic Phasing requirements. The CPM schedule is the contractor's committed plan to complete all work within the completion deadlines. Full responsibility is assumed for the prosecution of the work as shown. The CPM schedule is not part of the contract. Schedule the Work in the manner required to achieve the completion date and intermediate milestone dates specified in the Prosecution and Progress Special Provision.

Use the department-provided Master Program Schedule as a template to develop the Initial Work Plan and the Baseline CPM Progress Schedule. Use the Master Program Schedule's ID coding structure to categorize activities by Contract, Stage, Location, and Responsibility to ensure compatibility with the Master Program Schedule and with schedules prepared by other contractors. Add additional activity codes as necessary, but do not delete the coding structure provided.

To ensure compatibility with the Master Program Schedule, use the latest version of Primavera Project Planner (P6), by Primavera Systems, Inc., Bala Cynwyd, PA to prepare the Initial Work Plan, Baseline CPM Progress Schedule, and Monthly CPM Updates.

Designate a Project Scheduler who will be responsible for scheduling the Work and submit a professional resume describing a minimum of three years of scheduling experience on urban, interstate-highway reconstruction work of similar size and complexity, including recent experience with P6.Obtain approval of the submitted resume prior to scheduling the work.

108.4.4 Submittals
108.4.4.1 Initial Work Plan
Within ten business days after the Initial Work Plan Workshop, as scheduled in section 103.10, submit an Initial Work Plan consisting of the following:

1. Develop the Initial Work Plan using the Master Program Schedule as a template.

2. Provide a detailed plan of activities to be performed within the first 90 calendar days of the contract. Provide construction activities with durations not greater than 28 calendar days (20 business days), unless the engineer accepts requested exceptions.

3. Provide activities as necessary to depict administrative work, including submittals, reviews, and procurements that will occur within the first 90 calendar days of the contract. Activities other than construction activities may have durations greater than 28 calendar days (20 business days). Allow 21 calendar days (15 business days) for department review of submittals.

4. Provide summary activities for the balance of the project. Summary activities may have durations greater than 28 calendar days (20 business days).

5. Submit three copies of the Initial Work Plan in a compressed (XER) format on three separate CDs.

6. The engineer will accept the contractor's Initial Work Plan or provide comments within five business days after receipt of the Initial Work Plan. Address comments and resubmit the Initial Work Plan as necessary. Do not begin work until the engineer accepts the Initial Work Plan. The department will use the initial work plan to monitor the progress of the work until the Baseline CPM Progress Schedule is accepted.

7. Submit an updated version of the Initial Work Plan on a monthly basis until the engineer accepts the Baseline CPM Progress Schedule. With each update, include actual start dates, completion percentages, and remaining durations for activities started but not completed. Include actual finish dates for completed activities.

108.4.4.2 Baseline CPM Progress Schedule
Within 15 business days after the CPM Scheduling Workshop, as scheduled in section 103.10, submit a Baseline CPM Progress Schedule and written narrative consisting of the following:

Supplement sub-section 108.4.4.2(1) with the following:

4. Submit a temporary drainage plan showing the interface between various stages of a project as well as the interface with adjacent projects.

1. Develop the Baseline CPM using the Master Program Schedule as a template. The Baseline CPM is the contractor's committed plan to complete the Work within the time frames required to achieve the contract completion date and Intermediate milestone dates. The department will use the schedule to monitor the progress of the work. Include the following:

    1.1 Provide a detailed plan of activities to be performed during the entire contract duration, including all administrative and construction activities required to complete the work as described in the contract documents. Provide construction activities with durations not greater than 28 calendar days (20 business days), unless the engineer accepts requested exceptions.

    1.2 Provide activities as necessary to depict administrative work, including submittals, reviews, procurements, inspections, and all else necessary to complete the work as described in the contract documents. Activities other than construction activities may have durations greater than 28 calendar days (20 business days). Allow 21 calendar days (15 business days) for department review of submittals.

    1.3 Provide activities as necessary to depict third party work related to the contract.

    1.4 Make allowance for specified work restrictions, non-working days, time constraints, calendars, and weather; and reflect involvement and reviews by the department, and coordination with adjacent contractors, utility owners, and other third parties.

    1.5 With the exception of the Project Start Milestone and Project Completion Milestone, all activities must have predecessors and successors. The start of an activity shall have a Start-to-Start or Finish-to-Start relationship with preceding activities. The completion of an activity shall have a Finish-to-Start or Finish-to-Finish relationship with succeeding activities. Do not use Start-to-Finish relationships. Do not use Finish-to-Start relationships with a lag unless the engineer accepts requested exceptions.

    1.6 Schedule all intermediate milestones in the proper sequence and input as either a "Start-no-Earlier-Than" or "Finish-no-Later-Than" date. Provide predecessors and successors for each intermediate milestone as necessary to model each Stage of the Work. Unless the engineer accepts a requested exception, the schedule should encompass all the time in the contract period between the starting date and the specified completion date.

