

NOTIFICATION OF ADDENDUM

ADDENDUM NO. 1

DATED 7/01/2015

Control	1721-02-012
Project	STP 1502(478)HES
Highway	FM 1094
County	AUSTIN

Ladies/Gentlemen:

Attached please find an addendum on the above captioned project. Included in the attachment is an addendum notification which details the changes and the respective proposal pages which were added and/or changed.

Except for new bid insert pages, it is unnecessary to return any of the pages attached.

Bid insert pages must be returned with the bid proposal submitted to the Department, unless your firm is submitting a bid using a computer print out. The computer print out must be changed to reflect the new bid item information.

Contractors and material suppliers, etc. who have previously been furnished informational proposals are not being furnished a copy of the addendum. If you have a subcontractor on the above project, please advise them of this addendum. Acknowledgment of this addendum is not requested if your company has been issued a proposal stamped "This Proposal Issued for Informational Purposes."

You are required to acknowledge receipt of this addendum on the Addendum Acknowledgement form contained in your bid proposal by placing a mark in the box next to the respective addendum.

Failure to Acknowledge receipt of this addendum in your bid proposal will result in your bid not being read.

SUBJECT: PLANS AND PROPOSAL ADDENDUMS
PROJECT: STP 1502(478)HES CONTROL: 1721-02-012
COUNTY: AUSTIN
LETTING: 07/08/2015
REFERENCE NO: 0630

PROPOSAL ADDENDUMS

- _ PROPOSAL COVER
X BID INSERTS (SH. NO.: 1)
X GENERAL NOTES (SH. NO.: C)

_ SPEC LIST (SH. NO.:)
_ SPECIAL PROVISIONS:)
_ ADDED:)

DELETED:

_ SPECIAL SPECIFICATIONS:
_ ADDED:

DELETED:

X OTHER: PLAN SHEET AND OTHER CHANGES

DESCRIPTION OF ABOVE CHANGES
(INCLUDING PLANS SHEET CHANGES)

***** BID INSERTS *****

SHEET 1: CHANGED ITEM 150 QUANTITY AND UNIT OF MEASURE.

***** GENERAL NOTES *****

SHEET C: DELETED ITEM 110 NOTE AND ADDED ITEM 150 NOTE.

***** PLAN SHEETS *****

SHEET 6: REMOVED ITEM 110 NOTE AND ADDED ITEM 150 NOTE.

SHEET 10: CHANGED ITEM 150 QUANTITY AND UNIT OF MEASURE.

SHEET 13: CHANGED ITEM 150 QUANTITY AND UNIT OF MEASURE.

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	110	6001		EXCAVATION (ROADWAY) DOLLARS and CENTS	CY	552.000	1
	132	6005		EMBANKMENT (FINAL)(ORD COMP)(TY C) DOLLARS and CENTS	CY	13,840.000	2
	132	6021		EMBANKMENT (VEHICLE)(ORD COMP)(TY C) DOLLARS and CENTS	CY	500.000	3
	150	6001		BLADING DOLLARS and CENTS	STA	356.360	4
	164	6022		CELL FBR MLCH SEED(PERM)(RURAL)(SANDY) DOLLARS and CENTS	AC	38.200	5
	164	6030		CELL FBR MLCH SEED(TEMP)(WARM) DOLLARS and CENTS	AC	9.600	6
	164	6032		CELL FBR MLCH SEED(TEMP)(COOL) DOLLARS and CENTS	AC	9.600	7
	168	6001		VEGETATIVE WATERING DOLLARS and CENTS	MG	1,556.300	8
	247	6057		FL BS (CMP IN PLC)(TYE GR1-2)(FNAL POS) DOLLARS and CENTS	CY	19,060.000	9
	275	6001		CEMENT DOLLARS and CENTS	TON	1,147.000	10
	275	6002		CEMENT TREAT (EXIST MATL) (6") DOLLARS and CENTS	SY	125,908.000	11

