Parkhill

ADDENDUM NO. 01

TO: All Planholders

FROM: Parkhill

PROJECT NAME: 2425MEMPH, Memphis Municipal Airport (F21)
Airfield Pavement Rehabilitation

PROJECT NO.: 45310.25

DATE: October 30, 2026

Attention all Prospective Proposers/Planholders: The following are modifications to referenced Drawings and Project Manual. This Addendum becomes a part of Contract Documents and modifies original Contract Documents dated June 3, 2026, as noted herein. This Addendum includes Summary, TxDOT Item 247 and Mod Sheet, Drawings. C-501 and G-002, and Prebid Meeting Package. TxDOT Bid Form included under separate cover.

I. CHANGE TO BID FORM: Delete in its entirety and replace with one provided.
II. CHANGE TO TECHNICAL SPECIFICATIONS:
    1. Add the following to as new documents:
        a. TxDOT Item 247 Flexible Base
        b. TxDOT Item 247 Mod Sheet.

III. CHANGE TO DRAWINGS:
    1. Replace the following drawings in their entirety with the attached:
        a. C-501
        b. G-002

IV. OTHER: Prebid Minutes package attached.

END OF ADDENDUM NO. 01

Respectfully submitted,

PARKHILL

PARKHILL SMITH & COOPER, INC. F-560
STATE OF TEXAS
MICHAEL KRUSING
111822
LICENSED PROFESSIONAL ENGINEER

Bidder shall acknowledge receipt of this addendum below and on Bid Proposal. Attach entire addendum to Bid Proposal submission.

ACKNOWLEDGED:

_____

_____

By: _____

Modifications to:

TXDOT ITEM 247 FLEXIBLE BASE

TxDOT Item 247 Flexible Base of Project Specifications shall be modified as follows:

A. **2.1. Aggregate. Table 1 Material Requirements**
   1. Delete these columns:
      a. Grade 3
      b. Grade 4
      c. Grade 5

B. **2.1.2. 3. Type C.**
   1. Delete section in its entirety.
   2. Add "Not allowed."

C. **2.1.2. 4. Type D.**
   1. Delete section in its entirety.
   2. Add "Not allowed."

D. **2.1.2. 5. Type E.**
   1. Delete section in its entirety.
   2. Add "Not allowed."

E. **2.1.2. 6. Recycled Material.**
   1. Delete section in its entirety.
   2. Add "Not allowed."

F. **5. MEASUREMENT**
   1. Flexible Base (Complete in Place).
      a. Select "cubic yard.
      b. Delete "ton, square yard, or any" and "method."
   2. Delete the following narrative.

G. **5.1. Cubic Yard in Vehicle.** Delete in its entirety.

H. **5.2. Cubic Yard in Stockpile.** Delete in its entirety.

I. **5.4. Square Yard.** Delete in its entirety.

J. **5.5 Ton.** Delete in its entirety.

K. **6. 1. Flexible Base (Complete in Place).**
   1. Delete second sentence in its entirety.
   2. Insert after the paragraph:
      a. "**Payment will be made under:**
      TxDOT Item 247-6.1 Supplemental Base Material, Grad 1-2, Type A or B."

L. **6.2 Flexible Base (Roadway Delivery).** Delete in its entirety.

M. **6.2 Flexible Base (Stockpile Delivery).** Delete in its entirety.

END OF TXDOT 247 MODIFICATION

Item 247
Flexible Base

1. DESCRIPTION

Construct a foundation course composed of flexible base.

2. MATERIALS

Furnish uncontaminated materials of uniform quality that meet requirements of plans and specifications. Notify Engineer of the proposed material sources and of changes to material sources. Engineer may sample and test project materials at any time before compaction throughout Project duration to assure specification compliance.

2.1. **Aggregate**. Furnish aggregate of type and grade shown on plans and meeting requirements shown in Table 1. Each source must meet Table 1 requirements for liquid limit, plasticity index, and wet ball mill for grade specified. Do not use additives such as but not limited to lime, cement, or fly ash to modify aggregates to meet requirements of Table 1, unless shown on plans.

Unless otherwise shown on plans, unconfined compressive strength is waived when flexible base material meets the #200 sieve requirement. When the #200 sieve requirement does not meet specification in Table 1, unconfined compressive strength is required.

Table 1 Material Requirements

Property	Test Method	Grade 1–2[3]	~~Grade 3~~	~~Grade 4~~	~~Grade 5~~
Master gradation sieve size (cumulative % retained)					
2-1/2"		0	~~0~~		~~0~~
1-3/4"		0–10	~~0–10~~		~~0–5~~
7/8"	Tex-110-E	10–35	~~–~~		~~10–35~~
3/8"		30–65	~~–~~		~~35–65~~
#4		45–75	~~45–75~~		~~45–75~~
#40		65–90	~~50–85~~		~~70–90~~
#200[1, 2]		85–95	~~–~~		~~–~~
Liquid limit, % Max	Tex-104-E	40	~~40~~	~~As shown on the plans~~	~~35~~
Plasticity index, Max	Tex-106-E	10	~~12~~		~~10~~
Plasticity index, Min		As shown on the plans	~~As shown on the plans~~		~~As shown on the plans~~
Wet ball mill, % Max	Tex-116-E	40	~~–~~		~~40~~
Wet ball mill, % Max increase passing the #40 sieve		20	~~–~~		~~20~~
Min compressive strength[2], psi	Tex-117-E				
lateral pressure 0 psi		35	~~–~~		~~–~~
lateral pressure 3 psi		–	~~–~~		~~90~~
lateral pressure 15 psi		175	~~–~~		~~175~~

1. #200 sieve test is only required to meet the waiver of the unconfined compressive strength requirement. #200 sieve test requirement is only applicable to stockpile samples from Section 247.2.4.
2. Compressive strength and #200 sieve test requirements are waived when flexible base is mixed with/without existing material and treated with cement, emulsion, foamed asphalt, or lime, unless otherwise shown on plans.
3. Grade 3 may be substituted for Grade 1–2 or Grade 5 when flexible base is mixed with or without existing material and treated with cement, emulsion, foamed asphalt, or lime, as approved. Grade 3 flexible base must meet wet ball mill requirements of Grade 1–2 or Grade 5 as applicable.

