

Maintenance Selection Manual for
Maintenance of Pavements with Chemically
Stabilized Layers
Highway Pavements
1998

The following manual was assembled by TTI as part of the “Maintenance of Pavements with Chemically Stabilized Layers” project. The purpose of this manual is to provide guidance on what maintenance strategy or technique to use for stabilized pavements in different conditions.

To use this manual, select the predominant distress case from the choices of 1 - Transverse Cracking, 2 - Longitudinal Cracking, 3 - Rutting, 4 - Alligator Cracking, 5 - Swell/Roughness, or 6 - Failures, then select the appropriate categories of extent, severity, traffic, etc. until the strategy or treatment is identified. The TxDOT PMIS manual was used for the description and severity of each distress (1). The PMIS description and pictures of each distress are included below. In each district, the following description of each element was used. For the purpose of this discussion, we will proceed across a block of the selection process and describe each element. When moving to a new line or block, only the new items will be discussed.

Except for the initial performance period, most pavements do not exhibit only a single type of distress. For example, rutting is often accompanied, or followed, by alligator cracking while transverse cracking is accompanied by longitudinal cracking. However, to have a simple, usable matrix the strategy selection process had to be based on a single dominant distress. If the pavement has substantial amounts of multiple distresses, the procedure should be analyzed for each one and the most corrective treatment chosen.

Predominant Distress - For this pavement, determine which distress is the primary reason for maintenance of this pavement. The procedure can be rerun with a different distress to assess the impact on the treatment assignment. Normally, the more comprehensive treatment would be selected. For example, if crack sealing was the result of one run, and seal coat was the result of using a different distress, seal coat would be selected.

Case 1, the predominant distress is Transverse Cracking

Transverse Cracking - “Transverse cracking consists of cracks or breaks which travel at right angles to the pavement centerline (Figure 1). Joint cracks and reflective cracks may also be rated as transverse cracking. Transverse cracks are usually caused by differential movement beneath the pavement surface. They may also be caused by surface shrinkage due to extreme temperature variations.” (TxDOT 1998)

What is the approximate spacing between transverse cracks?

Crack Spacing - > 40' For a given pavement with only transverse cracking, assume that the crack spacing is >40'. One way to visualize this is 40' spacing is about one crack every centerline paint stripe.

Crack Spacing - 15'-40' In this case, assume the crack spacing is generally about 30'.

Crack Spacing - < 15' Assume that cracks are now spaced every 10' - 15'.

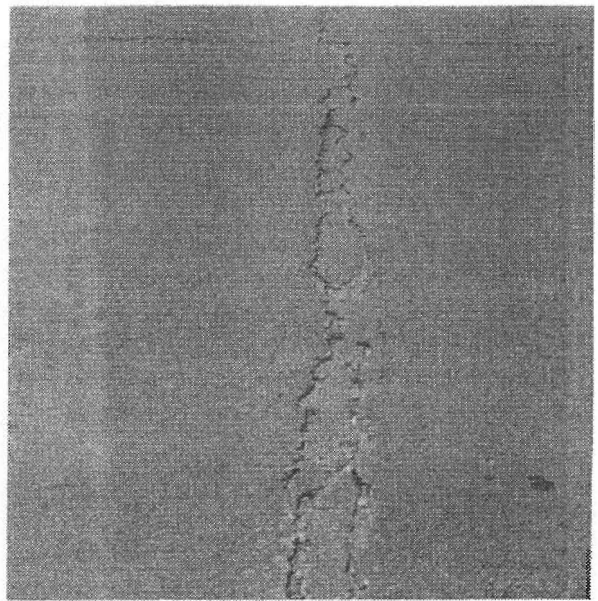
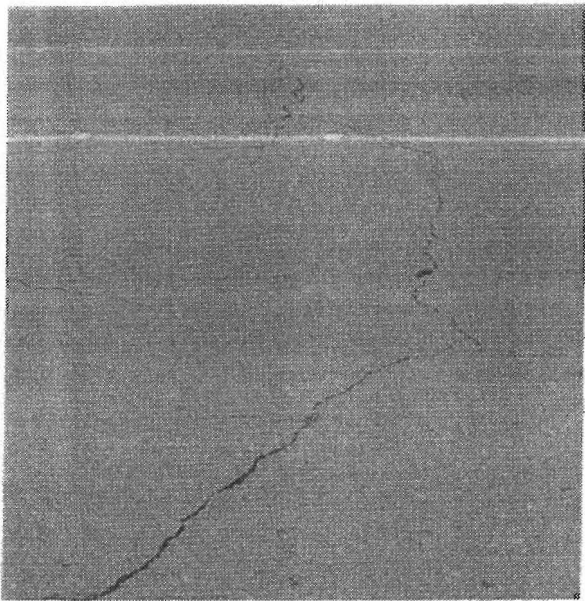