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	316	6029		ASPH (RC-250) DOLLARS and CENTS	GAL	22,354.000	12
	316	6202		AGGR(TY-E GR-5 SAC-B) DOLLARS and CENTS	CY	799.000	13
	316	6246		AGGR(TY-PE GR-3 SAC-B) DOLLARS and CENTS	CY	1,316.000	14
	316	6249		AGGR(TY-PE GR-4 SAC-B) DOLLARS and CENTS	CY	664.000	15
	316	6400		ASPH (AC-15P OR AC-10-2TR OR CRS-2P) DOLLARS and CENTS	GAL	74,105.000	16
	341	6042		D-GR HMA TY-D SAC-B PG70-22 DOLLARS and CENTS	TON	2,052.000	17
	351	6004		FLEXIBLE PAVEMENT STRUCTURE REPAIR(8") DOLLARS and CENTS	SY	4,625.000	18
	400	6005		CEM STABIL BKFL DOLLARS and CENTS	CY	12.100	19
	403	6001		TEMPORARY SPL SHORING DOLLARS and CENTS	SF	1,310.000	20
	432	6002		RIPRAP (CONC)(5 IN) DOLLARS and CENTS	CY	53.600	21
	432	6024		RIPRAP (STONE COMMON)(DRY)(12 IN) DOLLARS and CENTS	CY	17.000	22
	462	6006		CONC BOX CULV (5 FT X 2 FT) DOLLARS and CENTS	LF	40.000	23

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	462	6007		CONC BOX CULV (5 FT X 3 FT) DOLLARS and CENTS	LF	76.000	24
	464	6003		RC PIPE (CL III)(18 IN) DOLLARS and CENTS	LF	98.000	25
	464	6005		RC PIPE (CL III)(24 IN) DOLLARS and CENTS	LF	14.000	26
	467	6172		SET (TY I)(S= 5 FT)(HW= 3 FT)(4:1) (C) DOLLARS and CENTS	EA	10.000	27
	467	6177		SET (TY I)(S= 5 FT)(HW= 4 FT)(4:1) (C) DOLLARS and CENTS	EA	26.000	28
	467	6358		SET (TY II) (18 IN) (RCP) (4: 1) (C) DOLLARS and CENTS	EA	1.000	29
	467	6362		SET (TY II) (18 IN) (RCP) (6: 1) (C) DOLLARS and CENTS	EA	7.000	30
	467	6363		SET (TY II) (18 IN) (RCP) (6: 1) (P) DOLLARS and CENTS	EA	16.000	31
	467	6390		SET (TY II) (24 IN) (RCP) (4: 1) (C) DOLLARS and CENTS	EA	8.000	32
	467	6394		SET (TY II) (24 IN) (RCP) (6: 1) (C) DOLLARS and CENTS	EA	24.000	33
	496	6016		REMOV STR (PIPE) DOLLARS and CENTS	EA	3.000	34
	500	6001		MOBILIZATION DOLLARS and CENTS	LS	1.000	35

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	502	6001		BARRICADES, SIGNS AND TRAFFIC HAN- DLING DOLLARS and CENTS	MO	10.000	36
	506	6001	001	ROCK FILTER DAMS (INSTALL) (TY 1) DOLLARS and CENTS	LF	50.000	37
	506	6011	001	ROCK FILTER DAMS (REMOVE) DOLLARS and CENTS	LF	50.000	38
	506	6038	001	TEMP SEDMT CONT FENCE (INSTALL) DOLLARS and CENTS	LF	4,390.000	39
	506	6039	001	TEMP SEDMT CONT FENCE (REMOVE) DOLLARS and CENTS	LF	4,390.000	40
	530	6002		INTERSECTIONS (ACP) DOLLARS and CENTS	SY	910.000	41
	530	6004		DRIVEWAYS (CONC) DOLLARS and CENTS	SY	343.000	42
	530	6006		DRIVEWAYS (SURF TREAT) DOLLARS and CENTS	SY	5,123.000	43
	530	6009		TURNOUTS (SURF TREAT) DOLLARS and CENTS	SY	1,890.000	44
	560	6007		MAILBOX INSTALL-S (WC-POST) TY 3 DOLLARS and CENTS	EA	52.000	45
	560	6008		MAILBOX INSTALL-D (WC-POST) TY 3 DOLLARS and CENTS	EA	8.000	46
	560	6013		MAILBOX INSTALL-M (TWW-POST) TY 4 DOLLARS and CENTS	EA	3.000	47