    1.7 Using the bid quantities and unit prices, develop an anticipated cash-flow curve for the project, based on the Baseline CPM.

2. Provide three hard copies of a hand-drawn or electronically drafted logic diagram depicting the CPM network. Organize the logic diagram by grouping related activities, based on the activity codes in the CPM.

3. Provide a written narrative with the baseline CPM explaining the planned sequence of work, as-planned critical path, critical activities for achieving intermediate milestone dates, traffic phasing, and planned labor and equipment resources. Use the narrative to further explain:

    3.1 The basis for activity durations in terms of production rates for each major type of work (number of shifts per day and number of hours per shift), and equipment usage and limitations.

    3.2 Use of constraints.

    3.3 Use of calendars.

    3.4 Estimated number of adverse weather days on a monthly-basis.

    3.5 Scheduling of permit and environmental constraints, and coordination of the schedule with other contractors, utilities, and public entities.

4. Submit three copies of the Baseline CPM in a compressed (XER) format on three separate CDs.

Within ten business days of receiving the Baseline CPM, the engineer will provide comments and schedule a meeting for the contractor to present its Baseline CPM and answer questions raised in the engineer's review.

At the meeting scheduled by the engineer, provide a presentation of the Baseline CPM. In the presentation, include a discussion of the staging and sequencing of the work, understanding of traffic phasing, and application of labor and equipment resources to the Work. Address comments raised in the engineer's review.

Within five business days after the meeting, the engineer will accept the contractor's Baseline CPM schedule or provide comments. Address the engineer's comments and resubmit a revised Baseline CPM within ten business days after the engineer's request. If the engineer requests justification for activity durations, provide information that may include estimated labor, equipment, unit quantities, and production rates used to determine the activity duration.

The engineer will accept the Baseline CPM based solely on whether the schedule is complete as specified in this section. The engineer's acceptance of the schedule does not modify the contract.

The department will not consider requests for contract time extensions as specified in 108.10 or additional compensation for delay specified in 109.4.7 until the department accepts the Baseline CPM schedule.

108.4.4.3 Monthly CPM Updates

Submit CPM Updates on a monthly basis after acceptance of the Baseline CPM. With each CPM Update, include the following:

1. Actual start dates, completion percentages, and remaining durations for activities started but not completed, and actual finish dates for completed activities, through the final acceptance of the project.

2. Additional activities as necessary to depict additions to the contract by changes and logic revisions as necessary to reflect changes in the contractor's plan for prosecuting the work.

3. Include a narrative report that includes a brief description of monthly progress, changes to the critical path from the previous update, sources of delay, potential problems, work planned for the next 30 calendar days, and changes to the CPM schedule. Changes to the logic of the CPM schedule include the addition or deletion of activities and changes to activity descriptions, original

durations, relationships, constraints, calendars, or previously recorded actual dates. Justify changes to the CPM schedule in the narrative by describing associated changes in the planned methods or manner of performing the work or changes in the work itself.

4. Submit three copies of each CPM Update in a compressed (XER) format electronically, as agreed to with the department.

5. If additions or changes were made to the CPM schedule since the previous update, submit an updated hard copy of the revised logic diagram.

6. Within five business days of receiving each CPM Update, the engineer will provide comments and schedule a meeting as necessary to address comments raised in the engineer's review. Address the engineer's comments and resubmit a revised CPM Update within five business days after the engineer's request.

108.4.4.4 Three-Week Look-Ahead Schedules
Submit Three-Week Look-Ahead Schedules on a weekly basis after NTP. The schedule can be hand drawn or generated by computer. With each Three-Week Look-Ahead include:

1. Activities underway and as-built dates for the past week.

2. Provide actual as-built dates for completed activities through final acceptance of the project.

3. Planned work for the upcoming two-week period.

4. The activities of the Three-Week Look-Ahead schedule shall include the activities underway and critical RFIs and submittals, based on the CPM schedule. The Three-Week Look-Ahead may also include details on other activities not individually represented in the CPM schedule.

5. On a weekly basis, the department and the contractor shall agree on the as-built dates depicted in the Three-Week Look-Ahead schedule or document any disagreements. Use the as-built dates from the Three-Week Look-Ahead schedules for the month when updating the CPM schedule.

108.4.4.5 Weekly Production Data
Provide estimated and actual weekly production rates for items of work on a weekly basis as follows:

1. Provide data on the following items by area or station:

    1.1 Retaining Walls
        a. Leveling Pads - LF
        b. Set Panels - SF
        c. Parapets - LF
        d. Wall Face - Bay
        e. Tie Backs – Each
        f. Anchor Slabs – LF
        g. Drilling - Each
        h. Coping – LF
        i. Footing - LF

    1.2 Bridge Construction
        a. Footings—Each
        b. Columns—Each
        c. Abutments—Each
        d. Pier Caps—Each
        e. Girder Spans – Each

f. Decked Spans – Each
g. Poured Spans – Each

1.3 Roadway Excavation—CY per week

1.4 Roadway Structural Section
a. Grading/Subgrade Preparation—SY
b. Base Material Placement—Ton
c. Base Material Subgrade Preparation—SY
d. Asphalt Pavement—Ton
e. Concrete Pavement – SY

2. For each item, indicate the actual daily production for the past week and the anticipated weekly production for the next week.