Figure 1. Example of Transverse Cracking (TxDOT 1998)

What is the typical severity of the cracks? Remember, small areas can be patched.

<u>Severity</u> -	Mostly tight	These cracks are tight or hairline, about 1/16" to 1/8" wide. They are difficult to see unless after a rain or when stopped along the road and looking towards the sun.
<u>Severity</u> -	Open, < 1/2"	These cracks are easy to see, even while driving. They are wider than the tight cracks described above, but are not spalled. These are easy to crack seal.
<u>Severity</u> -	> 1/2" or Deteriorated	These cracks are wide enough to be felt while driving and are easily visible. Small areas may be deteriorated, especially in the wheel paths.
<u>Severity</u> -	Cupped or Tented	These cracks are a difficult type of crack to repair. They are very rough and are usually caused by infiltration (tent) or pumping (cup) of the material. These cracks are somewhat rare in Texas, but if encountered can be difficult to address.

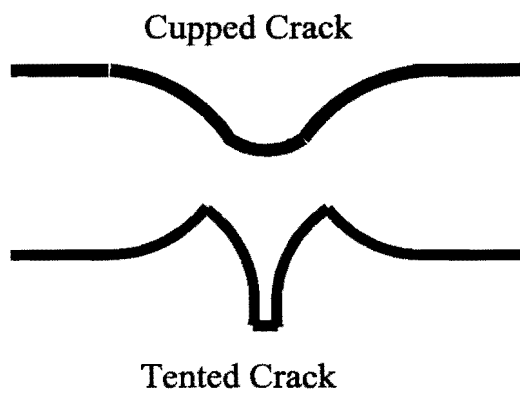


Figure 2. Example of Cupped and Tented Cracks

What is the traffic level or importance of the road?

<u>Traffic Level - or Importance</u>	Low	Think of a typical low-volume FM road that doesn't carry much traffic.
<u>Traffic Level - or Importance</u>	Medium	A US highway, state route, or a high-volume FM road are examples that can be used.
<u>Traffic Level - or Importance</u>	High	Typically, an interstate or high-volume US highway in the district is used as the example.

Based on the categories discussed above and the purpose of the maintenance, what treatment strategy would be used?

<u>Strategy</u> -	Action if Only Localized	What do you do if the transverse cracking is only in one small area of about 200' long?
<u>Strategy</u> -	Short-term Repair 1 - 2 Years	What do you do if you are just trying to hold the pavement for a year or two until a major or more appropriate treatment can be scheduled?
<u>Strategy</u> -	Long-term Treatment 3+ Years	What is the appropriate long-term treatment for this road?

Case 2, the predominant distress is Longitudinal Cracking

Longitudinal Cracking - “Longitudinal cracking consists of cracks or breaks which run approximately parallel to the pavement centerline. Edge cracks, joints or slab cracks, and reflective cracking on composite pavement (i.e., overlaid concrete pavement) may all be rated as longitudinal cracking. Differential movement beneath the surface is the primary cause of longitudinal cracking.” (TxDOT 1998)

