2. Differing site conditions as defined in 104.02.B.

3. Cost and time incurred by:
   a. Suspension of work pursuant to 104.02.C.
   b. Significant changes in character of work pursuant to 104.02.D.
   c. Utility interference with the work pursuant to 105.07 and Utility notes.
   d. Extra work ordered pursuant to 104.02.F and the policy on Change Orders.
   e. Acts or inaction of the Department or other government agencies.

4. Adequacy and constructability of the plan design.

5. Contract time extensions due to weather, shortages of labor, equipment, or materials, or other causes beyond the Contractor's control as defined in 108.06 and the current Policy 27-012(P) -Time Extensions and Waiver of Liquidated Damages.

6. Other subjects mutually agreed upon by the Department and Contractor to be within the scope of the Dispute Resolution and Administrative Claim Process.

Process
The Contractor must exhaust the Department's Dispute Resolution and Administrative Claim Process prior to seeking additional compensation or contract time by filing an action in the Ohio Court of Claims. The following procedures do not compromise the Contractor's right to seek relief in the Ohio Court of Claims.

All parties to the dispute must adhere to the Dispute Resolution and Administrative Claim process. Department personnel involved in second or third tier reviews will not consider a dispute until the previous tier has properly reviewed the dispute and issued a decision. The Contractor's personnel shall not contact Department personnel involved in a second or third tier review until a decision has been issued by the previous tier.

Failure to meet any of the timeframes outlined below or to request an extension may terminate further review of the dispute and may serve as a waiver of the Contractor's right to file a claim.

Continuation of Work
The Contractor shall continue with all Work, including that which is in dispute. The Department will continue to pay for Work.

Step 1 (On-Site Determination).
The Engineer and Area Engineer shall meet with the Contractor's superintendent within two (2) working days of receipt of the Contractor Written Early Notice set forth in 104.02.G. They shall review all pertinent information and contract provisions and negotiate in an effort to reach a resolution according to the Contract Documents. The Engineer or Area Engineer will issue a written decision of Step 1 within fourteen (14) calendar days of the meeting. If the dispute is not resolved, the Contractor must either abandon or escalate the dispute to Step 2.

Step 2 (District Dispute Resolution Committee).
Within seven (7) calendar days of receipt of the Step 1 decision, the Contractor must submit a written request for a Step 2 meeting to the District Construction Engineer (DCE). The DCE will assign the dispute a dispute number. The dispute number will consist of the District number, followed by a hyphen, the project number, followed by a hyphen and then the number of disputes on this project that this dispute represents. Within fourteen (14) calendar days of receipt of the request for a Step 2 meeting, the Contractor shall submit the Dispute Documentation as follows:

The Contractor shall submit three (3) complete copies of the documentation of the dispute to the DCE.

The Dispute Documentation shall be identified on a cover page by county, project number, Contractor name, subcontractor or supplier if involved in the dispute, and dispute number.

The Dispute Documentation shall be an original document that clearly and in detail gives the required information for each item of additional compensation and time extension requested.

A narrative of the disputed work or project circumstance at issue. This section must include the dates of the disputed work and the date of early notice.

References to the applicable provisions of the plans, specifications, proposal, or other contract documents. Copies of the cited provisions shall be included in the Dispute Documentation.

The dollar amount of additional compensation and length of contract time extension being requested.

The cost and supporting documents that served as the basis for the requested compensation stated in number six (6) above.

A detailed schedule analysis must be included in the Dispute Documentation for any dispute concerning additional contract time, actual or constructive acceleration, or delay damages. At a minimum, the schedule analysis must include the Schedule Update immediately preceding the occurrence of the circumstance alleged to have caused delay and must comply with accepted industry practices. Failure to submit the required schedule analysis will result in the denial of that portion of the Contractor's request.

Copies of relevant correspondence and other pertinent documents.

Each District shall establish a District Dispute Resolution Committee (DDRC) which shall be responsible for hearing and deciding disputes at the Step 2 level. The DDRC shall consist of the District Deputy Director, District Highway Management Administrator and District Construction Engineer or designees (other than the project personnel involved).

To prepare for the DDRC meeting, the DCE will create a file on the dispute and assign a person to review and manage the dispute. This manager will advise the Division of Construction Management on the status of the dispute.

The DDRC shall meet with personnel from the Contractor's headquarters and consider the dispute within fourteen (14) calendar days of receipt of the Contractor's Dispute Documentation. The DDRC will issue a written decision of Step 2 within fourteen (14) calendar days of the meeting. If the dispute is not resolved, the Contractor must either abandon or escalate the dispute to Step 3.

Step 3 (Director's Claims Board).

Within fourteen (14) calendar days of receipt of the Step 2 decision, the Contractor must submit a written Notice of Intent to File a Claim to the Claims Coordinator in the Division of Construction Management . This notice shall state the Contractor's request for either a Director's Claim Board hearing on the claim or an acceptable Alternative Dispute Resolution (ADR) practice.

The dispute becomes a claim when the Claims Coordinator receives the Notice of Intent to File a Claim.

The Director's Claim Board (the Board) will consist of the Deputy Director of the Division of Construction Management, Deputy Director of the Division of Highway Operations, and the

Deputy Director of Production Management. The Board will appoint a Secretary who will facilitate the hearing. The Office of Chief Legal Counsel will provide legal advice to the Board.

Director's Claims Board Hearing.
The Contractor shall submit five (5) complete copies of its Claim Documentation to the Claims Coordinator within thirty (30) calendar days of receipt of the Notice of Intent to File a Claim. This timeframe may be extended upon mutual agreement of the parties and with approval of the Claims Coordinator. In addition to the documentation submitted at Step 2, the narrative shall be enhanced to include sufficient description and information to enable understanding by a third party who has no knowledge of the dispute or familiarity with the project. This documentation must also include a discussion of the efforts taken to partner the dispute. The Claims Coordinator will forward one (1) complete copy of this documentation to the District.

When submitting the Claim Documentation, the Contractor must certify the claim in writing and under oath. Such certification shall attest to the following:

The claim is made in good faith.

To the best of the Contractor's knowledge, all data offered to support the claim is accurate and complete.

The claim amount accurately reflects the Contractor's actual incurred costs and additional time impacts.

This claim certification shall also be notarized pursuant to the laws of the State of Ohio.

The following is an example of the correct form for a claim certification:

(The Contractor) certifies that this claim is made in good faith, that all supporting data is accurate and complete to the best of (the Contractor's) knowledge and belief, and that the claim amount accurately reflects the contract amendment for which (the Contractor) believes the Department is liable.

By: _____
(The Contractor, Name and Title)

Date of Execution: _____

Within thirty (30) calendar days of receipt of the Contractor's Claim Documentation, the District shall submit five (5) complete copies of its Claim Documentation to the Claims Coordinator. In the event that the Contractor is granted a time extension for the submission of its Claim Documentation, the District will be granted an equal time extension for submission of its Claim Documentation. At a minimum, the District's Claim Documentation must include:

A narrative of the disputed work or project circumstance at issue with sufficient description and information to enable understanding by a third party who has no knowledge of the dispute or familiarity with the project. This section must include the dates of the disputed work and the date of early notice. The narrative must also discuss the efforts taken to partner the dispute.

References to the applicable provisions of the plans, specifications, proposal, or other contract documents. Copies of the cited provisions shall be included in the claim document.

Response to each argument set forth by the Contractor.

Any counterclaims, accompanied by supporting documentation, the District wishes to assert.

Copies of relevant correspondence and other pertinent documents.

Within fourteen (14) calendar days of receipt of the District's Claim Documentation, the Claims Coordinator will forward one (1) complete copy to the Contractor and will schedule a hearing on the dispute. Once a hearing date has been established, both the Contractor and District shall provide the Claims Coordinator with the list of names and telephone numbers of each person who may present information at the hearing. Reasonable time, generally not to exceed 60 days, will be provided for submission and review of additional documentation by either party prior to the hearing date. However, unless otherwise permitted by the Board, the exchange of documentation and all disclosures specified in this step of the process shall be completed at least fourteen (14) calendar days prior to the hearing.

Upon request or at the Board's discretion, the Board may delay the hearing one (1) time to allow more time for review and requests for more documentation.

In the event of multiple claims, the Board may order that they be considered in a single hearing. The Board may schedule this hearing after the completion of the project or at such time that it is assured that all disputes on the project have been processed through Steps 1 and 2 of the Dispute Resolution and Administrative Claim Process and these issues are before the Board.

The Board will hear the entire claim on behalf of the Director. The Board may have technical advisors at the hearing for assistance in reviewing the claim. The Contractor and District will each be allowed adequate time to present their respective positions before the Board. The Contractor and District will also each be allowed adequate time for one (1) rebuttal limited to the scope of the opposing party's presentation. The Contractor's position will be presented by a Contractor's representative who is thoroughly knowledgeable of the claim. Similarly, the District's position will be presented by a District representative who is thoroughly knowledgeable of the claim. Additionally, each party may have up to four others assist in the presentation.

The Board may, on its own initiative, request information of the Contractor in addition to that submitted for the hearing. If the Contractor fails to reasonably comply with such request, the Board may render its decision without such information.

Upon completion of the hearing and consideration of any additional information submitted upon request, the Board will submit a written recommendation on the disposition of the claim to the Director. The Director will ratify, modify, or reject the recommendation of the Board and render a decision within forty-five (45) calendar days of the hearing. Within thirty (30) calendar days of receipt of the Director's decision, the Contractor must either accept or reject the Director's decision in writing. In the event the Contractor fails to do so, the Department may revoke any offers of settlement contained in the decision.

The decision of the Director is the final step of the Department's Dispute Resolution Process and may not be appealed within the Department. The Board is not bound by any offers of settlement or findings of entitlement made during Steps 1 and 2 of the Dispute Resolution Process.

Interest on Claims.
The Department shall pay interest on any amount found due on a claim, which is not paid within 30 days of the Department's receipt of the certified claim. Such interest shall be paid to the Contractor for the period beginning on the thirty-first (31st) day after the Department's receipt of the certified claim, and ending on the day that the payment of the amount due is made. Interest payments provided for in this provision shall be at the rate per calendar month that equals one-twelfth of the rate per annum prescribed by ORC 5703.47 for the calendar year that includes the month for which the interest charge accrues.

Alternative Dispute Resolution (ADR).
In lieu of the Board hearing, the Contractor may request that the claim proceed through the Alternative Dispute Resolution Process. The Department may agree to binding arbitration as defined by ORC 5525.23 or mediation in the manner in which those methods are practiced by the Department and allowed by law.

The Claims Coordinator will coordinate the agreement of the parties to the ADR method, the selection of a neutral third party or technical expert, and the sharing of fees of the neutral third party or technical expert equally. The Claims Coordinator will obtain a written agreement, signed by both parties, that establishes the ADR process. The neutral third party or technical expert will have complete control of the claim upon execution of the ADR agreement.

PN 110 - 4/18/2008 - ESCROW BID DOCUMENTS

1. **Scope and Purpose.** The purpose of this note is to preserve the Contractor's and subcontractors' Bid Documents for use by the parties in the settlement of disputes and claims.

The Department will not use Escrow Documents to assess the Contractor's or subcontractors' qualifications for performing the Work. The Escrow Documents are, and will always remain, the property of the Contractor or subcontractors, subject to joint review by the Department and Contractor or subcontractors, as provided below.

Escrow Documents consist of one copy of all documents generated in preparation of the Proposal. This includes handwritten notes, records of phone conversations and phone quotes, letters, faxes, e-mails both printed and electronically archived, formal quotations, calculations, work sheets, conceptual progress schedules, marked up plan sheets, and any other paper or electronic record of how the Work was originally bid. These documents will be held in escrow for the duration of the Contract.

2. **Submittal.** The low bidder and the second low bidder shall submit their Bid Documents for purposes of escrow by 4:00 p.m. in the Office of Contracts at 1980 West Broad Street, Columbus, Ohio the next business day after the bid opening. The Escrow Documents shall be submitted in a sealed container containing only the Escrow Documents. Clearly mark the container with the Contractor's and subcontractors' name, date of submittal, project name and number, and the words "Escrow Documents."

Submittal shall be in accordance with this note. Failure of the low bidder or the second low bidder to submit their Bid Documents for purposes of escrow in a timely manner as defined above will result in a determination by the Department that the bid submitted by that particular bidder is non-responsive and ineligible for award.

3. **Stipulations and Acknowledgements.** The Department stipulates and expressly acknowledges that the Escrow Documents constitute proprietary information. This acknowledgement is based on the Department's expressed understanding that the information contained in the Escrow Documents is not known outside the Contractor's or subcontractors' business, is known only to a limited extent and by a limited number of the Contractor's or subcontractors' employees, and is safeguarded while in the Contractor's or subcontractors' possession. The Department further acknowledges that the Escrow Documents and the information they contain are provided for the joint use of the Contractor or the subcontractors and the Department.
The Contractor and subcontractors agree, as a requirement of the Contract, that the Escrow Documents constitute all the information used in the preparation of the Bid, and that no other Bid preparation information will be considered in the resolution of disputes and claims. The

Contractor and subcontractors also agree that nothing in the Escrow Documentation shall change or modify the terms or conditions of the Contract Documents.

The Department further agrees to safeguard the Escrow Documents, and all information they contain, against disclosure to the fullest extent permitted by law.

4. Format and Contents. The Contractor and subcontractors may submit Escrow Documents in their usual cost estimating format. It is not the intention of this subsection to cause the Contractor to expend additional effort during Proposal preparation, but to ensure that the Escrow Documents are adequate to enable complete understanding and proper interpretation for their intended use.

Ensure that the Escrow Documents clearly itemize the estimated costs of performing the Work of each contract item in the Proposal. Separate contract items into such items necessary to present a complete and detailed estimate of all costs. Detail the plant, equipment, material, and indirect costs in the Contractor's usual format. Ensure that the allocation of contingencies, mark ups, and other items are identified for each contract item.

Identify all elements of pricing developed solely based on experience or market factors, and for which a detailed cost estimate does not exist.

Identify all costs. For contract items amounting to less than $10,000, the Contractor may provide estimated costs without a detailed cost estimate.

Ensure that the Escrow Documents include all quantity take-offs, calculations of rates of production and progress, copies of quotes from subcontractors and suppliers, memoranda, narratives, add/deduct sheets, and all other information used by the Contractor to arrive at the prices contained in the Proposal.

5. Late Revisions. If the itemized cost breakdowns and allocations described elsewhere are not revised to reflect the final Bid prices, then submit information reconciling the Bid preparation documents and the Bid unit prices. Consider this reconciliation as a part of the Escrow Documents and include in the submittal.

6. Storage. The Department will acknowledge receipt of the Escrow Documents and place the Escrow Documents in an institution in Columbus, Ohio that is mutually agreed upon by both the Contractor and the Department for the life of the Contract. The Department will pay the cost of storage.

7. Examination. The Department, the Contractor, and when necessary, the applicable subcontractors will examine the Escrow Documents, at any time deemed necessary by either the Department or the Contractor, to assist in the negotiation of the settlement of disputes and claims; ensure that subcontractors are present if and when they are presenting a claim through the Contractor or when information is needed. The Contractor, applicable subcontractors, and the Department will be present to review the Escrowed Documents.

Examination of the Escrow Documents is subject to the following conditions:

a. The Escrow Documents are proprietary and confidential.

b. Access to the documents will take place only in the presence of authorized representatives from the Department, Contractor, and the applicable subcontractors.

c. The Contractor shall designate, in writing, the personnel from within the Contractor's organization who are authorized to examine the Escrow Documents. Submit this designation with the Escrow Documents. The Director or the designees may examine the Escrowed Documents.

8. Final Disposition. The Department will return the Escrow Documents to the Contractor and subcontractors after completion of the Contract and after all disputes and claims have been settled.

9. Escrow Agreement for Contract Bid Documents. The following Escrow Agreement shall be executed within ten (10) days after award of the Contract.

THIS AGREEMENT is made and entered into this __th day of Month, ____, by and among the Ohio Department of Transportation, an agency of the State of Ohio, hereinafter called the "Department", _____ the "Contractor", and the _____, hereinafter called the "Escrow Agent".

WHEREAS, the Department and Contractor entered into that certain construction contract dated _____, hereinafter called the "Contract", for the construction of Project Number _____, pursuant to which the Contractor shall cause the work therein to be constructed; and

WHEREAS, the Department and Contractor are desirous of entering into an Escrow Agreement, to provide for specific contingencies governing the escrow and control of contract bid documentation; hereinafter called "Bid Documents"; and

WHEREAS, the Department and Contractor desire the Escrow Agent to hold the Bid Documents of the Contractor;

NOW, THEREFORE, for and in consideration of the mutual covenants contained herein, it is agreed by and between the parties hereto that:

ARTICLE I - Contract Escrow Bid Documentation

The parties hereto agree to the establishment of Escrow of the Bid Documents for the contract pursuant to the Department's specifications pertaining to construction under the contract. It is the understanding of the parties hereto that the Department shall pay the Escrow Agent, as determined by separate agreement, for the escrow of the Bid Documents submitted to the Escrow Agent under the terms of this Agreement.

ARTICLE II - Acknowledgment

By its signature below, the Escrow Agent hereby acknowledges receipt from the Department and Contractor of a sealed container bearing the Contractor's name, address and Contract Project Number assigned by the Department and containing the Bid Documents.

ARTICLE III - Deposit of Bid Documents

The Bid Documents shall remain on deposit with the Escrow Agent until those conditions of release, as specified in Article IV "Release from Escrow", are met. As long as the Bid Documents remain in escrow with the Escrow Agent, the Escrow Agent shall not allow any person access, to gain possession, or to in any way interfere with the sealed Bid Document container.

ARTICLE IV - Release from Escrow

Upon being presented, by the Department, with documentation that the Final Estimate for the Contract has been paid to the Contractor, the Escrow Agent shall deliver to the Contractor the

sealed container bearing the Contractor's name, address and Contract Project Number on it. The Escrow Agent is also authorized to release the Bid Document sealed container to the Department without the Contractor's signed consent subject to the following conditions:

- The Contractor has provided written notification to the Department of the Contractor's intention to file a claim related to the Contract; or

- The Contractor has initiated litigation against the Department relating to the Contract.

Prior to any release from escrow to the Department, the Escrow Agent shall verify that either condition of release to the Department, as stated above, has been met by providing written notice to the Contractor of the Escrow Agent's intention to release the Bid Documents to the Department. Such written notice from the Escrow Agent shall be sent by overnight mail no less than ten (10) calendar days prior to release to the Department. Further, the written notice shall recite a date and time certain when the escrow documents will be released to the Department. The Contractor may be present at the time of release and also while the Department reviews the documents. Upon any release from escrow of the Bid Document container, the Escrow Agent shall cause the execution of Exhibit A, "ESCROW RELEASE for Contract Bid Documents," as attached hereto and incorporate herein as if fully contained, by the party receiving the Bid Document container.

ARTICLE V - Indemnity

The Contractor agrees to indemnify and hold the Escrow Agent harmless against any loss, claim, damage, liability or expenses incurred in connection with any action, suit, proceeding, claim or alleged liability arising from this Escrow Agreement, provided, however, that the Escrow Agent shall not be so indemnified or held harmless for its negligence or acts of bad faith by it or any of its agents or employees.

The Escrow Agent shall have no responsibility as to the genuineness of the signature or the validity of any document deposited in the escrow, nor as to the legal capacity or identity of the parties to this escrow, and the Escrow Agent shall be justified in every act, omission or forbearance in reliance upon the Escrow Agreement so long as and to the extent that it shall act or have acted in good faith.

All of the terms and conditions in connection with the Escrow Agent's duties and responsibilities, and the rights of the undersigned parties are contained in the Escrow Agreement. The Trust Company is not required to be familiar with the provisions of any other instrument or agreement and shall not be charged with any responsibility or liability in connection with the observance or non-observance, by any person, of the provisions of any other such instrument or agreement.

The Escrow Agent shall not be responsible for the determination of any facts or conditions on which the parties may give notice, but the Escrow Agent may rely solely on the notice received from the parties as to the existence of such facts or conditions.

The Escrow Agent may act or refrain from acting in respect of any matter referred to in the Escrow Agreement or additional instructions received in the performance of its duties in full reliance upon the advice of counsel which may be selected by it, and shall be fully protected in so acting or refraining from acting upon the advice of such counsel.

The Escrow Agent may obey and comply with any order or process of a court (whether or not such court shall have jurisdiction) commanding it to do or to refrain from some act in relation to the subject matter of this escrow. It may rely and continue to rely conclusively upon such orders or process, notwithstanding that it may found subsequently to be void or voidable, until one of the

Trust Officers of the Escrow Agent, shall have actual knowledge that such order or process shall have been modified, annulled, set aside, vacated or quashed.

ARTICLE VI - Notices

All notices and other communication shall be in writing and shall be deemed to have been duly given and delivered if mailed by certified mail, return receipt requested, postage prepaid to the addresses stated herein:

Department:

The Ohio Department of Transportation
James G. Beasley, P.E., P.S., Director
1980 West Broad Street
Columbus, Ohio 43223

Contractor:

_____

_____

_____

Escrow Agent:

_____

_____

_____

ARTICLE VII - Duties of Escrow Agent

The duties and responsibilities of the Escrow Agent shall be limited to those expressly set forth herein and the Escrow Agent shall act only in accordance with this Escrow Agreement. Notwithstanding specific provisions hereunder, the Escrow Agent shall at all times act upon and in accordance with the joint written instructions of the Department and Contractor.

ARTICLE VIII - Laws

This Escrow Agreement shall be deemed to have been executed in Franklin County, Ohio and the laws of the State of Ohio shall apply.

ARTICLE IX - Assignment

This Escrow Agreement shall not be assigned without the written consent of all the parties hereto.

ARTICLE X - Survival of Contract

Except as may be expressly modified, all terms and conditions of this Escrow Agreement remain in full force and effect. The establishment of this Escrow Agreement is limited solely by the contingency of release of the Bid Documents by the Contractor to the Department, as established by Article IV, Release from Escrow. Nothing contained herein shall alter the rights of the parties hereto.

The covenants herein contained shall, except as otherwise provided, accrue to the benefit of and be binding upon the successors and assigns of the parties hereto.

In witness whereof, the parties have hereunto set their hands and seals the day above first written.