3. Submit the data in an electronic spreadsheet format at the same time the Three-Week Look-Ahead is submitted. On a weekly basis, the department and the contractor shall agree on the production data or document any disagreements.

108.4.5 Progress Review Meetings

Weekly Progress Review Meetings—After completing the weekly submittal of the Three-Week Look-Ahead and production data, attend a weekly meeting to review the submittals with the department. At the meeting, address comments as necessary, and document agreement or disagreement with the department.

Monthly Update Review Meetings—After submitting the monthly update and receiving the engineer's comments, attend a job-site meeting, as scheduled by the engineer, to review the progress of the schedule. At that meeting, address comments as necessary, and document agreement or disagreement with the department. The monthly meeting will be coordinated to take place on the same day and immediately before or after a weekly meeting, whenever possible.

108.4.6 CPM Progress Schedule Revisions

Revision by the contractor if necessary due to changes in the Work or project conditions and authorized by the engineer, a CPM Progress Schedule Revision may be submitted, although the next CPM Update is not yet due. Prepare the CPM Revision in the same format as required for CPM Updates, including justification for changes to the schedule. The process for comment and acceptance of a CPM Revision will be the same as for CPM Updates. If the CPM Revision is accepted, prepare the next monthly update based on the revised CPM. If the CPM Revision is rejected, prepare the next monthly update based on the previous month's update.

Engineer's Right to Request Revisions—The engineer will monitor the progress of the work and may request revisions to the CPM schedule. Revise the schedule as requested by the engineer, and submit a CPM Progress Schedule Revision within ten business days of the request. The process for comment and acceptance of a CPM Revision will be the same as for CPM Updates. The engineer may request that the contractor revise the CPM schedule for one or more of the following reasons:

1. The forecast completion date is scheduled to occur more than 14 calendar days after the contract completion date.

2. An intermediate milestone is scheduled to occur more than 14 calendar days after the date required by the contract.

3. The engineer determines that the progress of the work differs significantly from the current schedule.

4. A contract change order requires the addition, deletion, or revision of activities that causes a

change in the contractor's work sequence or the method and manner of performing the work.

108.4.7 Documentation Required for Time Extension Requests
To request a time extension to an intermediate milestone date or the contract completion date associated with changes to the work, provide a narrative detailing the work added or deleted and the other activities affected, based on the latest accepted CPM Update. For added work, submit a proposed fragnet of activities to be added or revised in the CPM schedule, indicating how the fragnet is to be tied to the CPM schedule.

To request a time extension to an intermediate milestone date or the contract completion date associated with delays to the work, provide a narrative detailing the affected activities and the cause of the delay, based on the latest accepted CPM Update. Requests for time extensions due to delays should meet the following criteria:

1. For requests to extend the contract completion date, include a description of how the delay affected the project's critical path, based on the latest accepted CPM Update.

2. For requests to extend an intermediate milestone date, include a description of how the delay affected the controlling (longest) path to the milestone, based on the latest accepted CPM Update.

3. The department and the contractor agree that the float is not for the exclusive use or financial benefit of either party. Either party has the full use of the float on a first come basis until it is depleted.

108.4.8 Payment for CPM Progress Schedule
The department will pay for measured quantities at the contract unit price for work acceptably completed under the following bid item:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.0015	Baseline CPM Progress Schedule	Each
SPV.0060.0016	CPM Progress Schedule Updates and Accepted Revisions	Each

The department will only make progress payments for the value of materials, as specified in 109.6.3.2.1, until the Baseline CPM schedule has been submitted. The department will retain ten percent of each estimate until the department accepts the Baseline CPM schedule.

Payment is full compensation for all work required under these bid items. The department will pay the contract unit price for the Baseline CPM schedule after the department accepts the schedule. Thereafter, the department will pay the contract unit price for each monthly CPM Update acceptably completed. The department will pay the contract unit price for CPM Revisions, if the department accepts the revision. The department will not pay for proposed revisions that are not accepted.

141. Field Office Fixed, Item SPV.0060.0506.

Replace standard spec 642 with the following:

A Description
Furnish, equip, and maintain field office facilities.

B Materials
B.1 General
The contractor is encouraged to provide a permanent/fixed facility for use as a field office that is an existing office building, or an existing building converted to office-type use, located not more than one mile (1.0 mile) from the project limits and approved by the engineer. In the case

such a suitable permanent/fixed facility cannot be located, a temporary/modular facility shall be provided.

Supply a first aid kit in each field office provided under the contract. Ensure the kits are readily accessible to project personnel. Check and replenish the contents of each kit at least once a week. Ensure that each kit contains, at a minimum, a supply of latex-free examination gloves, CPR masks, adhesive tape, pressure and cling bandages, antiseptic wipes, bite/sting swabs, cold packs, and safety goggles.