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	644	6001		IN SM RD SN SUP&AM TY10BWG(1)SA(P) DOLLARS and CENTS	EA	2.000	48
	644	6007		IN SM RD SN SUP&AM TY10BWG(1)SA(U) DOLLARS and CENTS	EA	4.000	49
	644	6060		IN SM RD SN SUP&AM TYTWT(1)WS(P) DOLLARS and CENTS	EA	36.000	50
	644	6061		IN SM RD SN SUP&AM TYTWT(1)WS(T) DOLLARS and CENTS	EA	11.000	51
	644	6076		REMOVE SM RD SN SUP&AM DOLLARS and CENTS	EA	53.000	52
	658	6011		INSTL DEL ASSM (D-SW)SZ 2(WC)GND(BI) DOLLARS and CENTS	EA	14.000	53
	658	6049		INSTL OM ASSM (OM-2Z)(FLX)GND(BI) DOLLARS and CENTS	EA	46.000	54
	658	6060		REMOVE DELIN & OBJECT MARKER ASSMS DOLLARS and CENTS	EA	51.000	55
	662	6004		WK ZN PAV MRK NON-REMOV (W)4"(SLD) DOLLARS and CENTS	LF	142,544.000	56
	662	6032		WK ZN PAV MRK NON-REMOV (Y)4"(BRK) DOLLARS and CENTS	LF	15,538.000	57
	662	6034		WK ZN PAV MRK NON-REMOV (Y)4"(SLD) DOLLARS and CENTS	LF	44,422.000	58
	662	6111		WK ZN PAV MRK SHT TERM (TAB)TY Y-2 DOLLARS and CENTS	EA	2,969.000	59

ALT	ITEM-CODE			UNIT BID PRICE ONLY. WRITTEN IN WORDS	UNIT	APPROX QUANTITIES	DEPT USE ONLY
	ITEM NO	DESC CODE	S.P. NO.				
	666	6303		RE PM W/RET REQ TY I (W)4"(SLD)(100MIL) DOLLARS and CENTS	LF	16,272.000	60
	666	6312		RE PM W/RET REQ TY I (Y)4"(BRK)(100MIL) DOLLARS and CENTS	LF	2,055.000	61
	666	6315		RE PM W/RET REQ TY I (Y)4"(SLD)(100MIL) DOLLARS and CENTS	LF	4,317.000	62
	666	6342		REF PROF PAV MRK TY I(W)4"(SLD)(100MIL) DOLLARS and CENTS	LF	55,000.000	63
	666	6344		REF PROF PAV MRK TY I(Y)4"(BRK)(100MIL) DOLLARS and CENTS	LF	5,715.000	64
	666	6345		REF PROF PAV MRK TY I(Y)4"(SLD)(100MIL) DOLLARS and CENTS	LF	17,894.000	65
	668	6076		PREFAB PAV MRK TY C (W) (24") (SLD) DOLLARS and CENTS	LF	56.000	66
	672	6009		REFL PAV MRKR TY II-A-A DOLLARS and CENTS	EA	666.000	67
	672	6018		TRAFFIC BUTTON TY B DOLLARS and CENTS	EA	5,526.000	68

Project Number:

Sheet:

County: Austin

Control: 1721-02-012

Highway: FM 1094

GENERAL NOTES:

Remove and dispose of existing raised pavement markers as directed. All work involved in the removal and disposal of these markers will not be paid for directly but shall be considered subsidiary to the various bid items involved.

Do not work on the roadway before sunrise or after sunset.

Leave all traffic lanes open to traffic at night, weekends and holidays unless otherwise approved.

In the event of adverse conditions whereby the roadway will not allow for the safe and efficient passage of two-way traffic, provide for one way traffic as shown on the traffic control plan for one lane roadway. This traffic control plan will remain in effect 24 hours a day until the roadway is considered safe and suitable for two-way traffic. Provide lights to illuminate flaggers and work area during night time operations. Class 3 garments will be required for all workers and flaggers during nighttime work.