The Contractor:

By: _____

_____
(Title)

_____
(Witness)

_____
(Date)

The Ohio Department of Transportation:

By: _____

_____
(Title)

_____
(Witness)

_____
(Date)

_____ (Escrow Agent):

By: _____

_____
(Title)

_____
(Witness)

_____
(Date)

EXHIBIT A - ESCROW RELEASE for Contract Bid Documents

This is to certify that on this _____ day of _____, 20____, the sealed container identified as:

Bid Documentation

Contractor: _____

_____
(Address)

_____

Contract
Project Number: _____

Date of Submittal: _____

(Evidence by Agreement dated _____**),**

was released from escrow and personally handed to the below name individual acknowledging receipt, representing the Contractor/Department, by the Escrow Agent upon the presentation of the required documentation pursuant to Article IV, Release from Escrow, of that agreement dated _____, 20____, a copy of such documentation is attached hereto.

Acknowledgment of Receipt:

_____

Acknowledgment of Release:

_____

_____
(Escrow Agent)

PN 130 - 07/21/2006 - Extension to the Completion Date for Weather

Extensions of time for the duration of the entire project will be for calendar days and calculated in accordance with Section 108.06 of the Construction and Materials Specifications except delays caused by weather or seasonal conditions should be anticipated and will be considered as the basis for an extension of time only when the actual work days lost exceeds the number of work days lost each month due to inclement weather as determined by the following schedule:

Month	Number of Work Days Lost Due to Weather
January	8
February	8
March	7
April	6
May	5
June	5
July	4
August	4
September	5
October	6
November	6
December	6

This table applies to the duration between contract execution and original completion date. Extensions for weather days beyond the original completion date will be determined in accordance with 108.06.C.

PN 416 - 7/15/2005 - DESIGN REQUIREMENTS FOR PLANT MIX PAVEMENTS (HEAVY)

On this project, design all 301 bases and asphalt pavements requiring 441 for HEAVY traffic volumes.

PN 420 - 04/18/2008 - SURFACE SMOOTHNESS REQUIREMENTS FOR PAVEMENTS

DESCRIPTION: The surface tolerance specification requirements are modified as follows for all mainline lanes and collector-distributor road pavements of constant width. Surface tolerance requirements for other areas such as ramps, acceleration and deceleration lanes, side roads, shoulders, crossovers, approach slabs, bridge decks, etc., are not a part of this specification and are subject to the requirements of the original item(s) specified.

If the pavement surface is Rubberized Open Graded Asphalt Friction Course (Supplemental Specification 803), this specification applies to the surface of the course immediately below.

MATERIALS AND EQUIPMENT: Provide smoothness measuring equipment conforming to Supplement 1058. Furnish the Department's approval letter of the profiler and the operator to the Engineer. The Engineer will verify the smoothness measuring equipment conforms to Supplement 1058. The Engineer will verify the profile operator's certification against the operator list posted on the Office of Pavement Engineering webpage. Furnish equipment meeting the requirements of C&MS 257.02 for performing corrective diamond grinding.

SMOOTHNESS MEASUREMENT: Measure the pavement surface smoothness in both wheel paths. Wheelpaths are located parallel to the centerline of the pavement and approximately 3.0 feet (1.0 m) inside all lane edges, measured transversely. Ensure the path of the profiler is parallel to the lane edges at all times. Measure the entire length of pavement, starting and stopping the profile runs when the profile sensor(s) is within 1.0 foot (0.3 m) of any existing pavement, pressure relief joint, approach slab, or other non pavement features (i.e. manholes, valveboxes). Remove any objects such as dirt, debris, curing covers, etc., prior to performing the surface smoothness measurements. Replace any curing covers after the measurements are taken. Repair any membrane curing damaged during the measurements.

Do not perform any surface smoothness measurements until the pavement has cured sufficiently to allow measuring without damaging the pavement. When the pavement will not support the profiler on the next working day, notify the Engineer and inform the Engineer when the profile will be run. Notify the Engineer each day prior to performing any measurements.

Develop an International Roughness Index (IRI) according to ASTM E 1926 for each 0.1-mile (0.16 km) section. Submit two copies of the summary report from ProVAL conforming to Supplement 1110 and two electronic copies of all longitudinal pavement profiles in ProVAL compatible format to the Engineer. The Engineer will submit one copy of the summary report and one electronic copy of the profiles to the Office of Pavement Engineering.

Provide necessary traffic control and survey stationing for all surface smoothness measurements.

MANDATORY CORRECTIVE WORK: Perform corrective work for the applicable surface type as required. Do not include pavement within 40 feet (12.2 m) of a bridge deck or approach slab in any 0.1-mile (0.16 km) section evaluated for pay adjustment. These 40 feet (12.2 m) sections will be measured and evaluated for localized roughness corrections

Asphalt Concrete Surface: Correct all localized areas of roughness having deviations, high or low points, with an IRI in excess of 160 inches per mile (2.53 m/km) in 25 feet (7.6 m). Correct any 0.1-mile (0.16 km) sections having an IRI greater than 95 inches per mile (1.50 m/km). Perform corrective work by removing and replacing to the depth necessary to correct the deviations or by diamond grinding. Use asphalt concrete meeting the contract requirements for the replacement work. Apply Item 407 Tack Coat prior to placing the surface course. Limit the length of any one

diamond grinding location to no more than 30 feet (10 m), measured longitudinally. The amount of diamond grinding per 0.1-mile (0.16 km) section is limited to no more than 10% of the section length, otherwise, remove and replace is required. The total amount of grinding is limited to no more than 5% of the lane-miles (lane-km) eligible for a pay adjustment.

Re-measure each 0.1-mile (0.16 km) section where corrective work was performed to ensure the IRI is less than 95 inches per mile (1.50 m/km) and there are no localized areas of roughness with an IRI in excess of 160 inches per mile (2.53 m/km) in 25 feet (7.6 m). Perform additional corrective work until the IRI is less than 95 inches per mile (1.50 m/km) for each 0.1 mile (0.16 km) section and any localized roughness areas have an IRI less than 160 inches per mile (2.53 m/km) in 25 feet (7.6 m).

If the final surface course is Item 803, seal any diamond ground areas with material meeting the requirements of 702.04 prior to placing the Item 803.

Portland Cement Concrete Surface: Correct all localized areas of roughness having deviations, high or low points, with an IRI in excess of 160 inches per mile (2.53 m/km) in 25 feet (7.6 m). Correct any 0.1-mile (0.16 km) section having an IRI greater than 95 inches per mile (1.50 m/km). Perform corrective work by diamond grinding or removing and replacing. Use Portland cement concrete meeting the contract requirements for the replacement work.

Re-measure each 0.1-mile (0.16 km) section where corrective work was performed to ensure the IRI is less than 95 inches per mile (1.50 m/km) and there are no localized areas of roughness with an IRI in excess of 160 inches per mile (2.53 m/km) in 25 feet (7.6 m) or less. Perform additional corrective work until the IRI is less than 95 inches per mile (1.50 m/km) for each 0.1 mile (0.16 km) section and any localized roughness areas have an IRI less than 160 inches per mile (2.53 m/km) in 25 feet (7.6 m).

Complete all corrective work prior to determination of pavement thickness.

If corrective work is required the surface texture after diamond grinding is acceptable and no additional texturing is required.

EXEMPTED CORRECTIONS: Required corrective work resulting from contract requirements for maintaining traffic are considered exempted corrections. Exempted corrections occur primarily at ramps or other access points where paving must be suspended in order to maintain traffic. Required corrective work due to paving suspensions at the end of a work period, material availability, weather, or any reason other than maintaining traffic are not considered exempted corrections. No exempted corrections exist on projects where the maintenance of traffic plan does not interfere with paving operations. Perform exempted corrections according to the requirements for mandatory corrective work.

METHOD OF MEASUREMENT: Determine the IRI for each lane for each 0.1-mile (0.16 km) section of paving. The IRI for a 0.1-mile (0.16 km) section is the average of the IRI of the two wheel paths.

PAY ADJUSTMENTS: A lump sum pay adjustment will be made according to the following schedule for each lane for each 0.1-mile (0.16 km) section, regardless of lane width. Pay adjustments are based on pavement thickness. Pavement thickness is the total thickness of asphalt concrete, Portland cement concrete, or both placed as part of the contract and does not include any free draining base, aggregate base, stabilized subgrade, etc.

PAY SCHEDULE	
IRI	PAY ADJUSTMENT

Inches per mile per 0.1 mile section (m/km per 0.16 km section)	Pavement Thickness less than 8 inches (200 mm)	Pavement Thickness 8 inches (200 mm) and greater
45 (0.71) or less	$375.00	$875.00
Over 45 to 50 (0.71 to 0.79)	$225.00	$525.00
Over 50 to 55 (0.79 to 0.87)	$150.00	$350.00
Over 55 to 60 (0.87 to 0.95)	$75.00	$175.00
Over 60 to 70 (0.95 to 1.10)	$0.00	$0.00
Over 70 to 75 (1.10 to 1.18)	-$150.00	-$350.00
Over 75 to 80 (1.18 to 1.26)	-$300.00	-$700.00
Over 80 to 85 (1.26 to 1.34)	-$450.00	-$1050.00
Over 85 to 90 (1.34 to 1.42)	-$600.00	-$1400.00
Over 90 to 95 (1.42 to 1.50)	-$750.00	-$1750.00
Over 95 (1.50)	(1)	(1)

(1) Corrective work required

Pay adjustments will be based only on the measured IRI after any mandatory corrective work or corrective work due to localized roughness, however no incentive will be paid for any 0.1-mile (0.16 km) section where mandatory corrective work was performed regardless of the resulting IRI.

Negative pay adjustments apply to sections with mandatory corrective work and exempted corrections. One-tenth mile (0.16 km) sections with exempted corrections only are eligible for incentive pay based on IRI measurements taken after completion of the exempted corrections.

At the Contractor's option, corrective work may be performed on any section with an IRI greater than 70 inches per mile (1.10 m/km) to reduce or eliminate the negative pay adjustment. however, no incentive will be paid regardless of the resulting IRI.

As an option perform corrective work in the form of diamond grinding or Item 254 pavement planing to improve the profile on any course prior to the surface course. If the final course is Item 803 do not perform corrective work on the Item 803. Only diamond grinding may be performed on the course immediately below Item 803.

Negative pay adjustments apply to sections with mandatory corrective work and exempted corrections.

No payment will be made for any 0.1-mile (0.16 km) section with an IRI greater than 95 inches per mile (1.50 m/km), until corrective work has been completed and the IRI has been reduced to less than 95 inches per mile (1.50 m/km).

BASIS OF PAYMENT: Include the cost of all labor, equipment, and materials necessary to meet this specification in the contract unit or lump sum price for the applicable pavement items.

The Department will pay for exempted corrections according to 109.04

PN 520 – 03/01/2006 - FUEL PRICE ADJUSTMENT

General: This Fuel Price Adjustment (Fpa) provision is intended to minimize risk to the Contractor due to fuel price fluctuations that may occur during the Contract. This provision is not designed to estimate actual quantities of fuel used in construction operations, but to provide a reasonable basis for calculating a fuel price adjustment based on average conditions.

The Department determines adjustments under the provisions of this Proposal Note, and presumes that the Contractor has relied on these provisions when determining unit bid prices.

The monthly application range for percent change (Mbp/Cbp) will not exceed 50% for a Fuel Price Adjustment increase or decrease as outlined in Section B, Calculation of Fuel Price Adjustment.

A. Price Adjustment Criteria: These requirements provide for a price adjustment, positive or negative, to payments due the Contractor for fluctuations in the cost of fuel consumed in the performance of certain items of work. These price adjustment provisions apply only to those items in the contract as grouped by category and identified in Table A-1. All adjustments will be made based on fuel consumption indicated by Table A-1, and no changes will be made for actual consumption rates.

Category descriptions and the fuel usage factors which are applicable to each are as follows:

Fuel Adjustment Categories, Table A-1				
Category	Basis of Calculation and Threshold Quantity	Eligible Items	Units	Fuel Usage Factor
Earthwork	Apply only to the greater of the sum of all Excavation quantities or the sum of all Borrow and Embankment quantities. Threshold Quantity* = 30,000 c.y. (22,936 c.m.)	203, 204	Gallons per cubic yard (Gallons per cubic meter)	0.50 (0.65)
Aggregate Bases	Apply to quantity calculated based on the Method of Measurement and Basis of Payment. Threshold Quantity* = 2,500 c.y. (1,912 c.m.)	304, 307	Gallons per cubic yard (Gallons per cubic meter)	0.75 (0.98)
Flexible Bases and Pavements	Apply to quantity calculated based on the Method of Measurement and Basis of Payment. Threshold Quantity* = 1,200 c.y. (917 c.m.)	301, 302, 308, 424, 442, 443, 446, 448, 803, 826, 857, 880	Gallons per cubic yard (Gallons per cubic meter)	4.50 (5.88)
Rigid Bases and Pavements	Apply to quantity calculated based on the Method of Measurement and Basis of Payment. Threshold Quantity* = 1,200 c.y. (917 c.m.)	305, 306, 451, 452, 526, 884, 896	Gallons per cubic yard (Gallons per cubic meter)	1.00 (1.31)
Structural Concrete	Apply to quantity calculated based on the Method of Measurement and Basis of Payment. Threshold Quantity* = 350 c.y. (268 c.m.)	511, 524, 842, 892, 893, 894, 898	Gallons per cubic yard (Gallons per cubic meter)	4.00 (5.23)

* A Fuel Price Adjustment will only apply when the sum of all original contract quantities for the category meet or exceed the specified Threshold Quantity. When a Fuel Price Adjustment applies, calculate the Fuel Price Adjustment for the sum of all quantities for the category per this proposal note.

B. Calculation of Fuel Price Adjustment: Fuel Price Adjustments may be either positive or negative. A positive Fuel Price Adjustment will result in a payment to the contractor while a negative Fuel Price Adjustment will result in a deduction.

The Department will calculate a Monthly Base Price (Mbp) for fuel for each month of each calendar year beginning with January 2001. The method for calculating the Monthly Base Price (Mbp) will be on file in the Division of Construction Management. The Monthly Base Price (Mbp)

will be used to calculate all Fuel Price Adjustments. The Contract Base Price (Cbp) will be the Monthly Base Price (Mbp) for the month the contract was bid. All Monthly Base Price (Mbp) values will be posted on the Division of Construction Management, Office of Construction Administration website at:

HTTP://WWW.DOT.STATE.OH.US/CONSTRUCTION/OCA/DEFAULT.HTM

During each month of the contract the Engineer will select the applicable Monthly Base Price (Mbp) and calculate the ratio of the Monthly Base Price (Mbp) divided by the Contract Base Price (Cbp). The formulas below allow for a variation in fuel prices without recognizing cost increases/ decreases within the range of 90% to 110% of the Contract Base Price (Cbp).

When, and only when, the Monthly Base Price (Mbp) divided by the Contract Base Price (Cbp) is less than 0.90 or greater than 1.10 will the Engineer calculate a Fuel Price Adjustment (Fpa).

Cost increases in excess of 150% of the Contract Base Price (Cbp) will not be recognized. When, the Monthly Base Price (Mbp) divided by the Contract Base Price (Cbp) is greater than 1.50, the Fpa shall be calculated using a Cbp/Mbp ratio of 1.50.

Cost decreases in excess of 50% of the Contract Base Price (CBP) will not be recognized. When, the Monthly Base Price (Mbp) divided by the Contract Base Price (Cbp) is less than 0.50, the Fpa shall be calculated using a Cbp/Mbp ratio of 0.50.

For a Price Increase:

$$Fpa = [(Mbp/Cbp) - 1.10] \times Cbp \times Q$$

For a Price Decrease:

$$Fpa = [(Mbp/Cbp) - 0.90] \times Cbp \times Q$$

Where:

Fpa = Fuel Price Adjustment
Mbp = Monthly Base Price
Cbp = Contract Base Price
Q = The number of gallons of fuel used in the placement of items identified in Table A-1 during that month at the specified Fuel Usage Factor. Q will be determined by the Engineer for each category by multiplying the applicable Fuel Usage Factor by the sum of quantities of completed and accepted work for the specified items.

The total Monthly Fuel Price Adjustment will be the algebraic sum of the Fuel Price Adjustments for materials placed during the month for each applicable category identified in Table A-1. The Total Fuel Price Adjustment for the project will be the algebraic sum of all Monthly Fuel Price Adjustments. The Department will calculate the Monthly and Total Fuel Price Adjustment on a monthly basis and make contract modifications as provided in
Section C, Payment/Deduction.

C. Payment/Deduction: The Fuel Price Adjustment will be paid, or deducted, upon approval of a change order prepared after completion of all work. Contractor markups are not permitted. Partial payments or deductions will be processed prior to total completion when the unpaid accrued Total Fuel Price Adjustment exceeds $10,000 or once every 12 months.

D. Expiration of Contract Time: When eligible items of work grouped by category and identified in Table A-1 are performed after expiration of contract time and liquidated damages are

chargeable, the value of Monthly Base Price (Mbp) used to compute the price adjustment will be either the Monthly Base Price (Mbp) at the time of actual performance or the Monthly Base Price (Mbp) at the time contract time expired, whichever is less.

E. Extra Work: When eligible items of work grouped by category and identified in Table A-1 are added to the contract as Extra Work and for which a unit price is negotiated the contractor must use the appropriate price for fuel when preparing required backup data for the negotiated price. No Fuel Price Adjustment will be made for fuel consumed in the performance of eligible work added to the contract as Extra Work at a negotiated price when the work commences within 90 days of the approval of the change order authorizing said extra work. If the eligible work at a negotiated price commences more than 90 days after the approval of the change order authorizing said extra work a Fuel Price Adjustment will be made if said extra work quantities exceed the applicable threshold quantity in Table A-1. The Fuel Price Adjustment will be calculated using the Monthly Base Price (Mbp) value for the month the change order authorizing said extra work was approved as the value for its Contract Base Price (Cbp).

When Extra Work is added to the contract as a Force Account operating costs for equipment used in the performance of this work will be paid in accordance with C&MS 109.05.C.4 with no further adjustment.

F. Final Quantities: Upon completion of the work and determination of final pay quantities a change order will be prepared to reconcile any difference between estimated quantities previously paid and the final quantities. In this situation, the value for the Monthly Base Price (Mbp) used in the price adjustment formula will be the average of all Monthly Base Price (Mbp) values previously used for computing price adjustments.

PN 525 - 08/02/2004 – STEEL PRICE ADJUSTMENT

A. **General:** This proposal note acknowledges fluctuations in the cost of manufactured steel used in the materials defined below and placed as part of the applicable construction work in the form of a pay adjustment. This proposal note will be used in bidding documents only for as long as the price of the steel products set out below are subject to volatile spikes as determined solely by the Department. It is not the intention of the Department to make this proposal note permanent.

These price adjustment provisions apply to items in the contract including any modified standard or non-standard item where the work to be performed involves the placement or installation of one or more of the steel products specified herein.

The Department will publish a monthly adjustment index for steel using data obtained from the United States Department of Labor (USDOL), Bureau of Labor Statistics (BLS) Producer Price Index (PPI), using the average of Metals and Metal Products (WPU10), Iron and Steel (WPU101), and Steel Mill Products (WPU1017). This monthly index is listed as preliminary for four (4) months after initial publication. The Engineer will use the preliminary index data to compute progressive monthly adjustments with final adjustments occurring when the BLS data is finalized or at project closeout using the preliminary data, whichever occurs earlier. The Department will publish a monthly cost basis (CB) for steel using data obtained on the last Wednesday of the month from the American Metal Market (AMM). The cost basis shall determine the raw steel material price for Steel Plate, Cut-to-length as reported for National Mills; Steel – Rod, high carbon (1050) industrial quality as reported for the United States; and Steel – Bar, Merchant Products, Reinforcing Bar, as reported for the United States by the American Metal Market.

B. **Price Adjustment Criteria and Conditions:** Adjustments will be made to the contract for fluctuations in the cost of steel used in the manufacture of the primary components of only the steel products listed in Table B-1:

Product Relationship Table B-1		
Steel Product (Title)	AMM Product Designation (CB)	USDOL-BLS PPI (MI, BI)
Steel Piling and stay in-place steel casing Structural Steel Structural Steel Expansion/ Contraction Joints Steel Bearing Devices Guardrail Steel Traffic Strain Poles, Supports, and Mast Arms Steel Light Towers, Poles, and Mast Arms Sign Ground Mounted Beam Supports, Rigid Overhead Supports, and Span Wire Supports Steel Railing Corrugated Steel Pipe	Steel Plate, Cut-to-length (National Mills)	Average of, Metals and Metal Products (WPU10), Iron and Steel (WPU101), and Steel Mill Products (WPU1017)
Prestress and Post tensioning strand	Steel – Rod, high carbon (1050) industrial quality (United States)	
Reinforcing Steel	Steel – Bar, Merchant Products, Reinforcing Bar (United States)	

Nuts, bolts, rebar chairs, connecting bands and other miscellaneous hardware items shall not be included in the price adjustment. No other steel products shall be considered for a price adjustment.

Adjustments will only be made for fluctuations in the cost of the steel used in the above products as shipped from the producing mill. No adjustment will be made for changes in the cost of manufacturing, fabrication, shipping, storage, etc.

Adjustments may be positive, negative, or non-existent depending on the circumstances. Adjustments for the steel price will be calculated by the Engineer and processed by change order on the Contractor's progress estimate.

No steel price adjustments will be made for any products manufactured from steel having a mill shipping date prior to the letting date.

Furnish the following documentation for all Table B-1 steel products to be incorporated into the work. Submit all documentation to the Engineer prior to incorporation of the steel into the work. The Department will withhold progress payments if the documentation is not provided and at the discretion of the Engineer the work is allowed to proceed. Progress payments will be made upon receipt of the delinquent documentation. Submit separate documentation packages for each steel product in Table B-1 and for each quantity represented by items 2) c and d below. Label each documentation package with a unique number.

1) An affidavit signed by the Contractor stating that the documentation provided is true and accurate.
2) Identification of the steel product subject to adjustment.
   a. Documentation package number: PN525 – (Insert the steel product "title" from Table B-1) – (Insert sequential package number beginning with "1"). Example: PN525 – Guardrail – 1, PN 525 – Reinforcing Steel – 2, etc...

b. The steel product quantity in pounds (kg).
c. Steel Certification and Mill Test Reports for the steel product.
d. The date the steel product, subject to adjustment, was shipped from the producing mill.

Upon the incorporation of the steel product into the work provide the Engineer the following:

1) An affidavit signed by the Contractor stating that the documentation provided is true and accurate.
2) Identification of the steel product subject to adjustment.
   a. Documentation package number that was initially established for the steel product for which the price adjustment will be calculated.
   b. The actual steel product quantity in pounds (kg) that was incorporated into the work.