Equip the facilities with Class A, B, and C fire extinguisher(s) conforming to all applicable codes and NFPA standards.

Minimum interior useable floor space shall be 2000 square feet, not including shared spaces, such as plan review areas, conference rooms, meeting areas, hallways, and restrooms.

Provide a suitably sized, open meeting area, including tables and folding chairs to accommodate regularly scheduled meetings of 50 people, as approved by the engineer.

Provide 10 large cubicles, including a desk, shelf, and a 4-drawer file cabinet, a coat rack and two small waste baskets with liners. Modular cubicle workstation furniture may be used if approved by the engineer. Provide four private rooms (minimum size 10' X 10'), equipped, in addition to the above, with a four shelf bookcase, and a 48" x 36" whiteboard with dry erase markers. These rooms shall have an interior door with a lockset.

Provide one ergonomically correct office chair in working condition, with, at a minimum, the following features, for each desk:

- Five-legged base with casters.
- High backrest.
- Seat adjustable from 15 inches (381 mm) to 22 inches (558 mm) from the floor with a seamless waterfall, rounded front edge.
- Adjustable arms.

Provide the field office with 20 high-speed computer Internet connection(s) at a setting of no less than 1 MB and up to 10 MB. The high-speed Internet connection must consist of a "small office/ home networking" package. The package shall include a Dynamic IP Address (DHCP) and a Modem Router. The package must accommodate IPSec based VPN products. Provide a high speed wireless network with connection to a separate copier/printer/scanner which has the ability to copy, print and scan 11" x 17" paper.

Provide one new, leased, high-capacity color printer/photocopier/scanner capable of printing and copying up to 11" x 17" paper, with the ability to perform duplexing, sorting, stapling, and multiple sheet auto feeding, with a built-in scanner with the capability to scan black and white and color up to 11" x 17" at a minimum of 600 dpi, and with a network connection, as approved by the engineer.

Maintain the field office equipment and provide supplies for the photocopiers as requested by the engineer.

Provide and maintain an adequate supply of bottled drinking water with cups. Provide one 18 cubic foot minimum size refrigerator with freezer and one microwave (900-watt minimum). Provide small waste basket liners, tall kitchen garbage bags and disinfecting wet wipes for the duration of the project, and as also requested by the engineer.

Provide clearly marked recycling and waste receptacles (9 gallon minimum) within the field office, and separate recycling and waste dumpsters near the field office. Cover outdoor containers to keep out rain, snow, and wind-driven debris. Provide regularly scheduled recycling and waste pick-up.

Maintain interior sanitary facilities conforming to State and local health requirements, in clean and good working condition, and stock with supplies (toilet paper, liquid hand soap, paper towels) for the duration of the contract, and as also requested by the engineer.

Provide for weekly professional cleaning of the field office during regular business hours.

Equip these facilities with suitable artificial lighting and adequate heating and air conditioning equipment along with the necessary fuel to maintain a minimum temperature of 68F (20C) during the hours occupied.

The contractor may furnish, if the contract allows, the field offices jointly in cooperation with other contractors on designated projects.

Do not combine field offices, or combine them with, or attach them to, any buildings used by the contractor, unless the engineer allows in writing.

The field office shall remain available for department use for 60 calendar days beyond the contract completion date or until the engineer approves its closure or removal.

These field facilities are for the sole use of the department.

B.2 Permanent/Fixed Facility Field Office

Provide a permanent/fixed facility that is an existing office building, or an existing building converted to office-type use, meeting all applicable codes and standards, located not more than one mile (1.0 mile) from the project limits and approved by the engineer.

Include an adjacent, no-fee, lighted parking lot large enough to accommodate the needs of the field offices at peak usage, as approved by the engineer. Maintain the parking lot and egress, including snow removal.

Do not begin construction operations requiring the use of the field offices by the department until the required field offices are furnished, fully equipped, and made ready for use as the engineer directs.

B.3 Temporary/Modular Facility Field Office

Provide rented, modular field offices that are designed as mobile office units, no more than five years old, or other engineer-approved types that are floored, roofed, and weatherproofed, and have a minimum ceiling height of 8 feet-0 inches (2.44 m). Provide R-11 or better insulation in all walls, floors, and ceilings. Provide skirting around the perimeter of the mobile office units.

Equip these facilities with suitable artificial lighting and adequate central heating and cooling equipment designed to maintain a comfortable temperature during occupied hours, at the approval of the engineer.

Provide electrical power by connecting to the existing power grid.

Provide and maintain suitable interior or exterior sanitary facilities conforming to State and local health requirements, in clean and good working condition, and stock with sanitary supplies including hand sanitizer for the duration of the contract, at the approval of the engineer.

Provide a sufficient number and size of operable windows, located in order to promote effective cross ventilation, and equipped with required locks and metal screens. Windows are to be of the horizontal slider type. All rooms are to have at least one window.

The exterior doors shall be constructed of steel and equipped with heavy-duty locks with attached security plates. There shall be vandal-resistant exterior lights located at all exterior doors. Provide steps at all exterior doors.

