

Scope of Work for Houston High School Paving Project

Section I

Area 1: All Drive Areas Around the School. Approximately 13,500 square yards.

- Mill all areas to a depth of 3".
- Asphalt overlay all areas 3".
- Once proof rolling has taken place, identify any areas for repair and mill to a total depth of 12.5" (9.5" of additional milling). Fill in with 8"CTB Binder, 1.5" BM2 Asphalt Binder, and 3" of asphalt overlay. Owner and Contractor will both identify and agree upon these areas together.
- Restripe all areas

Area 2: East Circle Drive. Approximately 1,550 square yards.

- Mill all areas to a depth of 3".
- Asphalt overlay all areas 3".
- Once proof rolling has taken place, identify any areas for repair and mill to a total depth of 12.5" (9.5" of additional milling). Fill in with 8"CTB Binder, 1.5" BM2 Asphalt Binder, and 3" of asphalt overlay. Owner and Contractor will both identify and agree upon these areas together.
- Restripe all areas

Area 3: West Employee Parking Lot. Approximately 3,650 square yards.

- Mill all areas to a depth of 3".
- Asphalt overlay all areas 3".
- Once proof rolling has taken place, identify any areas for repair and mill to a total depth of 12.5" (9.5" of additional milling). Fill in with 8"CTB Binder, 1.5" BM2 Asphalt Binder, and 3" of asphalt overlay. Owner and Contractor will both identify and agree upon these areas together.
- Restripe all areas

Area 4: East Employee Parking Lot. Approximately 1,320 square yards.

- Mill all areas to a depth of 3".
- Asphalt overlay all areas 3".
- Once proof rolling has taken place, identify any areas for repair and mill to a total depth of 12.5" (9.5" of additional milling). Fill in with 8"CTB Binder, 1.5" BM2 Asphalt Binder, and 3" of asphalt overlay. Owner and Contractor will both identify and agree upon these areas together.
- Restripe all areas

Area 5: West Circle Drive. Approximately 950 square yards.

- Mill all areas to a depth of 3".
- Asphalt overlay all areas 3".
- Once proof rolling has taken place, identify any areas for repair and mill to a total depth of 12.5" (9.5" of additional milling). Fill in with 8"CTB Binder, 1.5" BM2 Asphalt Binder, and 3" of asphalt overlay. Owner and Contractor will both identify and agree upon these areas together.
- Restripe all areas

Area 6 (Not pictured): Emergency Access Road (currently gravel) on the West Side of the campus from the drive area to the football field. Approximately 133 square yards.

- Removal of existing 6-30 Curb/Gutter and installation of new 24' Curb Cut to allow for vehicle access to the emergency road.
- Overlay existing gravel with 1.5" of BM2 Asphalt Binder, and 3" of asphalt.
- 16' steel culvert supplied and installed to address drainage. Two 8' head walls (1 on either side) with 2' kick-outs. Total height of head walls and kickout approximately 4'. Head walls must be sitting on footing of 36" wide by 18" deep. 4 bars of 5/8 re-bar required in each footing with re-bar turned up in head wall every 12". 6" by 6" matted 5/8 re-bar required in head walls.

Area 7: Student Parking Area. Approximately 18,500 square yards.

- Restripe all areas

Sub-Grade Patching/Repair Allowance- \$36,000 allowance for milling, CTB binder and BM2 asphalt binder will be allowed **for all areas**.

6-30 Curb/Gutter Cut and Repair- \$30,000 allowance to remove and replace damaged 6-30 curb/gutter and installation at proper elevation will be allowed **for all areas**. Based on approximately 500 linear feet.

Drainage Repair Allowance- \$10,000 will be allowed to address existing drainage problems, particularly in regards to elevation. Adjustments of elevation needed to address drainage issues, look at possibly installing a drain in the middle of the employee parking drive area on the East side of the campus.

Section II

- Asphalt restoration patching includes neatly saw-cutting the perimeters of the deteriorated and damaged asphalt pavement, and its replacement per industry standards.

