

GENERAL NOTES

1. For preliminary plan quantities of pavement material, the following rates of application were used:

Hydrated Lime	@ 6.6 Lbs. / SY CIPR
Recycling Agent	@ 1.85 Gal / SY CIPR
Hot Mix Asphalt (Grading 75 ST)	@ 110 Lbs. / (SY Inch)
Tack Coat Undiluted Emul. Asphalt (Slow Settings)	@ 0.05 Gal. / SY (Undiluted)
Aggregate Base Course (Class 6)	@ 133 Lbs. / CF

2. Diluted emulsified asphalt for tack coat shall consist of 1 part water and 1 part emulsified asphalt. Rates of application shall be determined by the Engineer at the time of application.

3. The following shall be furnished with each bituminous paver.

- A. A ski type device at least 30 feet in length.
- B. A short ski or shoe.
- C. 6 inch shoe is required

4. All measurements were developed using the existing location of MP 52 for site A and MP 77 for site B as the origin. Stationing is approximate and was measured by a vehicle distance meter calibrated to 1000 LF.

5. It is estimated that 35 tons of Hot Mix Asphalt (Patching) (Asphalt) will be required for miscellaneous cracks, potholes and normal wear throughout the project. Locations will be determined by the Engineer in the field. It is estimated that 70 tons of hot mix asphalt (patching) will be required for paving the flared end section guardrail treatments. The total estimated amount of Hot Mix Asphalt (Patching) (Asphalt) is 105 tons.

6. Construction survey shall include staking the length of the project with location markings adjacent to the roadway every 500 feet to accommodate collection of delivery tickets and to record sample locations.

7. The Contractor shall maintain access to affected property owners at all times during construction.

8. The Contractor shall ensure that all work is performed within the existing right of way of the project.

9. Shoulder gravel shall not be dumped on the asphalt pavement and bladed to the shoulders. Gravel shall be dumped on the shoulder by side-dump equipment or other methods approved by the Engineer

10. The Contractor shall log the type, size, color and location of existing lane marking for duplication. The Contractor shall lay out all lane marking on the new surface as logged for final striping. This work will not be measured and paid for separately, but will be included in bid item 627 - Modified Epoxy Pavement Marking (Inlaid).

11. Contractor shall contact Traffic Operations – Eric Lundberg 719-546-5405 10 days prior to laying out new pavement markings to verify.

12. It is estimated that 5340 gals (2671 gallons yellow and 2669 gallons white) of Pavement Marking Paint (Waterborne) will be required. Full compliance striping shall be in place at the end of each day.

13. It is estimated that 2494 gals (1169 gallons yellow and 1325 gallons white) of Modified Epoxy Pavement marking (inlaid) will be required. The final striping shall begin at a point that matches the adjacent striping location and spacing.

14. Mobile pavement marking zone requirements apply only to the final striping Modified Epoxy Pavement Marking (Inlaid) application.

15. Where it is required to cut existing asphalt the cutting shall be done to a neat work line with a saw as approved by the Engineer. This work will not be paid for separately but shall be included in the cost of the work.

16. Excavation, compaction, and blading required to complete the approaches and pullouts shall not be paid for separately, but shall be included in the work.

17. The pavement smoothness category is MRI Cat I.

18. It is estimated that the following items will be required for this project:

Potholing	(203-01597)	40 Hours
Field Office (Class 2)	(620-00002)	1 Each
Field Laboratory (Class 2)	(620-00012)	1 Each
Sanitary Facility	(620-00020)	1 Each
Construction Surveying	(625-00000)	1 Lump sum
Mobilization	(626-00000)	1 Lump sum
Mobile pavement marking	(630-80510)	1 Lump sum
Impact attenuator (temporary)	(630-85011)	100 Days

19. This is a non-significant project.

20. All Type 3 Guardrail shall be 10 gauge weathering steel in USFS areas and shall be included in the cost of the work.

21. The Contractor shall use items 211-00100 Drilling Hole and 211-02275 Cement Grout to fill voids in the subgrade as approved by the Engineer.

22. All material from Unclassified Excavation (CIP) shall become property of the Contractor.

23. 80% of all milling material shall be stockpiled at MP 58.32 for Site A and MP 85 for Site B, unless otherwise approved by the Engineer. This shall be in accordance with Revision of Section 202 – Removal of Asphalt Mat (Planing). All costs associated with stockpiling the material shall be incidental to the work.

24. Contractor shall not perform night work unless approved by the Engineer. Engineer shall contact CDOT Environmental Craig Clark for coordination.

Note for projects without CDPS permits:

A CDPS stormwater permit has not been acquired for this project since the anticipated disturbance area is under 1-acre. The Contractor shall submit a stormwater method statement detailing disturbance activities (e.g. blading, ditch work, staging on vegetation, exposure of roadway sub-base, etc.) Associated with the project at least 10-days prior to the pre-construction meeting. If the Contractor anticipates or exceeds 1-acre of disturbance, no earth disturbing activities will be authorized until a permit is acquired by CDOT. Additional costs or delays due to Contractor negligence or oversight are included in the cost of the work. In order to complete this project without a CDPS permit the following conditions apply:

- 1. Shouldering material shall be compacted immediately after placement.
- 2. Staging and overnight parking areas will occur on pre-existing pull-outs areas as practical and be pre-approved by the CDOT.
- 3. State waters and wetlands will be flagged prior to construction and the Contractor will not to shoulder adjacent to these areas.

BMPs will be implemented and maintained to protect state waters and sensitive areas from pollutant sources.



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Print Date: 2/27/2017		Sheet Revisions			<p>Colorado Department of Transportation 1480 Quail Lake Loop, Suite A Colorado Springs, CO 80906 Phone: 719-227-3231 FAX: 719-227-3298 Region 2 DLH</p>	As Constructed		GENERAL NOTES			Project No./Code	
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Horiz. Scale: 1:1 Vert. Scale: As Noted						Revised:	Designer: AWG	Structure Numbers			21254	
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