The following standard detail sheets have been modified:
SETB-FW-S (MOD)

Furnish a certified copy of the legal gross weight of each vehicle hauling materials by weight and certified measurements for all trucks hauling material by volume.

Unless otherwise approved, maintain a minimum safety clearance from the edge of the travelway for material stockpiled in proximity of traffic lanes based on the current average traffic count of the particular highway as follows:

0 - 1500 = 16 feet
Over 1500 = 30 feet

In the event the above requirements cannot be met, make arrangements to stockpile material off the right of way.

The Department will provide the cylinder testing machine for this project. Deliver the test specimens to the engineer's curing facilities as directed.

Do not clean out concrete trucks within the right of way.

Project Number:

Sheet:

County: Austin

Control: 1721-02-012

Highway: FM 1094

ITEM 7: LEGAL RELATIONS AND RESPONSIBILITIES

The Contractor Force Account "Safety Contingency" that has been established for this project is intended to be utilized for work zone enhancements, to improve the effectiveness of the Traffic Control Plan, that could not be foreseen in the project planning and design stage. These enhancements will be mutually agreed upon by the Engineer and the Contractor's Responsible Person based on weekly or more frequent traffic management reviews on the project. The Engineer may choose to use existing bid items if it does not slow the implementation of enhancement.

The Contractor's attention is directed to the fact that discharge of permanent or temporary fill material into the waters of the United States (U.S.) including jurisdictional wetlands, as necessary for construction, will require specific approval of the U.S. Army Corps of Engineers (USACE) under Section 404 of the Clean Water Act.

The Department will obtain the appropriate permit(s), Nationwide or Individual, when necessary as dictated by the proposed actions for the project and its potential to affect USACE jurisdictional areas. The Contractor may review the permitted plans at the office of the Area Engineer in charge of construction. The Department will hold the Contractor responsible for following all conditions of the approved permit. If the Contractor cannot work within the limits of this permit(s), then it becomes the Contractor's entire responsibility to consult with the USACE pertaining to the need for changes or amendments to the conditions of the existing permit(s) as originally obtained by the Department.

Particular importance is stressed on the fact that any impacts to USACE jurisdictional waters of the U.S., including jurisdictional wetlands, be the minimum necessary to complete the proposed work. The Contractor shall maintain near normal flow of any jurisdictional waters of the U.S. at all times during construction. If the Contractor needs further explanation of the conditions of the permit, including means of compliance, they may contact the TXDOT Yoakum District Environmental Coordinator.

If the Contractor elects to work on a structure when the stream is flowing, near normal flow shall be maintained by a method approved by the Engineer. Labor and materials involved in this work will not be paid for directly, but will be considered subsidiary to the various bid items of the contract.

ITEM 8: PROSECUTION AND PROGRESS

Provide progress schedule as a Bar Chart.

Project Number:

Sheet:

County: Austin

Control: 1721-02-012

Highway: FM 1094

ITEMS 110 & 132: EXCAVATION AND EMBANKMENT

Furnish Type C embankment consisting of suitable earth material such as loam, clay or other such material that will form a stable embankment and has a plasticity index of at least 15 but not more than 40 unless otherwise approved. Requirements may vary for material excavated under Item 110, "Excavation", as directed.

ITEM 150: BLADING

Sprinkling and rolling which may be required during the operation of Item 150 will not be measured or paid for directly, but will be considered subsidiary to this item.

Remove existing vegetation, including roots and topsoil, within the grading limits to a depth of approximately 2 inches immediately before grading operations begin within any section. Place the material in a windrow on each side of the roadbed, and replace as directed on the completed slopes as soon as practicable. Measurement and payment will be in accordance with Item "Blading".

ITEM 247: FLEXIBLE BASE

Unless otherwise approved, the delivered material's moisture content at most will be two percent above optimum moisture content, determined by TEX-113-E.

Correct 0.1-mi.sections having an average international roughness index (IRI) value greater than 115.0 in. per mile to an IRI value of 115.0 in. per mile or less for each wheelpath from Station 800+00 to Station 1075+00.

Method of correcting 0.1 mile section(s) from Station 800+00 to Station 1075+00 for ride quality shall be approved prior to performing corrective work.