Price Adjustment Calculations

The below formulas allow for a variation in steel prices without recognizing cost increases/decreases within the range of 95% to 105% of the Bidding Index (BI). The total steel price adjustment (SPA) will not be computed unless the percent % Change is 5% or more, increase or decrease:

% Change = [(MI/BI) – 1] x 100

For a Price Increase:

SPA = [(MI/BI) – 1.05] x CB x Q

Example: If the average PPI for the month in which the project is let is 110 and the average PPI for the month is which the steel is shipped from the mill is 165 and the Cost Basis (CB) on the last Wednesday of the month preceding the letting date is $0.32 per pound for a quantity of 50,000 pounds, then the price adjustment increase would be calculated as follows.

SPA = [(165/110) – 1.05] x 0.32 x 50,000 = $7,200.00 (Increase)

For a Price Decrease:

SPA = [(MI/BI) - 0.95] x CB x Q

Example: If the average PPI for the month in which the project is let is 165 and the average PPI for the month is which the steel is shipped from the mill is 120 and the CB on the last Wednesday of the month preceding the letting date is $0.32 per pound for a quantity of 50,000 pounds, then the price adjustment decrease would be calculated as follows.

SPA = [(120/165) – 0.95] x 0.32 x 50,000 = - $3,563.64 (Decrease)

Where:
SPA = Steel Price Adjustment

MI = Mill Shipping Index. The average of the Producer Price Indices for Metals and Metal Products (WPU10), Iron and Steel (WPU101), and Steel Mill Products (WPU1017) as reported by the United States Department of Labor, Bureau of Labor Statistics for the month the steel was shipped from the producing mill.

BI = Bidding Index. The average of the Producer Price Indices for Metals and Metal Products (WPU10), Iron and Steel (WPU101), and Steel Mill Products (WPU1017) as reported by the United States Department of Labor, Bureau of Labor Statistics for the month proceeding the month in which the project is bid.

CB = Cost Basis. The Consumer Buying Price Index value for either Steel – Bar, Merchant Products, Reinforcing Bar (United States); or Steel – Rod, high carbon (1050) industrial quality (United States); or Steel Plate, Cut-to-length (National Mills) as published by the American Metal Market (AMM) on the last Wednesday of the month preceding the month in which the project is bid. The CB (Cost Basis) shall be established for the product relationships listed in Table B-1 and shall establish the raw material base price. The price shall be adjusted to dollars per pound (kg).

Q = Quantity of the steel product, pounds (kg) actually incorporated into the work as documented by the Contractor and verified by the Engineer

C. Price Adjustment Limitations: The price adjustments are limited to a % Change of 50%, increase or decrease.

Example 1: If the average PPI for the month in which the project is let is 110 and the average PPI for the month is which the steel is shipped from the mill is 171 and the CB on the last Wednesday of the month preceding the letting date is $0.32 per pound for a quantity of 50,000 pounds, then the price adjustment increase would be calculated as follows.

% Change = [(171/110)-1] x 100 = 55.45%

The limit is 50% thus the SPA is calculated as follows:

SPA = [(1.50) – 1.05] x 0.32 x 50,000 = $7,200.00 (Increase)

Example 2: If the average PPI for the month in which the project is let is 165 and the average PPI for the month is which the steel is shipped from the mill is 70 and the CB on the last Wednesday of the month preceding the letting date is $0.32 per pound for a quantity of 50,000 pounds, then the price adjustment decrease would be calculated as follows.

% Change = [(70/165)-1] x 100 = -57.58%

The limit is -50% thus the SPA is calculated as follows:

SPA = [(0.50) – 0.95] x 0.32 x 50,000 = - $7,200.00 (Decrease)

D. Payment/Deductions: The price adjustment will be paid, or deducted from the Contractor's progress estimate, upon approval of a change order. The Engineer will use the preliminary BI and MI index data to compute progressive monthly adjustments with final adjustments occurring when the BLS data is finalized, (four months after initial publication) or at project closeout using the preliminary data, whichever occurs earlier.

If the price adjustment is based on estimated material quantities for that time, and a revision to the total material quantity is made in a subsequent or final estimate, an appropriate adjustment will be made to the price adjustment previously calculated. The adjustment will be based on the same indices used to calculate the price adjustment which is being revised. If the shipping date(s) of the revised material quantity cannot be determined, the adjustment for the quantity in question, will be based on the indices utilized to calculate the steel price adjustment for the last initial documentation package submission, for the steel product subject to adjustment, that was incorporated into the particular item of work, for which quantities are being finalized.

Example: Reinforcing steel for a particular bridge deck was provided for in three different shipments with each having a different mill shipping date. The quantity of reinforcing steel actually incorporated into the deck was calculated and a steel price adjustment was made in a progress payment. At the conclusion of the work an error was found in the calculation of the final quantity of reinforcing steel incorporated into the deck. The quantity to be adjusted can not be directly related to any one of the three mill shipping dates. The steel price adjustment for the quantity in question would be calculated using the indices that were utilized to calculate the steel price adjustment for the quantity of reinforcing steel represented by the last initial reinforcing steel documentation package submission. The package used would be the one with the greatest sequential number.

E. Expiration of Contract Time: When steel products are shipped from the mill after expiration of contract time and liquidated damages are chargeable, steel price adjustments will be based on the MI for the month in which contract time expired.

F. Documentation Review: The Department reserves the right to inspect the records of the Contractor, its subcontractors, material fabricators and suppliers to verify the accuracy of the documentation submitted to the Department.

G. Extra Work/Force Account: When steel products, as specified herein, are added to the contract as Extra Work, in accordance with the provisions of C&MS Section 109, no steel price adjustments will be made for any products manufactured from steel having a mill shipping date 5 business days after the Department's request. Price adjustments will be made as provided herein however the BI shall be based on the month preceding the 5th business day after the Department's request. Moreover the CB shall be based on the applicable AMM Consumer Buying Price Index as published on the last Wednesday of the month preceding the 5th business day after the Department's request. For extra work performed on force account basis, reimbursement of actual material costs, along with the specified overhead and profit markup, will be considered to include full compensation for the current cost of steel and no steel price adjustments will be made.

PN 623 – 04/15/2005 - PROVIDING ELECTRONIC EQUIPMENT FOR CONSTRUCTION LAYOUT

The requirements of Item 623 apply, except as modified below:

623.02 General
If the Contractor elects to perform any portion of the projects construction layout by electronic methods according to Item 623, then provide the Department's Project Engineer with a real time survey grade global positioning satellite (GPS) receiver and data collector. Provide a device that has a radio able to receive real time correctors and has an accuracy of 0.10 of a foot in both horizontal and vertical from true stationing. These requirements will permit the Department to verify the construction layout, perform check sections, and document pay items.

Provide all 3D models, control points, alignments, templates, and all other pertinent design files and information used to construct the project, including, but not limited to: DEM's (digital elevation models), DTM's (digital terrain models), TIN's (triangulated irregular network), DXF's (drawing exchange formats), DWG's (autocad files), DGN's (microstation), PRO's (terramodel)...ect." Provide the computer to run the necessary software.

Provide the technical assistance to the Engineer and train the Engineer on how to use the provided equipment and software. Sixteen hours shall be spent with the authorized manufacture representative, the engineer, and the contractor.

Upon completion of the project, this equipment will remain property of the Contractor.

623.03 Method of Measurement
The Department will measure the number of Providing Electronic Instrumentation by each. The Department will measure the amount of Technical Assistance by the hour.

623.04 Basis of Payment
The Department will pay for the accepted quantities at the contract prices as follows:

Item	Unit	Description
Special	Each	Providing Electronic Instrumentation
Special	Hours	Technical Assistance

PID 78570

Utility Note

CLI-73-8.34

April 10, 2008

THE DAYTON POWER & LIGHT COMPANY (DP&L) - Electric
DP&L has existing facilities within the construction limits as shown in the construction plans. All relocation work will be completed on or before August 29, 2008. The contact person for DP&L is John Kenton at 937-331-4132.

VERIZON - Telephone
Verizon has existing facilities within the construction limits as shown in the construction plans. All relocation work will be completed on or before September 5, 2008. The contact person for Verizon is Scott Pfister at 937-382-4224.

VECTREN GAS
Vectren has existing facilities within the construction limits as shown in the construction plans. All relocation work will be completed on or before August 29, 2008. The contact person for Vectren is Don Specht at 937-440-1965

WESTERN WATER COMPANY
Western Water has existing facilities within the construction limits as shown in the construction plans. All relocation work will be completed on or before August 29, 2008. The contact person for Western Water is Kurt Meeker at 513-899-3211, Ext 22.

The relocation work is as follows (stationing and offset are approximate):

Western Water will starting at Station 48+60, 35 ft Rt. to Station 48+60, 85 ft Rt., to Station 51+45, 85 ft Rt., to Station 51+45, 35 ft Rt.

CITY OF WILMINGTON – Water
The Water Department has existing facilities within the construction limits as shown in the construction plans. These facilities will stay in place and in service. The contact person is Larry Reinsmith at 937-382-6509.

CLINTON COUNTY
CLI-73-8.34; PID 78570
INDIANA & OHIO RAILWAY CO.
MP 59.08 +/-

SPECIAL CLAUSES IN THE PROPOSAL

The bidder, if awarded the contract for this improvement agrees:

1. To cooperate at all times with the local officials of the Railway Company.

2. To use all reasonable care and diligence in the work in order to avoid accidents, damage or unnecessary delay to, or interference with the trains and other property of the Railway company.

3. To conduct his work in a manner satisfactory to the Chief Engineer of the Railway company or his authorized representative, to perform his work in such manner and at such time as not to unnecessarily interfere with the movements of trains or railroad traffic, and to hold his work at all times open to inspection of Railway company inspectors.

4. To cooperate with any public utility, railroad or other organizations having occasion to do work on or in connection with the improvement.

5. To avoid unnecessary use of Railway property without written permission of the Railway company and to leave railroad roadbed and property in a condition acceptable to the Chief Engineer of the Railway company.

6. To execute a bond conditioned according to Section 5525.16 of the Revised Code of Ohio, in favor of the State of Ohio, Clinton County, and Central Railroad of Indiana and further to carry insurance of the following kinds and amounts:

   a) **Railroad Protective Liability Insurance.**

      He shall furnish evidence to the highway department that, with respect to the operations he or any of his sub-contractors perform, he has provided for and in behalf of Central Railroad of Indiana, in the amount of $5,000,000 per occurrence and subject to that limit per occurrence, an aggregate limit in the amount of $10,000,000 for each annual period.

      The above railroad protective policy of insurance shall conform to the Railroad Liability requirements prescribed by the Federal Highway Administration in Federal-Aid Policy Guide 23 CFR 646A as amended.

The corporate name and address of the "Named Insured" as listed on the policy shall be as follows:

Indiana & Ohio Railway Company
498 Circle Freeway Drive, Suite 230
Cincinnati, OH 45246

Common Policy Conditions form
Any other endorsement/form not specifically authorized above.

The number of trains operating through the improvement is estimated to be:

1

__0__ Passenger trains per day @ _____ miles per hour.

__6__ Freight trains per day @ __40__ miles per hour.

(b) **General Insurance Requirements**

The insurance hereinbefore specified shall be with an acceptable insurance company authorized to do business in the State of Ohio, and shall be taken out before execution of the Contract by the Director and kept in effect until all work required to be performed under the terms of the contract is satisfactorily completed as evidenced by the formal acceptance by the State. Such policies shall include thirty (30) days canceling notice. The cost of insurance hereinbefore specified in subsection (a) will be a specific bid item.

Notwithstanding the Department's Construction and Material Specification No. 107.14 "Evidence" as above set forth shall consist of furnishing the Director of Transportation three (3) certified copies of the railroad policy.

7. The Railway Company will assign, at the sole cost and expense of the Department, railroad flaggers or other protective services and devices as necessary to insure the safety and continuity of the work to be performed as a part of this contract. Said services and devices will be provided when necessary, as determined by the Railway company, because of any of the Contractor's operations over, under or adjacent to tracks over which trains are operating. The provision of such protective personnel and devices does not relieve the Contractor from the liability of payment for damage caused by his operations.

Such protection will be required when men or equipment are working within clearances limits of 25 feet of a rail or when work being performed adjacent to operating tracks may present hazards to tracks, train operation, or when equipment does or may infringe upon such limits.

The Contractor will not be permitted to operate any of his own equipment on railroad tracks except under an acceptable arrangement with the Railway Company. Such equipment and the operation of such equipment, or equipment rented from the Railway Company, shall be arranged for by the Contractor with the Railway and the cost for its use, including protection or railroad traffic, shall be borne by the Contractor.

The Contractor shall notify the following named individual for the Railway Company at least 30 days, or as directed by the authorized representative of the Railroad, in advance of starting any work which might require protection:

Indiana & Ohio Railway Company
Don Kuchey
497 Circle Freeway Drive, Suite 230
Cincinnati, OH 45246
Telephone: (513) 860-1000 ext 130

The Contractor shall notify the railroad at least 5 working days in advance of suspending or ceasing operations that require a flagger.

Railway company protective personnel assigned to the project will be responsible for notifying the Engineer upon arrival at the job site on the first working day that protective services begin and on the last day that he performs such services. This will be required for each separate period that such services are provided. The Engineer will document such notification in the project diary.

The Contractor will be responsible for protective services provided at his request and not utilized due, in the opinion of the Engineer, to a change in the Contractor's construction schedule or if it is determined by the Engineer that the requested services were not necessary. The actual costs for such protective services so assessed to the Contractor will be deducted from the Contract.

The decision of the Director of Transportation shall be final in the event of controversy as to the necessity for any protection services provided and not utilized by the Contractor as described in the preceding paragraph.

8. To pay the Railway Company or owning company for any changes, requested for his convenience, to railway company property, facilities, wire, fiber optic and/or pipe lines other than shown on the plans for the project.

9. If at any time the contractor desires a temporary crossing of the Railway Company's tracks, he shall make a request for a temporary crossing from the railroad. If approved, he shall arrange with the railroad company, execute its regular form of private grade crossing agreement covering the crossing desired, paying all construction, maintenance, removal, protection and other costs.

10. Methods and procedures for performing work on property of **Indiana & Ohio Railway Company** must be approved by:

Don Kuchey, Principal Engineer
497 Circle Freeway Drive, Suite 230
Cincinnati, Ohio 45246

(513) 860-1000 Ext. 130

Project Number: **080507**

To the Director of the Ohio Department of Transportation: The undersigned, having full knowledge of the site, plans and specifications for the following improvement and the conditions of this proposal, hereby agrees to furnish all services, labor, materials, and equipment necessary to complete the entire project, according to the plans, specifications and completion dates, and to accept the unit prices specified below for each item as full compensation for the work in this proposal.

Date Set for Completion: **8/31/2010**

Unit Price Contract

FOR IMPROVING SECTION CLI-73-8.34, STATE ROUTE 73, UNION TOWNSHIP, CLINTON COUNTY, OHIO, IN ACCORDANCE WITH PLANS AND SPECIFICATIONS BY GRADING, DRAINING, PAVING WITH ASPHALT CONCRETE (7 YEAR WARRANTY) IN PART, PAVING WITH PORTLAND CEMENT CONCRETE PAVEMENT IN PART AND BY CONSTRUCTING: BRIDGE NO. CLI-73-0905 L&R - A SINGLE SPAN PRECAST PRESTRESSED CONCRETE I-BEAMS WITH REINFORCED CONCRETE DECK ON SEMI-INTEGRAL STUB ABUTMENTS AND MSE WALLS (SPAN 67.50' C/C BEARINGS; ROADWAY 42' TOE TO TOE OF PARAPETS), S.R.73 OVER S.R.134; AND BRIDGE NO. CLI-73-0985 - A TWO SPAN PRECAST PRESTRESSED CONCRETE I-BEAMS WITH REINFORCED CONCRETE DECK ON SEMI-INTEGRAL STUB ABUTMENTS AND CAP AND COLUMN PIER WITH MSE WALLS (SPANS 90.79' - 90.79' C/C BEARINGS; ROADWAY 36' TOE TO TOE OF PARAPETS), PRAIRIE ROAD OVER S.R.73; AND BRIDGE NO. CLI-73-1158 L&R - A SINGLE SPAN PRECAST PRESTRESSED CONCRETE I-BEAMS WITH REINFORCED CONCRETE DECK ON SEMI-INTEGRAL STUB ABUTMENTS AND MSE WALLS (SPAN 91.50' C/C BEARINGS; ROADWAY 53.50' TOE TO TOE OF PARAPETS RIGHT BRIDGE AND 58.75' TOE TO TOE OF PARAPETS LEFT BRIDGE), S.R.73 OVER INDIANA & OHIO RAILROAD; AND BRIDGE NO. CLI-73-1188 L&R - A SINGLE SPAN PRECAST PRESTRESSED CONCRETE I-BEAMS WITH REINFORCED CONCRETE DECK ON SEMI-INTEGRAL STUB ABUTMENTS AND MSE WALLS (SPAN 117.58' C/C BEARINGS; ROADWAY 42' TOE TO TOE OF PARAPETS), S.R.73 OVER U.S.22.

Project Length: 3.65 Miles Work Length: 5.17 Miles Pavement Width: 2@24 Feet

A-309

Project Number: 080507

Section 0001 ROADWAY

Line	Alt	Item Code	Item Description	WT	Unit	Quantity
0001		201E11000	CLEARING AND GRUBBING (WT: 01)	01	LS	1.000
0002		202E23010	PAVEMENT REMOVED, ASPHALT (WT: NR)	NR	SY	7,250.000
0003		202E75000	FENCE REMOVED (WT: NR)	NR	FT	5,623.000
0004		202E98600	ABANDON MISC.:DRINKING WATER WELL (WT: NR)	NR	EACH	1.000
0005		203E10000	EXCAVATION (WT: 05)	05	CY	284,317.000
0006		203E20000	EMBANKMENT (WT: 05)	05	CY	1,646,061.000
0007		203E65000	SPECIAL - SETTLEMENT PLATFORM (WT: 05)	05	EACH	4.000
0008		204E10000	SUBGRADE COMPACTION (WT: 05)	05	SY	1,311.000
0009		204E30020	GRANULAR MATERIAL, TYPE C (WT: 05)	05	CY	726.000
0010		204E45000	PROOF ROLLING (WT: 05)	05	HOUR	70.000
0011		204E50000	GEOTEXTILE FABRIC (WT: NR)	NR	SY	1,090.000
0012		206E10500	CEMENT (WT: 07)	07	TON	7,993.000
0013		206E11000	CURING COAT (WT: 07)	07	SY	201,834.000
0014		206E15000	CEMENT STABILIZED SUBGRADE, 16" DEEP (WT: 07)	07	SY	201,834.000
0015		206E30000	CONTRACTOR DESIGNED CHEMICALLY STABILIZED SUBGRADE (WT: NR)	NR	LS	1.000
0016		604E40500	REFERENCE MONUMENT (WT: NR)	NR	EACH	28.000
0017		606E13000	GUARDRAIL, TYPE 5 (WT: 36)	36	FT	16,779.200
0018		606E22000	ANCHOR ASSEMBLY, TYPE B-98 (WT: 36)	36	EACH	13.000
0019		606E22010	ANCHOR ASSEMBLY, TYPE E-98 (WT: 36)	36	EACH	4.000
0020		606E26500	ANCHOR ASSEMBLY, TYPE T (WT: 36)	36	EACH	11.000
0021		606E35000	BRIDGE TERMINAL ASSEMBLY, TYPE 1 (WT: 36)	36	EACH	22.000
0022		607E15000	FENCE, TYPE 47 (WT: 37)	37	FT	39,739.000
0023		690E11000	SPECIAL - PROVIDING ELECTRONIC INSTRUMENTATION (WT: NR)	NR	EACH	1.000
0024		690E11100	SPECIAL - TECHNICAL ASSISTANCE (WT: NR)	NR	HOUR	16.000
0025		690E50100	SPECIAL - MAILBOX SUPPORT SYSTEM, SINGLE (WT: NR)	NR	EACH	19.000
0026		690E98400	SPECIAL - MISC.:CONSULTANT FOR CONCRETE QUALITY CONTROL INCLUDING FIELD TESTING AND INSPECTION (WT: NR)	NR	LS	1.000
0027		878E25000	INSPECTION AND COMPACTION TESTING OF UNBOUND MATERIALS (WT: NR)	NR	LS	1.000

Section 0002 EROSION CONTROL

Line	Alt	Item Code	Item Description	WT	Unit	Quantity
0028		601E11000	RIPRAP USING 6" REINFORCED CONCRETE SLAB (WT: 38)	38	SY	94.000

***** YOU MUST SUBMIT AN ELECTRONIC BIDDING SYSTEM (EBS) BID FOR THIS PROJECT - DO NOT WRITE ON THESE PAGES**

0029		601E21050	TIED CONCRETE BLOCK MAT, TYPE 1 (WT: 35)	35	SY	177.000
0030		601E32004	ROCK CHANNEL PROTECTION, TYPE A WITH FABRIC FILTER (WT: 35)	35	CY	197.000
0031		601E32104	ROCK CHANNEL PROTECTION, TYPE B WITH FABRIC FILTER (WT: 35)	35	CY	123.000
0032		601E32204	ROCK CHANNEL PROTECTION, TYPE C WITH FABRIC FILTER (WT: 35)	35	CY	79.000
0033		601E32305	ROCK CHANNEL PROTECTION, TYPE D WITH FABRIC FILTER, AS PER PLAN (WT: 35)	35	CY	1,748.000
0034		659E00100	SOIL ANALYSIS TEST (WT: 46)	46	EACH	10.000
0035		659E10000	SEEDING AND MULCHING (WT: 46)	46	SY	471,085.000
0036		659E15000	INTER-SEEDING (WT: 46)	46	SY	23,554.000
0037		659E20000	COMMERCIAL FERTILIZER (WT: 46)	46	TON	65.690
0038		659E31000	LIME (WT: 46)	46	ACRE	96.930
0039		659E35000	WATER (WT: 46)	46	MGAL	2,607.000
0040		660E20000	SODDING REINFORCED (WT: 46)	46	SY	1,644.000
0041		670E00700	DITCH EROSION PROTECTION (WT: 46)	46	SY	4,230.000
0042		832E15000	STORM WATER POLLUTION PREVENTION PLAN (WT: NR)	NR	LS	1.000
0043		832E30000	EROSION CONTROL (WT: 08)	08	EACH	360,000.000
0044		836E10000	SEEDING AND EROSION CONTROL WITH TURF REINFORCING MAT, TYPE 1 (WT: 46)	46	SY	1,091.000