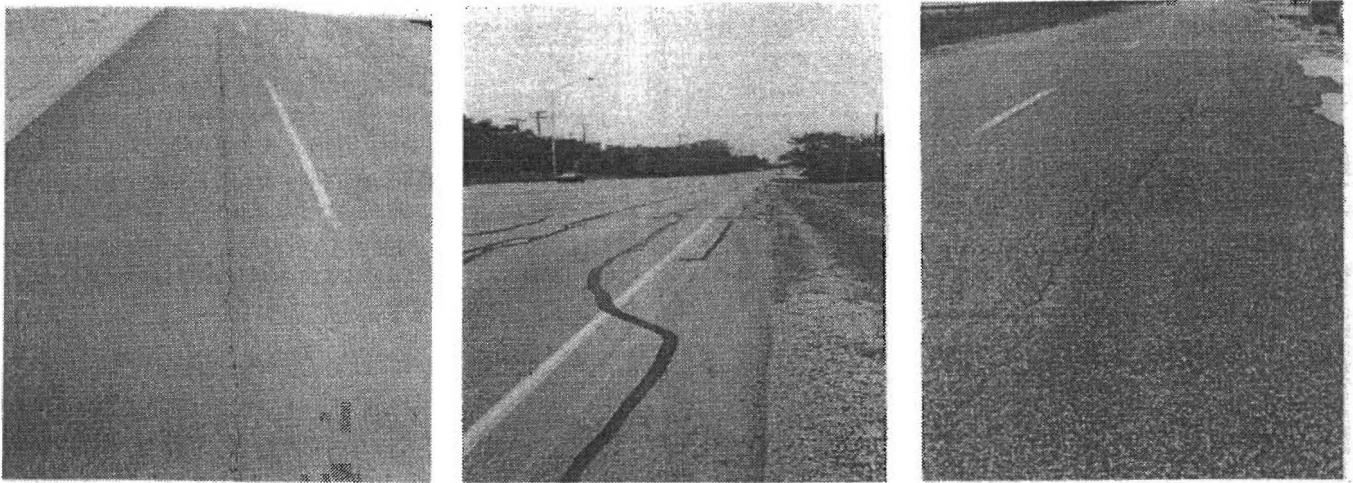


Figure 3. Examples of Longitudinal Cracking (TxDOT 1998)

What is the approximate number of longitudinal cracks?

- | | | |
|------------------------|--------------|--|
| <u>Crack Spacing</u> - | > Lane Width | Assume that there is only one crack for both lanes. |
| <u>Crack Spacing</u> - | 1 Per Lane | In this case, there is one crack in each lane. |
| <u>Crack Spacing</u> - | > 1 per Lane | For this case, there is more than one crack per lane. Usually this case has some faulting or dishing out of the outer crack in the outside lane. |

What is the typical severity of the cracks? Remember, small areas can be patched.

<u>Severity</u> -	Mostly tight	These cracks are tight or hairline, about 1/16" to 1/8" wide. They are difficult to see unless after a rain or when stopped along the road and looking towards the sun.
<u>Severity</u> -	Open, < 1/2"	These cracks are easy to see, even while driving. They are wider than the tight cracks described above, but are not spalled. These are easy to crack seal.
<u>Severity</u> -	> 1/2" or Deteriorated	These cracks are wide enough to be felt while driving and are easily visible. Small areas may be deteriorated and there may be faulting or spalling of the cracks.

Traffic Level or Importance, and Strategy Selection are the same as for Transverse Cracking.

Case 3, the predominant distress is Rutting

Rutting - “A rut is a longitudinal surface depression in a wheelpath (Figure 4). Rutting in the rated lane may be observed in one or both wheelpaths. Rutting is caused by consolidation or lateral movement of the pavement materials due to traffic loads. Significant amounts of rutting indicate that one or more of the pavement layers is inadequate. Rutting is indicative of a structural problem and may lead to the onset of serious structural failures.” (TxDOT 1998)

What is the extent of the rutting?

<u># Lanes</u> -	1 Wheelpath	Assume that the rutting is only in one wheelpath.
<u># Lanes</u> -	Both Wheelpaths	What do you do if both wheelpaths are rutted?

What is the typical depth of the rutting?

Severity - $\frac{1}{2}$ " to 1" The rutting is defined as shallow and may be difficult to see.

