

RFI Questions Bid # 107-20 Asphalt Paving

- Materials Specs (Bid packet does not contain materials specs)
 - Materials shall be per drawings, Geotechnical Report, and S.S.P.W.C. Green Book 2018. Every asphalt area shall have 2 coats of seal coat applied a minimum of 15 days after the asphalt is laid. The seal coat should comply with S.S.P.W.C. Green Book 2018 section 203-9.
- Will Herbicide application be required?
 - If herbicides are required, contractor will need to use what is on the District's approved product list (Roundup or glyphosate products are not allowed). We are exploring glufosinate alternatives in limited circumstances, including asphalt maintenance projects. The Contractor must provide the District 5 days' prior notice before any application.
- Will Prime Coat application be required?
 - Prime coat is not required. A tack coat is to be applied on existing hard surfaced pavement abutting new asphalt paving per S.S.P.W.C. Green Book 2018 section 302-5.4.
- For proposed recommended pavement sections can we reuse and stockpile on site the existing CMB Rock Base during demolition for paving operations?
 - Aggregate base resulting from demolition of existing pavements is generally not suitable for use as CMB for new pavements, since it becomes contaminated with soil during the demolition process. It can, however, be used as general fill material.
- In reference to Alternative Pavement Design Recommendation, how many compaction lifts for the AC at: 6.5" inches thick at: 8" inches thick and at: 10" inches thick. (Traffic Index 4-6)
 - Lift thickness is a means and methods issue, not subject to geotechnical recommendations. From our standpoint, the main concern is compaction. If the lifts are thin enough to allow 95% compaction, it will be suitable. However, here is some guidance published by the Asphalt Institute:
 - Minimum lift thickness should be at least 3 times the nominal maximum aggregate size to ensure aggregates can align themselves during compaction to achieve required density and also to ensure mix is impermeable. The maximum lift thickness is also dependent on the type of compaction equipment being used. When static steel-wheeled rollers are used, the maximum lift thickness that can be properly compacted is 3 inches. When pneumatic or vibratory roller is used, the maximum lift thickness that can be compacted is almost unlimited. Generally, lift

thicknesses are limited to 6 or 8 inches. Proper placement becomes a problem in lifts thicker than 6 or 8 inches. For open-graded mixes, compaction is not an issue since it is intended that these types of mixes remain very open. Therefore, the maximum size aggregate can be as much as 80 percent of the lift thickness.

- Since the new asphalt we be seal coated and restriped, will TEMP STRIPING be required for this bid package?
 - Contractor will provide an add alt for temporary striping. If the project is completed in sufficient time to allow seal coat and striping well in advance of staff return to work on 8/17, temporary striping will not be required and a credit will be given at the contractor's bid price.
- Unable to locate specs for the DG?
 - Remove DG from scope of work?
- All Sites-For the erosion control fence are you requiring the fence to have privacy/windscreen protection?
 - I don't see a need for windscreen for visibility, unless it is required for dust control?
- At Killybrooke- Sheet C2.1 the legend appears to be incorrect by showing 3.5"ac/14" ab in the playground area instead of the parking lot. Can you confirm that this is correct?
 - I believe the updated drawings corrected this.
- At Killybrooke Sheet C2.1 the legend for the proposed DG Path shows the area but I could not find information on the depth or type of material needed
 - Remove from scope
- At Wilson Sheet Note 3 indicates construction of speed humps but there is no detail.
- All Sites: The geotechnical report on page 4 under site preparation indicates that as alternative asphalt debris may be pulverized and incorporated into new structural fills or it may be crushed and made into crushed misc. base, is this acceptable to the District as an alternative to off haul and importing all new base rock?
 - Yes, we are OK with using crushed and pulverized AC and base as fill soils, provided that the material is well-graded and 2-inch minus. If crushed AC is to be made into CMB, the crushing procedure must be carefully monitored, so that the resultant product meets Greenbook specs for CMB.

- All Sites: The geotechnical report on page 5 states that as an alternative to rock stabilization, the planned pavement subgrade may be stabilized by cement treatment...Cement stabilization would also increase the R Value of the subgrade materials which would result in a thinner pavement section. Are we allowed to use this option and if so what would be the expected thickness of a thinner pavement section?
 - Cement treated subgrade would only be beneficial at Killybrooke, Wilson and College Park, which all have poor quality subgrade soils. If cement treatment is used at these schools, it would allow the pavement sections for Mariners and Woodland to be used at Killybrooke, Wilson and College Park. Per the soils report:

As discussed previously, cement treatment of the low strength subgrade soils at Killybrooke, Wilson, and College Park schools is a potential option. Cement treatment will help to create a stable pavement subgrade, and will also increase the pavement support characteristics of the existing soils. Cement treated soils are expected to possess an R-value of 50. Therefore, if cement treatment is performed at one of these three school sites, the new pavements may be designed using the sections presented below for Mariners and Woodland schools.

- All Sites: The geotechnical report for Alternative Pavement Design Recommendations indicates the full depth paving of TI4,5 and 6 can you define which areas correspond to those indexes?
 - You can cross reference the detail to the report to determine the traffic index for each location. Parking lots are TI 5.0, and 6.0 in the trash aisle. Playgrounds are TI 4.0.
- Can Kinder Blacktop and Mariners Parking Lot be done same mobilization? (Same TIME)
 - Yes