Provide a level, graded CABC (at a minimum) site for field offices, including an adjacent, no-fee parking lot large enough to accommodate the needs of the field offices at peak usage, as approved by the engineer. Maintain the parking lot and egress, including snow removal.

Anchor or secure the field offices to prevent them from overturning by high velocity winds. Locate the field office in a dust-reduced and vibration-free environment.

Do not begin construction operations requiring the use of the field offices by the department until the required field offices are furnished, leveled, and secured in the approved locations, fully equipped, and made ready for use as the engineer directs.

C (Vacant)

D Measurement

The department will measure Field Office Fixed as each individual field office(s), acceptably completed.

E Payment

The department will pay for measured quantities at the contract unit price under the following bid items:

ITEM NUMBER	DESCRIPTION	UNIT
SPV.0060.0506	Field Office Fixed	Each

Payment is full compensation for providing, equipping, securing, and maintaining the facility; and for providing all incidentals and sundries, including but not limited to utilities, fuel, security, toilet facilities, and office supplies as required, either independently or jointly, for the time specified B.1.

Schedule of Items

Attached, dated February 19, 2015, are the revised Schedule of Items Pages 23 – 31 and 55.

Plan Sheets

The following 8½ x 11-inch sheets are attached and made part of the plans for this proposal:
Revised: 47.

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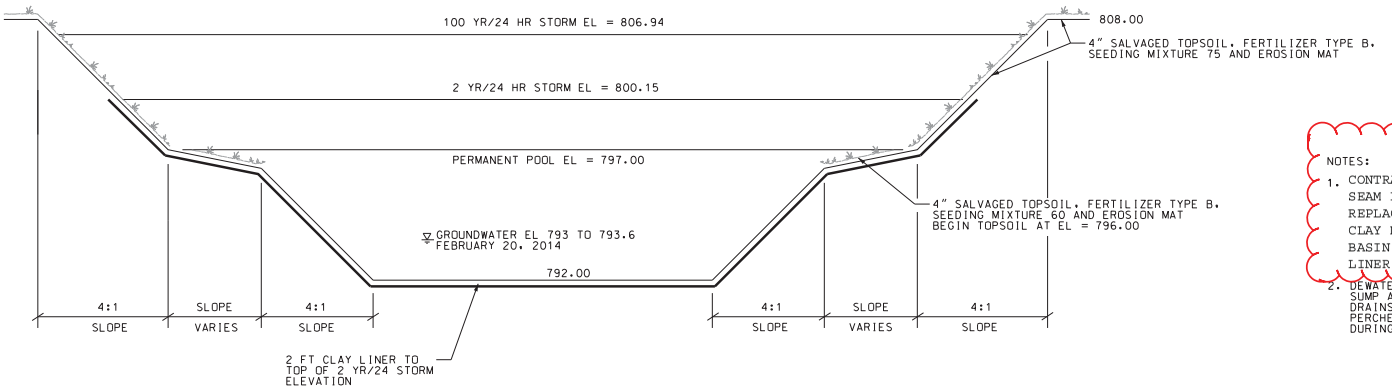
END OF ADDENDUM



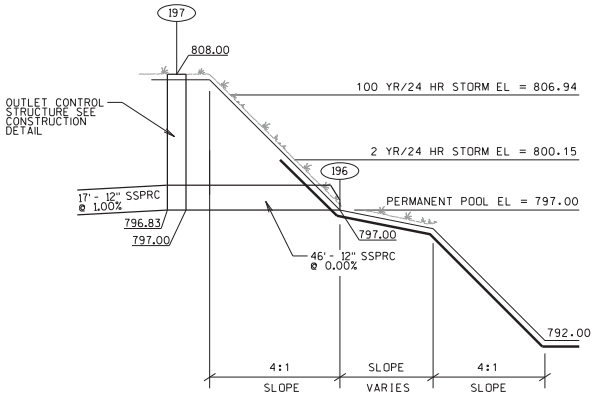
NOTES:

1. CONTRACTOR TO OVEREXCAVATE SAND SEAM LAYERS (IF ENCOUNTERED) AND REPLACE WITH 2 FEET COMPACTED LEAN CLAY MATERIAL. CLAY SPOILS FROM BASIN EXCAVATION MAY BE USED AS CLAY LINER MATERIAL.
2. DEWATERING TECHNIQUES SUCH AS SUMP AND PUMP OR PERIMETER TRENCH DRAINS MAY BE NECESSARY TO CONTROL PERCHED GROUNDWATER CONDITIONS DURING EXCAVATION OF BASIN.