ADDENDUM 01

2.1.1. **Material Tolerances**. Engineer may accept material if no more than one of five most recent gradation tests has an individual sieve outside specified limits of the gradation. This allowance does not apply to the #200 sieve requirement.

Engineer may accept material if no more than one of five most recent liquid limit or plasticity index tests is outside specified limit. No single failing liquid limit or plasticity index test may exceed allowable limit by more than 2 percentage points.

2.1.2. **Material Types**. Do not use fillers or binders unless approved. Furnish type shown on plans in accordance with the following.

2.1.2.1. **Type A**. Crushed stone produced and graded from oversize quarried aggregate that originates from a single, naturally occurring source. Do not use gravel or multiple sources.

2.1.2.2. **Type B**. Crushed or uncrushed gravel. Blending of two or more sources is allowed.

2.1.2.3. **Type C**. Not allowed.~~Crushed gravel with a minimum of 60% of particles retained on a No. 4 sieve with two or more crushed faces as determined in accordance with Tex-460-A, Part I. Blending two or more sources is allowed~~.

2.1.2.4. **Type D**. Not allowed.~~Type A material or crushed concrete. Crushed concrete containing gravel will be considered Type D material. Crushed concrete must meet requirements of Section 247.2.1.2.6., "Recycled Material," and be managed in a way to provide for uniform quality. Engineer may require separate dedicated stockpiles to verify compliance.~~

2.1.2.5. **Type E**. Not allowed. ~~Caliche, iron ore, or as otherwise shown on the plans.~~

~~2.1.2.6.~~ ~~**Recycled Material**. Not allowed. Reclaimed asphalt pavement (RAP) and other recycled materials may be used when shown on plans. Request approval to blend two or more sources of recycled materials. When RAP is allowed, do not exceed 20% RAP by weight, unless otherwise shown on plans. The percentage limitations for other recycled materials will be as shown on the plans.~~

~~2.1.2.7.~~ ~~Provide recycled materials, other than RAP, that have a maximum sulfate content of 3,000 ppm when tested in accordance with Tex-145-E. Certify compliance with DMS-11000, "Evaluating and Using Nonhazardous Recyclable Materials Guidelines." In addition, recycled materials must be free of reinforcing steel and other objectionable material and have at most 1.5% deleterious material when tested in accordance with Tex-413-A. The liquid limit, plasticity index, wet ball mill, and compressive strength for all recycled materials are waived. When using RAP, crush so 100% passes the 2-in. sieve and does not exceed a maximum percent loss from decantation of 5% when tested in accordance with Tex-406-A. Test RAP without removing asphalt. The final product must meet requirements shown in Table 1 for grade specified except when Department requires a specific amount of Department furnished RAP be added to blend, unless otherwise shown on plans.~~

~~2.1.2.8.~~2.1.2.6. ~~Contractor is responsible for uniformly blending recycled material with flexible base material to build a stockpile to meet percentages required. Any Contractor-furnished surplus of recycled materials will remain property of Contractor. Remove Contractor-owned recycled materials from project and dispose in accordance with federal, state, and local regulations before project acceptance.~~

2.2. **Water**. Furnish water free of industrial wastes and other objectionable matter.

2.3. **Material Sources**. Expose the vertical faces of all strata of material proposed for use when non-commercial sources are used. Secure and process material by successive vertical cuts extending through all exposed strata, when directed.

2.4. **Stockpile Approval**. Stockpile is approved when Engineer's test results meet material requirements shown in Table 1.

2.4.1. **Sampling**. Contractor and Engineer will sample flexible base from completed stockpiles in accordance with Tex-100-E. Personnel conducting sampling must be certified by Department-approved soils and base certification program.

Sampling stockpiles may be located at production site or project location. Contractor will witness Engineer's sampling and sample the stockpile for their own testing, and label as deemed necessary.

Sample stockpile for Engineer when shown on plans. When Contractor samples stockpile for Engineer, Engineer must witness sampling of material designated for Engineer and Materials and Tests Division (MTD). Engineer will label sampling containers as "Engineer" and "MTD," or as deemed necessary.

Engineer will take immediate possession of the sample containers for Engineer and MTD. Engineer will maintain custody of the samples until all testing and reporting are completed.

2.4.2. **Referee Testing**. Referee testing is applicable for stockpile testing only. MTD is the referee laboratory. MTD may designate a laboratory from the Department's MPL for Commercial Laboratories Approved for Flexible Base Referee Requests as referee laboratory as deemed necessary. Designated laboratory cannot be performing any testing under this Item for Engineer or Contractor.

