

DEPARTMENT OF TRANSPORTATION
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January 4, 2002

08-SBd-15-R221.0/262.5
08-4047U4
ACIM-015-3(039)242N

Addendum No. 9

Dear Contractor:

This addendum is being issued to the contract for construction on State highway in SAN BERNARDINO COUNTY NEAR BAKER FROM 1.9 km WEST OF EAST BAKER OVERCROSSING TO 0.6 km EAST OF CIMA ROAD OVERCROSSING.

Submit bids for this work with the understanding and full consideration of this addendum. The revisions declared in this addendum are an essential part of the contract.

Bids for this work will be opened on February 14, 2002. The original bid opening date was previously postponed indefinitely under Addendum No. 8 dated November 26, 2001.

This addendum is being issued to set a new bid opening date as shown herein and revise the Project Plans, the Notice to Contractors and Special Provisions and the Federal Minimum Wages with Modification Number 16 dated 12-28-01. A copy of the modified wage rates are available for the contractor's use on the Internet Site:

http://www.dot.ca.gov/hq/esc/oe/weekly_ads/addendum_page.html

Project Plan Sheets 2, 164 and 354 are revised. Half-sized copies of the revised sheets are attached for substitution for the like-numbered sheets.

In the Special Provisions, Section 10-1.42, "CONCRETE PAVEMENT (WITH DOWELED TRANSVERSE WEAKENED PLANE JOINTS)," is replaced with new Section 10-1.42, as attached.

In the Special Provisions, Section 10-1.62, "TORTOISE FENCE," the first sentence of the first paragraph is revised to read:

"Tortoise fence shall be furnished and constructed as shown on the plans, as specified in these special provisions and as directed by the Engineer."

In the Special Provisions, Section 11-2, "PORTLAND CEMENT CONCRETE," in the subsection 90-1.01, "DESCRIPTION," the second paragraph is revised to read:

"The Contractor shall determine the mix proportions for all concrete, including pavement concrete. Concrete for which mix proportions are determined by the Contractor shall conform to the requirements of this Section 90, and be approved by the Engineer as specified elsewhere in these special provisions."

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To Proposal and Contract book holders:

Indicate receipt of this addendum by filling in the number of this addendum in the space provided on the signature page of the proposal.

Submit bids in the Proposal and Contract book you now possess. Holders who have already mailed their book will be contacted to arrange for the return of their book.

Inform subcontractors and suppliers as necessary.

This office is sending this addendum by UPS overnight mail to Proposal and Contract book holders to ensure that each receives it.

If you are not a Proposal and Contract book holder, but request a book to bid on this project, you must comply with the requirements of this letter before submitting your bid.

Sincerely,

ORIGINAL SIGNED BY

REBECCA D. HARNAGEL, Chief
Office of Plans, Specifications & Estimates
Office Engineer

Attachments

10-1.42 CONCRETE PAVEMENT (WITH DOWELED TRANSVERSE WEAKENED PLANE JOINTS)

GENERAL

Portland cement concrete pavement shall conform to the provisions in Section 40, "Portland Cement Concrete Pavement," of the Standard Specifications and these special provisions.

Insert method for forming joints in pavement shall not be used.

A layer of asphalt concrete (Type B) 15 mm thick shall be placed under portland cement concrete pavement to be paved on cold planed asphalt concrete surfacing.

Attention is directed to "Asphalt Concrete (Type B)," of these special provisions.

PREPAVING CONFERENCE

Supervisory personnel of the Contractor and any subcontractor who are to be involved in the concrete paving work shall meet with the Engineer at a prepping conference, at a mutually agreed time, to discuss methods of accomplishing all phases of the paving work.

The Contractor shall provide the facility for the prepping conference. Attendance at the prepping conference is mandatory for the Contractor's project superintendent, paving construction foreman, paving subcontractors, concrete plant operations personnel (including plant supervisors, manager, and operator) and paving operators. All conference attendees will sign an attendance sheet provided by the Engineer. Production and placement shall not begin nor proceed unless the above-mentioned personnel have attended the mandatory prepping conference.

