

SH 45 MP 4.86 To 8.73				
Design Parameters				
	FDR/PCCP	Mill/Fill		
Design Life:	30	10		
18-Kip ESALS:	8,155,000	1,639,218		
Heavy Trucks (Cumulative):	5,069,260	1,647,810		
Operational Speed (MPH):	55	55		
Joint Spacing (ft):	15	----		
Dowel Diameter (in):	1.5	----		
Slab Width (ft):	12	----		
Effective Binder Content (%):	----	11.3		
Voids (%):	----	6.7		
FDR Thickness (in):	8	----		
Milling Thickness (in):	----	2.5		
Pavement Thickness (in):	8.25	2.5		
HMA Grading:	----	SX		
HMA Design Gyration:	----	100		
HMA Grading (top lift):	----	PG 76-28		
HMA Grading (bottom lifts):	----	----		
Distress Prediction Summary				
	Target	Predicted	Target	Predicted
Terminal IRI (in/mile):	200	142.62	200	132.94
Reliability (%):	95	99.98	95	100
Mean Joint Faulting (in):	0.14	0.05	----	----
Reliability (%):	95	100	----	----
JPCP Transverse Cracking (% slabs):	3	2.47	----	----
Reliability (%):	95	97.72	----	----
Permanent Deformation (in):	----	----	0.65	0.28
Reliability (%):	----	----	95	100
AC Thermal Cracking (ft/mile):	----	----	1500	1
Reliability (%):	----	----	50	100
AC Bottom-Up Fatigue Cracking (%):	----	----	20	0
Reliability (%):	----	----	95	100
AC Top-Down Fatigue Cracking (ft/mile):	----	----	2500	2090.77
Reliability (%):	----	----	95	97.58
Permanent Deformation - AC Only (in):	----	----	0.5	0.28
Reliability (%):	----	----	95	100

SUMMARY OF EARTHWORK QUANTITIES		
<b>EMBANKMENT MATERIAL (COMPLETE IN PLACE)(NET)</b>		<b>CUBIC YARDS</b>
FOR ROADWAY (FDR Shouldering):	REGULAR EMBANKMENT	5,722
<b>TOTAL</b>		<b>5,722</b>
<b>FOR INFORMATION ONLY</b>		
<b>UNCLASSIFIED EXCAVATION</b>		<b>CUBIC YARDS</b>
FOR ROADWAY (Concrete Rebuild)		10,244
FOR ROADWAY (FDR)		8,556
FOR CUT SLOPE TREATMENT		940
<b>TOTAL</b>		<b>19,740</b>
<b>EARTHWORK QUANTITIES BALANCE</b>		
<b>UNCLASSIFIED EXCAVATION</b>		<b>CUBIC YARDS</b>
TOTAL UNCLASSIFIED EXCAVATION		19,740
<b>TOTAL</b>		<b>19,740</b>
<b>EMBANKMENT (NET)</b>		
<b>TOTAL</b>		<b>5,722</b>

Print Date: 3/7/2017	Sheet Revisions			Colorado Department of Transportation		As Constructed	EARTHWORK QUANTITIES AND PAVEMENT DATA		Project No./Code
File Name: 20755DES_EarthworkQuant01.dgn	Date:	Comments	Init.	 902 Erie Avenue Pueblo, CO 81001 Phone: 719-562-5509 FAX: 719-546-5702 Region 2 DTD	No Revisions:			STM SH45-001	
Horiz. Scale: 1:1      Vert. Scale: As Noted					Revised:	Designer: LEP	Structure Numbers	20755	
Unit Information      Unit Leader DTD					Void:	Detailer: LEP	Subset Sheets: 01 of 01	Sheet Number 19	
						Sheet Subset: EARTH			

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