Contractor may request referee testing when Engineer's test results fail to meet any material requirements shown in Table 1 and Contractor's sample from Section 2.4.1., "Sampling," for the same failing Department test, passes. Tests must be performed by a laboratory listed on Department's MPL for Commercial Laboratories Approved for Flexible Base Referee Requests. Email request within 5 working days after receiving failing test results from Engineer. Include completed test reports passing applicable requirements shown in Table 1 in email.

Record and submit completed test reports electronically on Department-provided templates in their original format meeting applicable material requirements shown in Table 1. Use Department-provided templates to record and calculate all test data. Engineer and Contractor will provide any available test results to other party when requested.

3. EQUIPMENT

Provide machinery, tools, and equipment necessary for proper execution of work.

3.1. **Rollers**. Provide rollers in accordance with Item 210, "Rolling." Provide proof rollers in accordance with Item 216, "Proof Rolling," when required.

3.2. **Inertial Profiler**. When ride quality measurement is required, provide a high-speed or lightweight inertial profiler certified at Texas A&M Transportation Institute. Provide equipment certification documentation. Display a current decal on equipment indicating certification expiration date.

4. CONSTRUCTION

Construct each layer uniformly, free of loose or segregated areas, and with required density and moisture content. Provide a smooth surface that conforms to typical sections, lines, and grades shown on plans or as directed.

Stockpile base material temporarily at an approved location before delivery to roadway. Build stockpiles in layers no greater than 2 ft. thick. Stockpiles must have a total 10-16 ft height unless otherwise approved. After construction and acceptance of stockpile in accordance with Section 247.2.4., "Stockpile Approval," loading from stockpile for delivery is allowed. Load by making successive vertical cuts through entire depth of the stockpile.

Do not add or remove material from temporary stockpiles that require sampling and testing before delivery, unless otherwise approved. Charges for additional sampling and testing required as a result of adding or removing material will be deducted from Contractor estimates.

Haul approved flexible base in clean trucks. Deliver required quantity to each 100-ft. station or designated stockpile site as shown on plans. Prepare stockpile sites as directed. When delivery is to the 100-ft. station, manipulate in conformance with the applicable Items.

4.1. **Preparation of Subgrade or Existing Base**. Remove or scarify existing asphalt concrete pavement in accordance with Item 105, "Removing Treated and Untreated Base and Asphalt Pavement," when shown on plans or as directed. Shape subgrade or existing base to conform to the typical sections shown on plans or as directed.

When new base is required to be mixed with existing base, deliver, place, and spread new flexible base in required amount per station. Manipulate and thoroughly mix new base with existing material to provide a uniform mixture to specified depth before shaping.

Proof roll roadbed in accordance with Item 216 before pulverizing or scarifying when shown on plans or directed. Correct soft spots as directed.

4.2. **Placing**. Spread and shape flexible base into a uniform layer using an approved spreader the same day as delivered unless otherwise approved. Construct layers to thickness shown on plans. Maintain shape of course. Control dust by sprinkling, as directed. Correct or replace segregated areas as directed at no additional expense to Department.

Place successive base courses and finish courses using same construction methods required for first course.

4.3. **Compaction**. Compact using density control unless otherwise shown on plans. Multiple lifts permitted when shown on plans or approved. Bring each layer to moisture content directed. When necessary, sprinkle material in accordance with Item 204, "Sprinkling." Maintain moisture during compaction within ±2% of optimum moisture content as determined in accordance with Tex-113-E.

Begin rolling longitudinally at sides and proceed toward the center, overlapping on successive trips by at least half the width of roller unit. Begin rolling at low side and progress toward high side on superelevated curves. Offset alternating trips of roller. Operate rollers at 2-6 mph as directed.

Rework, recompact, and refinish material that fails to meet, or loses required moisture, density, stability, or finish requirements before next course is placed or project is accepted. Continue work until specification requirements are met. Perform work at no additional expense to Department.

Before final acceptance, Engineer will select test locations and measure flexible base depth in accordance with Tex-140-E. Correct areas deficient by more than 1/2 in. in thickness by scarifying, adding material as required, reshaping, recompacting, and refinishing at Contractor expense.

4.3.1. **Ordinary Compaction**. Roll using approved compaction equipment as directed. Correct irregularities, depressions, and weak spots immediately by scarifying areas affected, adding or removing approved material as required, reshaping, and recompacting.

4.3.2. **Density and Moisture Control**. Compact to a minimum 100% of maximum dry density and within ±2% of optimum moisture content as determined in accordance with Tex-113-E, unless otherwise shown on plans. Provide Engineer with beginning and ending station numbers of area completed for testing. Engineer will determine roadway density and moisture content of completed sections in accordance with Tex-115-E, Part I. Engineer will determine random locations for testing in accordance with Tex-115-E, Part IV. Do not achieve density by drying material after compaction.

When density is less than 100% of maximum dry density, Engineer may perform additional testing to determine extent of area to correct. Engineer may accept section if no more than one of five most recent density tests is below specified density and failing test is no more than 3pcf below specified density.

4.3.3. **Miscellaneous and Small Areas**. Miscellaneous areas are those that typically involve handwork or discontinuous paving operations, such as temporary detours, driveways, mailbox turnouts, crossovers, gores, spot level-up areas, and other similar areas. Miscellaneous and small areas are not subject to density testing but may be tested as directed.

4.4. **Finishing**. After completing compaction, clip, skin, or tight-blade surface using a maintainer or subgrade trimmer to a depth approximately 1/4 in. Remove loosened material and dispose at an approved location. Seal clipped surface immediately by rolling using a pneumatic tire roller until smooth surface is attained. Add small increments of water as needed during rolling. Shape and maintain course and surface in conformity with typical sections, lines, and grades as shown on plans or as directed.