Section 0003 DRAINAGE

Line	Alt	Item Code	Item Description	WT	Unit	Quantity
0045		602E20000	CONCRETE MASONRY (WT: 35)	35	CY	91.800
0046		603E00400	4" CONDUIT, TYPE E (WT: 35)	35	FT	6,345.000
0047		603E00510	6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS (WT: 35)	35	FT	6,306.000
0048		603E00900	6" CONDUIT, TYPE B (WT: 35)	35	FT	1,361.000
0049		603E01400	6" CONDUIT, TYPE E (WT: 35)	35	FT	6,206.000
0050		603E01500	6" CONDUIT, TYPE F (WT: 35)	35	FT	774.000
0051		603E01800	8" CONDUIT, TYPE B (WT: 35)	35	FT	1,106.000
0052		603E02500	8" CONDUIT, TYPE E (WT: 35)	35	FT	88.000
0053		603E03100	10" CONDUIT, TYPE B (WT: 35)	35	FT	1,096.000
0054		603E03600	10" CONDUIT, TYPE E (WT: 35)	35	FT	45.000
0055		603E04400	12" CONDUIT, TYPE B (WT: 35)	35	FT	344.000
0056		603E04900	12" CONDUIT, TYPE D, 706.02 (WT: 35)	35	FT	194.000
0057		603E05900	15" CONDUIT, TYPE B (WT: 35)	35	FT	3,338.000
0058		603E06700	15" CONDUIT, TYPE F, 707.05, TYPE C (WT: 35)	35	FT	896.000
0059		603E07200	18" CONDUIT, TYPE A, 706.02 (WT: 35)	35	FT	69.000

0060		603E07400	18" CONDUIT, TYPE B (WT: 35)	35	FT	93.000
0061		603E10200	24" CONDUIT, TYPE A, 706.02 OR 30" 707.01 (0.138), 707.01 (0.079 AL COATED), 707.04, 707.21 (WT: 35)	35	FT	102.000
0062		603E13200	30" CONDUIT, TYPE A, 706.02 OR 36" 707.01, 707.21 (.075) (WT: 35)	35	FT	145.000
0063		603E16200	36" CONDUIT, TYPE A, 706.02 (1500 D-LOAD) OR 42" 707.02 (0.138), 707.02(0.079 AL COATED),707.04, 707.22 (WT: 35)	35	FT	216.000
0064		603E16200	36" CONDUIT, TYPE A, 706.02 (2000 D-LOAD) OR 42" 707.02 (0.138),707.02 (0.079 AL COATED),707.04 , 707.22 (WT: 35)	35	FT	252.000
0065		603E16200	36" CONDUIT, TYPE A, 706.02 (2250 D-LOAD) OR 48" 707.02 (0.138),707.02 (0.079 AL COATED),707.04, 707.22 (WT: 35)	35	FT	283.000
0066		603E16200	36" CONDUIT, TYPE A,706.02 OR 54" 707.02(0.138), 707.02 (0.079 AL COATED), 707.04, 707.22 (WT: 35)	35	FT	163.000
0067		603E19200	42" CONDUIT, TYPE A, 706.02 (2750 D-LOAD) OR 42" 707.02 (0.138),707.02(0.079 AL COATED), 707.04, 707.22 (WT: 35)	35	FT	313.000
0068		603E20700	48" CONDUIT, TYPE A, 706.02 (WT: 35)	35	FT	192.000
0069		603E20700	48" CONDUIT, TYPE A, 706.02 OR 54" 707.01 (0.138), 707.01 (0.079 AL COATED), 707.04, 707.21 (WT: 35)	35	FT	208.000
0070		603E20700	48" CONDUIT, TYPE A, 706.02 OR 60" 707.02 (0.138), 707.02 (0.079 AL COATED), 707.04, 707.22 (WT: 35)	35	FT	332.000
0071		603E22200	54" CONDUIT, TYPE A, 706.02 OR 78" 707.02 (0.138), 707.02 (0.079 AL COATED), 707.04, 707.22 (WT: 35)	35	FT	135.000
0072		603E23600	60" CONDUIT, TYPE A, 706.02 (1250 D-LOAD) OR 66" 707.02 (0.138), 707.02 (0.079 AL COATED),707.04 , 707.22 (WT: 35)	35	FT	234.000
0073		603E38000	144" CONDUIT, TYPE A, 706.02 (WT: 35)	35	FT	240.000
0074		603E52500	24" X 38" CONDUIT, TYPE A, 706.04 (WT: 35)	35	FT	184.000
0075		603E52700	29" X 45" CONDUIT, TYPE A, 706.04 (WT: 35)	35	FT	192.000
0076		603E53200	48" X 76" CONDUIT, TYPE A, 706.04 (WT: 35)	35	FT	194.000
0077		603E53214	48" X 76" CONDUIT, TYPE D, 706.04 (WT: 35)	35	FT	57.000
0078		603E53800	77" X 121" CONDUIT, TYPE A, 706.04 (WT: 35)	35	FT	305.000
0079		604E01200	CATCH BASIN, NO. 4 (WT: 35)	35	EACH	39.000
0080		604E36600	PRECAST REINFORCED CONCRETE OUTLET (WT: 35)	35	EACH	98.000
0081		605E11100	6" SHALLOW PIPE UNDERDRAINS (WT: 35)	35	FT	85,866.000
0082		605E13300	6" UNCLASSIFIED PIPE UNDERDRAINS (WT: 35)	35	FT	1,127.000
0083		605E14000	6" BASE PIPE UNDERDRAINS (WT: 35)	35	FT	37,539.000
0084		690E98000	SPECIAL - MISC.:AIR WELL (WT: NR)	NR	EACH	21.000
0085		690E98000	SPECIAL - MISC.:FARM DRAINS CAPPED (WT: NR)	NR	EACH	67.000
0086		690E98100	SPECIAL - MISC.:FARM DRAIN EXPLORATION (WT: NR)	NR	FT	6,677.000

Section 0004 PAVEMENT

Line	Alt	Item Code	Item Description	WT	Unit	Quantity
0087		301E46000	ASPHALT CONCRETE BASE, PG64-22 (WT: 10)	10	CY	1,856.000
0088		304E20000	AGGREGATE BASE (WT: 09)	09	CY	32,753.000
0089		407E14000	TACK COAT FOR INTERMEDIATE COURSE (WT: 10)	10	GAL	372.000
0090		408E10000	PRIME COAT (WT: 10)	10	GAL	73,219.000
0091		448E46020	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 1, PG64-22 (WT: 10)	10	CY	47.000
0092		448E46040	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, PG64-28 (WT: 10)	10	CY	398.000
0093		448E48020	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG64-22 (DRIVEWAYS) (WT: 10)	10	CY	47.000
0094		448E50000	ASPHALT CONCRETE SURFACE COURSE, TYPE 1H (WT: 10)	10	CY	367.000
0095		609E24510	CURB, TYPE 4-C (WT: 38)	38	FT	624.000
0096		618E40100	RUMBLE STRIPS, (ASPHALT CONCRETE) (WT: NR)	NR	FT	75,429.000
0097		880E15000	ASPHALT CONCRETE (7 YEAR WARRANTY) (WT: 10)	10	CY	53,787.000
0098		888E14000	PORTLAND CEMENT CONCRETE PAVEMENT, 10" THICK (NON-REINFORCED PER 452) (WT: 12)	12	SY	11,092.000

Section 0005 LIGHTING

Line	Alt	Item Code	Item Description	WT	Unit	Quantity
0099		625E00500	CONNECTOR KIT, TYPE II (WT: 43)	43	EACH	36.000
0100		625E01500	CABLE SPLICING KIT (WT: 43)	43	EACH	9.000
0101		625E10490	LIGHT POLE, CONVENTIONAL, DESIGN AT18B41.7 (WT: 43)	43	EACH	18.000
0102		625E14100	LIGHT POLE FOUNDATION, 24" X 8' DEEP (WT: 43)	43	EACH	18.000
0103		625E23200	NO. 4 AWG 5000 VOLT DISTRIBUTION CABLE (WT: 43)	43	FT	295.000
0104		625E23400	NO. 10 AWG POLE AND BRACKET CABLE (WT: 43)	43	FT	3,348.000
0105		625E24320	1-1/2" DUCT CABLE WITH THREE NO. 4 AWG 5000 VOLT CABLES (WT: 43)	43	FT	7,454.000
0106		625E25500	CONDUIT, 3", 725.04 (WT: 43)	43	FT	130.000
0107		625E26250	LUMINAIRE, CONVENTIONAL, 200 WATT H.P.S., 240 VOLT (WT: 43)	43	EACH	18.000
0108		625E29002	TRENCH, 24" DEEP (WT: 43)	43	FT	7,296.000
0109		625E30700	PULL BOX, 725.08, 18" (WT: 43)	43	EACH	9.000
0110		625E32000	GROUND ROD (WT: 43)	43	EACH	18.000
0111		625E34000	POWER SERVICE (WT: 43)	43	EACH	2.000
0112		625E34011	POWER SERVICE REFURBISHED, AS PER PLAN (WT: 43)	43	EACH	2.000

Section 0006 TRAFFIC CONTROL

Line	Alt	Item Code	Item Description	WT	Unit	Quantity
0113		620E00500	DELINEATOR, POST MOUNTED (WT: NR)	NR	EACH	28.000
0114		621E00100	RPM (WT: 41)	41	EACH	491.000
0115		621E54000	RAISED PAVEMENT MARKER REMOVED (WT: NR)	NR	EACH	10.000
0116		626E00100	BARRIER REFLECTOR (WT: NR)	NR	EACH	244.000
0117		630E02100	GROUND MOUNTED SUPPORT, NO. 2 POST (WT: 42)	42	FT	393.000
0118		630E03100	GROUND MOUNTED SUPPORT, NO. 3 POST (WT: 42)	42	FT	318.000
0119		630E06400	GROUND MOUNTED SUPPORT, S4X7.7 BEAM (WT: 42)	42	FT	71.000
0120		630E07000	GROUND MOUNTED SUPPORT, W8X18 BEAM (WT: 42)	42	FT	42.000
0121		630E07500	GROUND MOUNTED SUPPORT, W10X22 BEAM (WT: 42)	42	FT	109.000
0122		630E07600	GROUND MOUNTED SUPPORT, W10X12 BEAM (WT: 42)	42	FT	38.000
0123		630E08000	GROUND MOUNTED SUPPORT, W12X30 BEAM (WT: 42)	42	FT	243.000
0124		630E08004	ONE WAY SUPPORT, NO. 3 POST (WT: 42)	42	FT	59.000
0125		630E08600	SIGN POST REFLECTOR (WT: 42)	42	EACH	12.000
0126		630E09000	BREAKAWAY BEAM CONNECTION (WT: 42)	42	EACH	20.000
0127		630E77000	OVERPASS STRUCTURE MOUNTED SIGN SUPPORT, TYPE TC-18.24 (WT: 42)	42	EACH	2.000
0128		630E80100	SIGN, FLAT SHEET (WT: 42)	42	SF	406.000
0129		630E80200	SIGN, GROUND MOUNTED EXTRUSHEET (WT: 42)	42	SF	1,136.000
0130		630E80224	SIGN, OVERHEAD EXTRUSHEET (WT: 42)	42	SF	40.000
0131		630E84500	GROUND MOUNTED BEAM SUPPORT FOUNDATION (WT: 42)	42	EACH	20.000
0132		630E84900	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL (WT: NR)	NR	EACH	5.000
0133		630E85100	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION (WT: NR)	NR	EACH	5.000
0134		630E86002	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL (WT: NR)	NR	EACH	9.000
0135		644E00100	EDGE LINE (WT: 45)	45	MILE	15.700
0136		644E00200	LANE LINE (WT: 45)	45	MILE	7.480
0137		644E00300	CENTER LINE (WT: 45)	45	MILE	0.480
0138		644E00400	CHANNELIZING LINE (WT: 45)	45	FT	1,991.000
0139		644E00500	STOP LINE (WT: 45)	45	FT	80.000
0140		644E30000	REMOVAL OF PAVEMENT MARKING (WT: 45)	45	FT	487.000
0141		645E00110	EDGE LINE, TYPE A3 (WT: 45)	45	MILE	1.450
0142		645E00410	CHANNELIZING LINE, TYPE A3 (WT: 45)	45	FT	697.000
0143		645E01310	LANE ARROW, TYPE A3 (WT: 45)	45	EACH	12.000

Section 0007 TRAFFIC SIGNALS

Line	Alt	Item Code	Item Description	WT	Unit	Quantity
0144		625E25500	CONDUIT, 3", 725.04 (WT: 43)	43	FT	230.000
0145		625E29002	TRENCH, 24" DEEP (WT: 43)	43	FT	230.000
0146		625E30700	PULL BOX, 725.08, 18" (WT: 43)	43	EACH	2.000
0147		625E32000	GROUND ROD (WT: 43)	43	EACH	5.000
0148		632E05001	VEHICULAR SIGNAL HEAD, (LED), 3-SECTION, 12" LENS, 1-WAY, AS PER PLAN (WT: 44)	44	EACH	6.000
0149		632E25000	COVERING OF VEHICULAR SIGNAL HEAD (WT: 44)	44	EACH	6.000
0150		632E26500	DETECTOR LOOP (WT: 44)	44	EACH	3.000
0151		632E30200	MESSENGER WIRE, 7 STRAND, 3/8" DIAMETER WITH ACCESSORIES (WT: 44)	44	FT	235.000
0152		632E40700	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG (WT: 44)	44	FT	570.000
0153		632E65200	LOOP DETECTOR LEAD-IN CABLE (WT: 44)	44	FT	350.000
0154		632E68300	POWER CABLE, 3 CONDUCTOR, NO. 6 AWG (WT: 44)	44	FT	40.000
0155		632E70600	CONDUIT RISER, 3" DIAMETER (WT: 44)	44	EACH	1.000
0156		632E89300	WOOD POLE (WT: 44)	44	EACH	4.000
0157		632E89400	DOWN GUY (WT: 44)	44	EACH	4.000
0158		633E01601	CONTROLLER UNIT, TYPE 170E, WITH CABINET, TYPE 332, AS PER PLAN (WT: 44)	44	EACH	1.000

Section 0008 BUILDING DEMOLITION

Line	Alt	Item Code	Item Description	WT	Unit	Quantity
0159		202E56000	BUILDING DEMOLISHED, ODOT PARCEL NO. 46T, 1 STORY FRAME HOUSE (WT: 02)	02	LS	1.000
0160		202E56000	BUILDING DEMOLISHED, ODOT PARCEL NO. 46T, BARN (WT: 02)	02	LS	1.000
0161		202E56000	BUILDING DEMOLISHED, ODOT PARCEL NO. 58WL1, BARN (WT: 02)	02	LS	1.000
0162		202E56000	BUILDING DEMOLISHED, ODOT PARCEL NO. 59T, 1 STORY FRAME/ BRICK HOUSE (WT: 02)	02	LS	1.000
0163		202E56000	BUILDING DEMOLISHED, ODOT PARCEL NO. 79 WL, GARAGE (WT: 02)	02	LS	1.000

Section 0009 MAINTENANCE OF TRAFFIC

Line	Alt	Item Code	Item Description	WT	Unit	Quantity
0164		410E14001	TRAFFIC COMPACTED SURFACE, AS PER PLAN (WT: 39)	39	CY	5,000.000
0165		614E11100	LAW ENFORCEMENT OFFICER WITH PATROL CAR (WT: 39)	39	HOUR	80.000
0166		614E12338	WORK ZONE IMPACT ATTENUATOR (BIDIRECTIONAL) (WT: 39)	39	EACH	8.000

0167		614E12420	DETOUR SIGNING (WT: 39)	39	LS	1.000
0168		614E13000	ASPHALT CONCRETE FOR MAINTAINING TRAFFIC (WT: 39)	39	CY	200.000
0169		614E13300	BARRIER REFLECTOR, TYPE B (WT: NR)	NR	EACH	45.000
0170		614E13350	OBJECT MARKER, ONE WAY (WT: NR)	NR	EACH	45.000
0171		614E18002	MAINTAINING TRAFFIC, MISC.:EXPRESSWAY CLOSURE (WT: 39)	39	LS	1.000
0172		614E18601	PORTABLE CHANGEABLE MESSAGE SIGN, AS PER PLAN (WT: 39)	39	SNMT	4.000
0173		615E10000	ROADS FOR MAINTAINING TRAFFIC (WT: 06)	06	LS	1.000
0174		615E20000	PAVEMENT FOR MAINTAINING TRAFFIC, CLASS A (WT: 10)	10	SY	1,150.000
0175		616E10000	WATER (WT: NR)	NR	MGAL	50.000
0176		622E40020	PORTABLE CONCRETE BARRIER, 32" (WT: 39)	39	FT	2,200.000

Section 0010 STRUCTURE OVER 20 FOOT SPAN BRIDGE NO. CLI-73-0905 L

Line	Alt	Item Code	Item Description	WT	Unit	Quantity
0177		203E35110	GRANULAR MATERIAL, TYPE B (WT: 21)	21	CY	648.000
0178		203E65000	SPECIAL - SETTLEMENT PLATFORM (WT: 21)	21	EACH	2.000
0179		505E11100	PILE DRIVING EQUIPMENT MOBILIZATION (WT: 53)	53	LS	1.000
0180		507E00100	STEEL PILES HP10X42, FURNISHED (WT: 53)	53	FT	3,300.000
0181		507E00150	STEEL PILES HP10X42, DRIVEN (WT: 53)	53	FT	3,080.000
0182		509E10000	EPOXY COATED REINFORCING STEEL (WT: 23)	23	LB	44,062.000
0183		512E10100	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE) (WT: NR)	NR	SY	634.000
0184		512E10100	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)(MSE WALL) (WT: NR)	NR	SY	305.000
0185		512E33000	TYPE 2 WATERPROOFING (WT: 40)	40	SY	3.000
0186		515E15010	DRAPED STRAND PRESTRESSED CONCRETE BRIDGE I-BEAM MEMBERS, LEVEL 3, TYPE 3 (WT: 21)	21	EACH	6.000
0187		515E20000	INTERMEDIATE DIAPHRAMS (WT: 21)	21	EACH	5.000
0188		516E13600	1" PREFORMED EXPANSION JOINT FILLER (WT: 21)	21	SF	18.000
0189		516E13900	2" PREFORMED EXPANSION JOINT FILLER (WT: 21)	21	SF	74.000
0190		516E14021	SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL, AS PER PLAN (WT: 21)	21	FT	91.000
0191		516E44301	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN, (22"X14"X4-5/16") (WT: 21)	21	EACH	12.000
0192		518E21200	POROUS BACKFILL WITH FILTER FABRIC (WT: 21)	21	CY	126.000
0193		518E40000	6" PERFORATED CORRUGATED PLASTIC PIPE (WT: 21)	21	FT	165.000
0194		518E40011	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS, AS PER PLAN (WT: 21)	21	FT	15.000
0195		840E20000	MECHANICALLY STABILIZED EARTH WALL (WT: 34)	34	SF	2,713.000
0196		840E21000	WALL EXCAVATION (WT: 34)	34	CY	875.000

0197		840E22000	FOUNDATION PREPARATION (WT: 34)	34	SY	412.000
0198		840E23000	SELECT GRANULAR BACKFILL (WT: 34)	34	CY	3,550.000
0199		840E23050	NATURAL SOIL (WT: 34)	34	CY	373.000
0200		840E24000	POROUS BACKFILL WITH FILTER FABRIC (WT: 34)	34	CY	13.000
0201		840E25010	6" DRAINAGE PIPE, PERFORATED (WT: 34)	34	FT	428.000
0202		840E25020	6" DRAINAGE PIPE, NON-PERFORATED (WT: 34)	34	FT	74.000
0203		840E26000	CONCRETE COPING (WT: 34)	34	FT	218.000
0204		840E26050	AESTHETIC SURFACE TREATMENT (WT: 34)	34	SF	2,315.000
0205		840E27000	ON-SITE ASSISTANCE (WT: 34)	34	DAY	2.000
0206		892E10201	QC/QA CONCRETE, CLASS QSC2, SUPERSTRUCTURE (DECK) WITH WARRANTY, AS PER PLAN (WT: 21)	21	CY	96.000
0207		898E10709	QC/QA CONCRETE, CLASS QSC2, SUPERSTRUCTURE (APPROACH SLAB), (T=17"), AS PER PLAN (WT: 20)	20	SY	300.000
0208		898E11001	QC/QA CONCRETE, CLASS QSC2, SUPERSTRUCTURE (PARAPET), AS PER PLAN (WT: 21)	21	CY	63.000
0209		898E11100	QC/QA CONCRETE, CLASS QSC2, SUPERSTRUCTURE(ABUTMENT DIAPHRAGM) (WT: 21)	21	CY	50.000
0210		898E20000	QC/QA CONCRETE, CLASS QSC1, SUBSTRUCTURE (WT: 21)	21	CY	163.000

Section 0011 BRIDGE NO. CLI-73-0905 R

Line	Alt	Item Code	Item Description	WT	Unit	Quantity
0211		203E35110	GRANULAR MATERIAL, TYPE B (WT: 21)	21	CY	647.000
0212		203E65000	SPECIAL - SETTLEMENT PLATFORM (WT: 21)	21	EACH	2.000
0213		505E11100	PILE DRIVING EQUIPMENT MOBILIZATION (WT: 53)	53	LS	1.000
0214		507E00100	STEEL PILES HP10X42, FURNISHED (WT: 53)	53	FT	3,300.000
0215		507E00150	STEEL PILES HP10X42, DRIVEN (WT: 53)	53	FT	3,080.000
0216		509E10000	EPOXY COATED REINFORCING STEEL (WT: 23)	23	LB	44,062.000
0217		512E10100	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE) (WT: NR)	NR	SY	634.000
0218		512E10100	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)(MSE WALL) (WT: NR)	NR	SY	305.000
0219		512E33000	TYPE 2 WATERPROOFING (WT: 40)	40	SY	3.000
0220		515E15010	DRAPED STRAND PRESTRESSED CONCRETE BRIDGE I-BEAM MEMBERS, LEVEL 3, TYPE 3 (WT: 21)	21	EACH	6.000
0221		515E20000	INTERMEDIATE DIAPHRAMS (WT: 21)	21	EACH	5.000
0222		516E13600	1" PREFORMED EXPANSION JOINT FILLER (WT: 21)	21	SF	18.000
0223		516E13900	2" PREFORMED EXPANSION JOINT FILLER (WT: 21)	21	SF	74.000
0224		516E14021	SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL, AS PER PLAN (WT: 21)	21	FT	91.000