Addendum No. 1
ID 2720-10-70
Revised Sheet 47
February 19, 2015

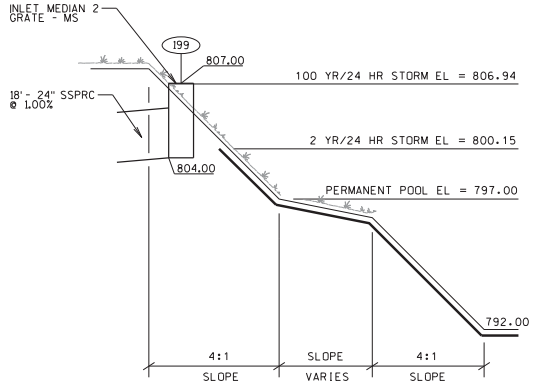
TYPICAL BASIN SECTION

N.T.S.



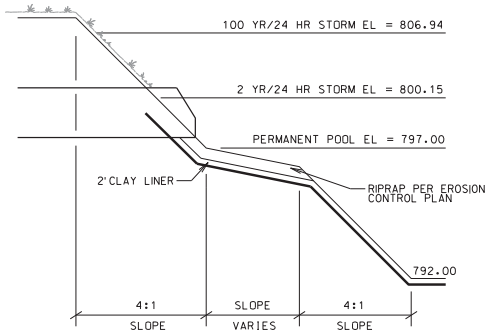
OUTLET CONTROL STRUCTURE SECTION

N.T.S.



OUTLET OVERFLOW STRUCTURE SECTION

N.T.S.



ENDWALL DETAIL

N.T.S.

PROJECT NO: 2720-10-70	HWY: PILGRIM ROAD	COUNTY: WAUKESHA	CONSTRUCTION DETAILS	SHEET 47	E

CONTRACT: 20150310015

PROJECT(S): 1100-37-70, 2720-10-70, 2782-11-70, 2782-11-71, 2782-12-70

FEDERAL ID(S): WISC 2015124, N/A, WISC 2015125, N/A, WISC 2015126

CONTRACTOR :_____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS	UNIT PRICE CTS	BID AMOUNT DOLLARS	BID AMOUNT CTS
2170	637.2230 Signs Type II Reflective F	558.750 SF		.		.
2180	638.2102 Moving Signs Type II	16.000 EACH		.		.
2190	638.2602 Removing Signs Type II	148.000 EACH		.		.
2200	638.3000 Removing Small Sign Supports	127.000 EACH		.		.
2210	640.1303.S Pond Liner Clay **P**	2,068.000 CY		.		.
2220	641.8100 Overhead Sign Support (structure) 0001. S-67-960	LUMP	LUMP			.
2230	641.8100 Overhead Sign Support (structure) 0002. S-67-961	LUMP	LUMP			.
2240	641.8100 Overhead Sign Support (structure) 0003. S-67-962	LUMP	LUMP			.
2260	643.0100 Traffic Control (project) 0001. 1100-37-70	1.000 EACH		.		.
2270	643.0100 Traffic Control (project) 0002. 2720-10-70	1.000 EACH		.		.

CONTRACT: 20150310015

PROJECT(S): 1100-37-70, 2720-10-70, 2782-11-70, 2782-11-71, 2782-12-70

FEDERAL ID(S): WISC 2015124, N/A, WISC 2015125, N/A, WISC 2015126

CONTRACTOR :_____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS	UNIT PRICE CTS	BID AMOUNT DOLLARS	BID AMOUNT CTS
2280	643.0100 Traffic Control (project) 0003. 2782-11-70	1.000 EACH		.		.
2290	643.0100 Traffic Control (project) 0004. 2782-12-70	1.000 EACH		.		.
2300	643.0300 Traffic Control Drums	100,085.000 DAY		.		.
2310	643.0410 Traffic Control Barricades Type II	1,500.000 DAY		.		.
2320	643.0420 Traffic Control Barricades Type III	16,689.000 DAY		.		.
2330	643.0500 Traffic Control Flexible Tubular Marker Posts	218.000 EACH		.		.
2340	643.0600 Traffic Control Flexible Tubular Marker Bases	218.000 EACH		.		.
2350	643.0705 Traffic Control Warning Lights Type A	11,178.000 DAY		.		.
2360	643.0715 Traffic Control Warning Lights Type C	24,061.000 DAY		.		.
2370	643.0800 Traffic Control Arrow Boards	309.000 DAY		.		.

CONTRACT: 20150310015

PROJECT(S): 1100-37-70, 2720-10-70, 2782-11-70, 2782-11-71, 2782-12-70

FEDERAL ID(S): WISC 2015124, N/A, WISC 2015125, N/A, WISC 2015126

CONTRACTOR :_____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS	UNIT PRICE CTS	BID AMOUNT DOLLARS	BID AMOUNT CTS
2380	643.0900 Traffic Control Signs	35,160.000 DAY		.		.
2390	643.0910 Traffic Control Covering Signs Type I	39.000 EACH		.		.
2400	643.0920 Traffic Control Covering Signs Type II	62.000 EACH		.		.
2410	643.1000 Traffic Control Signs Fixed Message	1,345.000 SF		.		.
2420	643.1050 Traffic Control Signs PCMS	48.000 DAY		.		.
2430	643.2000 Traffic Control Detour (project) 0001. 1100-37-70	1.000 EACH		.		.
2440	643.2000 Traffic Control Detour (project) 0002. 2782-12-70	1.000 EACH		.		.
2450	643.3000 Traffic Control Detour Signs	17,219.000 DAY		.		.
2460	645.0120 Geotextile Fabric Type HR	332.000 SY		.		.
2470	645.0130 Geotextile Fabric Type R	32.000 SY		.		.