For Type E material, furnish crushed limestone produced and graded from oversize quarried aggregate that originates from a single, naturally occurring source. Do not use gravel or multiple sources.

Uniformly spread and blanket roll all flex base hauled with a pneumatic roller before the end of the day.

Project Number:

Sheet:

County: Austin

Control: 1721-02-012

Highway: FM 1094

Compact the Type E flex base to at least 98.0% of the maximum density determined by TEX-113-E.

**ITEMS 247 & 530: FLEXIBLE BASE & INTERSECTIONS,
DRIVEWAYS AND TURNOUTS**

Density requirements for base in side road entrances and intersections may be waived provided the material is satisfactorily sprinkled and compacted.

ITEM 275: CEMENT TREATMENT (ROAD MIXED)

Pulverize the existing bituminous surface so that 100% of the material passes a 2 inch sieve and incorporate it into the 6 inch base overlay. Provide equipment capable of thoroughly mixing the materials full depth in a single pass.

ITEM 302: AGGREGATES FOR SURFACE TREATMENTS

Furnish Type PE and Type E aggregate consisting of crushed slag, crushed stone or natural limestone rock asphalt.

Furnish precoated aggregate that has a residual bitumen coating target value of 1.0% by weight.

ITEM 316: SEAL COAT

Use an Emulsion instead of an Asphalt Cement as approved when the surface treatment is placed between September 15 and May 1.

The asphalt application rate shown in the plans is an average between an Asphalt Cement and an Emulsion. The type of asphalt and application rate to be used will be as directed. The approximate application rate for Asphalt Cement with a Grade 3 aggregate is 0.32 Gal/SY and with a Grade 4 aggregate is 0.27 Gal/SY. The approximate application rate for an Emulsion with a Grade 3 aggregate is 0.48 Gal/SY and with a Grade 4 aggregate is 0.40 Gal/SY.

Cure any seal coat or one course surface treatment a minimum of three days before the succeeding course is placed unless otherwise directed.

Project Number:

Sheet:

County: Austin

Control: 1721-02-012

Highway: FM 1094

Cure the RC-250 a minimum of seven (7) days prior to placement of the one course surface treatment. Place one course surface treatment no later than fourteen (14) days after placement of the RC-250, unless otherwise directed.

ITEM 320: EQUIPMENT FOR ASPHALT CONCRETE PAVEMENT

Provide a material transfer device capable of transferring mix from the haul trucks to the paver. Monitor its loading such that no damage is done to the existing pavement structures if a material transfer vehicle is used.

Securely attach a waterproof tarpaulin to the top of all trucks hauling ACP, to prevent air flow across the mix, for the duration of all ACP operations.

ITEM 341: DENSE-GRADED HOT-MIX ASPHALT

Mixture designs, using the PG binder originally specified and without additives, failing to meet the requirements of Table 10 will require the addition of a minimum 1.0% of Type A hydrated lime based on dry weight of the total aggregate.

Do not add additional quantity of RAP to stockpiles tested and approved. If additional RAP is added to a stockpile, a new design and trial batch will be required prior to placement on the roadway.

The extracted aggregate from contractor-owned RAP shall have a minimum of 85% two crushed faces when tested in accordance with TEX-460-A, Part I.

Limit uneven pavement to two days production with the requirement that all longitudinal joints adjacent to a travelway are constructed with a joint maker providing a maximum one inch vertical edge (1/2" desirable) with an adjacent 6:1 taper.

ITEM 351: FLEXIBLE PAVEMENT STRUCTURE REPAIR

See the Basis of Estimate for locations. The repairs will consist of the removal and spreading of existing subgrade, base, and surfacing. Replace with 8" Type A Grade 1-2 flex base to transition and conform to the proposed typical sections. All work and materials, including any additional base required to bring the repaired pavement section to its desired depth, will be considered subsidiary to the item "Flexible Pavement Structure Repair".