Severity - > 1" The rutting is deep, will hold considerable water, and is easy to see, even while driving. If the rut is greater than 2", use the criteria for failures.

Traffic Level or Importance, and Strategy Selection are the same as for Transverse Cracking.

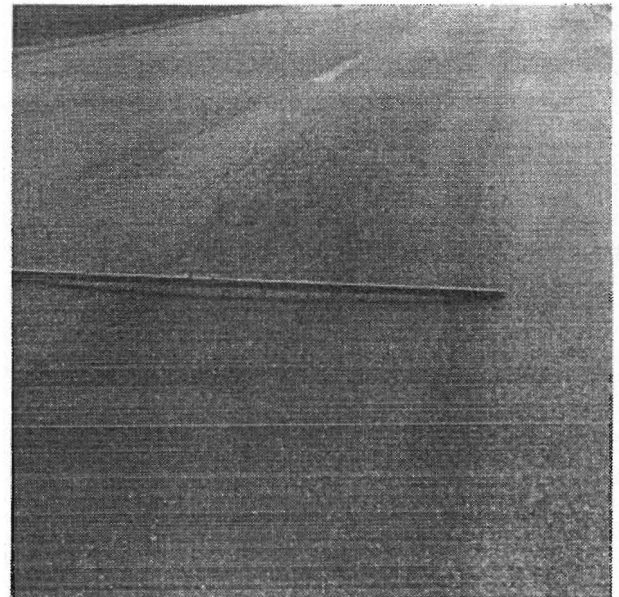


Figure 4. Examples of Rutting (TxDOT 1998)

Case 4, the predominant distress is Alligator Cracking

Alligator Cracking - “Alligator cracking consists of interconnecting cracks which form small, irregularly-shaped blocks which resemble the patterns found on an alligator’s skin (Figure 5). Blocks formed by alligator cracks are less than 1 foot by 1 foot (0.3 meter by 0.3 meter). Larger blocks should be rated as block cracking.

Alligator cracks are formed whenever the pavement surface is repeatedly flexed under traffic loads. As a result, alligator cracking may indicate improper design or weak structural layers. Alligator cracking may also be caused by heavily-loaded vehicles.” (TxDOT 1998)

What is the extent of the alligator cracking?

Lanes - 1 Wheelpath Assume that the alligator cracking is only in one wheelpath.

Lanes - Both Wheelpaths What do you do if both wheelpaths have alligator cracking?

What is the severity of the alligator cracking?

Severity - Minor Not too extensive, cracking not too severe.

Severity - Major Alligator cracking is extensive, nearly continuous throughout the section, and the cracking is severe, but not yet a failure.

Traffic Level or Importance and Strategy Selection are the same as for Transverse Cracking.

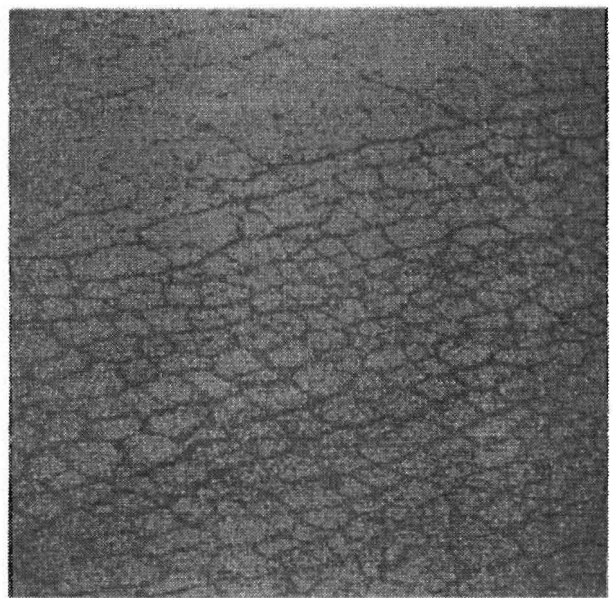
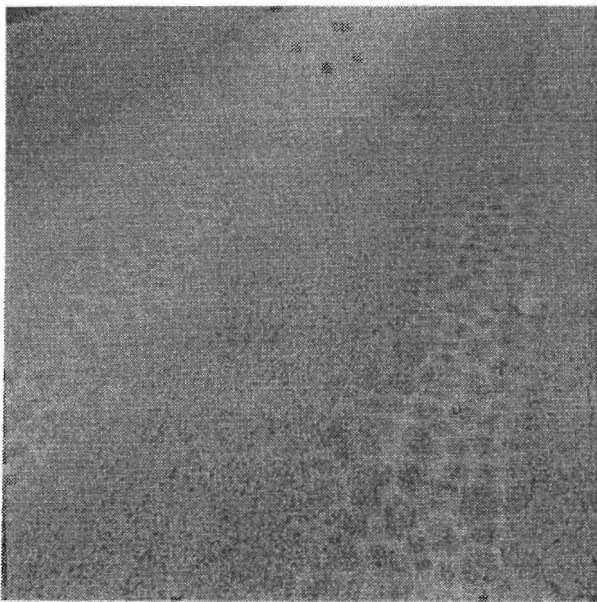