Correct grade deviations greater than 1/4 in. in 16 ft. measured longitudinally. Correct grade deviations greater than 1/4 in. over entire width of cross-section in areas where surfacing is placed. Correct by loosening and adding or removing material. Reshape and recompact in accordance with Section 247.4.3., "Compaction."

4.5. **Curing**. Cure finished section until moisture content is at least 2 percentage points below optimum or as directed before applying next successive course or prime coat.

4.6. **Ride Quality**. Measurement of ride quality only applies to final travel lanes that receive a one- or two-course surface treatment for final riding surface, unless otherwise shown on plans. Measure ride quality of base course before or after application of prime coat, as directed, and before placement of surface treatment. Use a certified profiler operator listed on Department's MPL. When requested, furnish Engineer with documentation for person certified to operate profiler.

Provide all profile data to Engineer in electronic data files within 3 days of measuring ride quality using format specified in Tex-1001-S. Engineer will use Department software to evaluate longitudinal profiles to determine areas requiring corrective action. Correct 0.1-mi. sections with an average international roughness index (IRI) value greater than 100 in. per mile to an IRI value of 100 in. per mile or less, unless otherwise shown on plans. Reprofile and correct sections that fail to maintain ride quality before placing surface treatment, as directed. Unless ride deterioration is due to environmental impact, traffic, or other incidents outside Contractor's control, perform this work at no additional expense to Department, as approved.

5. MEASUREMENT

Flexible base will be measured as follows.

- **Flexible Base (Complete in Place)**. ~~The ton, square yard, or any~~ Cubic yard ~~method~~.
- ~~**Flexible Base (Roadway Delivery)**. The ton or any cubic yard method.~~
- ~~**Flexible Base (Stockpile Delivery)**. The ton, cubic yard in vehicle, or cubic yard in stockpile.~~

~~Measurement by the cubic yard in final position and square yard is a plans quantity measurement. The quantity to be paid is quantity shown in proposal, unless modified by Article 9.2., "Plans Quantity Measurement." Additional measurements or calculations will be made if adjustments of quantities are required.~~

~~Measurement is further defined for payment as follows.~~

~~5.1. **Cubic Yard in Vehicle**. By the cubic yard in vehicles of uniform capacity at the point of delivery.~~

~~5.2. **Cubic Yard in Stockpile**. By cubic yard in final stockpile position, by method of average end areas, or as shown on plans.~~

~~5.3.~~5.1. **Cubic Yard in Final Position**. By cubic yard in the completed and accepted final position. Volume of base course is computed in place by method of average end areas between original subgrade or existing base surfaces and lines, grades, and slopes of accepted base course, or as shown on plans.

~~5.4. **Square Yard**. By square yard of surface area in completed and accepted final position. The surface area of base course is based on width of flexible base, or as shown on plans.~~

~~5.5. **Ton**. By ton of dry weight in vehicles as delivered. The dry weight is determined by deducting weight of moisture in material at the time of weighing from gross weight of material. Engineer will determine moisture content in material in accordance with Tex-103-E from samples taken at the time of weighing.~~

~~When material is measured in trucks, weight of material will be determined on certified scales, or Contractor must provide a set of standard platform truck scales at approved location. Scales must meet requirements of Item 520, "Weighing and Measuring Equipment."~~

6. PAYMENT

Work performed and materials furnished in accordance with this Item and measured as provided under "Measurement" will be paid for at unit price bid for types of work described. No additional payment made for thickness or width exceeding that shown on typical section or provided on plans for cubic yard in final position or square yard measurement.

Sprinkling and rolling, except proof rolling, will not be paid for directly, but subsidiary to this Item unless otherwise shown on plans. When proof rolling shown on plans or directed, it will be paid for in accordance with Item 216.

Where subgrade is constructed under this Contract, correction of soft spots in subgrade will be at Contractor expense. Where subgrade is not constructed under this Contract, correction of soft spots in subgrade will be paid in conformance with pertinent Items or in accordance with Article 4.4., "Changes in the Work."

6.1. **Flexible Base (Complete in Place)**. Payment will be made for type and grade specified. ~~For cubic yard measurement, "In Vehicle," "In Stockpile," or "In Final Position" will be specified.~~ For square yard measurement, a depth will be specified. This price is full compensation for furnishing materials, temporary stockpiling, assistance provided in stockpile sampling and operations to level stockpiles for measurement, loading, hauling, delivery of materials, spreading, blading, mixing, shaping, placing, compacting, reworking, finishing, correcting locations where thickness is deficient, curing, furnishing scales and labor for weighing and measuring, equipment, labor, tools, and incidentals.

Payment will be made under:

~~6.1.~~ TxDOT Item 247-6.1 Supplemental Base Material, Grade 1-2, Type A or B

~~6.2. **Flexible Base (Roadway Delivery)**. Payment will be made for type and grade specified. For cubic yard measurement, "In Vehicle," "In Stockpile," or "In Final Position" will be specified. The unit price bid will not include processing at roadway. This price is full compensation for furnishing materials, temporary stockpiling, assistance provided in stockpile sampling and operations to level stockpiles for measurement, loading, hauling, delivery of materials, furnishing scales and labor for weighing and measuring, equipment, labor, tools, and incidentals.~~

