

GENERAL NOTES

1. For final plan quantities of pavement materials, the following rates of application were used:
 Hot Mix Asphalt@ 110 Lbs./Sq. Yd./Inch
 Aggregate Base Course Class 6@ 133 Lbs./Cu. Ft.
 Emulsified Asphalt (Slow Setting)@ 0.05 Gal/Sq. Yd. (Diluted)
 Rates of application shall be determined by the engineer at the time of application.
2. Water shall be used as a dust palliative where required. Locations shall be as directed by the Engineer. Included in cost of work.
3. The following shall be furnished with each Hot Mix Asphalt paver:
 A ski type device at least 30 Feet in length.
 Short ski or shoe.
 200 Feet of control line and stakes.
 Any layer of Hot Mix Asphalt pavement that is to have a succeeding layer placed thereon shall be completed full width before succeeding layer is placed.
4. Roadway smoothness for this project shall be MRI Category II.
5. The Contractor shall not park any vehicles or equipment in, or disturb any areas not approved by the Engineer.
6. Millings shall become property of the Contractor.
7. Prior to placing Hot Mix Asphalt pavement, the paved 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 item.
8. The top mat shall be 2" thick and shall be completed to full width of the roadway, which will include the existing and widened highway, unless noted otherwise.
9. Where cutting of asphalt is required such as where new pavement is to abut existing pavement, the cutting shall be done to a neat work line with a saw or cutting wheel as approved by the engineer. This will not be paid for separately, but shall be included in the Hot Mix Asphalt Pavement item.
10. The saw cut line shall be a minimum of 1 ft. from edge of existing roadway.
11. Depth of moisture-density control for this project shall be as follows:
 Full depth of all embankments:
 Bases of cuts and fills 1.0 Feet.
 Full depth of embankment sections used for ditches and channel changes.
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. Proof rolling is part of work, and shall not be paid for separately.
14. The minimum thickness of topsoil shall be 4 Inches.
15. Sulfate exposure on this project is Class 2.
16. It is estimated that **1 LS Clearing and Grubbing** will be required for this project.
17. It is estimated that **53 EA Removal of delineators** will be required for this project.
18. It is estimated that **17,200 LF of Rumble Strip** will be required for this project.
19. It is estimated that a **Field Office (Class 2) - 1 EA** and a **Field Laboratory (Class 2) - 1 EA** will be required on this project.
20. It is estimated that **Sanitary Facility - 2 EA** will be required on this project. Maintenance of sanitary facility shall include a cleaning at least twice a week. This cleaning will not be paid for separately but will be included in the cost of Sanitary Facility.
21. It is estimated that **1 LS Construction Surveying** will be required for this project.
22. It is estimated that **1 LS Public Information Services (Tier III)** will be required for this project.
23. The Contractor shall be responsible to maintain drainage during work.
24. Any rework of materials shall be completed at the Contractor's expense.
25. 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 Each bench mark to be protected by the

- contractor if damaged is estimated at \$50,000 each. The Contractor shall provide a temporary fence around each bench mark. The Contractor and Engineer shall note those monuments in the field prior to construction. See Tabulation of Survey.
26. All material generated within the project limits shall be removed from the project site at no cost to the project unless specified by the plans.
27. Utility lines as shown on the plan sheets are plotted from the best available information. However, J. F. Sato and Associates makes no guarantee as to the accuracy and completeness of the utilities. It is the Contractor's responsibility to field-verify the location of all utilities prior to the start of construction. The Contractor must call the Utility Notification Center Colorado at least two (2) business days, not including the actual day of notice, before any excavation to request the exact field locations of the utilities.
28. All work that pertains to, or otherwise involves, Pueblo Water will be subject to on site observation by Pueblo Water personnel. Contractor shall contact Pueblo Water's Service Department at 719-543-2217 in advance of any activity that is relevant to infrastructure operated by Pueblo Water in order to schedule an observation.
29. All work such as excavation and proposed storm sewer work, in the vicinity of the waste water utility, shall be subject to observation by a waste water inspector. Contractor shall contact Dennis Wells at the City's Waste Water Department (719-320-2904) at least 30 days in advance of any such work.
30. It is estimated that **100 hours** will be required for **potholing**. The contractor will 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 necessary to avoid damage thereto.
31. All utility related work to be completed by the Contractor shall be paid for as **F/A Adjust Utility**. It is expected that this work will include provision of construction traffic control for utility work (if necessary, removal of existing water service line and construction of new water service line.
32. The Contractor shall repair or replace at his expense any existing signs damaged by the Contractor.
33. The Contractor shall adhere to all load limit requirements for all roads upon which materials are delivered to the project.
34. The Contractor shall limit construction activities to those areas within the limits of disturbance and toes of slopes as shown on the plans and cross sections. The Contractor at his own expense shall restore any disturbance beyond these limits to original condition. Construction activities, in addition to normal construction procedures, shall include the parking of vehicles or equipment, disposal of litter, haul roads and any other action, which would alter existing conditions.
35. Compaction shall be AASHTO T-99 for Unclassified Excavation (CIP) and AASHTO T-180 for Aggregate Base Course (Class 6).
36. The project within City of Pueblo limits will be subject to the City of Pueblo Use Tax.
37. It is estimated that 6 FASTER signs will be required for this project. These signs are to be placed at all entries into the project 100 ft before the first construction sign, and shall be paid for as Construction Traffic Sign (Special). These signs have not been shown in the construction plans.
38. Pavement sections are based on 2 ft of (minimum) R40 material for subgrade.
39. The existing US 50 WB bridge (Structure K-18-AC) may contain asbestos and/or lead based materials, and shall be handled as per Section 250 of the Standard Specifications. Payment for all work and materials necessary to conform to Section 250 shall be paid for under the Force Account - Removal of Asbestos and Lead Based Paint.

Print Date: 3/8/2017	0000	Sheet Revisions			 Colorado Department of Transportation 902 Erie Avenue Pueblo, CO 81001 Phone: 719-562-5509 FAX: 719-546-5702 Region 2	As Constructed	US 50 WEST WESTBOUND GENERAL NOTES			Project No./Code
File Name: 20344DES_GenNotes01.dgn		Date:	Comments	Init.		No Revisions:				STA 0503-085
Horiz. Scale: 1:1 Vert. Scale:						Revised:	Designer: ACE	Structure Numbers		20344
 J.F. SATO AND ASSOCIATES 5898 South Rapp Street Littleton, Colorado 80120					Void:	Detailer: ACE		Sheet Number	3	
						Subset: GenNotes	Subset Sheets: 01 of 01			

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