0225		516E44301	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN, (22"X14"X4-5/16") (WT: 21)	21	EACH	12.000
0226		518E21200	POROUS BACKFILL WITH FILTER FABRIC (WT: 21)	21	CY	126.000
0227		518E40000	6" PERFORATED CORRUGATED PLASTIC PIPE (WT: 21)	21	FT	165.000
0228		518E40011	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS, AS PER PLAN (WT: 21)	21	FT	14.000
0229		840E20000	MECHANICALLY STABILIZED EARTH WALL (WT: 34)	34	SF	2,666.000
0230		840E21000	WALL EXCAVATION (WT: 34)	34	CY	875.000
0231		840E22000	FOUNDATION PREPARATION (WT: 34)	34	SY	412.000
0232		840E23000	SELECT GRANULAR BACKFILL (WT: 34)	34	CY	3,550.000
0233		840E23050	NATURAL SOIL (WT: 34)	34	CY	369.000
0234		840E24000	POROUS BACKFILL WITH FILTER FABRIC (WT: 34)	34	CY	13.000
0235		840E25010	6" DRAINAGE PIPE, PERFORATED (WT: 34)	34	FT	428.000
0236		840E25020	6" DRAINAGE PIPE, NON-PERFORATED (WT: 34)	34	FT	70.000
0237		840E26000	CONCRETE COPING (WT: 34)	34	FT	190.000
0238		840E26050	AESTHETIC SURFACE TREATMENT (WT: 34)	34	SF	2,315.000
0239		840E27000	ON-SITE ASSISTANCE (WT: 34)	34	DAY	2.000
0240		892E10201	QC/QA CONCRETE, CLASS QSC2, SUPERSTRUCTURE (DECK) WITH WARRANTY, AS PER PLAN (WT: 21)	21	CY	96.000
0241		898E10709	QC/QA CONCRETE, CLASS QSC2, SUPERSTRUCTURE (APPROACH SLAB), (T=17"), AS PER PLAN (WT: 20)	20	SY	300.000
0242		898E11001	QC/QA CONCRETE, CLASS QSC2, SUPERSTRUCTURE (PARAPET), AS PER PLAN (WT: 21)	21	CY	63.000
0243		898E11100	QC/QA CONCRETE, CLASS QSC2, SUPERSTRUCTURE(ABUTMENT DIAPHRAGM) (WT: 21)	21	CY	50.000
0244		898E20000	QC/QA CONCRETE, CLASS QSC1, SUBSTRUCTURE (WT: 21)	21	CY	164.000

Section 0012 BRIDGE NO. CLI-73-0985

Line	Alt	Item Code	Item Description	WT	Unit	Quantity
0245		203E35110	GRANULAR MATERIAL, TYPE B (WT: 21)	21	CY	1,479.000
0246		203E65000	SPECIAL - SETTLEMENT PLATFORM (WT: 21)	21	EACH	2.000
0247		505E11100	PILE DRIVING EQUIPMENT MOBILIZATION (WT: 53)	53	LS	1.000
0248		507E00100	STEEL PILES HP10X42, FURNISHED (WT: 53)	53	FT	2,520.000
0249		507E00150	STEEL PILES HP10X42, DRIVEN (WT: 53)	53	FT	2,200.000
0250		509E10000	EPOXY COATED REINFORCING STEEL (WT: 23)	23	LB	101,978.000
0251		512E10100	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE) (WT: NR)	NR	SY	1,263.000

0252		512E10100	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)(MSE WALL) (WT: NR)	NR	SY	349.000
0253		515E15020	DRAPED STRAND PRESTRESSED CONCRETE BRIDGE I-BEAM MEMBERS, LEVEL 3, TYPE 4 (WT: 21)	21	EACH	10.000
0254		515E20000	INTERMEDIATE DIAPHRAMS (WT: 21)	21	EACH	24.000
0255		516E13600	1" PREFORMED EXPANSION JOINT FILLER (WT: 21)	21	SF	12.000
0256		516E13900	2" PREFORMED EXPANSION JOINT FILLER (WT: 21)	21	SF	66.000
0257		516E14021	SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL, AS PER PLAN (WT: 21)	21	FT	117.000
0258		516E44201	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN, (22"X11"X3-1/4") (WT: 21)	21	EACH	10.000
0259		516E44201	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN, (22"X12"X3-7/16") (WT: 21)	21	EACH	10.000
0260		518E21200	POROUS BACKFILL WITH FILTER FABRIC (WT: 21)	21	CY	114.000
0261		518E40000	6" PERFORATED CORRUGATED PLASTIC PIPE (WT: 21)	21	FT	151.000
0262		518E40011	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS, AS PER PLAN (WT: 21)	21	FT	21.000
0263		840E20000	MECHANICALLY STABILIZED EARTH WALL (WT: 34)	34	SF	3,002.000
0264		840E21000	WALL EXCAVATION (WT: 34)	34	CY	1,672.000
0265		840E22000	FOUNDATION PREPARATION (WT: 34)	34	SY	565.000
0266		840E23000	SELECT GRANULAR BACKFILL (WT: 34)	34	CY	3,932.000
0267		840E23050	NATURAL SOIL (WT: 34)	34	CY	120.000
0268		840E24000	POROUS BACKFILL WITH FILTER FABRIC (WT: 34)	34	CY	16.000
0269		840E25010	6" DRAINAGE PIPE, PERFORATED (WT: 34)	34	FT	508.000
0270		840E25020	6" DRAINAGE PIPE, NON-PERFORATED (WT: 34)	34	FT	132.000
0271		840E26000	CONCRETE COPING (WT: 34)	34	FT	267.000
0272		840E26050	AESTHETIC SURFACE TREATMENT (WT: 34)	34	SF	2,595.000
0273		840E27000	ON-SITE ASSISTANCE (WT: 34)	34	DAY	5.000
0274		898E10201	QC/QA CONCRETE, CLASS QSC2, SUPERSTRUCTURE (DECK), AS PER PLAN (WT: 21)	21	CY	207.000
0275		898E10709	QC/QA CONCRETE, CLASS QSC2, SUPERSTRUCTURE (APPROACH SLAB), (T=17"), AS PER PLAN (WT: 20)	20	SY	142.000
0276		898E11001	QC/QA CONCRETE, CLASS QSC2, SUPERSTRUCTURE (PARAPET), AS PER PLAN (WT: 21)	21	CY	60.000
0277		898E11100	QC/QA CONCRETE, CLASS QSC2, SUPERSTRUCTURE(ABUTMENT AND PIER DIAPHRAGM) (WT: 21)	21	CY	47.000
0278		898E20000	QC/QA CONCRETE, CLASS QSC1, SUBSTRUCTURE (WT: 21)	21	CY	216.000

Section 0013 BRIDGE NO. CLI-73-1158 L

Line	Alt	Item Code	Item Description	WT	Unit	Quantity
0279		203E35110	GRANULAR MATERIAL, TYPE B (WT: 21)	21	CY	3,107.000
0280		203E65000	SPECIAL - SETTLEMENT PLATFORM (WT: 21)	21	EACH	2.000
0281		505E11100	PILE DRIVING EQUIPMENT MOBILIZATION (WT: 53)	53	LS	1.000
0282		507E00100	STEEL PILES HP10X42, FURNISHED (WT: 53)	53	FT	4,680.000
0283		507E00150	STEEL PILES HP10X42, DRIVEN (WT: 53)	53	FT	4,320.000
0284		509E10000	EPOXY COATED REINFORCING STEEL (WT: 23)	23	LB	64,038.000
0285		512E10100	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE) (WT: NR)	NR	SY	1,022.000
0286		512E10100	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)(MSE WALL) (WT: NR)	NR	SY	771.000
0287		512E33000	TYPE 2 WATERPROOFING (WT: 40)	40	SY	4.000
0288		515E15020	DRAPED STRAND PRESTRESSED CONCRETE BRIDGE I-BEAM MEMBERS, LEVEL 3, TYPE 4 (WT: 21)	21	EACH	8.000
0289		515E20000	INTERMEDIATE DIAPHRAMS (WT: 21)	21	EACH	21.000
0290		516E13600	1" PREFORMED EXPANSION JOINT FILLER (WT: 21)	21	SF	18.000
0291		516E13900	2" PREFORMED EXPANSION JOINT FILLER (WT: 21)	21	SF	87.000
0292		516E14021	SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL, AS PER PLAN (WT: 21)	21	FT	132.000
0293		516E44201	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN, (22"X12"X3-5/8") (WT: 21)	21	EACH	16.000
0294		518E21200	POROUS BACKFILL WITH FILTER FABRIC (WT: 21)	21	CY	322.000
0295		518E40000	6" PERFORATED CORRUGATED PLASTIC PIPE (WT: 21)	21	FT	243.000
0296		518E40011	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS, AS PER PLAN (WT: 21)	21	FT	17.000
0297		840E20000	MECHANICALLY STABILIZED EARTH WALL (WT: 34)	34	SF	7,281.000
0298		840E21000	WALL EXCAVATION (WT: 34)	34	CY	2,479.000
0299		840E22000	FOUNDATION PREPARATION (WT: 34)	34	SY	970.000
0300		840E23000	SELECT GRANULAR BACKFILL (WT: 34)	34	CY	11,824.000
0301		840E23050	NATURAL SOIL (WT: 34)	34	CY	1,218.000
0302		840E24000	POROUS BACKFILL WITH FILTER FABRIC (WT: 34)	34	CY	18.000
0303		840E25010	6" DRAINAGE PIPE, PERFORATED (WT: 34)	34	FT	688.000
0304		840E25020	6" DRAINAGE PIPE, NON-PERFORATED (WT: 34)	34	FT	72.000
0305		840E26000	CONCRETE COPING (WT: 34)	34	FT	348.000
0306		840E26050	AESTHETIC SURFACE TREATMENT (WT: 34)	34	SF	6,093.000
0307		840E27000	ON-SITE ASSISTANCE (WT: 34)	34	DAY	2.000

0308		892E10201	QC/QA CONCRETE, CLASS QSC2, SUPERSTRUCTURE (DECK) WITH WARRANTY, AS PER PLAN (WT: 21)	21	CY	173.000
0309		898E10709	QC/QA CONCRETE, CLASS QSC2, SUPERSTRUCTURE (APPROACH SLAB), (T=17"), AS PER PLAN (WT: 20)	20	SY	195.000
0310		898E11001	QC/QA CONCRETE, CLASS QSC2, SUPERSTRUCTURE (PARAPET), AS PER PLAN (WT: 21)	21	CY	79.000
0311		898E11100	QC/QA CONCRETE, CLASS QSC2, SUPERSTRUCTURE(ABUTMENT DIAPHRAGM) (WT: 21)	21	CY	85.000
0312		898E20000	QC/QA CONCRETE, CLASS QSC1, SUBSTRUCTURE (WT: 21)	21	CY	357.000

Section 0014 BRIDGE NO. CLI-73-1158 R

Line	Alt	Item Code	Item Description	WT	Unit	Quantity
0313		203E35110	GRANULAR MATERIAL, TYPE B (WT: 21)	21	CY	2,966.000
0314		203E65000	SPECIAL - SETTLEMENT PLATFORM (WT: 21)	21	EACH	2.000
0315		505E11100	PILE DRIVING EQUIPMENT MOBILIZATION (WT: 53)	53	LS	1.000
0316		507E00100	STEEL PILES HP10X42, FURNISHED (WT: 53)	53	FT	3,900.000
0317		507E00150	STEEL PILES HP10X42, DRIVEN (WT: 53)	53	FT	3,600.000
0318		509E10000	EPOXY COATED REINFORCING STEEL (WT: 23)	23	LB	57,232.000
0319		512E10100	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE) (WT: NR)	NR	SY	899.000
0320		512E10100	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)(MSE WALL) (WT: NR)	NR	SY	654.000
0321		512E33000	TYPE 2 WATERPROOFING (WT: 40)	40	SY	4.000
0322		515E15020	DRAPED STRAND PRESTRESSED CONCRETE BRIDGE I-BEAM MEMBERS, LEVEL 3, TYPE 4 (WT: 21)	21	EACH	7.000
0323		515E20000	INTERMEDIATE DIAPHRAMS (WT: 21)	21	EACH	18.000
0324		516E13600	1" PREFORMED EXPANSION JOINT FILLER (WT: 21)	21	SF	18.000
0325		516E13900	2" PREFORMED EXPANSION JOINT FILLER (WT: 21)	21	SF	74.000
0326		516E14021	SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL, AS PER PLAN (WT: 21)	21	FT	121.000
0327		516E44201	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN, (22"X12"X3-5/8") (WT: 21)	21	EACH	14.000
0328		518E21200	POROUS BACKFILL WITH FILTER FABRIC (WT: 21)	21	CY	216.000
0329		518E40000	6" PERFORATED CORRUGATED PLASTIC PIPE (WT: 21)	21	FT	209.000
0330		518E40011	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS, AS PER PLAN (WT: 21)	21	FT	18.000
0331		840E20000	MECHANICALLY STABILIZED EARTH WALL (WT: 34)	34	SF	6,278.000
0332		840E21000	WALL EXCAVATION (WT: 34)	34	CY	4,014.000
0333		840E22000	FOUNDATION PREPARATION (WT: 34)	34	SY	930.000
0334		840E23000	SELECT GRANULAR BACKFILL (WT: 34)	34	CY	11,438.000

0335		840E23050	NATURAL SOIL (WT: 34)	34	CY	1,168.000
0336		840E24000	POROUS BACKFILL WITH FILTER FABRIC (WT: 34)	34	CY	18.000
0337		840E25010	6" DRAINAGE PIPE, PERFORATED (WT: 34)	34	FT	585.000
0338		840E25020	6" DRAINAGE PIPE, NON-PERFORATED (WT: 34)	34	FT	62.000
0339		840E26000	CONCRETE COPING (WT: 34)	34	FT	305.000
0340		840E26050	AESTHETIC SURFACE TREATMENT (WT: 34)	34	SF	5,267.000
0341		840E27000	ON-SITE ASSISTANCE (WT: 34)	34	DAY	2.000
0342		892E10201	QC/QA CONCRETE, CLASS QSC2, SUPERSTRUCTURE (DECK) WITH WARRANTY, AS PER PLAN (WT: 21)	21	CY	158.000
0343		898E10709	QC/QA CONCRETE, CLASS QSC2, SUPERSTRUCTURE (APPROACH SLAB), (T=17"), AS PER PLAN (WT: 20)	20	SY	178.000
0344		898E11001	QC/QA CONCRETE, CLASS QSC2, SUPERSTRUCTURE (PARAPET), AS PER PLAN (WT: 21)	21	CY	79.000
0345		898E11100	QC/QA CONCRETE, CLASS QSC2, SUPERSTRUCTURE(ABUTMENT DIAPHRAGM) (WT: 21)	21	CY	76.000
0346		898E20000	QC/QA CONCRETE, CLASS QSC1, SUBSTRUCTURE (WT: 21)	21	CY	246.000

Section 0015 BRIDGE NO. CLI-73-1188 L

Line	Alt	Item Code	Item Description	WT	Unit	Quantity
0347		203E35110	GRANULAR MATERIAL, TYPE B (WT: 21)	21	CY	922.000
0348		203E65000	SPECIAL - SETTLEMENT PLATFORM (WT: 21)	21	EACH	2.000
0349		505E11100	PILE DRIVING EQUIPMENT MOBILIZATION (WT: 53)	53	LS	1.000
0350		507E00100	STEEL PILES HP10X42, FURNISHED (WT: 53)	53	FT	2,280.000
0351		507E00150	STEEL PILES HP10X42, DRIVEN (WT: 53)	53	FT	2,040.000
0352		509E10000	EPOXY COATED REINFORCING STEEL (WT: 23)	23	LB	56,845.000
0353		512E10100	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE) (WT: NR)	NR	SY	915.000
0354		512E10100	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)(MSE WALL) (WT: NR)	NR	SY	389.000
0355		512E33000	TYPE 2 WATERPROOFING (WT: 40)	40	SY	3.000
0356		515E15030	DRAPED STRAND PRESTRESSED CONCRETE BRIDGE I-BEAM MEMBERS, LEVEL 3, TYPE 4 MOD. (60 IN.) (WT: 21)	21	EACH	7.000
0357		515E20001	INTERMEDIATE DIAPHRAMS, AS PER PLAN (WT: 21)	21	EACH	18.000
0358		516E13600	1" PREFORMED EXPANSION JOINT FILLER (WT: 21)	21	SF	18.000
0359		516E13900	2" PREFORMED EXPANSION JOINT FILLER (WT: 21)	21	SF	83.000
0360		516E14021	SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL, AS PER PLAN (WT: 21)	21	FT	92.000
0361		516E44201	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN, (22"X14"X3-5/8") (WT: 21)	21	EACH	14.000

0362		518E21200	POROUS BACKFILL WITH FILTER FABRIC (WT: 21)	21	CY	157.000
0363		518E40000	6" PERFORATED CORRUGATED PLASTIC PIPE (WT: 21)	21	FT	171.000
0364		518E40011	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS, AS PER PLAN (WT: 21)	21	FT	15.000
0365		840E20000	MECHANICALLY STABILIZED EARTH WALL (WT: 34)	34	SF	4,083.000
0366		840E21000	WALL EXCAVATION (WT: 34)	34	CY	2,304.000
0367		840E22000	FOUNDATION PREPARATION (WT: 34)	34	SY	512.000
0368		840E23000	SELECT GRANULAR BACKFILL (WT: 34)	34	CY	5,169.000
0369		840E23050	NATURAL SOIL (WT: 34)	34	CY	542.000
0370		840E24000	POROUS BACKFILL WITH FILTER FABRIC (WT: 34)	34	CY	14.000
0371		840E25010	6" DRAINAGE PIPE, PERFORATED (WT: 34)	34	FT	464.000
0372		840E25020	6" DRAINAGE PIPE, NON-PERFORATED (WT: 34)	34	FT	78.000
0373		840E26000	CONCRETE COPING (WT: 34)	34	FT	238.000
0374		840E26050	AESTHETIC SURFACE TREATMENT (WT: 34)	34	SF	2,005.000
0375		840E27000	ON-SITE ASSISTANCE (WT: 34)	34	DAY	2.000
0376		892E10201	QC/QA CONCRETE, CLASS QSC2, SUPERSTRUCTURE (DECK) WITH WARRANTY, AS PER PLAN (WT: 21)	21	CY	170.000
0377		898E10709	QC/QA CONCRETE, CLASS QSC2, SUPERSTRUCTURE (APPROACH SLAB), (T=17"), AS PER PLAN (WT: 20)	20	SY	143.000
0378		898E11001	QC/QA CONCRETE, CLASS QSC2, SUPERSTRUCTURE (PARAPET), AS PER PLAN (WT: 21)	21	CY	95.000
0379		898E11100	QC/QA CONCRETE, CLASS QSC2, SUPERSTRUCTURE(ABUTMENT DIAPHRAGM) (WT: 21)	21	CY	62.000
0380		898E20000	QC/QA CONCRETE, CLASS QSC1, SUBSTRUCTURE (WT: 21)	21	CY	117.000

Section 0016 BRIDGE NO. CLI-73-1188 R

Line	Alt	Item Code	Item Description	WT	Unit	Quantity
0381		203E35110	GRANULAR MATERIAL, TYPE B (WT: 21)	21	CY	871.000
0382		203E65000	SPECIAL - SETTLEMENT PLATFORM (WT: 21)	21	EACH	2.000
0383		505E11100	PILE DRIVING EQUIPMENT MOBILIZATION (WT: 53)	53	LS	1.000
0384		507E00100	STEEL PILES HP10X42, FURNISHED (WT: 53)	53	FT	2,280.000
0385		507E00150	STEEL PILES HP10X42, DRIVEN (WT: 53)	53	FT	2,040.000
0386		509E10000	EPOXY COATED REINFORCING STEEL (WT: 23)	23	LB	56,720.000
0387		512E10100	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE) (WT: NR)	NR	SY	916.000
0388		512E10100	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)(MSE WALL) (WT: NR)	NR	SY	382.000
0389		512E33000	TYPE 2 WATERPROOFING (WT: 40)	40	SY	3.000

0390		515E15030	DRAPED STRAND PRESTRESSED CONCRETE BRIDGE I-BEAM MEMBERS, LEVEL 3, TYPE 4 MOD. (60 IN.) (WT: 21)	21	EACH	7.000
0391		515E20001	INTERMEDIATE DIAPHRAMS, AS PER PLAN (WT: 21)	21	EACH	18.000
0392		516E13600	1" PREFORMED EXPANSION JOINT FILLER (WT: 21)	21	SF	18.000
0393		516E13900	2" PREFORMED EXPANSION JOINT FILLER (WT: 21)	21	SF	83.000
0394		516E14021	SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL, AS PER PLAN (WT: 21)	21	FT	92.000
0395		516E44201	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN, (22"X14"X3-5/8") (WT: 21)	21	EACH	14.000
0396		518E21200	POROUS BACKFILL WITH FILTER FABRIC (WT: 21)	21	CY	151.000
0397		518E40000	6" PERFORATED CORRUGATED PLASTIC PIPE (WT: 21)	21	FT	171.000
0398		518E40011	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS, AS PER PLAN (WT: 21)	21	FT	16.000
0399		840E20000	MECHANICALLY STABILIZED EARTH WALL (WT: 34)	34	SF	4,076.000
0400		840E21000	WALL EXCAVATION (WT: 34)	34	CY	2,261.000
0401		840E22000	FOUNDATION PREPARATION (WT: 34)	34	SY	502.000
0402		840E23000	SELECT GRANULAR BACKFILL (WT: 34)	34	CY	5,101.000
0403		840E23050	NATURAL SOIL (WT: 34)	34	CY	530.000
0404		840E24000	POROUS BACKFILL WITH FILTER FABRIC (WT: 34)	34	CY	14.000
0405		840E25010	6" DRAINAGE PIPE, PERFORATED (WT: 34)	34	FT	455.000
0406		840E25020	6" DRAINAGE PIPE, NON-PERFORATED (WT: 34)	34	FT	77.000
0407		840E26000	CONCRETE COPING (WT: 34)	34	FT	235.000
0408		840E26050	AESTHETIC SURFACE TREATMENT (WT: 34)	34	SF	3,032.000
0409		840E27000	ON-SITE ASSISTANCE (WT: 34)	34	DAY	2.000
0410		892E10201	QC/QA CONCRETE, CLASS QSC2, SUPERSTRUCTURE (DECK) WITH WARRANTY, AS PER PLAN (WT: 21)	21	CY	170.000
0411		898E10709	QC/QA CONCRETE, CLASS QSC2, SUPERSTRUCTURE (APPROACH SLAB), (T=17"), AS PER PLAN (WT: 20)	20	SY	143.000
0412		898E11001	QC/QA CONCRETE, CLASS QSC2, SUPERSTRUCTURE (PARAPET), AS PER PLAN (WT: 21)	21	CY	95.000
0413		898E11100	QC/QA CONCRETE, CLASS QSC2, SUPERSTRUCTURE(ABUTMENT DIAPHRAGM) (WT: 21)	21	CY	62.000
0414		898E20000	QC/QA CONCRETE, CLASS QSC1, SUBSTRUCTURE (WT: 21)	21	CY	178.000

Section 0017 INCIDENTALS

Line	Alt	Item Code	Item Description	WT	Unit	Quantity
0415		100E00300	SPECIAL - PREMIUM ON RAILROADS' PROTECTIVE PUBLIC LIABILITY AND PROPERTY DAMAGE LIABILITY INSURANCE (WT: NR)	NR	LS	1.000

0416		103E06000	PREMIUM FOR CONTRACT PERFORMANCE BOND, PAYMENT BOND AND MAINTENANCE BOND (WT: NR)	NR	LS	1.000
0417		108E10000	SPECIAL - CPM PROGRESS SCHEDULE (WT: NR)	NR	LS	1.000
0418		614E11000	MAINTAINING TRAFFIC (WT: 39)	39	LS	1.000
0419		619E16020	FIELD OFFICE, TYPE C (WT: NR)	NR	MNTH	24.000
0420		623E10000	CONSTRUCTION LAYOUT STAKES (WT: NR)	NR	LS	1.000
0421		624E10000	MOBILIZATION (WT: NR)	NR	LS	1.000

Ohio Department of Transportation

1980 West Broad Street, Columbus, OHIO 43223

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August 8, 2008

Re: Project 080507 **Addendum No. 1**
PID No. 78570
CLI – SR 73 – 8.34
New Construction
Letting: August 20, 2008

Notice to all Bidders and Suppliers to please be advised of the attached Proposal Addendum.