~~6.3.~~6.2. ~~**Flexible Base (Stockpile Delivery)**. Payment will be made for type and grade specified. For cubic yard measurement, "In Vehicle" or "In Stockpile" will be specified. The unit price bid will not include processing at roadway. This price is full compensation for furnishing and disposing materials, preparing stockpile area, temporary or permanent stockpiling, assistance provided in stockpile sampling and operations to level stockpiles for measurement, loading, hauling, delivery of materials to the stockpile, furnishing scales and labor for weighing and measuring, equipment, labor, tools, and incidentals.~~

SUMMARY OF BID QUANTITIES

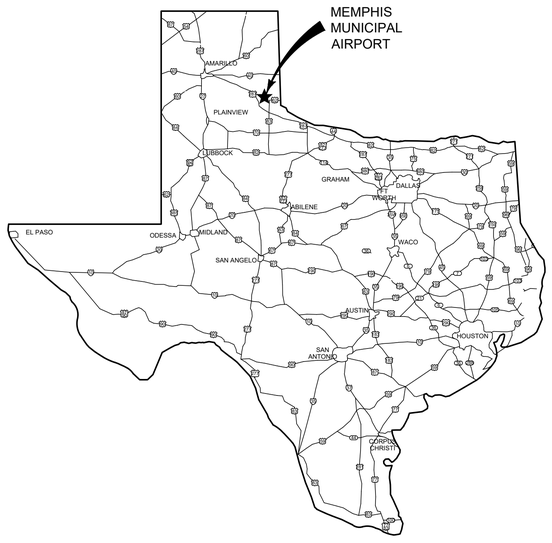
BASE BID

BID ITEM	SPEC No. & DESCRIPTION	QUANTITY	UNIT
1	C-102-5.1a, Temporary Air and Water Pollution, Soil Erosion and Siltation Control (SWPPP)	1	LS
2	C-105, Mobilization	1	LS
3	Item P-101-5.3, Full Depth Asphalt Pavement Removal and Repair	450	SY
4	Item P-101-5.4, Clean and Seal Asphalt Joints and Cracks Greater than 1/2 inch wide, Including Sealant	62,800	LF
5	Item P-101-5.6, Cold Milling	200	SY
6	Item P-620-5.1a, Pavement Markings	32,700	SF
7	Item P-631-7.1, Refined Coal Tar Emulsion with Additives for Slurry Coat	9,200	SY
8	Item T-901-5.1, Seeding and Fertilizing	2	AC
9	Item T-905-5.1, Topsoil (Furnished from Off the Site)	90	CY
10	TxDOT Item 316-6.1, Chip Seal Coat with Aggregate	44,700	SY
11	TxDOT Item 341-6.1, Dense Graded Hot-Mix Asphalt, 2.0-inch Overlay	5,190	Ton

SUMMARY OF BID QUANTITIES

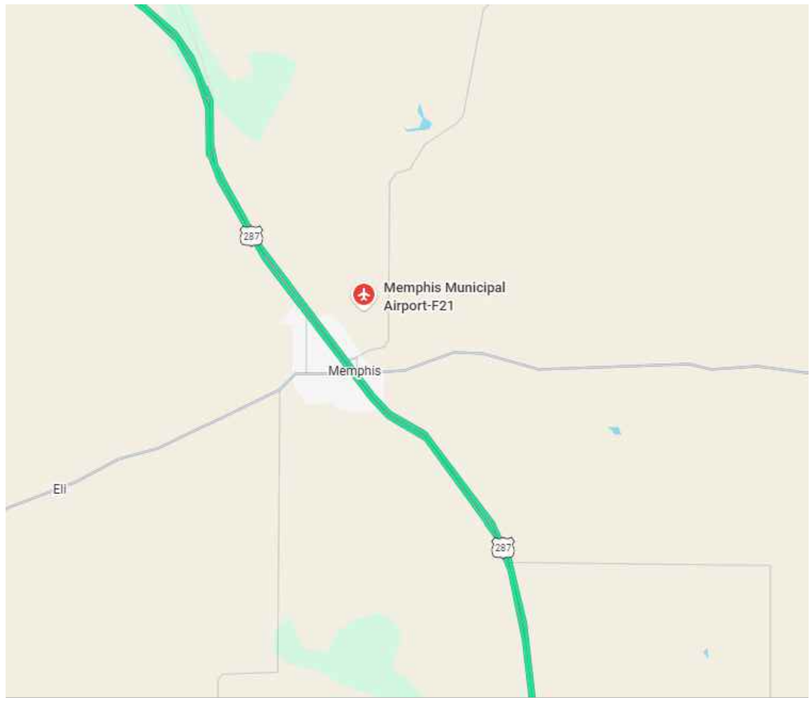
ADDITIVE ALTERNATE No. 1 (MILL AND OVERLAY OF APRON

BID ITEM	SPEC No. & DESCRIPTION	QUANTITY	UNIT
AA1-1	Deduct of Item P-101-5.4, Clean and Seal Asphalt Joints and Cracks Greater than 1/2 inch wide, Including Sealant	(11,900)	LF
AA1-2	Deduct of Item P-631-7.1, Refined Coal Tar Emulsion with Additives for Slurry Coat	(9,200)	SY
AA1-3	Item P-101-5.1, Mill Existing Asphalt Surface Course (2-inch thickness) and Proof Roll Remaining Base Material	9,320	SY
AA1-4	Item P-101-5.2, Base Removal and Replacement	920	SY
AA1-5	Item P-101-5.5, Removal of Aircraft Tie-Down	18	EA
AA1-6	Item P-602-5.1, Emulsified Asphalt Prime Coat	2,740	GAL
AA1-7	Item P-610-6.1, Aircraft Tie-Down	18	EA
AA1-8	TxDOT Item Item 247-6.1 TxDOT Item 247, Supplemental Base Material, Grade 1-2, Type A or B	300	CY
AA1-9	TxDOT Item 341, Dense Graded Hot-Mix Asphalt, 2.0-inch Overlay	1,070	Ton