The above-mentioned personnel along with the Engineer's representatives shall attend a 4-hour training class on portland cement concrete and paving techniques as part of the prepping conference. This training class time will be in addition to the regular conference time. The class shall be scheduled no more than 2 weeks prior to the placement of portland cement concrete pavement. The class shall be held during normal working hours. Selection of the instructor of the class shall be as agreed to by the Engineer and the Contractor.

TEST STRIP

At the beginning of paving operations, the Contractor shall construct an initial test strip of concrete pavement at least 200 meters, but not more than 300 meters, in length at the specified paving width. If the test strip conforms to specifications, it will become part of the project's paving surface and will be measured and paid for as concrete pavement and seal pavement joint. The Engineer will determine the specified paving width. The Contractor shall use the same equipment for the remainder of the paving operations. The Contractor shall not perform further paving until the test strip is evaluated in conformance with the provisions in Section 40-1.10, "Final Finishing," of the Standard Specifications regarding surface straight edge and profile requirements; for dowel and tie bar alignment verification; concrete quality; and pavement thickness. An additional test strip will be required when:

1. The Contractor proposes using different paving equipment including the batch plant, paver, dowel inserter, tie bar inserter, tining, or curing equipment, or
2. Any portion of a test strip fails to conform to the provisions in Section 40-1.10, "Final Finishing," of the Standard Specifications for straight edge and profile requirements without the use of grinding or other corrective method, or
3. The dowel tolerances are not met, or
4. The pavement thickness deficiency is greater than 15 mm, or
5. A change in concrete mix design has occurred.

The Contractor shall perform coring of the test strips, as directed by the Engineer, as part of the dowel or tie bar placement tolerance verification. A minimum of six dowel bars shall be cored for each test strip. After removal of cores, voids in concrete pavement shall be cleaned and filled with hydraulic cement grout conforming to the provisions in "Core Drilling for Dowel Placement Alignment Assurance Testing" of these special provisions.

Regardless of the placement method [load transfer assemblies (dowel baskets) or mechanical inserters] chosen by the Contractor, after the initial test strip is placed, operations shall be suspended until the Engineer has sufficient time to inspect dowel positioning to insure that proper alignment of dowels is being achieved. Dowel alignment tolerance allowance shall be in conformance to the requirements of these special provisions.

If mechanical inserters are to be used, the Contractor shall demonstrate that the insertion equipment will not leave surface irregularities such as depressions, dips, or high areas adjacent to the dowel insertion point.

Prior to placement of the test strip, the Contractor shall submit a written procedure to locate transverse weakened plane joints that will coincide with the center of the dowels being placed. This procedure shall take into account inadvertent covering of paint markings after applying curing compound, misalignment by transferring marking spots, and inadequate staking of joints.

The Contractor shall change methods or equipment and construct additional test strips until a test strip conforms to the provisions in Section 40-1.10, "Final Finishing," of the Standard Specifications, and dowel bar alignment verification, without grinding or other corrective work. Each additional test strip shall be limited to 200 meters in length.

If test strip fails to conform to the specifications, before grinding, test strip shall be removed at the Contractor's expense. Additional test strips shall be constructed until the Contractor can demonstrate that test strip will conform to the requirements of these specifications.

The Engineer may waive the initial test strip if the Contractor proposes to use a batch plant mixer and paving equipment with the same personnel that were satisfactorily used on a Department project within the preceding 12 months and the mixer has not been altered or moved. The personnel shall be individuals listed in the prepaving conference used on the preceding Department project.

Materials resulting from the construction of all rejected test strips shall become the property of the Contractor and shall be removed and disposed of in conformance with the provisions in Section 7-1.13, "Disposal of Material Outside the Highway Right of Way," of the Standard Specifications.