The quantity sheets that show revised items will no longer be attached to the addenda. All Reference Item revisions are reflected in the EBS files (Expedite) for this project.

ADDENDA AND/OR AMENDMENTS MUST BE ACKNOWLEDGED IN THE MISCELLANEOUS SECTION OF THE EXPEDITE (EBS) FILE IN ORDER FOR YOUR BID TO BE CONSIDERED FOR AWARD OF THIS PROJECT. BID EXPRESS WILL NOT ACCEPT BIDS THAT DO NOT HAVE AMENDMENTS INCORPORATED. FAILURE TO INCORPORATE CHANGED QUANTITIES OR ITEMS IN YOUR EXPEDITE (EBS) SUBMISSIONS WILL RESULT IN THE REJECTION OF YOUR BID.

Respectfully,

James G. Beasley
Director
Department of Transportation

TP:jwt

Proposal Addendum
for
CLI-73-8.34 PID 78570
Project 080507

Please be advised of the following:

Revised Bid Items:

Ref. No.	Item Number	Qty	Unit	Description
13	206E11001	201,834	SY	CURING COAT, AS PER PLAN
88	304E20000	3990	CY	AGGREGATE BASE
90	408E10000	34	GAL	PRIME COAT
135	644E00100	1.0	MILE	EDGE LINE

Deleted Bid Items:

Ref. No.	Item Number	Qty	Unit	Description
96	618E40100	75429	FT	RUMBLE STRIPS (ASPHALT CONCRETE)
97	880e15000	53,787	CY	ASPHALT CONCRETE (7 YEAR WARRANTY)
136	644E00100	14.7	MILE	EDGE LINE
138	644E00400	1991	FT	CHANNELIZING LINE

ADDED Bid Items (ALTERNATE)

Ref. No.	Item Number	Quantity	Unit	Description	Section
				ASPHALT DESIGN	
0500	442E10001	6,899	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN	
0501	442E10100	8,049	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, TYPE A (446)	
0502	302E46000	38,587	CY	ASPHALT CONCRETE BASE, PG64-22	
0503	304E20000	28,763	CY	AGGREGATE BASE	
0504	407E10000	6,624	GAL	TACK COAT	
0505	618E40100	75,429	FT	RUMBLE STRIPS (ASPHALT CONCRETE)	
0506	644E00100	14.7	MILE	EDGE LINE	
0507	644E00200	7.48	MILE	LANE LINE	
0508	644E00400	1991	FT	CHANNELIZING LINE	

				CONCRETE DESIGN ALTERNATE	
0509	888E14051	165,580	SY	PORTLAND CEMENT CONCRETE PAVEMENT, 11" THICK,(NON-REINFORCED AS PER 452) AS PER PLAN	
0510	451E30000	596	FT	SPECIAL - PRESSURE RELIEF JOINT, TYPE A	
0511	304E20001	31,160	CY	AGGREGATE BASE, AS PER PLAN	
0512	618E40200	75429	FT	RUMBLE STRIPS (CONCRETE)	
0513	645E00110	14.7	MILE	EDGE LINE, TYPE A3	
0514	645E00210	7.48	MILE	LANE LINE, TYPE A3	
0515	645E00410	1991	FT	CHANNELIZING LINE, TYPE A3	

Revised Sheets:
On the title sheet – Revise/Update the following Standard Construction Drawings:
BP-2.1 Dated 7-18-08
BP-2.2 Dated 7-18-08

Add the following Note:

PAVEMENT ALTERNATE:
The prime coat item quantity has been revised to reflect the elimination of the prime coat from the mainline pavement section and Prairie Road; as the 304 thickness is smaller than the 302 base thickness and therefore prime coat is not required.

The asphalt pavement section and bid items are the following:

1.50 inches – ITEM 442 ASPHALT CONCRETE SURFACE COURSE, 12.5MM, TYPE A (446)
- ITEM 407 TACK COAT FOR INTERMEDIATE COURSE
1.75 inches – ITEM 442 ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, TYPE A (446)
8.25 inches – ITEM 302 ASPHALT CONCRETE BASE
6.00 inches – ITEM 304 AGGREGATE BASE
Item 618 – Rumble Strips (Asphalt)
Item 644 – Edge line
Item 644 – Center line
Item 644 – Channelizing Line

The concrete pavement section and bid items are the following:

11.0 inches – Item 888 Portland Cement Concrete Pavement, 11" (Non-Reinforced as per 452), As Per Plan
6.5 inches – Item 304 Aggregate Base, As Per Plan
Item 618 – Rumble Strips (Concrete)
Item 645 - Edge line
Item 645 – Center line
Item 645 - Channelizing Line

The typical section widths for the pavement steps and widths shall be as per the typical sections within the plans for the mainline pavement. The 304 width as noted in the typical sections will not be reduced/revised for the 11.0" concrete pavement alternate. The pressure relief joints, expansion joints and longitudinal joints will be required as per the standard drawings.

ITEM 888 – PORTLAND CEMENT CONCRETE PAVEMENT, 11" THICK (NON-REINFORCED AS PER 452), AS PER PLAN:
In addition to the requirements of SS 888 dated 4-18-08, the requirements of PN 420 will apply and supersede the smoothness incentive/disincentive requirements of 888.

ITEM 304 – AGGREGATE BASE, AS PER PLAN
In addition to requirements of Item 304 the following shall apply:
Do not exceed a compacted lift thickness of 8" when using vibratory rollers greater than 12 tons.
The 304 widths detailed in the typicals will not be revised.

ITEM 206 - CURING COAT, AS PER PLAN
Cure the cement stabilized subgrade with emulsified asphalt, Type RS-1 or RS-2 per 702.04 at the rate of 0.3 gallons per square yard. No substitute for the emulsified asphalt cure shall be permitted. All other items of item 206, Cement Stabilized Subgrade shall apply.

Please revise the proposal note:

"**PN 090 - 7/21/2006 - Work Type Codes and Descriptions**" the third paragraph shall read:
'Listed below are the work types for this proposal. In accordance with Ohio Law, a bidder must possess work types, and perform work equal to at least forty percent of the total amount of the submitted bid price."

Ohio Department of Transportation

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August 12, 2008

Re: Project 080507 **Addendum No. 2**
PID No. 78570
CLI – SR 73 – 8.34
New Construction
Letting: August 20, 2008

Notice to all Bidders and Suppliers to please be advised of the attached Proposal Addendum.

The quantity sheets that show revised items will no longer be attached to the addenda. All Reference Item revisions are reflected in the EBS files (Expedite) for this project.

For internet access to the linked information, please see the ODOT web-site at:

ftp://ftp.dot.state.oh.us/pub/Contracts/Attach/CLI-78570/

ADDENDA AND/OR AMENDMENTS MUST BE ACKNOWLEDGED IN THE MISCELLANEOUS SECTION OF THE EXPEDITE (EBS) FILE IN ORDER FOR YOUR BID TO BE CONSIDERED FOR AWARD OF THIS PROJECT. BID EXPRESS WILL NOT ACCEPT BIDS THAT DO NOT HAVE AMENDMENTS INCORPORATED. FAILURE TO INCORPORATE CHANGED QUANTITIES OR ITEMS IN YOUR EXPEDITE (EBS) SUBMISSIONS WILL RESULT IN THE REJECTION OF YOUR BID.

Respectfully,

James G. Beasley
Director
Department of Transportation

TP:jwt

Proposal Addendum
for
CLI-73-8.34, PID 78570
Project 080507

Please be advised of the following:

Revise: Supplemental Specification 840 - Dated 4-18-08

Add: Standard Construction Drawing : HL-30.31 Dated 01-21-05
Standard Construction Drawing : HL-30.31 Dated 01-21-05

Revised Bid Items:

Ref. No.	Item Number	Qty	Unit	Description
4	202E98600	2	EA	ABANDON MISC,:DRINKING WATER WELL
31	601E32104	216	CY	ROCK CHANNEL PROTECTION, TYPE B WITH FILTER FABRIC
32	601E32204	13	CY	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER FABRIC
33	601E32305	1860	CY	ROCK CHANNEL PROTECTION, TYPE D WITH FILTER FABRIC, AS PER PLAN
43	832E30000	500,000	EACH	EROSION CONTROL
95	609E24510	728	FT	CURB, TYPE 4-C
99	625E00500	32	EACH	CONNECTOR KIT, TYPE 11
101	625E10490	16	EACH	LIGHT POLE, CONVENTIONAL,DESIGN AT18B41.7
102	625E14100	16	EACH	LIGHT POLE FOUNDATION,24"X8'DEEP
104	625E23400	2976	FT	NO. 10 AWG POLE AND BRACKET CABLE
105	625E24320	6521	FT	1-1/2" DUCT CABLE WITH THREE NO. 4 AWG 5000 VOLT CABLES
107	625E26250	16	EACH	LUMNAIRE, CONVENTIONAL, 200 WATT H.P.S., 240 VOLT
108	625E29002	6370	FT	TRENCH, 24" DEEP
109	625E30700	11	EACH	PULL BOX, 725.08, 18"
110	625E32000	16	EACH	GROUND ROD
197	840E22001	684	SY	FOUNDATION PREPARATION, AS PER PLAN
231	840E22001	684	SY	FOUNDATION PREPARATION, AS PER PLAN
265	840E22000	724	SY	FOUNDATION PREPARATION
299	840E22001	1200	SY	FOUNDATION PREPARATION, AS PER PLAN
333	840E22001	1200	SY	FOUNDATION PREPARATION, AS PER PLAN

367	840E22001	819	SY	FOUNDATION PREPARATION, AS PER PLAN
401	840E22001	819	SY	FOUNDATION PREPARATION, AS PER PLAN
419	619E16021	24	MNTH	FIELD OFFICE, TYPE C, AS PER PLAN

Deleted Bid Items:

Ref. No.	Item Number	Qty	Unit	Description
30	601E32004	197	CY	ROCK CHANNEL PROTECTION, TYPE A WITH FILTER FABRIC

Added Bid Items:

Ref. No.	Item Number	Quantity	Unit	Description	Section
516	202E35100	200	FT	PIPE REMOVED 24" AND UNDER	1
517	202E98100	1	EA	REMOVAL MISC.; TREE REMOVAL/STUMP GRINDING	1
518	202E98200	3730	FT	REMOVAL MISC.; ABANDONED GAS MAIN	1
519	625E25402	193	FT	2" CONDUIT, 725.05	5
520	659E00300	722	CY	TOPSOIL	2

Add : Special Provision 832 - Dated 5-20-08
This item can be downloaded at:
ftp://ftp.dot.state.oh.us/pub/Contracts/Attach/CLI-78570/
file name: **78570-832special provision.pdf**

Revise the plan sheets as follows:

On sheet 26; under Airway/Highway Clearance: add the following study numbers:
2008-AGL-4092-OE
2008-AGL-4093-OE
2008-AGL-4094-0E
2008-AGL-4095-OE

The FAA study numbers can be downloaded at the following link:
ftp://ftp.dot.state.oh.us/pub/Contracts/Attach/CLI-78570/
file name: **78570FAA.PDF**

On sheet 24, **Private Well Note: Delete the note in its entirety.**

On sheet 24, add the following: a Qty of Item 659 -Topsoil has been added for placement on the 12:1 slopes of the terrace grading of the interchange. Placement shall be at 6" depth.

On sheet 24, under Abandonment of Drinking Water Well – Please add a well location on Parcel 46 – revise the total to 2. Qty is revised above.

On sheet 78, Item D-44 the specified Type C RCP – should be revised to RCP Type B 30" Thick (35'longX28'8"wideX30"thick =93cy) and an inlet RCP Type D with Filter Fabric, AS Per Plan should be added to this location(112cy). Quantities are revised in this addendum.

On Sheets 689, 717, 744 and 774 – Where the sheets specify **"FRACTURED GRANITE"**; Please replace all instances with **"ASHLAR STONE"**

Please replace sheets 679 and 680 with revised sheets. One light pole has been deleted on each on ramp. Sheets can be downloaded at the following link:

ftp://ftp.dot.state.oh.us/pub/Contracts/Attach/CLI-78570/
files names are sheets: 78570-679.tif & 78570-680.tif

Add the following Notes:

CONTRACT REQUIREMENTS:

As required by this contract, the contractor shall not be allowed to work until after December 1, 2008 for project limits of Station 436+00 to Station 586+00. The crops are in place and shall not be disturbed until after December 1, 2008. The contractor has the option to make arrangements with the land owner and/or farming agent for disturbance/damage prior to December 1, 2008. ODOT shall not be held accountable for damages to crops prior to this date. From station 586+00 to 627+00, this area of work shall be limited by the utility note for the gas line (Vectren) and telephone line(Verizon). From station 627+00 to station 633+00 – there are no limitations.

ASBESTOS REPORTS

The asbestos reports for Parcel 79 (garage demo) & Parcel 59(house demo) are added by this addendum. The asbestos reports can be downloaded with the link:

ftp://ftp.dot.state.oh.us/pub/Contracts/Attach/CLI-78570/
filename: 78570 asbestosreports.pdf

REMOVAL MISC; TREE REMOVAL/STUMP GRINDING:

This item of work is in addition to the bid item for clearing and grubbing of this contract. This item of work is for the removal of a 36" diameter tree on Prairie Road at Station 36+60, 24ft left with restrictions. The contractor will not be allowed to remove this tree with a large piece of equipment. The contractor must cut the tree down to just above ground level and then remove the stump by grinding approx 6" below ground elevation. This tree has a telephone cable bored through the stump and the tree stump below 6" must be left in place to not disturb the telephone line. This item of work shall be paid for under Item 202 Removal Misc; Tree Removal/Stump Grinding. All labor, equipment & incidentals required to complete this item shall be included.

ITEM 619 - FIELD OFFICE, TYPE C, AS PER PLAN

The contractor shall provide all items contained in ODOT Specification Item 619 Field Office Type C. The structure will be provided by ODOT and is the vacant house located at 1431 Mitchell Road. The contractor will be required to upgrade the parking area so it is capable of providing 10 all weather parking spaces. The contractor will provide a broadband internet connection capable of download speeds greater than 1.5 Mbps. If 1.5 Mbps is not available, provide the highest speed available in the area. At the end of the 24 months for this bid item, the contractor will transfer ownership of services to the prime contractor for CLI-73-8.34 PID 78571. Payment for all the above shall be included in Item 619 Field Office, Type C, As Per Plan.

UTILITY NOTIFICATION

The Ohio Department of Transportation has utility facilities (Highway lighting, traffic signals) within the

limits of this project. In addition to the information outlined in the utility note of this contract, and even though ODOT is listed as a member of the Ohio Utilities Protection Service(OUPS), the contractor on this project required to contact ODOT, District 8 Traffic Department directly so that the ODOT utilities, located within this project, are marked. The contractor shall notify District 8 Traffic, at 513-933-6689, and the Project Engineer fourteen (14) calendar days in advance of any work for the need to mark ODOT owned utilities. The above requirements are in addition to section 105.07 & 107.16 of the Construction Material Specification and the Utility Note. The contractor shall notify other utilities through OUPS or directly a minimum of forty-eight (48) hours in advance of any work. The cost of the above described requirement/work is incidental to the overall bid price of the project.

Answers to Prebid Questions:

Q1: Plan sheet 1/839 references Supplemental Spec 840 dated 1/19/07. Should the revised spec dated 4/18/08 be used on this project?
A1: Supplement Specification 840 dated 4/18/08 has been updated above and shall apply.

Q2: The notes for pile driving for all the bridges state that "Pile driving may not begin until sufficient embankment and MSE wall settlement has occured" Can the piling be installed prior to MSE wall and embankment construction as long as the piling is redriven to rock after the embankment construction and settlement has occured?
A2: The contractor may drive H-piles to within 3 ft. of the design top of rock elevation while embankment settling occurs. Following the required embankment waiting period, the H-piles shall be driven to bedrock as specified in the project plans. The contractor is responsible to have sufficient pile driving equipment to extend the piles to bedrock following the embankment waiting period. Pile sleeves are still required within the MSE wall reinforced zone.

Q3: If the contractor elects to use filter fabric pipe sleeves around the MSE wall drainage, will the both the 6" pipe and porous backfill items be paid as compensation for the alternate system?
A3: The MSE wall drainage system shall be constructed as depicted on the project plans. The proposed alternate using filter fabric pipe sleeves
is not acceptable.

Q4: In the special clauses in the proposal on page 2 item 7 it states: "The Railway Company will assign, at the sole cost and expense of the Department, railroad flaggers or other protective services and devices as necessary to insure the safety and continuity of the work to be performed as part of this contract". Further, on page 3 item 9 it states: "If at any time the contractor desires a temporary crossing of the Railway Company's tracks, he shall make a request for a temporary crossing from the railroad. If approved, he shall arrange with the railroad company, execute its regular form of private grade crossing agreement covering the crossing desired, paying all construction, maintenance, removal, protection and other costs".
If the contractor arranges an agreement for a temporary grade crossing in order to haul dirt, aggregates, asphalt and other construction materials across and the railroad demands that the contractor have a full time flagmen, will ODOT pay for the flagmen?
A4: NO. ODOT will not pay for full time flagmen. As stated in the special clauses and sited in the question – it clearly states "the contractor shall arrange with the railroad company, execute its regular form of private grade crossing agreement covering the crossing desired, **paying** all construction, maintenance, removal, protection and **other costs**".

Q5: The state owns a piece of landlocked property located right of stations 585+00 thru 610+00 as shown on sheet 809/839. Can this land be made available to this project for a borrow pit? If so, how much borrow will be available to the project from this site?
A5: NO. This land cannot be made available for borrow. This land was purchased for stream mitigation of

the Environmental Assessment. ODOT had to record deed restrictions on the property. The deed restrictions can be viewed in the County Court House. This property is not to be disturbed. This was discussed in the Prebid Meeting.

Q6: "The HP pedestal, steel load plates, bearing retainers, and contact surface of connections shall receive a mist of shop prime coat as specified in Item 514.17." The notes also say to refer to Standard Drawing PSID-1-99 for additional notes and details. The notes on page 8 of 8 of PSID-1-99 say to galvanize the steel. Is it the intent to galvanize AND mist coat, or will only one method be required?
A6: The plan supersedes the standard drawings, only mist coat is required.

Q7: Retainers are mentioned in the plan note, but none are shown on the drawings. Please verify that none are required.
A7: The language is a boiler plate, unless retainers are detailed in the plans they will not be required. The plans do not show the installation of retainers and since the skew of the bridges are below 30 degrees for both bridges, retainers are not required by Standard Drawing SICD-1-96 sheet 7/7.

Q8: Bid item 95 609 Curb, type 4-C 624 Ft. Summary sheet 52 calls for 4 pieces of curb at bridge. Plan sheet 69 shows 8 pieces all of which are 26 feet. There needs to be an additional 104 feet added to this bid item.
A8: Contractor is correct. Bid Item 95 has been revised – to reflect the additional 104ft.

Q9: This question is regarding the panel texture of MSE walls. As per sheet 681A, all panels will have a panel texture of Ashlar Stone. As per Note 3 of sheets 689, 717, 744 and 774, the panel texture shall be fractured granite. The requirement on 681A does not agree with the requirement on Sheets 689, 717, 744 and 774. Please confirm the intent of the designer.
A9: All MSE Wall Panels will have a panel texture of Ashlar Stone. Sheet 689,717,744 and 774 should say Ashlar Stone Texture. Sheets Revised above.

Q10: Is the Meyerhof Coherent Gravity Method of design acceptable for internal stability calculations on the Mechanically Stabilized Earth Wall (MSE)?
A10: NO. The Meyerhof Coherent Gravity Method of design is not acceptable.

Q11: Where is "Bid Item 30 RCP Type A, w/Fabric Filter - 197 cy" to be placed?
A11: Ref 30 RCP Type A – has been deleted.

Q12: Is there any work hour restrictions on this job?
A12: NO.

Q13: The tabulated quantity for the structural backfill behind the MSE walls, will we only get paid your capped quantity or will we get paid the quantity installed if the manufacturer requires more for the tiebacks installed?
A13: If the approved shop drawings do require a longer strap length, the select granular backfill quantity will have to be recalculated to compensate the contractor for the actual quantity required, as specified in SS840.

Q14: Page 30, that expressway closure references message boards. There's also an item for message boards in the contract, a bid item. I guess my question is: Are those message boards to be paid under the bid item?
A14: The message boards as detailed in the expressway closure note are to be paid/included in the expressway closure lump sum bid item. Not the message board bid item.

Q15: Is that tree installation or what type of landscaping?
A15: There are not items in this contract for tree installation or landscaping. The terrace grading is provided for future landscaping by the locals.