LOCATION MAP

VICINITY MAP



Sheet List Table

Sheet Number	Sheet Title
General	
G-001	Cover Sheet
G-002	Location Map, Vicinity Map, Bid Quantities & Sheet Index
G-003	Project Layout Plan
G-004	Storm Water Pollution Prevention Plan (SWPPP)
G-005	Storm Water Pollution Prevention Plan (Site Plan)
G-007	Storm Water Pollution Prevention Plan (Details)
G-007	Project Phase & Safety Plan
Civil	
C-101	Site Demolition Plan
C-102	Geometry Plan Sheet 1 of 5
C-103	Geometry Plan Sheet 2 of 5
C-104	Geometry Plan Sheet 3 of 5
C-105	Geometry Plan Sheet 4 of 5
C-106	Geometry Plan Sheet 5 of 5
C-107	Runway 17-35 Plan & Profile Sta 0+00 To 10+00
C-108	Runway 17-35 Plan & Profile Sta 11+00 To 21+00
C-109	Runway 17-35 Plan & Profile Sta 21+00 To 32+00
C-110	Runway 17-35 Plan & Profile Sta 32+00 To 43+00
C-111	Runway 17-35 Plan & Profile Sta 43+00 To 54+00
C-112	Turnaround North & Taxiway A Plan & Profile
C-113	Turnaround South Plan & Profile
C-114	Marking Plan Sheet 1 of 5
C-115	Marking Plan Sheet 2 of 5
C-116	Marking Plan Sheet 3 of 5
C-117	Marking Plan Sheet 4 of 5
C-118	Marking Plan Sheet 5 of 5
C-501	Pavement Details
C-502	Pavement Marking Details

Parkhill

PARKHILL SMITH & COOPER INC. F-560
STATE OF TEXAS
MICHAEL KRUSING
111822
LICENSED
PROFESSIONAL ENGINEER
10/30/2026

Parkhill.com

Memphis Municipal Airport - F21

Airfield Pavement Rehabilitation Project

Texas Department of Transportation
Aviation Division

CLIENT
Memphis, Texas

2325 FM 1547
Memphis, Texas 79245

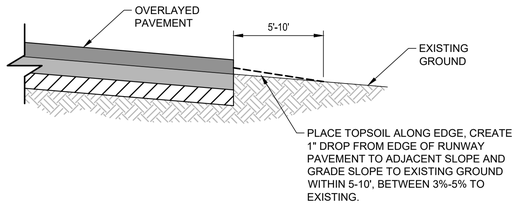
PROJECT NO.
45310.25

#	DATE	DESCRIPTION
2	10/30/2026	Addendum No. 1
1	06/03/2026	Bid Submittal

Location Map, Vicinity Map, Bid Quantities & Sheet Index

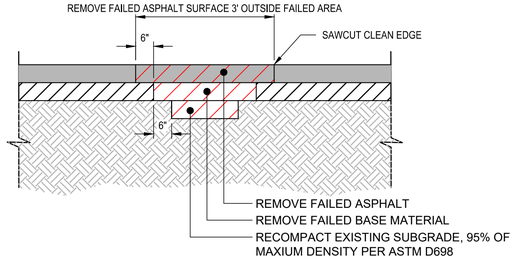
G-002

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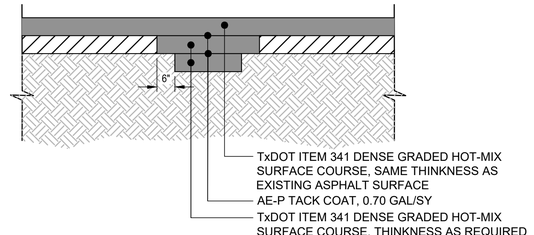


D1 PAVEMENT EDGE GRADING DETAIL

NOT TO SCALE



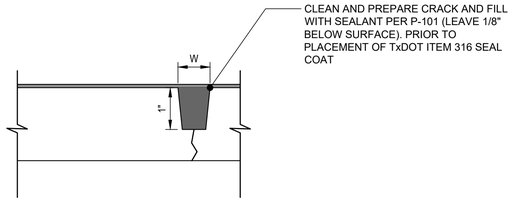
REMOVAL



REPAIR

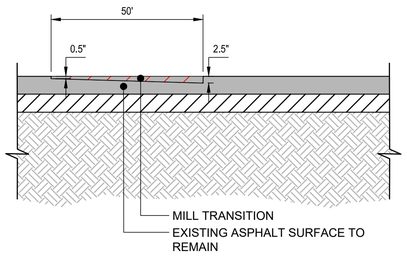
D3 FULL DEPTH ASPHALT PAVEMENT REMOVAL AND REPAIR

NOT TO SCALE

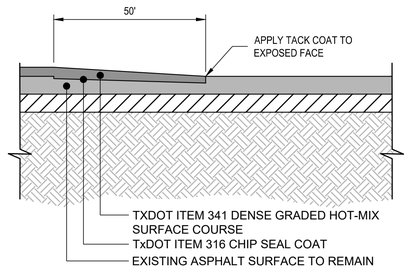


C1 RUNWAY 17-35, TAXIWAY AND TURNAROUND ASPHALT PAVEMENT REHABILITATION DETAIL (1/4" TO 1-1/2" WIDE)