MATERIALS

Concrete

The Contractor shall design the mix proportions for pavement concrete. Concrete for pavement concrete shall conform to the provisions in Section 90, "Portland Cement Concrete," of the Standard Specifications. The minimum cementitious material content for the mix shall be 300 kg per cubic meter. The mix shall also meet the strength requirements specified in "Pavement Concrete Mix Design" of this special provision.

The combined aggregate grading used in portland cement concrete pavement shall be the 25-mm Max. grading or the 37.5-mm Max. grading.

An air-entraining admixture conforming to the provisions in Section 90-4, "Admixtures," of the Standard Specifications shall be added to the concrete in the amount required to result in an air content of 6 (± 1.5) percent in the freshly mixed concrete.

Tie Bars

Tie bars shall be deformed reinforcing steel bars conforming to the requirements of ASTM Designation: A 615/A 615M, Grade 300 or 420, and shall be epoxy-coated in conformance with the provisions in Section 52-1.02B, "Epoxy-coated Reinforcement," of the Standard Specifications, except that references made to ASTM Designation D 3963 shall be deemed to mean ASTM Designation A 934 or A 775. Epoxy-coated tie bars shall not be bent after installation.

Epoxy

If used, epoxy resin to bond tie bars to existing concrete shall conform to the provisions in Section 95-2.03, "Epoxy Resin Adhesive for Bonding New Concrete to Old Concrete," of the Standard Specifications.

Dowels

Dowels shall be smooth, round, epoxy-coated steel conforming to the requirements of ASTM Designation: A 615/A 615M, Grade 300 or 420, the details shown on the plans and the provisions in Section 52-1.02B, "Epoxy-coated Reinforcement," of the Standard Specifications, except that references made to ASTM Designation D 3963/D 3963M shall be deemed to mean ASTM Designation A 934/A 934M.

Dowels shall be plain, smooth, round bars. Dowels shall be free from burrs or other deformations detrimental to free movement of the bars in the concrete.

Bond Breaker

Dowels shall be lubricated with a bond breaker over the entire bar. A bond breaker application of petroleum paraffin based lubricant or white pigmented curing compound shall be used to coat the dowels completely prior to placement. Oil and asphalt based bond breakers shall not be used. Paraffin based lubricant shall be Dayton Superior DSC BB-Coat or Valvoline Tectyl 506 or an approved equal. Paraffin based lubricant shall be factory applied. White pigmented curing compound shall conform to the requirements of ASTM Designation: C309, Type 2, Class A, and shall contain 22 percent minimum nonvolatile vehicles consisting of at least 50 percent paraffin wax. Curing compound shall be applied in two separate applications. Each application of curing compound shall be applied at the approximate rate of one liter per 3.7 m².

Load Transfer Assemblies (Dowel Basket)

Load transfer assemblies shall be manufactured with a minimum welded wire gage number of 3/0 (9.2 mm). Assemblies shall be either a U- or a A-frame. J-frame shapes shall not be used. Assemblies shall be fabricated in conformance with the requirements of ASTM Designation: A 82. Welding of assemblies shall conform to the requirements of AWS D1.1. A broken weld will be a cause for rejection of the assembly. Assemblies shall be epoxy coated in conformance with the requirements of ASTM Designation: A 884/A 884M.

Wire for staking pins shall conform to the requirements of ASTM Designation: A 82. Staking pins shall not be less than 7 mm wire diameter.

Concrete fasteners shall be driven fasteners (concrete nails) used specifically for fastening to hardened concrete conforming to the requirements of ASTM Designation: F1667. Shank diameter shall be a minimum of 4 mm with a minimum shank length of 64 mm. Clips shall be commercial quality manufactured for use with dowel assemblies.

Surface of staking pins, concrete fasteners and clips shall be either zinc electroplated or galvanized with a minimum coating thickness of 0.005 mm.