Q16: The outline that I got from the state said there was some demolition involved in the project. The demolition items, are they outlined within the contract or are they specified? Are they itemized?
A16: The demolition items are part of the contract. The demolition items are specified as line items to bid. Demolition shall be as per CMS Specification 202 – buildings demolished. It will be the prime contractor's option to perform or to sub out.

Q17: Bid item 0156 is for 4 each "Wood Pole" no length or size class is provided and on plan page 670 these poles are described as "Temporary Wood Poles". Is the contractor to select a size or will the Department specify a pole size? Also with the pole described as temporary can a "good used" wood pole be furnished or is new required?
A17: The contractor is to select the size/height pole that will support the signal heads with proper sag to meet the required clearance of the signal heads and roadway. The pole(s) can be 'used', but the contractor should use good judgment when trying to select 'used' poles. The 'used' poles should be in fairly good condition. The Project Engineer has the authority to reject any used poles delivered - that are questionable and appear inappropriate.

Q18: Please reference pages 680 & 736 / 737. Page 680 shows two light poles west of Structure CLI-73-1158 fed from east of that structure. The circuit is cable-duct in trench. The plans have no provision for crossing the structure, it appears to be trenched across. Please provide a method and line items for conduit on a bridge.
A18: The light poles have been reduced by the revised sheets. There is one pole west of the structure for the off ramp. See revised lighting sheets above. The conduit is to be in the parapet of the bridge as per standard construction drawing. Appropriate pay items and standard drawings have been added by this addendum.

Q19: This question is regarding the MSE walls at Bridge No. CLI-73-1158 L & R (SR 73 over Indiana & Ohio RR). As per the notes for Proprietary Retaining Wall Data on Sheets 738 and 744, the allowable bearing pressure is 5.0 ksf. The actual pressure at the base of the reinforced soil mass exceeds 5.0 ksf even at strip lengths exceeding 70% of the design wall height (from top of pavement to top of level pad). Please advise how to proceed.
A19: For this structure only – the allowable bearing pressure for the MSE Wall Internal Stability Calculation may be increased to 6.0 ksf.

Q20: The mainline bridges have notes for Foundation Preparation, APP which indicate a required undercut at the MSE Walls. However, the actual biditems are not As Per Plan. Please clarify.
A20: The foundation preparation as per plan item dictates the required depth of the foundation preparation above the 1 ft. depth covered in SS 840. The plans have been modified to appropriately incorporate the Foundation Preparation, APP item. The Foundation Preparation APP quantity has been adjusted.

Q21: The MSE Wall plans provide limits of the wall embankment. If SS840 is added to the project, will the Department pay for Natural Soil, Wall Excavation, and Select Granular Backfill per 840.08 or per the plan limits?
A21: SS 840 is already included in the project plans. The date of the SS 840 for the project is 04-18-08. The Department will pay for Natural Soil, Wall Excavation, and Select Granular Backfill per SS 840.08.

Q23: Some projects have eliminated the use of pile sleeves in MSE wall backfill. Will the sleeves be required on this project?

A23: Pile sleeves are required for this project as outlined in SS 840.

Q24: Should bid items be added for Select Granular Backfill Inspection & Testing?
A24: Select Granular Backfill Inspection and Compaction Testing will be covered under SS 878 work. Thus, an additional pay item for Select Granular Inspection and compaction testing is not required.

Ohio Department of Transportation
1980 West Broad Street, Columbus, OHIO 43223

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August 13, 2008

Re: Project 080507 **Addendum No. 3**
PID No. 78570
CLI – SR 73 – 8.34
New Construction
Letting: August 20, 2008

Notice to all Bidders and Suppliers to please be advised of the attached Utility Note Proposal Addendum.

ADDENDA AND/OR AMENDMENTS MUST BE ACKNOWLEDGED IN THE MISCELLANEOUS SECTION OF THE EXPEDITE (EBS) FILE IN ORDER FOR YOUR BID TO BE CONSIDERED FOR AWARD OF THIS PROJECT. BID EXPRESS WILL NOT ACCEPT BIDS THAT DO NOT HAVE AMENDMENTS INCORPORATED. FAILURE TO INCORPORATE CHANGED QUANTITIES OR ITEMS IN YOUR EXPEDITE (EBS) SUBMISSIONS WILL RESULT IN THE REJECTION OF YOUR BID.

Respectfully,

James G. Beasley
Director
Department of Transportation

TP:jwt

Proposal Addendum
for
CLI-73-8.34, PID 78570
Project 080507

Utility Note "Addendum"
CLI-73-8.34
August 12, 2008

All relocation plans will be available to the contractor at the preliminary construction meeting. The below stationing and offset are approximate locations.

THE DAYTON POWER & LIGHT COMPANY (DP&L) - **Electric**
DP&L has existing facilities within the construction limits as shown in the construction plans. Their relocation work will be completed on or before November 21, 2008. The contact person for DP&L is John Kenton at 937-331-4132.

VERIZON - **Telephone**
Verizon has existing facilities within the construction limits as shown in the construction plans. Their relocation work will be completed on or before November 21, 2008. The contact person for Verizon is Scott Pfister at 937-382-4224.

VECTREN GAS
Vectren has existing facilities within the construction limits as shown in the construction plans. Their relocation work will be completed on or before November 21, 2008 (except where noted). The contact person for Vectren is Don Specht at 937-440-1965. The contractor is to call Vectren Gas five (5) days (except where noted) before starting work.

Their relocation work is as follows:

Prairie Road --- Station 51+25, 125 ft Left – to – 64+00, 40 ft Left.

State Route 134 --- Station 48+50, 125 ft Left - to - 51+75, 20 ft Right.

State Route 73 --- Station 477+44, 170 ft Left - to - 486+74, 175 ft Left - to – 510+14, 175 ft Left – to – 519+12, 181 ft Left – to – 538+94, 175 ft Left – to – 542+27, 163 ft Right.

Note: Station 610+35, 200 ft Left – to – 200 ft Right --- the work at this location will be completed after the contractor has achieved rough grade. The contractor will contact Vectren Gas four (4) weeks in advance to coordinate this work and an additional five (5) weeks to complete the work. Due to the required shutdown of this transmission line, Vectren Gas will not be able to perform this relocation work between December 1st and April 1st during any given year. Also, at Station 610+35, the contractor shall not disturb the soil within fifteen (15) feet each side of the transmission gas main. The plan currently details five (5) ft each side, this requirement shall be increased to fifteen (15) feet each side. During embankment fill operations, the contractor shall exercise care for the first three (3) feet of fill over the gas main.

For frequent passes with heavy equipment, over all transmission gas mains within the construction limits, the contractor shall be required to build a crossing location with a minimum cover of six (6) feet. The equipment shall be required to cross at a reduced speed no greater than five (5) mph.

WESTERN WATER COMPANY
Western Water has existing facilities within the construction limits as shown in the construction plans. All relocation work will be completed on or before August 29, 2008. The contact person for Western Water is Kurt Meeker at 513-899-3211, Ext 22.

Their relocation work is as follows:

State Route 134 --- Station 48+60, 35 ft Right – to - 48+60, 85 ft Right – to - 51+45, 85 ft Right – to - 51+45, 35 ft Right.

CITY OF WILMINGTON – **Water**
The Water Department has existing facilities within the construction limits as shown in the construction plans. These facilities will stay in place and in service. The contact person is Larry Reinsmith at 937-382-6509.

Ohio Department of Transportation

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August 13, 2008

Re: Project 080507 **Addendum No. 4**
PID No. 78570
CLI – SR 73 – 8.34
New Construction
Letting: August 20, 2008

Notice to all Bidders and Suppliers to please be advised of the attached Proposal Addendum.

The quantity sheets that show revised items will no longer be attached to the addenda. All Reference Item revisions are reflected in the EBS files (Expedite) for this project.

ADDENDA AND/OR AMENDMENTS MUST BE ACKNOWLEDGED IN THE MISCELLANEOUS SECTION OF THE EXPEDITE (EBS) FILE IN ORDER FOR YOUR BID TO BE CONSIDERED FOR AWARD OF THIS PROJECT. BID EXPRESS WILL NOT ACCEPT BIDS THAT DO NOT HAVE AMENDMENTS INCORPORATED. FAILURE TO INCORPORATE CHANGED QUANTITIES OR ITEMS IN YOUR EXPEDITE (EBS) SUBMISSIONS WILL RESULT IN THE REJECTION OF YOUR BID.

Respectfully,

James G. Beasley
Director
Department of Transportation

TP:jwt

Proposal Addendum
for
CLI-73-8.34; PID 78570
Project 080507

Please be advised of the following:

Revised Bid Items:

Ref. No.	Item Number	Qty	Unit	Description
73	603E38000	240	FT	144" CONDUIT, TYPE A, 706.02 (1,750 D-LOAD), OR 707.03 (0.138)
175	616E10000	4000	MGAL	WATER

Added Bid Items:

Ref. No.	Item Number	Quantity	Unit	Description	Section
521	202E62700	1	EACH	SEPTIC TANK REMOVED, PARCEL 46	0008
522	503E21300	LUMP		UNCLASSIFIED EXCAVATION	0012

Add the following note: As stated in the Prebid Meeting - ODOT will not permit any concrete or asphalt plants on the public right of way on this contract. Also, the contractor will not be permitted to store equipment or material on the project site except for short duration and staging purposes to benefit the contract.

Answers to Prebid Questions:
Q1: There is no pay item under bridge CLI-73-0985 for the unclassified excavation required for the pier. Please add this item.
A1: It has been added by this addendum

Q2: Bid item 73 is for 144",706.02. Can 707.03 be used as shown on plan sheet 584?
A2: Yes – Bid item 73 is revised above to include 707.03 (0.138)

Q3: PLANS CALL OUT FOR SS SPEC 840 DATED 1/19/07, SHOULD THIS NOT BE CHANGED TO 4/18/2008?
A3: Please see addendum 'b' – updated to 4/18/08

Q4: ALSO CAN THE PILING BE DRIVEN PRIOR OF EMBANKMENT CONSTRUCTION & MSE WALL CONSTRUCTION SINCE THE PILING IS BEING DRIVEN TO BEDROCK ?
A4: See addendum 'b' for response

Q5: IF THE PROJECT STILL INTEND TO USE SS SPEC 840 DATED 1/19/07, CAN THE PILE SLEEVES BE BACKFILL WITH GRANULAR FILL AS STATED IN SS 840 DATED 4/18/2008, THIS WOULD BE A SAVINGS TO THE PROJECT?
A5: SS 840 updated to 4-18-08 in addendum 'b'. Please build according to ss840 dated 4/18/2008

Q6: The pre-bid meeting minutes state that erosion control will be revised and updated to the supplemental specification 832 dated 5/20/08. The supplemental spec shown on the cover sheet of the plans is ss 832 dated 4-25-06. The ss available on the ODOT website is also the one dated 4-25-06. Which spec will apply for this project? If the 08 revision applies where can this spec be found?

A6: Please see response in addendum 'b" which adds Special Provision 832 dated 5-20-08. The link provided in addendum 'b' is where you find the Special Provision 832 (43pages). The website should reflect SS832 dated 4-25-06 as the **Supplemental Specification 832** is different from the **Special Provision 832**

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August 15, 2008

Re: Project 080507 **Addendum No. 5**
PID No. 78570
CLI – SR 73 – 8.34
New Construction
Letting: September 10, 2008

Please be advised that the above referenced project has been delayed from the August 20, 2008 letting and is rescheduled to sell on **September 10, 2008.**

Note that you now must download the EBS file named **10sept507.ebs** to submit your bid.

ADDENDA AND/OR AMENDMENTS MUST BE ACKNOWLEDGED IN THE MISCELLANEOUS SECTION OF THE EXPEDITE (EBS) FILE IN ORDER FOR YOUR BID TO BE CONSIDERED FOR AWARD OF THIS PROJECT. BID EXPRESS WILL NOT ACCEPT BIDS THAT DO NOT HAVE AMENDMENTS INCORPORATED. FAILURE TO INCORPORATE CHANGED QUANTITIES OR ITEMS IN YOUR EXPEDITE (EBS) SUBMISSIONS WILL RESULT IN THE REJECTION OF YOUR BID.

Respectfully,

James G. Beasley
Director
Ohio Department of Transportation

TP:jwt

Ohio Department of Transportation

1980 West Broad Street, Columbus, OHIO 43223

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August 29, 2008

Re: Project 080507 **Addendum No. 6**
PID No. 78570
CLI – SR 73 – 8.34
New Construction
Letting: September 10, 2008

Notice to all Bidders and Suppliers to please be advised of the attached Proposal Addendum.

The quantity sheets that show revised items will no longer be attached to the addenda. All Reference Item revisions are reflected in the EBS files (Expedite) for this project.

For internet access to the revised plan sheet, please see the ODOT web-site at:

ftp://ftp.dot.state.oh.us/pub/Contracts/Attach/CLI-78570/

ADDENDA AND/OR AMENDMENTS MUST BE ACKNOWLEDGED IN THE MISCELLANEOUS SECTION OF THE EXPEDITE (EBS) FILE IN ORDER FOR YOUR BID TO BE CONSIDERED FOR AWARD OF THIS PROJECT. BID EXPRESS WILL NOT ACCEPT BIDS THAT DO NOT HAVE AMENDMENTS INCORPORATED. FAILURE TO INCORPORATE CHANGED QUANTITIES OR ITEMS IN YOUR EXPEDITE (EBS) SUBMISSIONS WILL RESULT IN THE REJECTION OF YOUR BID.

Respectfully,

James G. Beasley
Director
Department of Transportation

TP:jwt

Proposal Addendum
for
CLI-73-8.34; PID 78570
Project 080507

Please be advised of the following:

Revised Bid Items:

Ref. No.	Item Number	Qty	Unit	Description
162	202E56001	LUMP		BUILDING DEMOLISHED,ODOT PARCEL NO.59T, 1 STORY FRAME/BRICK HOUSE, AS PER PLAN
				CLI-73-0905L
177	203E35110	687	CY	GRANULAR MATERIAL, TYPE B
182	509E10000	43831	LB	EPOXY COATED REINFORCING STEEL
183	512E10100	578	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)
189	516E13900	70	SF	2" PREFORMED EXPANSION JOINT FILLER
192	518E21200	132	CY	POROUS BACKFILL WITH FILTER FABRIC
193	518E40000	164	FT	6" PERFORATED CORRUGATED PLASTIC PIPE
194	518E40011	10	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS, AS PER PLAN
196	840E21000	1875	CY	WALL EXCAVATION
206	892E10201	104	CY	QC/QA CONCRETE, CLASS QSC2, SUPERSTRUCTURE (DECK) WITH WARRANTY, AS PER PLAN
208	898E11001	29	CY	QC/QA CONCRETE, CLASS QSC2, SUPERSTRUCTURE (PARAPET), AS PER PLAN
209	898E11100	44	CY	QC/QA CONCRETE, CLASS QSC2, SUPERSTRUCTURE(ABUTMENT DIAPHRAGM)
				CLI-73-0905R
211	203E35110	687	CY	GRANULAR MATERIAL, TYPE B
216	509E10000	43831	LB	EPOXY COATED REINFORCING STEEL
217	512E10100	578	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)
223	516E13900	71	SF	2" PREFORMED EXPANSION JOINT FILLER
226	518E21200	132	CY	POROUS BACKFILL WITH FILTER FABRIC
227	518E40000	164	FT	6" PERFORATED CORRUGATED PLASTIC PIPE
228	518E40011	10	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS, AS PER PLAN
230	840E21000	1875	CY	WALL EXCAVATION
240	892E10201	104	CY	QC/QA CONCRETE, CLASS QSC2, SUPERSTRUCTURE (DECK) WITH WARRANTY, AS PER PLAN
242	898E11001	29	CY	QC/QA CONCRETE, CLASS QSC2, SUPERSTRUCTURE (PARAPET), AS PER PLAN
243	898E11100	44	CY	QC/QA CONCRETE, CLASS QSC2, SUPERSTRUCTURE(ABUTMENT DIAPHRAGM)

244	898E20000	163	CY	QC/QA CONCRETE, CLASS QSC1, SUBSTRUCTURE
				CLI-73-0985
250	509E10000	96112	LB	EPOXY COATED REINFORCING STEEL
251	512E10100	1129	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)
252	512E10100	339	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)(MSE WALL)
260	518E21200	122	CY	POROUS BACKFILL WITH FILTER FABRIC
263	840E20000	3921	SF	MECHANICALLY STABILIZED EARTH WALL
267	840E23050	205	CY	NATURAL SOIL
274	898E10201	258	CY	QC/QA CONCRETE, CLASS QSC2, SUPERSTRUCTURE (DECK), AS PER PLAN
275	898E10709	259	SY	QC/QA CONCRETE, CLASS QSC2, SUPERSTRUCTURE (APPROACH SLAB), (T=17"), AS PER PLAN
276	898E11001	55	CY	QC/QA CONCRETE, CLASS QSC2, SUPERSTRUCTURE (PARAPET), AS PER PLAN
277	898E11100	51	CY	QC/QA CONCRETE, CLASS QSC2, SUPERSTRUCTURE(ABUTMENT AND PIER DIAPHRAGM)
278	898E20000	218	CY	QC/QA CONCRETE, CLASS QSC1, SUBSTRUCTURE
				CLI-73-1158L
284	509E10000	72867	LB	EPOXY COATED REINFORCING STEEL
285	512E10100	903	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)
286	512E10100	763	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)(MSE WALL)
290	516E13600	16	SF	1" PREFORMED EXPANSION JOINT FILLER
291	516E13900	65	SF	2" PREFORMED EXPANSION JOINT FILLER
292	516E14021	137	FT	SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL, AS PER PLAN
294	518E21200	318	CY	POROUS BACKFILL WITH FILTER FABRIC
295	518E40000	248	FT	6" PERFORATED CORRUGATED PLASTIC PIPE
296	518E40011	10	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS, AS PER PLAN
297	840E20000	8044	SF	MECHANICALLY STABILIZED EARTH WALL
298	840E21000	4076	CY	WALL EXCAVATION
301	840E23050	564	CY	NATURAL SOIL
308	892E10201	168	CY	QC/QA CONCRETE, CLASS QSC2, SUPERSTRUCTURE (DECK) WITH WARRANTY, AS PER PLAN
309	898E10709	408	SY	QC/QA CONCRETE, CLASS QSC2, SUPERSTRUCTURE (APPROACH SLAB), (T=17"), AS PER PLAN
310	898E11001	45	CY	QC/QA CONCRETE, CLASS QSC2, SUPERSTRUCTURE (PARAPET), AS PER PLAN
311	898E11100	68	CY	QC/QA CONCRETE, CLASS QSC2, SUPERSTRUCTURE (ABUTMENT DIAPHRAGM)

312	898E20000	316	CY	QC/QA CONCRETE, CLASS QSC1, SUBSTRUCTURE
				CLI-73-1158R
318	509E10000	69370	LB	EPOXY COATED REINFORCING STEEL
319	512E10100	750	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)
320	512E10100	650	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)(MSE WALL)
324	516E13600	16	SF	1" PREFORMED EXPANSION JOINT FILLER
325	516E13900	65	SF	2" PREFORMED EXPANSION JOINT FILLER
326	516E14021	127	FT	SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL, AS PER PLAN
328	518E21200	218	CY	POROUS BACKFILL WITH FILTER FABRIC
330	518E40011	10	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS, AS PER PLAN
331	840E20000	6846	SF	MECHANICALLY STABILIZED EARTH WALL
335	840E23050	517	CY	NATURAL SOIL
342	892E10201	153	CY	QC/QA CONCRETE, CLASS QSC2, SUPERSTRUCTURE (DECK) WITH WARRANTY, AS PER PLAN
343	898E10709	373	SY	QC/QA CONCRETE, CLASS QSC2, SUPERSTRUCTURE (APPROACH SLAB), (T=17"), AS PER PLAN
344	898E11001	45	CY	QC/QA CONCRETE, CLASS QSC2, SUPERSTRUCTURE (PARAPET), AS PER PLAN
345	898E11100	69	CY	QC/QA CONCRETE, CLASS QSC2, SUPERSTRUCTURE(ABUTMENT DIAPHRAGM)
346	898E20000	214	CY	QC/QA CONCRETE, CLASS QSC1, SUBSTRUCTURE
				CLI-73-1188L
352	509E10000	56926	LB	EPOXY COATED REINFORCING STEEL
353	512E10100	789	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)
354	512E10100	380	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)(MSE WALL)
358	516E13600	9	SF	1" PREFORMED EXPANSION JOINT FILLER
359	516E13900	85	SF	2" PREFORMED EXPANSION JOINT FILLER
362	518E21200	154	CY	POROUS BACKFILL WITH FILTER FABRIC
364	518E40011	11	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS, AS PER PLAN
365	840E20000	4197	SF	MECHANICALLY STABILIZED EARTH WALL
368	840E23000	5199	CY	SELECT GRANULAR BACKFILL
376	892E10201	142	CY	QC/QA CONCRETE, CLASS QSC2, SUPERSTRUCTURE (DECK) WITH WARRANTY, AS PER PLAN
377	898E10709	299	SY	QC/QA CONCRETE, CLASS QSC2, SUPERSTRUCTURE (APPROACH SLAB), (T=17"), AS PER PLAN

378	898E11001	43	CY	QC/QA CONCRETE, CLASS QSC2, SUPERSTRUCTURE (PARAPET), AS PER PLAN
379	898E11100	50	CY	QC/QA CONCRETE, CLASS QSC2, SUPERSTRUCTURE(ABUTMENT DIAPHRAGM)
380	898E20000	177	CY	QC/QA CONCRETE, CLASS QSC1, SUBSTRUCTURE
				CLI-73-1188R
386	509E10000	56794	LB	EPOXY COATED REINFORCING STEEL
387	512E10100	789	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)
388	512E10100	373	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)(MSE WALL)
392	516E13600	9	SF	1" PREFORMED EXPANSION JOINT FILLER
393	516E13900	85	SF	2" PREFORMED EXPANSION JOINT FILLER
396	518E21200	154	CY	POROUS BACKFILL WITH FILTER FABRIC
398	518E40011	11	FT	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS, AS PER PLAN
399	840E20000	4197	SF	MECHANICALLY STABILIZED EARTH WALL
410	892E10201	142	CY	QC/QA CONCRETE, CLASS QSC2, SUPERSTRUCTURE (DECK) WITH WARRANTY, AS PER PLAN
411	898E10709	299	SY	QC/QA CONCRETE, CLASS QSC2, SUPERSTRUCTURE (APPROACH SLAB), (T=17"), AS PER PLAN
412	898E11001	43	CY	QC/QA CONCRETE, CLASS QSC2, SUPERSTRUCTURE (PARAPET), AS PER PLAN
413	898E11100	50	CY	QC/QA CONCRETE, CLASS QSC2, SUPERSTRUCTURE(ABUTMENT DIAPHRAGM)
414	898E20000	177	CY	QC/QA CONCRETE, CLASS QSC1, SUBSTRUCTURE
418	614E11001	LUMP		MAINTAING TRAFFIC, AS PER PLAN
0500	442E10000	6,899	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446)
0504	407E14000	6,624	GAL	TACK COAT FOR INTERMEDIATE COURSE

Add the following Notes:

ITEM 202 - BUILDING DEMOLISHED,ODOT PARCEL NO.59T, 1 STORY FRAME/BRICK HOUSE, AS PER PLAN

This item of work is for the removal of the room addition of this parcel - only. The room addition is attached to the Garage outer wall(north side). The contractor shall remove the brick addition with the intent to not damage the remaining residence and garage. The combined roof of the garage and the room addition shall be removed by leaving a 3 foot overhang from the garage. The roof section will need to be sawed at a location to leave the 3 ft overhang from the garage structure. The shingles removed to allow this cut – will not need to be replaced. This combined roof section is on the rear side of the structure. All portions of the room addition shall be removed including the foundation and flooring. Top soil shall be placed to fill the void created by foundation removal. All labor, equipment, material and incidentals required to perform this work as described shall be included in this bid price.