Figure 5. Examples of Alligator Cracking (TxDOT 1998)

Case 5, the predominant distress is Swelling or general Roughness

Swell/Roughness - Swelling is the uplift of an area of pavement caused by soils that absorb large quantities of water or by a chemical reaction that causes expansion. Roughness is a general discomfort to the driver caused by irregularities in the pavement surface.

What is the severity of the roughness?

<u>Severity</u> -	Some Roughness	The pavement is moderately rough with some discomfort to the driver. Probably receiving some complaints.
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<u>Severity</u> -	Rough	The pavement causes discomfort and it is somewhat difficult to drive.
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Traffic Level or Importance, and Strategy Selection are the same as for Transverse Cracking.

Case 6, the predominant distress is Failures

Failures - “A failure is a localized section of pavement where the surface has been severely eroded, badly cracked, or depressed (Figure 6). Failures are important to rate because they identify specific structural deficiencies which may pose safety hazards.
Severe alligator cracking should be rated as a failure if the base is exposed, except that severe alligator cracking on a thin surface treatment pavement is not a failure if the base layer is exposed but in good condition.” (TxDOT 1998)

What is the extent of the failures?

<u>Few or Many</u> -	Few	Few failures, less than 10 per mile.
<u>Few o Many</u> -	Many	Many failures, more than 10 per mile.

Traffic Level or Importance, and Strategy Selection are the same as for Transverse Cracking.



Figure 6. Examples of Failures (TxDOT 1998)

The following are the responses from each of the Districts and the name of the persons in that District who participated in completing the maintenance selection process. Typically, each District would copy only their responses and distribute them to their personnel.