Preformed Compression Joint Sealant

Preformed compression seals shall conform to the requirements of ASTM Designation: D 2628. All preformed compression seals shall have 5 or 6 cells. Lubricant adhesive used with preformed compression seals shall conform to the requirements of ASTM Designation D 2835. Compression seals along with lubricant adhesive shall be installed in conformance with the manufacturer's recommendations. The manufacturer's recommendations shall be submitted to the Engineer at the prepping conference.

Each lot of compression seal and lubricant adhesive shall be accompanied by a Certificate of Compliance in conformance with the provisions in Section 6-1.07, "Certificates of Compliance," of the Standard Specifications, and shall be accompanied with storage instructions and precautionary instructions for use. The Contractor shall also submit the manufacturer's data sheet with installation instructions and recommended model or type of preformed compression seal for the joint size and depth as shown on the plans. The manufacturer's selected compression seal shall show evidence that the seal is being compressed at level between 20 and 50 percent at all times for the joint width and depth shown on the plans.

SUBMITTALS

Samples of the following materials used in the work shall be submitted for the Engineer's approval, 10 days prior to installation or placement of the materials:

- Dowel Bars
- Bond Breaker
- Tie Bars
- Epoxy
- Load Transfer Assemblies
- Staking Pins
- Concrete Nails and clips
- Joint Sealant
- Backer Rods
- Joint Filler Material

PAVEMENT CONCRETE MIX DESIGN

At least 60 days prior to use, the Contractor shall submit the proposed pavement concrete mix design and furnish samples of aggregates, admixtures and cementitious materials, in the quantities ordered by the Engineer, from the sources the Contractor proposes to use for the project. The samples shall have been processed in a manner representative of the processing to be used during the work. The Contractor shall submit test results for at least three separate batches of concrete that together achieved an average modulus of rupture of at least 4.5 MPa at 42 days. Modulus of rupture at 14 and 28 days shall be determined and reported. Each batch shall have three beams tested in conformance with the requirements of AASHTO Designation: T97 at the required ages. The submittal shall show the batches were mixed in the proposed proportions on separate days. All trial batches shall be performed within 24 months of first intended use of the proposed pavement concrete mix design on this contract by a laboratory that participates in the Cement and Concrete Reference Laboratory (CCRL) proficiency sample program. The laboratory shall have participated in the 2 most recent sample pairs and shall have performed all prescribed tests. The laboratory shall have attained proficiency sample results within 2 standard deviations of the grand average for each rated test. Copies of proficiency sample rating sheets from CCRL shall be included in the submittal. Should the Contractor change any source of supply or proportions, the Contractor shall submit a new proposed mix design and furnish samples from the new source, or sources, at least 60 days prior to their intended use.

INSTALLING TIE BARS

Tie bars shall be installed at longitudinal contact joints and longitudinal weakened plane joints as shown on the plans. In no case, shall any consecutive width of new portland cement concrete pavement tied together with tie bars exceed 15 meters. In no case shall tie bars be used at a joint where portland cement concrete and asphalt concrete pavements abut.

Tie bars shall be installed at longitudinal joints by one of the 3 following methods:

1. Drilling and bonding tie bars with epoxy shall conform to the details shown on the plans. Epoxy shall be a two-component, epoxy-resin, conforming to the requirements of ASTM Designation: C 881, Type V, Grade 3 (None-Sagging). The class used shall be dependent on the internal temperature of the existing hardened concrete at the time of tie bar installation as follows: Class A for below 4.5°C, Class B for 4.5°C to 15.5°C, and Class C for above 15.5°C. Epoxy shall be accompanied by a Certificate of Compliance in conformance with the provisions in Section 6-1.07, "Certificates of Compliance," of the Standard Specifications. A copy of the manufacturer's recommended installation procedure shall be provided to the Engineer at least 7 days prior to the start of work or at the prepping conference, whichever occurs first. The drilled holes shall be cleaned in conformance with the epoxy manufacturer's instructions and shall be dry at the time of placing the epoxy and tie bars. Immediately after inserting the tie bars into the epoxy, the tie bars shall be supported as necessary to prevent movement during the curing and shall remain undisturbed until the epoxy has cured a minimum time as specified by the manufacturer. Tie bars that are improperly bonded, as determined by the Engineer, will be rejected. If rejected, adjacent new holes shall be drilled, as directed by the Engineer, and new tie bars shall be placed and securely bonded to the concrete. All work necessary to correct improperly bonded tie bars shall be performed at the Contractor's expense.
2. By inserting the tie bars into the plastic slipformed concrete before finishing the concrete. Inserted tie bars shall have full contact between the bar and the concrete. When tie bars are inserted through the pavement surface, the concrete over the tie bars shall be reworked and refinished to such an extent that there is no evidence on the surface of the completed pavement that there has been any insertion performed. Any loose tie bars shall be replaced by drilling and grouting into place with epoxy as described in method 1 above at the Contractor's expense.
3. By using threaded dowel splice couplers fabricated from deformed bar reinforcement material, free of external welding or machining. Threaded dowel splice couplers shall be accompanied by a Certificate of Compliance in conformance with the provisions in Section 6-1.07, "Certificates of Compliance," of the Standard Specifications, and shall be accompanied with installation instructions. The Certificate of Compliance shall be provided to the Engineer at the prepping conference. Installation of threaded dowel splice couplers shall conform to the requirements of the manufacturer's recommendations.

DOWEL PLACEMENT

Dowels at transverse weakened plane joints and at transverse contact joints shall be placed as shown on the plans. Prior to placement of the dowels, the Contractor shall submit to the Engineer in writing, a daily procedure to identify the transverse weakened plane joint location relative to the middle of the dowel bars. This procedure shall be verified by either coring, or any other method that is approved by the Engineer. Saw cuts for transverse weakened plane joints that are not directly over the center of the dowel bar (tolerance ± 25 mm) will be rejected and shall be corrected in conformance with "Core Drilling for Dowel Placement Alignment Assurance Testing" of these special provisions.

Dowels shall be placed by using load transfer assemblies (dowel baskets) or by mechanical insertion. Dowels shall be oriented parallel to the pavement lane centerline and surface of the pavement at mid slab depth. Dowel alignment shall be ± 6 mm per 300 mm of dowel length in both horizontal and vertical planes.

When dowels are placed by mechanical insertion, the concrete over the dowels shall be reworked and refinished to such an extent that there is no evidence on the surface of the completed pavement that there has been any insertion performed. When load transfer assemblies (dowel baskets) are used, they shall be securely anchored firmly to the base to hold all the dowel bars at the specified depth and alignment during concrete placement without displacement. For granular or non-stabilized bases, a minimum of 8 alternating, equally spaced, steel staking pins with a welded hook shall be used to anchor each 3.6 m assembly (4 per lower runner wire). Staking pins shall penetrate at least 300 mm into the granular base. For stabilized base such as cement treated base or lean concrete base, a minimum of 8 alternating, equally spaced, concrete fasteners with clips shall be used to anchor each 3.6 m assembly (4 per lower runner wire). At least 10 staking pins or concrete fasteners shall be used for assembly sections greater than 3.6 m and less than or equal to 4.9 m. Temporary spacer wires connecting load transfer assemblies shall be cut or removed after the assemblies are anchored into position prior to concrete placement. Paving shall be suspended when approved assemblies are not in place at least 60 m in advance of the concrete placement operation. The Engineer may waive this requirement upon written request by the Contractor, in areas where access is restricted, or other construction limitations are encountered.

If load transfer assemblies are to be used, the Contractor shall submit working drawings in conformance with the provisions in Section 5-1.02, "Plans and Working Drawings," of the Standard Specifications. The Contractor shall submit the working drawings 14 days prior to installation or at the paving conference.