CONTRACT: 20150310015

PROJECT(S): 1100-37-70, 2720-10-70, 2782-11-70, 2782-11-71, 2782-12-70

FEDERAL ID(S): WISC 2015124, N/A, WISC 2015125, N/A, WISC 2015126

CONTRACTOR :_____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS	UNIT PRICE CTS	BID AMOUNT DOLLARS	BID AMOUNT CTS
2480	646.0106 Pavement Marking Epoxy 4-Inch **P**	9,514.000 LF		.		.
2490	646.0600 Removing Pavement Markings	17,138.000 LF		.		.
2500	646.0841.S Pavement Marking Grooved Wet Reflective Contrast Tape 4-Inch **P**	12,927.000 LF		.		.
2510	646.0843.S Pavement Marking Grooved Wet Reflective Contrast Tape 8-Inch **P**	7,945.000 LF		.		.
2520	646.0881.S Pavement Marking Grooved Wet Reflective Tape 4-Inch **P**	498.000 LF		.		.
2530	646.0883.S Pavement Marking Grooved Wet Reflective Tape 8-Inch **P**	1,175.000 LF		.		.
2540	647.0456 Pavement Marking Curb Epoxy **P**	243.000 LF		.		.
2550	647.0606 Pavement Marking Island Nose Epoxy	21.000 EACH		.		.
2560	647.0656 Pavement Marking Parking Stall Epoxy **P**	220.000 LF		.		.

CONTRACT: 20150310015

PROJECT(S): 1100-37-70, 2720-10-70, 2782-11-70, 2782-11-71, 2782-12-70

FEDERAL ID(S): WISC 2015124, N/A, WISC 2015125, N/A, WISC 2015126

CONTRACTOR :_____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS	UNIT PRICE CTS	BID AMOUNT DOLLARS	BID AMOUNT CTS
2570	647.0726 Pavement Marking Diagonal Epoxy 12-Inch **P**	536.000 LF		.		.
2580	647.0796 Pavement Marking Crosswalk Epoxy 24-Inch **P**	280.000 LF		.		.
2590	647.0955 Removing Pavement Markings Arrows	6.000 EACH		.		.
2600	647.0960 Removing Pavement Markings Symbols	4.000 EACH		.		.
2610	649.0100 Temporary Pavement Marking 4-Inch	26,922.000 LF		.		.
2620	649.0400 Temporary Pavement Marking Removable Tape 4-Inch	77,424.000 LF		.		.
2630	649.0701 Temporary Pavement Marking 8-Inch	3,628.000 LF		.		.
2640	649.0801 Temporary Pavement Marking Removable Tape 8-Inch	8,870.000 LF		.		.
2650	652.0125 Conduit Rigid Metallic 2-Inch **P**	30.000 LF		.		.
2660	652.0135 Conduit Rigid Metallic 3-Inch **P**	229.000 LF		.		.

CONTRACT: 20150310015

PROJECT(S): 1100-37-70, 2720-10-70, 2782-11-70, 2782-11-71, 2782-12-70

FEDERAL ID(S): WISC 2015124, N/A, WISC 2015125, N/A, WISC 2015126

CONTRACTOR :_____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS	UNIT PRICE CTS	BID AMOUNT DOLLARS	BID AMOUNT CTS
2670	652.0225 Conduit Rigid Nonmetallic Schedule 40 2-Inch **P**	18,430.000 LF		.		.
2680	652.0235 Conduit Rigid Nonmetallic Schedule 40 3-Inch **P**	5,914.000 LF		.		.
2690	652.0605 Conduit Special 2-Inch **P**	790.000 LF		.		.
2700	652.0615 Conduit Special 3-Inch **P**	216.000 LF		.		.
2710	652.0700.S Install Conduit into Existing Item	3.000 EACH		.		.
2720	652.0800 Conduit Loop Detector **P**	244.000 LF		.		.
2730	653.0135 Pull Boxes Steel 24x36-Inch	75.000 EACH		.		.
2740	653.0140 Pull Boxes Steel 24x42-Inch	88.000 EACH		.		.
2750	653.0222 Junction Boxes 18x12x6-Inch	2.000 EACH		.		.
2760	653.0905 Removing Pull Boxes	89.000 EACH		.		.

