

GENERAL NOTES

1. For preliminary plan quantities of pavement materials, the following rates of application were used:  
 Tack Coat Diluted Emulsified Asphalt.....@ 0.1 Gals./Sq. Yd.  
 Hot Mix Asphalt (Grade SX)(100)(76-28).....@ 110 Lbs./Sq. Yd./Inch
2. Diluted emulsified asphalt for tack coat shall consist of 1 part emulsified asphalt and 1 part water.
3. Water shall be used as a dust palliative where required. Locations shall be as directed by the Engineer.
4. The following shall be furnished with each bituminous paver:
  1. A ski type device at least 30 Feet in length.
  2. Short ski or shoe.
5. Any layer of Hot Mix Asphalt that is to have a succeeding layer placed thereon shall be completed full width before succeeding layer is placed.
6. Asphalt joints shall be constructed in accordance to Section 401.16 of the Standard Specifications. A longitudinal joint and pavement marking plan shall be submitted at least 3 days prior to the pre-pave conference.
7. All travel lanes are subject to smoothness incentive/disincentive payments. Asphalt Pavement smoothness incentive/disincentive shall be MRI Category I and shall be based on Inches/Mile. Portland Cement Concrete Construction (PCCP) smoothness incentive/disincentive shall be MRI Category II and shall be based on Inches/Mile. The new pavement does not have to match the existing curb and gutter.
8. The Contractor shall not park any vehicles or equipment in, or disturb any areas not approved by the Engineer.
9. Prior to placing any Hot Mix Asphalt, the paved or milled surface shall be swept and cleaned. This will not be paid for separately, but shall be included in the cost of the Hot Mix Asphalt Pavement or Removal of Asphalt Mat items.
10. The Contractor shall coordinate the shouldering operation such that full compliance to the existing grades is obtained on a daily basis following the paving operation for the affected area unless otherwise approved by the Engineer.
11. The pavement shall be cut to a neat line as directed by the Engineer. This will not be paid for separately, but shall be included in the Hot Mix Asphalt Pavement item.
12. Excavation required for compaction of bases of cuts and fills will be considered as subsidiary to that operation and will not be paid for separately.
13. It is estimated that **2 Sanitary Facility (EA)** will be required on this project for use by CDOT staff only and shall be paid for under 620 Sanitary Facilities (EA). The Contractor shall clean the sanitary facilities twice per week. The cost of cleaning will not be paid for separately, but shall be included in the cost of the item. The Contractor is required to provide sanitary facilities for construction personnel in compliance with OSHA requirements no additional cost to the project.
14. It is estimated that **1 Field Office (Class 2) (EA)** and **1 Field Laboratory (Class 2) (EA)** shall be required on this project.
15. It is estimated that **1 Public Information Services (Tier III) (LS)** will be required on this project.
16. It is estimated that **38 hours** will be required for **Potholing**. The Contractor shall be responsible for contacting and coordinating with the appropriate utility representatives to be onsite during potholing and shall likewise be responsible for determining the type and location of underground utilities as maybe necessary to avoid damage thereto. The Contractor shall refer to the utility specification for additional requirements.
17. It is estimated that **472 tons of Hot Mix Asphalt Pavement (patching)** will be required on this project. It is assumed that 172 tons will be required for widening at guardrail locations as indicated in the M&S standard plans. The remaining asphalt patching may be used for detours installed and shall be as directed by the Engineer.
18. No Right-Of-Way acquisition will be needed for this project. All work will be completed entirely within the existing Right-Of-Way.
19. Where new pavement is to abut existing pavement, the existing pavement shall be removed to a neat vertical line using a cutting saw or other method as approved by the Engineer. Saw cutting asphalt will not be paid for separately, but shall be included in the cost of Removal of Asphalt Mat.
20. All surveying necessary to complete the project shall be paid for as **625 Construction Survey (LS)**.
21. The Contractor shall protect all existing survey monumentation designated to remain from damage during construction operations. Any monuments disturbed by the Contractor that are not designated for relocation, shall be reset at the Contractor's expense. The Contractor and Engineer shall note those monuments in the field prior to construction. See Tabulation of Survey.
22. The Contractor shall submit a concrete pavement joint plan to the Engineer 10 days prior to beginning and Portland cement concrete construction.
23. It is estimated that **52,300 LF** of concrete safety edge shall be required and shall be paid for as **Concrete Safety Edge (LF)**.
24. It is estimated that Geogrid Reinforcement may be required at locations where the subgrade is unacceptable. The use of the Geogrid Reinforcement shall be paid for under **Stabilization (F.A.)** and shall be used at the discretion of the Engineer.
25. The minimum thickness of topsoil shall be **4 Inches**. It is estimated that **8070 Cu. Yds.** will be required based on the average thickness of **4 Inches** and shall be paid for as **Top Soil (CY)**.
26. Stabilization and Striping may require multiple mobilizations do to phasing of the project. The additional mobilizations shall not be paid for separately, but shall be included in the cost of the work.
27. Utility lines shown on the plan sheets are plotted from the best available information. The Contractor's attention is directed to subsection 105.11 of the Standard Specifications concerning utilities. The Contractor shall comply with article 1.5 of title 9, CRS ("excavation requirements") when excavating or grading is planned in areas of underground utilities. The Contractor shall notify all the affected utilities a least 2 business days, not including the actual day of notice, prior to commencing such operations. The Contractor shall contact the utility notification center of Colorado at 811 or 800-922-1987, to have lines of UNCC registered lines marked my member companies. UNCC does not locate CDOT owned fiber optic. For CDOT owned utilities call Tony Kerr at 719-251-4201. All other underground facilities shall be located by contacting the respective owners. The Contractor shall be responsible for the verification and protection of all utilities at no additional cost to the project.

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