Approval of the initial placement of load transfer assemblies shall not constitute acceptance of the final position of the dowel bars.

CORE DRILLING FOR DOWEL PLACEMENT ALIGNMENT ASSURANCE TESTING

Coring, to confirm dowel placement, shall be provided by the Contractor throughout the project and, as directed by the Engineer. Immediately after coring, the concrete cores shall be identified by the Contractor with a location description and submitted to the Engineer for inspection. The holes shall be cored by methods that will not shatter or damage the concrete adjacent to the holes.

After removal of cores, core hole voids in concrete pavement shall be cleaned and filled with hydraulic cement grout conforming to ASTM Designation: C1107. At the Contractor's option, the grout shall be extended with clean pea gravel by an amount not exceeding that printed on the grout's packaging.

After placement of hydraulic cement grout, the material while still plastic shall be trowelled smooth to match the pavement surface. The backfill material shall not manifest any depressions or surplus material above the level surface of the pavement.

Water for core drilling operations shall be from a local domestic water supply. Water used for coring shall not contain more than 1000 parts per million of chlorides as Cl, nor more than 1300 parts per million of sulfates as SO_4 , nor shall it contain any impurities in a sufficient amount to cause discoloration of the concrete or produce etching of the surface.

Water from core drilling operations shall not be permitted to fall on public traffic, to flow across shoulders or lanes occupied by public traffic, or to flow into gutters or other drainage facilities.

The Engineer will randomly check dowel positioning by coring or other methods. Each day's paving will be checked by the Engineer within 2 calendar days by performing one test for every 1670 square meters of doweled pavement or fraction thereof. One test shall consist of drilling 2 cores, one on each end of a dowel bar to expose both ends and allow measurement for proper alignment. If the dowel bars are located incorrectly or air voids exist surrounding the dowel bars, additional cores will be required to determine the severity. The Engineer will select the location for performing the test.

Dowel alignment shall conform to the specified tolerances. If at any time dowels are found to be installed improperly, the paving operations will be suspended and operations shall not begin until the Contractor has demonstrated to the Engineer that the problem which causes the improper dowel positioning has been corrected.

Joints containing dowels that do not conform to specifications will be rejected. The Contractor shall replace rejected joints by saw cutting on each side of the joint a minimum of 0.9-m, lifting out concrete to be removed, installing dowels, placing concrete, and installing new joints. New dowel holes shall be drilled by the use of an automatic dowel-drilling rig for the dowels to be installed at the contact joint. Dowels shall be placed at the locations as shown on the plans for 2 new contact joints. No additional payment will be made for replacement of slabs and joints required due to joints (dowel placement) not conforming to the specified tolerances.

PREFORMED COMPRESSION JOINT SEAL INSTALLATION

The compression seal alternative joint detail for transverse and longitudinal joints, as shown on the plans, shall apply only to weakened plane joints. Weakened plane joints shall be constructed by the sawing method. Should grinding or grooving be required over or adjacent to any joint after the compression seal has been placed, the joint materials shall be completely removed and disposed of, and replaced at the Contractor's expense. Compression seal shall be recessed below the final finished surface as shown on the plans.

At the Contractor's option, transverse weakened plane joints shall be either Type DSC or Type SSC as shown on the plans. Longitudinal weakened plane joints shall be Type SSC only as shown on the plans.

Seven days after the concrete pavement placement and not more than 4 hours before placing preformed compression joint seals, the joint walls shall be cleaned by the dry sand blast method and other means as necessary to completely remove from the joint all objectionable material such as soil, asphalt, curing compound, paint and rust. After cleaning the joint, all traces of sand, dust and loose material shall be removed from and near the joint for a distance along the pavement surfaces of at least 50 mm on each side of the joint by the use of a vacuum device. Surface moisture shall be removed at the joints by means of compressed air or moderate hot compressed air or other means approved by the Engineer. Drying procedures that leave a residue or film on the joint wall shall not be used. Sandblasting equipment shall have a maximum nozzle diameter size of 6 ± 1 mm and a minimum pressure of 0.62-MPa.