CONTRACT: 20150310015

PROJECT(S): 1100-37-70, 2720-10-70, 2782-11-70, 2782-11-71, 2782-12-70

FEDERAL ID(S): WISC 2015124, N/A, WISC 2015125, N/A, WISC 2015126

CONTRACTOR :_____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS	UNIT PRICE CTS	BID AMOUNT DOLLARS	BID AMOUNT CTS
2770	654.0101 Concrete Bases Type 1	21.000 EACH		.		.
2780	654.0102 Concrete Bases Type 2	16.000 EACH		.		.
2790	654.0105 Concrete Bases Type 5	63.000 EACH		.		.
2800	654.0107 Concrete Bases Type 7	5.000 EACH		.		.
2810	654.0110 Concrete Bases Type 10	1.000 EACH		.		.
2820	654.0113 Concrete Bases Type 13	4.000 EACH		.		.
2830	654.0215 Concrete Control Cabinet Bases Type 9	1.000 EACH		.		.
2840	654.0217 Concrete Control Cabinet Bases Type 9 Special	3.000 EACH		.		.
2850	654.0220 Concrete Control Cabinet Bases Type 10	7.000 EACH		.		.
2860	655.0230 Cable Traffic Signal 5-14 AWG **P**	2,765.000 LF		.		.

CONTRACT: 20150310015

PROJECT(S): 1100-37-70, 2720-10-70, 2782-11-70, 2782-11-71, 2782-12-70

FEDERAL ID(S): WISC 2015124, N/A, WISC 2015125, N/A, WISC 2015126

CONTRACTOR :_____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS	UNIT PRICE CTS	BID AMOUNT DOLLARS	BID AMOUNT CTS
2870	655.0240 Cable Traffic Signal 7-14 AWG **P**	1,940.000 LF		.		.
2880	655.0260 Cable Traffic Signal 12-14 AWG **P**	8,784.000 LF		.		.
2890	655.0305 Cable Type UF 2-12 AWG Grounded **P**	1,631.000 LF		.		.
2900	655.0315 Cable Type UF 2-10 AWG **P**	1,338.000 LF		.		.
2910	655.0515 Electrical Wire Traffic Signals 10 AWG **P**	8,984.000 LF		.		.
2920	655.0610 Electrical Wire Lighting 12 AWG **P**	14,757.000 LF		.		.
2930	655.0615 Electrical Wire Lighting 10 AWG **P**	2,155.000 LF		.		.
2940	655.0620 Electrical Wire Lighting 8 AWG **P**	1,440.000 LF		.		.
2950	655.0625 Electrical Wire Lighting 6 AWG **P**	15,045.000 LF		.		.
2960	655.0630 Electrical Wire Lighting 4 AWG **P**	18,287.000 LF		.		.

CONTRACT: 20150310015

PROJECT(S): 1100-37-70, 2720-10-70, 2782-11-70, 2782-11-71, 2782-12-70

FEDERAL ID(S): WISC 2015124, N/A, WISC 2015125, N/A, WISC 2015126

CONTRACTOR :_____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS	UNIT PRICE CTS	BID AMOUNT DOLLARS	BID AMOUNT CTS
2970	655.0635 Electrical Wire Lighting 2 AWG **P**	17,287.000 LF		.		.
2980	655.0700 Loop Detector Lead In Cable **P**	3,458.000 LF		.		.
2990	655.0800 Loop Detector Wire **P**	944.000 LF		.		.
3000	656.0200 Electrical Service Meter Breaker Pedestal (location) 0001. Intersection Of Pilgrim Road & Sth 74	LUMP	LUMP			.
3010	656.0200 Electrical Service Meter Breaker Pedestal (location) 0002. Intersection Of Pilgrim Road & Megal Drive	LUMP	LUMP			.
3020	656.0200 Electrical Service Meter Breaker Pedestal (location) 0003. Lighting Control Cabinet	LUMP	LUMP			.
3030	656.0200 Electrical Service Meter Breaker Pedestal (location) 0004. Rm-67-0092	LUMP	LUMP			.

CONTRACT: 20150310015

PROJECT(S): 1100-37-70, 2720-10-70, 2782-11-70, 2782-11-71, 2782-12-70

FEDERAL ID(S): WISC 2015124, N/A, WISC 2015125, N/A, WISC 2015126

CONTRACTOR :_____

LINE NO	ITEM DESCRIPTION	APPROX. QUANTITY AND UNITS	UNIT PRICE DOLLARS	UNIT PRICE CTS	BID AMOUNT DOLLARS	BID AMOUNT CTS
5070	SPV.0165 Special 4710. Wall Concrete Panel Mechanically Stabilized Earth Lrfd/Qmp **P**	5,160.000 SF		.		.
5080	SPV.0165 Special 4740. Temp Wall Wire Face Mechanically Stabilized Earth Lrfd/Qmp Pilot	1,250.000 SF		.		.
5090	SPV.0180 Special 0100. Geotextile Fabric Type Ff	450.000 SY		.		.
5100	SPV.0060 Special 0015. Baseline CPM Progress Schedule	1.000 EACH		.		.
5110	SPV.0060 Special 0016. CPM Progress Schedule Updates and Accepted Revisions	7.000 EACH		.		.
5120	SPV.0060 Special 0506. Field Office Fixed	1.000 EACH		.		.
	SECTION 0001 TOTAL					.
	TOTAL BID					.