Abilene

Predominant Crack Distress		Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Transverse Cracking	>40'	Mostly tight	Low	Monitor	Monitor	Monitor
			Medium	Monitor	Monitor	Monitor
			High	Crack seal	Crack seal	Crack seal
	Open, < 1/2"		Low	Crack seal	Seal coat	Crack seal and seal coat
			Medium	Crack seal	Seal coat	Crack seal and rubberized seal coat
			High	Crack seal	Crack seal and seal coat	Crack seal and rubberized seal coat
	>1/2" or deteriorated		Low	Crack seal and strip seal	Seal coat	Rehabilitate
			Medium	Patch and crack seal	Crack seal and hot mix	Rehabilitate
			High	Patch and crack seal	Crack seal and hot mix	Rehabilitate
	Cupped or Tented		Low	Crack seal	Monitor	Monitor
			Medium	Patch and crack seal	Joint repair	Joint repair
			High	Patch and crack seal	Joint repair	Joint repair
15' - 40'	Mostly tight	Low	Crack seal	Seal coat	Seal coat	
		Medium	Crack seal	Seal coat	Seal coat	
		High	Crack seal	Seal coat	Seal coat	
	Open, < 1/2"		Low	Crack seal	Seal coat	Seal coat
			Medium	Crack seal	Seal coat	Hot mix overlay
			High	Crack seal	Hot mix overlay	Rehabilitate
	>1/2" or deteriorated		Low	Patch and crack seal	Seal coat	Rehabilitate
			Medium	Patch and crack seal	Rehabilitate	Rehabilitate
			High	Patch and crack seal	Rehabilitate	Rehabilitate
	Cupped or Tented		Low	Patch and crack seal	Monitor	Monitor
			Medium	Patch and crack seal	Joint repair	Joint repair
			High	Patch and crack seal	Joint repair	Rehabilitate
<15'	Mostly tight	Low	Crack seal	Seal coat	Seal coat	
		Medium	Crack seal	Seal coat	Seal coat	
		High	Crack seal	Seal coat	Hot mix overlay	
	Open, < 1/2"		Low	Crack seal	Seal coat	Hot mix overlay
			Medium	Crack seal	Hot mix overlay	Rehabilitate
			High	Crack seal	Rehabilitate	Rehabilitate
	>1/2" or deteriorated		Low	Patch and crack seal	Rehabilitate	Rehabilitate
			Medium	Patch and crack seal	Rehabilitate	Reconstruction
			High	Patch and crack seal	Reconstruction	Reconstruction
	Cupped or Tented		Low	Patch and crack seal	Joint repair	Joint repair
			Medium	Patch and crack seal	Rehabilitate	Rehabilitate
			High	Patch and crack seal	Rehabilitate	Rehabilitate

Abilene (Cont)

Predominant Crack Spacing	Traffic Level	Action if Only	Short-term Repair	Long-term Treatment		
Distress (Across) Severity	or Importance	Localized	1-2 Years	3+ Years		
Longitudinal >Lane Width Cracking	Mostly tight	Low	Monitor	Monitor	Monitor	
		Medium	Crack seal	Crack seal	Crack seal	
		High	Crack seal	Crack seal	Plant mix seal or hot mix overlay	
	Open, < 1/2"	Low	Crack seal	Crack seal	Seal coat	
		Medium	Crack seal	Crack seal	Crack seal and rubberized seal coat	
		High	Crack seal	Crack seal and hot mix overlay	Crack seal and hot mix overlay	
	>1/2" or deteriorated	Low	Crack seal	Patch and crack seal	Patch and hot mix overlay	
		Medium	Patch and crack seal	Patch and hot mix overlay	Rehabilitate	
		High	Patch and crack seal	Patch and hot mix overlay	Rehabilitate	
	1 per lane	Mostly tight	Low	Crack seal	Seal coat	Seal coat
			Medium	Crack seal	Seal coat	Seal coat
			High	Crack seal	Seal coat	Seal coat
Open, < 1/2"		Low	Crack seal	Seal coat	Seal coat	
		Medium	Crack seal	Seal coat	Hot mix overlay	
		High	Crack seal	Hot mix	Hot mix overlay	
>1/2" or deteriorated		Low	Crack seal	Rehabilitate	Rehabilitate	
		Medium	Patch and crack seal	Rehabilitate	Rehabilitate	
		High	Patch and crack seal	Rehabilitate	Reconstruct	
>1 per lane		Mostly tight	Low	Seal coat	Seal coat	Seal coat
			Medium	Seal coat	Seal coat	Seal coat
			High	Seal coat	Seal coat	Hot mix overlay
	Open, < 1/2"	Low	Seal coat	Seal coat	Seal coat	
		Medium	Seal coat	Seal coat	Hot mix overlay	
		High	Seal coat	Rehabilitate	Rehabilitate	
	>1/2" or deteriorated	Low	Reconstruct	Rehabilitate	Rehabilitate	
		Medium	Reconstruct	Rehabilitate	Reconstruct	
		High	Reconstruct	Reconstruct	Reconstruct	

Abilene (Cont)