Contract Requirements:
The contract requirements note, in Addendum #2 shall apply as stated and the following additional contract requirement shall apply. For the section from Station 475+00 to Station 525+00, including all of Prairie Road and SR 134 – NO WORK shall be allowed to start until after Jan 1, 2009.

ITEM 614 – MAINTAINING TRAFFIC, AS PER PLAN
All requirements of Item 614 Maintaining Traffic shall apply as indicated in the plans and specifications, this note is to add the requirements for haul roads crossing roadways. The contractor shall be required to construct the crossing as per figure 6H-14 "Haul Road Crossing (TA-14) of the The Ohio Manual of Uniform Traffic Control Devices. It shall be the contractor's option to use the flagging or signalized method as depicted in the figure. The contractor shall be required to remove the existing asphalt pavement to a width equal to two times the width of the contractor's 'widest' vehicle to use the crossing. The contractor will be required construct a crossing with a pavement composition of 6" – 304 aggregate base & 10 inches of Item 452 Non-reinforced concrete pavement. When the contractor is done using the crossing, the contractor shall be required to remove the concrete pavement and restore the pavement to its original composition. For the surface course replacement, the contractor shall be required to plane at least 15 feet back on each side of the removed section. The planing depth shall be equal to the surface course depth to be placed. This requirement is necessary for the surface course to overlap/seal the pavement section removed. Payment for all the above, including the required surface course will be under Item 614, Maintaining Traffic, As Per Plan.

Revise the plan sheets as follows:

Replace the following plan sheets entirely: 708, 734, 735, 764, 765, 766 & 793. The sheets are for the revised quantities - on reinforcing steel lists.

Answers to Prebid Questions:

Q: Item Code 206e30000, Contractor Designed Chemically Stabilized Subgrade. Supplement 1120, Mixture Design for Chemically Stabilized Soils indicates that the mix design procedure be performed for each soil group classification. The majority of the embankment/subgrade material will consist of off site borrow with no soil boring information to indicate the # of different soil group classifications (A-1 thru A-7). How many mix design procedures can we anticipate?
A: The contractor is responsible for the embankment material. The number of different soil group classifications will be determined based on the contractor's borrow source. The Department does not dictate the borrow source and thus cannot dictate the number of soil group classifications. The Contractor Designed Chemically Stabilized Subgrade is to be performed on soils at the proposed subgrade level.

Q: In Addendum #1, Item 206 - Curing Coat was modified to prohibit use of curing materials specified in 451.02. Would ODOT reconsider use of these material considering the volatility and availability of the emulsified asphalt, Type RS-1 or RS-2?
A: NO.

Q: Your qty. for the QC/QA bridge parapets on ODOT 507 appears to be incorrect. I have checked bridge No.s 0905 & 0985 and both appear incorrect. The other bridges may not be correct either.
A: Quantities are revised by this addendum.

Q: Addendum number 1 added Ref # 500 Asphalt concrete surface course, 12.5mm Type A , As Per Plan. There is no additional information pertaining to he "As Per Plan" portion of the pay item. The concrete item that was added (Ref 509) contains an As Per Plan designation with additional information that follows on the last page of the addendum. Please clarify what the As Per Plan designation is for in Ref # 500.
A: This was an error. Item revised to remove the "As Per Plan."

Q: Reference 275 QC/CA Concrete Approach Slab. The plan qty. is 142 SY. This is for Br. # 0985. There are two approaches (30' long x 39' wide). Shouldn't the qty. be 260 SY ?
A: Item revised by this addendum.

Q: Will the contractor be permitted to cross US 22 with off road equipment? If so, could you please provide details as to what you expect from a traffic maintenance standpoint and any other stipulations or restrictions you may have such as work hours, etc.
A: Yes. Item 614 has been revised to an as per plan - to allow off road equipment to cross based on the requirements stated above. This requirement will apply to all crossings, not just US 22 as noted in the question.

Q: The plan quantity for the approach slabs appears to be the calculated cy quantity of concrete required, not the sy of surface area. Please clarify unit of measurement. We can not verify the plan quantity of concrete shown for the parapet walls on any of the bridges. All appear to be approx. twice our calculated qty. Please confirm plan qtys. are correct.
A: Quantities have been revised by this addendum.

Q: There are several possible quantity discrepancies for the structures in the contract plans. They are as follows:
Structure No. CLI-73-0905L
RN 208 - Plan Qty = 63 CY , Take Off Qty = 42 CY (Parapet)
RN 209 - Plan Qty = 50 CY , Take Off Qty = 39 CY (Diaphragm)
Structure No. CLI-73-0905R
RN 242 - Plan Qty = 63 CY , Take Off Qty = 42 CY (Parapet)
RN 243 - Plan Qty = 50 CY , Take Off Qty = 39 CY (Diaphragm)
Structure No. CLI-73-0985
RN 275 - Plan Qty = 142 SY , Take Off Qty = 260 SY(App Slab)
RN 276 - Plan Qty = 60 CY , Take Off Qty = 57 CY (Parapet)
Structure No. CLI-73-1158L
RN 309 - Plan Qty = 195 SY , Take Off Qty = 412 SY(App Slab)
RN 310 - Plan Qty = 79 CY , Take Off Qty = 47 CY (Parapet)
RN 311 - Plan Qty = 85 CY , Take Off Qty = 69 CY (Diaphragm)
Structure No. CLI-73-1158R
RN 343 - Plan Qty = 178 SY , Take Off Qty = 400 SY(App Slab)
RN 344 - Plan Qty = 79 CY , Take Off Qty = 47 CY (Parapet)
RN 345 - Plan Qty = 76 CY , Take Off Qty = 63 CY (Diaphragm)
Structure No. CLI-73-1188L
RN 377 - Plan Qty = 143 SY , Take Off Qty = 300 SY(App Slab)
RN 378 - Plan Qty = 95 CY , Take Off Qty = 55 CY(Parapet)
RN 379 - Plan Qty = 62 CY , Take Off Qty = 56 CY(Diaphragm)
RN 380 - Plan Qty = 117 CY , Take Off Qty = 176 CY (Abutmnt)
Structure No. CLI-73-1188R
RN 411 - Plan Qty = 143 SY , Take Off Qty = 300 SY(App Slab)
RN 412 - Plan Qty = 95 CY , Take Off Qty = 55 CY(Parapet)
RN 413 - Plan Qty = 62 CY , Take Off Qty = 56 CY(Diaphragm)
Please verify these quantities.

A: Quantities have been revised by this addendum.

Q: Addendum no. 2 added bid item 516. Where is this pipe located? What is the pipe material? What is the

pipe depth? Addendum no. 2 added bid item 518. Where is this pipe located? What is the pipe material? What is the pipe depth?
A: The material is 8" steel, .250" wall thickness, X-42 pipe. The depth is 5 feet of cover. The locations is as depicted for existing gas main on Sheet 69 (along SR 134), sheets 69-70 (Sta. 482+00 to 487+00), Sheets 71-72 (Sta. 510+00 to 522+00), along the west side of existing Prairie Road and sheet 74 (Sta 539+00 to 543+00).

Q: Addendum no. 2 added bid item 516. Where is this pipe located? What is the pipe material? What is the pipe depth?
A: The pipe is to account for the drive pipes to be removed along Prairie Road. Material is Corrugated Metal Pipe – The depth is 2 feet of cover.

Q: We read 878.02 to mean one technician is required with each crew or at ach work location. Is that correct, or can one technician cover two crews at two locations?
878.02 Personnel Requirements. Provide at least one lead technician with NICET Level II, Construction Materials Testing – subfield Soils certification and 5 years relevant experience per project.
Provide technicians with NICET Level II, Construction Materials Testing – subfield Soils certification, and 2 years relevant experience, at all times for every operation requiring inspection, compaction testing and documentation. At a minimum, provide full time inspection and documentation, when unbound material is being placed. Provide a list of all required personnel to the Engineer for acceptance 7 days prior to the work.
A: The consultant shall provide adequate personnel to meet the requirements of SS 878. The number of technicians will depend on the type and location of the work being performed by the contractor.

Q: Item code 203E65000 for settlement platforms. The general notes state that settlement readings shall be taken weekly during construction. Are the weekly settlement readings still needed at the bridge locations after it has been determined that sufficient settlement has occurred?
A: Weekly settlement platform readings will not be required – once sufficient settlement has occurred.

Q: In Addendum # 1 ODOT revised the quantity for Ref # 88, 304 Aggregate Base, to 3,990 CY. Do you have a breakdown of where this material goes since you did not issue any drawings and/or quantity sheets for this item.
A: The original quantity was reduced by the amount of aggregate base placed under the mainline pavement and moved to a new reference under the asphalt alternate. If you add 3,990 + addendum # 1 28,763 cy = 32,753 cy (original contract amount). So the areas are the same. The 3990 – is as per sheets 54 & 55 and the approach slabs on sheets 52 & 53 and the drives on sheet 51A.

Q: In Addendum #1, an alternate for concrete pavement was added requiring rumble strips. Can these rumble strips be formed in lieu of grinding?
A: NO.

Q: In Addendum No. 1, the asphalt design alternate lists Items 644, Thermoplastic Pavement Marking, Ref Nos. 506, 507 and 508, while the concrete design alternate lists Items 645, Preformed Pavement Marking, Ref. Nos. 513, 514, and 515. These are not equivalent pavement marking systems so why is the concrete alternate being required to provide a much more expensive pavement marking system than the asphalt alternate?
A: The preformed pavement marking was chosen based on equal service life of the material types. The Department has determined the thermo pavement marking on asphalt provides equal service life compared to preformed pavement marking on concrete. The two systems are equivalent. Thermo provides expanded service life over ordinary paint – which paint is obviously cheaper than thermo by 4 times.

Q: In Addendum #1, an alternate for concrete pavement was added. Bid items for pavement markings were added which specified 645 Preformed Pavement Marking. On recent ODOT projects 646 Epoxy Pavement Markings have been specified. The cost of Preformed Pavement Marking versus Epoxy Pavement Marking based on 2007 Average Unit Price is almost 6 times more expensive. Would ODOT consider specifying Epoxy Pavement Markings in lieu of Preformed Pavement Markings for concrete pavement?
A: NO – Epoxy pavement markings do not provide equal service life – please refer to the question/answer above for additional information. Epoxy pavement markings on concrete pavement are not visible during daylight hours. The epoxy pavement marking is dull/gray and blends in with the gray surface of concrete pavement – Therefore the markings are a visible disadvantage for the travelling public (safety issue).

ORIGINAL LCCA

CLI-73-8.34 PID 78570

Initial Construction				Quantities		Unit	Costs	
Item	Description	Unit	Amt	Flexible	Rigid	Price	Flexible	Rigid
304	Aggregate Base	CY	6	28,623	28,142	$ 35.00	$1,001,821	$984,984
880	Warranty Asphalt	CY	11.5	53,238		$ 70.24	$3,739,321	
884	Warranty Concrete	SY	11		164,525	$ 32.61		$5,364,866
					Total Cost of Initial Construction		**$4,741,143**	**$6,349,850**
					% Greater than Lowest			**33.93%**

Future Maintenance				Quantities		Unit	Discounted Costs	
Item	Description	Unit	Amt	Flexible	Rigid	Price	Flexible	Rigid
	@ Year 14							
254	Pavement Planing	SY		103,910		$ 1.25	$85,871	
407	Tack Coat	GAL	0.075	7,793		$ 1.00	$5,152	
442	AC Surface, 12.5mm, Type A (446)	CY	1.5	4,330		$ 98.33	$281,457	
	@ Year 25							
254	Pavement Planing	SY		164,525		$ 1.10	$86,436	
254	Patching Planed Surface	SY	1%	1,645		$ 1.50	$1,179	
255	Rigid Repair, Class FS	SY	4%		4,156	$ 95.00		$188,587
255	Pavement Sawing	LF			10,636	$ 1.75		$8,889
257	Diamond Grinding	SY			112,570	$ 4.50		$241,937
407	Tack Coat	GAL	0.075	12,339		$ 1.00	$5,893	
407	Tack Coat for Intermediate	GAL	0.04	6,581		$ 1.00	$3,143	
442	AC Surface, 12.5mm, Type A (446)	CY	1.5	6,855		$ 96.46	$315,818	
442	AC Intermediate, 19mm, Type A (446)	CY	1.75	7,998		$ 83.16	$317,651	
					Total Cost of Future Maintenance @ 3.0% Discount Rate		**$1,102,601**	**$439,414**
					Total Life-Cycle Cost of Alternative @ 3.0% Discount Rate		**$5,843,744**	**$6,789,263**
					% Greater than Lowest			**16.18%**

CLI-74-8.34 PAVEMENT ALTERNATE ANALYSIS

Item Number	Description	Quantity	Unit	Unit Cost	Pavement Items	Traffic Control Items	TOTAL
ASPHALT DESIGN ALTERNATE							
442E10001	AC Surface Course	6899	CY	$156.20	$1,077,623.80		
442E10100	AC Intermediate Course	8049	CY	$122.10	$982,782.90		
302E46000	AC Base Course	38587	CY	$91.81	$3,542,672.47		
304E20000	Aggregate Base	28763	CY	$24.10	$693,188.30		
407E10000	Tack Coat	6624	GAL	$3.00	$19,872.00		
618E40100	Rumble Strips	75429	FT	$0.12		$9,051.48	
644E00100	Edge Line	14.7	MILE	$1,699.00		$24,975.30	
644E00200	Lane Line	7.48	MILE	$1,001.00		$7,487.48	
644E00400	Channelizing Line	1991	FT	$1.38		$2,747.58	
				TOTALS	$6,316,139.47	$44,261.84	$6,360,401.31
CONCRETE DESIGN ALTERNATE							
888E14051	QC/QA Concrete Pavement	165580	SY	$32.44	$5,371,415.20		
451E30000	Pressure Relief Joint	596	FT	$145.11	$86,485.56		
304E20001	Aggregate Base *	31160	CY	$23.94	$745,970.40		
618E40200	Rumble Strips	75429	FT	$0.29		$21,874.41	
645E00110	Edge Line	14.7	MILE	$11,138.00		$163,728.60	
645E00210	Lane Line	7.48	MILE	$4,142.00		$30,982.16	
645E00410	Channelizing Line	1991	FT	$5.90		$11,746.90	
				TOTALS	$6,203,871.16	$228,332.07	$6,432,203.23
DIFFERENCES					$112,268.31	-$184,070.23	-$71,801.92

* Note: 1/2" extra aggregate base added to concrete design alternate in lieu of revising plans

Extra 1/2" Aggregate Base	2396	CY	$23.94	$57,360.24

5501.11 Department of transportation with respect to highways.

(A) The functions of the department of transportation with respect to highways shall be to do all of the following:

(1) Establish state highways on existing roads, streets, and new locations and construct, reconstruct, widen, resurface, maintain, and repair the state system of highways and the bridges and culverts thereon;

(2) Cooperate with the federal government in the establishment, construction, reconstruction, improvement, maintenance, and repair of post roads and other roads designated by the federal authorities;

(3) Conduct research and cooperate with organizations conducting research in matters pertaining to highway design, construction, maintenance, material, safety, and traffic;

(4) Cooperate with the counties, municipal corporations, townships, and other subdivisions of the state in the establishment, construction, reconstruction, maintenance, repair, and improvement of the public roads and bridges.

(B) To fulfill its functions under division (A) of this section, the department shall develop and maintain a pavement management system. The system shall inventory and evaluate basic road and bridge conditions throughout the state highway system and develop strategies to improve those conditions, minimize annual maintenance of the state highway system, and ensure that a disproportionate percentage of the roads and bridges on the state highway system are not due for replacement or major repair at the same time. The department shall identify and promote longer pavement life spans to lessen user delays and the disruption to traffic on the state highway system.

Effective Date: 09-28-1973; 03-29-2005

5525.01 Advertisement for bids - awarding of contracts - ODOT letting fund.

Before entering into a contract the director of transportation shall advertise for bids for two consecutive weeks in one newspaper of general circulation published in the county in which the improvement or part thereof is located, but if there is no such newspaper then in one newspaper having general circulation in an adjacent county. The director may advertise for bids in such other publications as the director considers advisable. Such notices shall state that plans and specifications for the improvement are on file in the office of the director and the district deputy director of the district in which the improvement or part thereof is located and the time within which bids therefor will be received.

Each bidder shall be required to file with the bidder's bid a bid guaranty in the form of a certified check , a cashier's check, or an electronic funds transfer to the treasurer of state that is evidenced by a receipt or by a certification to the director of transportation in a form prescribed by the director that an electronic funds transfer has been made to the treasurer of state, for an amount equal to five per cent of the bidder's bid, but in no event more than fifty thousand dollars, or a bid bond for ten per cent of the bidder's bid, payable to the director, which check, transferred sum, or bond shall be forthwith returned to the bidder in case the contract is awarded to another bidder, or, in case of a successful bidder, when the bidder has entered into a contract and furnished the bonds required by section 5525.16 of the Revised Code. In the event the contract is awarded to a bidder, and the bidder fails or refuses to furnish the bonds as required by section 5525.16 of the Revised Code, the check, transferred sum, or bid bond filed with the bidder's bid shall be forfeited as liquidated damages. No bidder shall be required either to file a signed contract with the bidder's bid, to enter into a contract, or to furnish the contract performance bond and the payment bond required by that section until the bids have been opened and the bidder has been notified by the director that the bidder is awarded the contract.

The director shall permit a bidder to withdraw the bidder's bid from consideration, without forfeiture of the check, transferred sum, or bid bond filed with the bid, providing a written request together with a sworn statement of the grounds for such withdrawal is delivered within forty-eight hours after the time established for the receipt of bids, and if the price bid was substantially lower than the other bids, providing the bid was submitted in good faith, and the reason for the price bid being substantially lower was a clerical mistake evident on the face of the bid, as opposed to a judgment mistake, and was actually due to an unintentional and substantial arithmetic error or an unintentional omission of a substantial quantity of work, labor, or material made directly in the compilation of the bid. In the event the director decides the conditions for withdrawal have not been met, the director may award the contract to such bidder. If such bidder does not then enter into a contract and furnish the contract bond as required by law, the director may declare forfeited the check, transferred sum, or bid bond as liquidated damages and award the contract to the next higher bidder or reject the remaining bids and readvertise the project for bids. Such bidder may, within thirty days, appeal the decision of the director to the court of common pleas of Franklin county and the court may affirm or reverse the decision of the director and may order the director to refund the amount of the forfeiture. At the hearing before the common pleas court evidence may be introduced for and against the decision of the director. The decision of the common pleas court may be appealed as in other cases.

There is hereby created the ODOT letting fund, which shall be in the custody of the treasurer of state but shall not be part of the state treasury. All certified checks and cashiers' checks received with bidders' bids, and all sums transferred to the treasurer of state by electronic funds transfer in connection with bidders' bids, under

this section shall be credited to the fund. All such bid guaranties shall be held in the fund until a determination is made as to the final disposition of the money. If the department determines that any such bid guaranty is no longer required to be held, the amount of the bid guaranty shall be returned to the appropriate bidder. If the department determines that a bid guaranty under this section shall be forfeited, the amount of the bid guaranty shall be transferred or, in the case of money paid on a forfeited bond, deposited into the state treasury, to the credit of the highway operating fund. Any investment earnings of the ODOT letting fund shall be distributed as the treasurer of state considers appropriate.

The director shall require all bidders to furnish the director, upon such forms as the director may prescribe, detailed information with respect to all pending work of the bidder, whether with the department of transportation or otherwise, together with such other information as the director considers necessary.

In the event a bidder fails to submit anything required to be submitted with the bid and then fails or refuses to so submit such at the request of the director, the failure or refusal constitutes grounds for the director, in the director's discretion, to declare as forfeited the bid guaranty submitted with the bid.

The director may reject any or all bids. Except in regard to contracts for environmental remediation and specialty work for which there are no classes of work set out in the rules adopted by the director, if the director awards the contract, the director shall award it to the lowest competent and responsible bidder as defined by rules adopted by the director under section 5525.05 of the Revised Code, who is qualified to bid under sections 5525.02 to 5525.09 of the Revised Code. In regard to contracts for environmental remediation and specialty work for which there are no classes of work set out in the rules adopted by the director, the director shall competitively bid the projects in accordance with this chapter and shall award the contracts to the lowest and best bidder.

The award for all projects competitively let by the director under this section shall be made within ten days after the date on which the bids are opened, and the successful bidder shall enter into a contract and furnish a contract performance bond and a payment bond, as provided for in section 5525.16 of the Revised Code, within ten days after the bidder is notified that the bidder has been awarded the contract.

The director may insert in any contract awarded under this chapter a clause providing for value engineering change proposals, under which a contractor who has been awarded a contract may propose a change in the plans and specifications of the project that saves the department time or money on the project without impairing any of the essential functions and characteristics of the project such as service life, reliability, economy of operation, ease of maintenance, safety, and necessary standardized features. If the director adopts the value engineering proposal, the savings from the proposal shall be divided between the department and the contractor according to guidelines established by the director, provided that the contractor shall receive at least fifty per cent of the savings from the proposal. The adoption of a value engineering proposal does not invalidate the award of the contract or require the director to rebid the project.

Effective Date: 03-13-1997; 03-29-2005; 2008 HB562 09-22-2008