Project Number:

Sheet:

County: Austin

Control: 1721-02-012

Highway: FM 1094

ITEM 462: CONCRETE BOX CULVERTS AND DRAINS

When extending box culverts, if footings and interior walls are not broken back to expose reinforcement, embed steel dowels into the concrete to splice with the "F" bars of the proposed footing and wall extensions. Embed dowels a minimum of 12" into the new construction to meet the minimum splice requirements of Item 440. Match the number, size and grade of dowel bars to the proposed "F" bars. Epoxy for dowel bar embedment will be as approved. This work will not be paid for directly but will be subsidiary to pertinent items.

ITEMS 464 & 467: REINFORCED CONCRETE PIPE & SAFETY END TREATMENT

If required, concrete collars, as approved, will be used at pipe joints. Collars will be reinforced as directed. No direct compensation will be made for concrete collars and they will be subsidiary to the pertinent items.

ITEM 467: SAFETY END TREATMENT

Precast safety end treatment sections will be allowed. Submit shop drawings for approval prior to use.

Provide reinforced concrete riprap for all pipe safety end treatments, including precast. Round corners on safety end treatment riprap to a minimum 12 inch radius as directed. The riprap will not be paid for directly but will be subsidiary to Item 467.

Provide and use a form along the cut end of the pipe when placing the adjacent reinforced concrete riprap for pipe safety end treatment sections.

Provide a 12" toewall as shown on the precast safety end treatment standards when using precast safety end treatments.

Precast safety end treatment units with integrally cast riprap will not be allowed.

ITEM 502: BARRICADES, SIGNS, AND TRAFFIC HANDLING

All culvert work must be completed prior to performing excavation and embankment within the work area. The contractor will only be allowed to perform culvert work on one side of the roadway at a time, through completion, before starting on the opposite side.

Project Number:

Sheet:

County: Austin

Control: 1721-02-012

Highway: FM 1094

Use the following sequence of work unless otherwise approved:

1. Construct embankment widening on one side of the roadway before moving to the opposite side. Embankment widening shall be completed on both sides each day. Scarify and spread existing material full width, as shown in the proposed typical section, and place 42" cones within the limits of the constructed embankment widening each day.
2. Complete flexible pavement structure repair as necessary.
3. Cement treat existing base.
4. Place new flex base.
5. Place prime coat and pavement markings.
6. Complete shouldering up of embankment and topsoil along with seeding.

Construct Steps 1-6 before proceeding to the next one (1) mile section unless otherwise directed.

Limit work sections to two (2) miles with no more than one (1) mile of roadway unsurfaced unless otherwise directed for all work beginning with scarifying the existing roadway through the one course surface treatment.

Leave 42" cones in place until the pavement edge has been backfilled and a white edge line has been striped after the one course surface treatment

Use WZ(RS)-14 in conjunction with TCP(2-2).

Use TCP (2-2b) for one-lane, two-way traffic control.

When using TCP (2-2b), a pilot car is required to lead traffic through the work space with or without channelizing devices on the center line unless otherwise approved.

When using TCP (2-2b), channelizing devices may be omitted during base, subgrade and seal coat operations unless otherwise directed. Flaggers will be required at public intersections when channelizing devices are omitted.

When using TCP (2-2b), arrow boards, displaying the caution mode, may be used to enhance the flagger stations. If used, place the arrow board in advance of the flagger station a distance of $\frac{1}{2}X$, the sign spacing distance shown on BC(2). Use arrow boards as shown on BC (7).

When using TCP (2-2b), the temporary 24" stop line and the CW16-2P plaques may be omitted.

When using TCP (2-2b), an additional "Road Work Ahead" and "Be Prepared To Stop" signs will be required on each end of the lane closure unless otherwise approved.

Provide trail and lead vehicles when using TCP(3-1) or TCP(3-3).

Project Number:

Sheet:

County: Austin

Control: 1721-02-012

Highway: FM 1094

Utilize TCP(3-3) for sweeping operations or for installing and removing tabs or raised pavement markers.

Provide suitable warning lights mounted high enough to be visible from all directions on all construction equipment, including pilot vehicles, and operate warning lights when the equipment is within the right of way. Equip other equipment such as trucks, trailers, autos, etc., with emergency flashers and use emergency flashers while within the work area.

No additional payment will be made for relocating existing sign assemblies to temporary mounts.