NOT TO SCALE



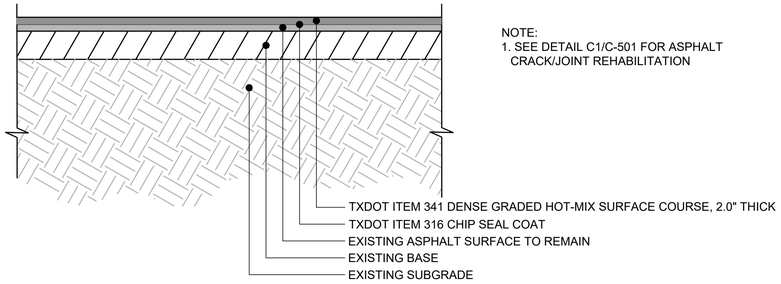
DEMO



PROPOSED

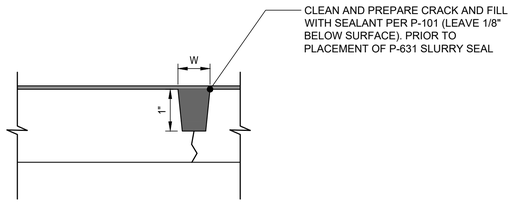
B1 ASPHALT OVERLAY TO EXISTING ASPHALT TRANSITION DETIAL

NOT TO SCALE



B3 PROPOSED RUNWAY 17-35, TAXIWAY AND TURNAROUND REHABILITATION SECTION

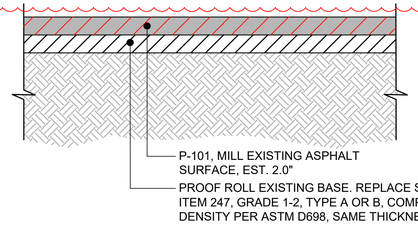
NOT TO SCALE



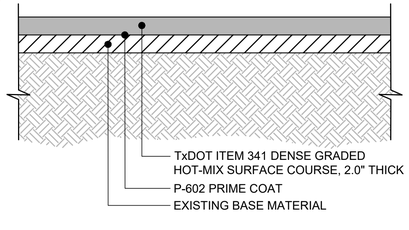
A1 APRON ASPHALT PAVEMENT REHABILITATION DETAIL (1/4" TO 1-1/2" WIDE) - BASE BID

NOT TO SCALE

NOTE:
1. DURING MILLING, CONTRACTOR TO EVALUATE THICKNESS OF EXISTING ASPHALT APRON.
2. AFTER MILLING OF EXISTING ASPHALT, CONTRACTOR SHALL EVALUATE BASE MATERIAL THAT REMAINS FOR SMOOTHNESS AND NEED FOR PLACEMENT OF SUPPLEMENTAL BASE MATERIAL. ENGINEER TO BE CONTACTED PRIOR TO THE PLACEMENT OF SUPPLEMENTAL BASE MATERIAL. (2)



DEMO



PROPOSED

A3 ASPHALT APRON PAVEMENT REHABILITATION DETAIL - ADDITIVE No. 1

NOT TO SCALE

\\PROJECTS-DFS\PROJECTS\2025\45310.25\03_DSGN\01_DWG\050_CIVIL\C-501-C-502-45310.25.DWG, 10/29/2026 1:05 PM, MKrusing

Parkhill

PARKHILL SMITH & COOPER, INC. F-560
STATE OF TEXAS
MICHAEL KRUSING
111822
LICENSED
PROFESSIONAL ENGINEER
10/30/2026

Parkhill.com

Memphis Municipal Airport - F21

Airfield Pavement Rehabilitation Project

Texas Department of Transportation
Aviation Division

CLIENT
Memphis, Texas

2325 FM 1547
Memphis, Texas 79245

PROJECT NO.
45310.25

#	DATE	DESCRIPTION
2	10/30/2026	Addendum No. 1
1	06/03/2026	Bid Submittal

Pavement Details

C-501

Parkhill

PREBID MEETING MINUTES	
	PROJECT NAME: 2425MEMPH Memphis Municipal Airport (F21) Airfield Pavement Rehabilitation
	PROJECT NO.: 4531025
	DATE: 3pm, Monday, October 26, 2026
	LOCATION: Memphis City Library (303 North 8th, Memphis, Texas 79245)
	By: Michael Krusing, PE

Meeting minutes noted in red.

A. INTRODUCTIONS (sign Attendance Sheet)

B. ADVERTISEMENT FOR BID

1. Project Scope of Work:
    a. Base Bid
        i. Rehabilitate RWY 17-35:
            - ✈ Asphalt joint and crack seal
            - ✈ Chip seal
            - ✈ 2-inch asphalt overlay
            - ✈ Edge grading
            - ✈ Final pavement markings
        ii. Apron:
            - ✈ Asphalt joint and crack seal
            - ✈ Slurry seal
    b. Additive Alternate No. 1
        i. Apron
            - ✈ Deduction of asphalt joint and crack seal
            - ✈ Deduction of slurry seal
            - ✈ Remove existing aircraft tie-downs
            - ✈ Mill existing asphalt surface
            - ✈ 2-inch asphalt surface course
            - ✈ New aircraft tie-downs
2. Question Deadline: 12p, Friday, November 6, 2026
3. Addendum No. 01 to be issued ASAP and will include:
    a. Prebid Meeting Minutes
    b. Answers to questions received before issuance of Addendum No. 01.
4. Bids accepted until 2pm, Tuesday, November 17, 2026, then publicly opened and read at TxDOT Aviation (link to Microsoft Teams meeting to attend bid opening provided to those on Project Bidder List, contact kelle.chancey@txdot.gov to be added).
5. Address and deliver all sealed Bids to:
    Kelle Chancey
    Texas Department of Transportation, Aviation Division
    6230 East Stassney Lane
    Austin Texas 78744