CONSTRUCTING TRANSVERSE CONTACT JOINTS

A transverse (contact) construction joint shall be constructed at the end of each day's work or where concrete placement is interrupted for more than 30 minutes, to coincide with the next weakened plane joint location.

If sufficient concrete has not been mixed to form a slab to match the next weakened plane joint, when an interruption occurs, the excess concrete shall be removed and disposed of back to the last preceding joint. The cost of removing and disposing of any excess concrete shall be at the Contractor's expense. Any excess material shall become the property of the Contractor and shall be properly disposed of.

A metal or wooden bulkhead (header) shall be used to form the joint. The bulkhead shall be designed to accommodate the installation of dowel bars.

MEASUREMENT AND PAYMENT

Sealing longitudinal and transverse weakened plane joints, and longitudinal isolation joints in portland cement concrete pavement will be measured by the meter.

The contract price paid per meter for seal pavement joint shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in sealing pavement joints complete in place, including sawing, cleaning and preparing the joints in the concrete pavement, furnishing and installing compression seals, repairing and patching spalled or raveled sawed joints, and replacing or repairing rejected joints, as shown on the plans, as specified in the Standard Specifications and these special provisions, and as directed by the Engineer.

Concrete pavement will be measured and paid for in the same manner specified for concrete pavement in Section 40-1.13, "Measurement," Section 40-1.14, "Payment," of the Standard Specifications, except that the amount of cement will be determined by the Contractor.

Full compensation for cementitious material conforming to the provisions of Section 90-1.01, "Description," of the Standard Specifications, in the amount determined by the Contractor in conformance with this section of the special provisions, will be considered as included in the contract price paid per cubic meter for concrete pavement and no additional compensation will be allowed therefore.

Full compensation for furnishing and placing epoxy-coated tie bars and lubricated epoxy-coated dowels with epoxy-coated dowel assemblies with fasteners or staking pins in portland cement concrete pavement shall be considered as included in the contract price paid per cubic meter for concrete pavement and no separate payment will be made therefor.

Full compensation for drilling holes and bonding tie bars with epoxy resin shall be considered as included in the contract price paid per cubic meter for concrete pavement and no additional compensation will be allowed therefor.

Full compensation for constructing test strips and coring the test strip shall be considered as included in the contract price paid per cubic meter for concrete pavement and no additional compensation will be allowed therefor.

Full compensation for providing the prepaving conference facility and the required Contractor personnel at the conference, and for doing all the work involved in arranging for the prepaving conference (except for the costs involved in providing an instructor for the training class) shall be considered as included in the contract price paid per cubic meter for concrete pavement and no additional compensation will be allowed therefor.

The costs involved in providing an instructor at the 4-hour training class as part of the prepaving conference will be paid for as extra work in conformance with the provisions in Section 4-1.03D, "Extra Work," of the Standard Specifications except that if payment is made by force account as provided in Section 9-1.03, "Force Account Payment," of the Standard Specifications, no markups will be added to the costs involved.

Full compensation for core drilling and backfilling with hydraulic cement grout shall be included in the contract price per cubic meter for concrete pavement and no additional compensation will be allowed therefor.

If the cores show that the dowels are within alignment tolerances and the Engineer orders more dowel coring than the one test for every 1670 square meter of doweled pavement, the additional cores will be paid for as extra work in conformance with the provisions in Section 4-1.03D, "Extra Work," of the Standard Specifications.

If the cores show the dowels are out of alignment and the Engineer orders more dowel coring, the additional drilling for the cores shall be included in the contract price per cubic meter for concrete pavement and no additional compensation will be allowed therefor.