Limit lane closure lengths for seal coat operations to two (2) miles on two lane, two-way highways and three (3) miles on four lane highways. The lane closure length will be determined during construction in urban areas.

Limit the lane closure lengths for ACP operations to one (1) mile on two lane, two-way highways and two (2) miles on four lane highways unless otherwise approved. The lane closure length will be determined during construction in urban areas.

Signs warning of temporary conditions, such as "NO CENTER LINE," "LOOSE GRAVEL," etc., shall only be displayed when conditions are present. Remove or completely cover signs that do not apply to the roadway conditions. These signs may be installed prior to beginning work but shall remain completely covered until the signs are applicable.

In accordance with Article 502.4.2, no payment will be made for the month if the contractor fails to provide or properly maintain signs in compliance with the contract requirements. Temporary warning signs that are visible when conditions do not apply will be considered improper maintenance of signs.

ITEM 504: FIELD OFFICE AND LABORATORY

Provide a Type D structure for the asphalt mix control laboratory for the engineer's exclusive use. Equip the structure with a 240 volt electrical entrance service. The service will consist of a minimum of four 120 volt circuits with 20 amp breakers and at most two grounded convenience outlets per circuit and provisions for a minimum of two 220 volt ovens. Space heaters for heating the structure are unacceptable. Portable structures will be support blocked for stability and will be tied down.

Project Number:

Sheet:

County: Austin

Control: 1721-02-012

Highway: FM 1094

**ITEM 506: TEMPORARY EROSION, SEDIMENTATION,
AND ENVIRONMENTAL CONTROLS**

1. See SW3P plan sheet for total disturbed acreage.
2. The disturbed area in this project, all project locations in the contract, and contractor project specific locations (PSLs), within one (1) mile of the project limits, for the contract will further establish the authorization requirements for storm water discharges.
3. The department will obtain an authorization to discharge storm water from the Texas Commission on Environmental Quality (TCEQ) for the construction activities shown on the plans.
4. Obtain any required authorization from the TCEQ for any contractor PSLs for construction activities on or off right-of-way (ROW).
5. When the total disturbed area for all projects in the contract and PSLs within one (1) mile of the project limits exceeds five (5) acres, provide a copy of the contractor NOI for PSLs on the ROW to the Engineer.
6. Provide a signed sketch detailing the location of any contractor's PSLs on ROW or within one (1) mile of the project.

ITEM 560: MAILBOX ASSEMBLIES

Furnish and place two OM-2Y Object Markers on mailbox supports, one in each direction. These will not be paid for directly but are subsidiary to this item.

Provide 12 inches of clearance from the pavement edge to the mailbox.

ITEM 585: RIDE QUALITY FOR PAVEMENT SURFACES

Pay adjustments for ride quality on travel lanes shall be determined by Schedule 2 from Station 1075+00 to Station 1153+53.32.

ITEM 644: SMALL ROADSIDE SIGN SUPPORTS AND ASSEMBLIES

Use Class B concrete for all small roadside sign assembly concrete footings.

Replace the signs with reference markers to the exact station from which they were removed.

Project Number:

Sheet:

County: Austin

Control: 1721-02-012

Highway: FM 1094

Drill the holes in the signs carefully as to not damage the reflective sheeting of the signs.

Install the wedge anchor system in a concrete footing 42" in depth and 12" in diameter. Foundation should take approximately 2.7 cubic feet of concrete.

Salvage and deliver all aluminum sign faces to the local department maintenance office.

ITEM 662: WORK ZONE PAVEMENT MARKINGS

Remove the exposed portions of the temporary flexible reflective roadway marker tabs after raised pavement markers are installed. If the tabs are not in line with the markings, remove the tabs immediately after the centerline markings are installed.

Traffic paint and beads will be allowed for non-removable work zone pavement markings.

ITEM 666: REFLECTORIZED PAVEMENT MARKINGS

A VHS or DVD video of the retroreflectometer data will not be required.

ITEM 668: PREFABRICATED PAVEMENT MARKINGS

Pavement marking material may be placed on roadways at any time during the year, subject to temperature and moisture limitations specified.