- Asphalt over-lay includes preparing existing pavement, edge-milling at curbs, ramps, and other joints according to industry standards, leveling when necessary, adjusting for drainage when ponding issues exist, and applying appropriate binder coat.
- Re-Striping includes all standard parking stalls, ADA HC Accessible parking stalls, access aisles/routes, directional markings, traffic lanes, stop bars, curbs, fire lanes, and all other existing entrance, drive, and parking lot painting.
- All excavated pavement, debris, and other waste materials shall be removed from the site and disposed of legally by the contractor. All work and materials shall comply with applicable Federal, State, and Municipal codes and standards.

Section III

Proposal: Proposed pricing should be for the requested specified work. Proposed pricing should also be submitted for priority areas as specified on the drawings and bid sheet.

Work and pricing should be proposed as being done during normal work day hours. The contractor shall review proposed job completion schedules with the owner to obtain scheduling approval.

Plans and Specifications: Site Plans provided with this bid package identify the parking lots, traffic lanes, and work areas. If questions arise about property boundaries and specified work areas, contractor should contact the owner.

All required approvals and permits must be obtained before work is started. The contractor shall use materials and applications approved and specified by Federal, State, and Municipal authorities, and ASTM. The contractor shall take all reasonable actions to protect private and public areas, as well as the public.

Variances from stated requirements may be exercised when proposed methods and materials exceed these specifications.

Asphalt Repair/Restoration – Deteriorated and damaged pavement shall be removed to a depth of 12.5” total. Sub-base shall be restored as specified with 8.” of CTB binder, 1.5” of BM2 asphalt binder, and 3” of asphalt overlay. Base shall be replaced in 1.5” lifts, and the surface mixture shall be placed (1.5” minimum compacted thickness) Before placing surface mixture, a properly cured tack coat of emulsified asphalt shall be applied, except when the surface mixture is placed the same day as the binder.

Asphalt Resurfacing Mixture – TDOT 411E asphalt mixture or better is required

for this project. Up to 25% of reclaimed materials will be allowed for this project. Over-layment shall be placed (1.5" minimum compacted thickness). Areas to be resurfaced shall be thoroughly cleaned, and tack coated, with properly cured emulsified asphalt (exception: asphalt leveling or binder is placed the same day and remains clean), before placement of the asphalt over-layment. All vertical edges abutting the asphalt edges should be tack coated. Surface shall be smooth, consistent, and uniform density, and the surface and surface slopes shall be established or maintained to provide acceptable storm water drainage.

Asphalt Speed Breakers -- Removal and replacement of speed breakers. Speed breakers will be 22' wide x 2 ½" tall asphalt speed breakers. Bid should be based on approximately 22 speed breakers. Location of speed breakers will be determined in the pre-construction meeting with contractor who is awarded the bid.

Re-Striping – Sherwin Williams Setfast Acrylic Traffic Marking Paint TM5626 (White), TM 5627 (Yellow) or an equivalent as proven by the contractor shall be used to stripe standard parking stalls, "ADA HC Single Accessible" parking stalls, "ADA HC Van Accessible" parking stalls, access aisles/routes, directional markings, traffic lanes, stop bars, curbing, fire lanes, and all other existing entrance, drive, and parking lot painting shall be included in the proposal for re-striping/re-painting.

Section IV

The owner reserves the right to complete the project in phases. The owner also reserves the right to award the bid in whole or in parts based on available funding.

Project Completion Date: Except when weather conditions make completion date impossible, awarded projects are to be completed on or before July 24, 2016. Contractor's proposals should include tentative completion dates. A penalty of \$250 due to the owner will be imposed for every day the project continues after July 24, 2015.

Section V:

Warranty- Contractor shall warranty application and workmanship for asphalt restoration, asphalt overlay, sealcoat, and re-striping/re-painting: 1): Asphalt restoration and asphalt overlay shall be warranted from raveling, potholes, and alligating for minimum of 2- years from date of application. 2): Sealcoat and re-striping/re-painting shall be warranted from washing-off and/or peeling-off and/or abnormal wearing-off for 1-year from date of application