C. INFORMATION TO BIDDERS BID REQUIREMENTS

1. Refer to Notice to Bidders for TxDOT CSJ 2425MEMPH on TxDOT Aviation website.
2. Refer to website regularly for any changes or addenda.
3. Bidders are encouraged to maximize HUB utilization equal to statewide HUB goals for type of work contracted. See advertisement for defined HUB goals.
4. Minimum wage rates are predetermined as required by law and set forth in Project Manual.
5. Submit complete, bound documents intact, including:
   a. Completed and signed proposal
   b. Bid Bond with cashier's check, money order, or teller check equaling 2% of total bid.
   c. Successful bidder will be required to furnish a Performance Bond and Payment Bond, each in full amount of contract price.
   d. Acknowledgement of all addenda including a copy of each, if applicable.
   e. Letter showing TxDOT prequalification or financial statement.
6. Contractor to submit HSP with bid. HUB goal is currently 0% but HSP is still required.
7. Consult TxDOT Bidder Responsiveness Checklist before submitting bid.
8. Prebid check on HSP Plan, before bid opening, may be requested (Teri Alvaredo, terisita.alvaredo@txdot.gov.)

D. TIME AND ORDER OF COMPLETION

1. Construction Duration:
   A. Base Bid: 63 calendar days
   B. Additive Alternate No. 1: 3 additional days
2. Liquidated Damages: $1,500 per day

E. LIMITATION OF OPERATIONS

1. Haul routes: As designated and approved by Engineer and Owner.
2. Stockpile, office, and plant areas: As approved by Engineer and Owner.
3. Preconstruction Conference: To be conducted a week before Project start date.
4. Project Start Date: No Sooner than February 15, 2027

F. UTILITIES

1. Contractor to provide and pay for all utilities consumed during construction.
2. Contractor shall arrange for all utility usage.

G. TXDOT COMMENTS

1. Copies of TxDOT General provisions are available online (TxDOT Aviation website).
2. Materials-on-hand on site or otherwise dedicated to this Project are eligible for payment.
3. No retainage will be held on Contractor's monthly pay requests.
   a. TxDOT will pay 95% of completed Project before final inspection.
   b. Remaining 5% paid with last final pay request approved by Project Manager.

H. PROJECT COMMENTS

1. A concurrent TxDOT Highway project will be conducted on SH256 within City Limits. Awarded contractor is J. Lee Milligan.

A. PREBID QUESTIONS

1. Q: *What is the Engineer's Opinion of Probable Cost (EOPC)?*
   A: Base Bid: $2,399,830.00
   Additive Alternate 1: $545,600.00

2. Q: *Is there an estimated amount of base material need for apron?*
   A: No, but a new bid item will be added to account for a nominal amount of base material used as a supplement to existing base in the event low-lying areas or differing asphalt thicknesses are encountered after milling the apron.

3. Q: *How thick is the existing base?*
   A: Based upon as-built plans, existing pavement consists of 2 inches asphalt surface course, 6 inches base material, 6 inches lime-treated base.

4. Q: *Looking at the plans and my understanding is there's some hot pour 6690 and also emulsion and sand mixture for cold pour for bigger cracks, the only thing is how much of bigger cracks is there it doesn't show on the plans so I would like to know so I can give you a quote for that item*.
   A: Please visit the site and review crack size within Project area. During design, Parkhill inventoried crack size and did not observe cracks larger than 1-1/2 inches wide. This process was kept in the specifications in case routing cracks resulted in a crack growing larger than 1-1/2 inches wide.

For all Projection questions/revisions/corrections, contact:
Michael Krusing, PE, at 806.473.3671 or mkrusing@parkhill.com.

Parkhill

ATTENDANCE

PROJECT NAME: 2425MEMPH Memphis Municipal Airport (F21) Airfield Pavement Rehabilitation

PROJECT NO.: 4531025

DATE: 3pm, Monday, October 26, 2026

LOCATION: Memphis City Library (303 North 8th, Memphis 79245)

PRESENT	NAME	ORGANIZATION	PHONE	EMAIL
MK	Michael Krusing, PE	Parkhill	806.473.3671	mkrusing@parkhill.com
	Shalee Dane, EIT	Parkhill	806.473.3555	sdane@parkhill.com
JO	Jack Owens, Airport Manager	City of Memphis	806.259.3001	
CM	Caitlin McGunigle	TxDOT Aviation	737.256.9075	Caitlin.mcgunigle@txdot.gov
✓	Robert Johnson	TxDOT AVN	512-701-9702	robert.n.johnson@txdot.gov
✓	Taylor Jordan	Lone Wolf	8177395735	taylorj@lone-wolf-const
✓	Junior Casas	city of Memphis	806-259-3001	
JO	Jack Owens	City of Memphis	806-259-3001	city of memphis texas @ outlook.
TW	Trey Weatherly	J. Lee Milligan, Inc	806-676-7515	trey@jlminc.net
Online	Eli Lopez	TxDOT Aviation	512-416-4506	eli.lopez@txdot.gov
Online	Kelle Chancey	TxDOT Aviation	512-633-0253	kelle.chancey@txdot.gov