Predominant Distress	# Lanes	Severity	Traffic Level or Importance	Fast or Slow	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Rutting	1 Wheelpath	Low	F	Fill rut	Monitor	Monitor	Monitor
			S	Monitor	Monitor	Monitor	
		0.5" to 1" (Shallow)	F	Fill rut	Monitor	Monitor	Fill rut
			S	Monitor	Monitor	Fill rut	
		High	F	Fill rut	Fill rut	Fill rut	Fill rut
			S	Fill rut	Fill rut	Fill rut	
	> 1" (Deep)	Low	F	Fill rut	Monitor	Monitor	Fill rut
			S	Monitor	Monitor	Fill rut	
		Medium	F	Patch	Fill rut	Patch	
			S	Fill rut	Fill rut	Patch	
		High	F	Patch	Patch	Mill and hot mix overlay	
			S	Fill rut	Patch	Mill and hot mix overlay	
Both Wheelpaths	0.5" to 1" (Shallow)	Low	F	Fill rut	Monitor	Monitor	Monitor
			S	Monitor	Monitor	Monitor	
		Medium	F	Fill rut	Fill rut	Fill rut	
			S	Monitor	Fill rut	Fill rut	
		High	F	Fill rut	Patch	Patch	
			S	Fill rut	Patch	Patch	
	> 1" (Deep)	Low	F	Fill rut	Fill rut	Fill rut	
			S	Monitor	Fill rut	Fill rut	
		Medium	F	Patch	Patch	Mill and hot mix overlay	
			S	Patch	Patch	Mill and hot mix overlay	
		High	F	Patch	Mill and hot mix overlay	Mill and hot mix overlay	
			S	Patch	Mill and hot mix overlay	Mill and hot mix overlay	

Abilene (Cont)

Predominant Distress	# Lanes	Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Alligator Cracking	1 Wheelpath	Minor	Low	Monitor	Crack seal	Patch
			Medium	Patch	Patch	Patch
			High	Patch	Patch	Patch
	Major	Minor	Low	Patch	Patch	Deep patch
			Medium	Patch	Patch	Deep patch
			High	Patch	Deep patch	Deep patch
Both Wheelpaths	Minor	Minor	Low	Monitor	Patch	Patch
			Medium	Patch	Patch	Deep patch
			High	Deep patch	Deep patch	Deep patch
	Major	Minor	Low	Patch	Patch	Deep patch
			Medium	Patch	Deep patch	Rehabilitate
			High	Deep patch	Rehabilitate	Rehabilitate

Predominant Distress	Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years	
Swell/Roughness	Some Roughness	Low	Monitor	Monitor	Hot mix overlay	
		Medium	Monitor	Hot mix overlay	Mill and hot mix overlay	
		High	Level up	Mill and hot mix overlay	Rehabilitate	
	Rough	Some Roughness	Low	Monitor	Hot mix overlay	Hot mix overlay
			Medium	Level up	Mill and hot mix overlay	Rehabilitate
			High	Level up	Rehabilitate	Rehabilitate

Predominant Distress	Few or Many	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years	
Failures	Few	Low	Patch	Patch	Patch	
		Medium	Patch	Patch	Hot mix overlay	
		High	Patch	Mill and hot mix overlay	Rehabilitate	
	Many	Few	Low	Patch	Patch	Hot mix overlay
			Medium	Patch	Mill and hot mix overlay	Rehabilitate
			High	Patch	Rehabilitate	Rehabilitate

Amarillo

Predominant Crack Distress		Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years	
Transverse Cracking	>40' Mostly tight	Low	Monitor	Monitor	Monitor	
		Medium	Monitor	Monitor	Monitor	
		High	Monitor	Monitor	Monitor	
	Open, < 1/2"	Low	Monitor	Monitor	Monitor	Monitor
		Medium	Monitor and crack seal if nearby	Crack seal	Crack seal	Crack seal
		High	Monitor and crack seal if nearby	Crack seal	Crack seal	Crack seal
	>1/2" or deteriorated	Low	Monitor	Monitor	Monitor	Monitor
		Medium	Crack seal	Crack seal	Crack seal	Crack seal
	Cupped or Tented	High	Crack seal	Crack seal	Crack seal	Crack seal
		Low	Crack seal or monitor	Crack seal or monitor	Crack seal or monitor	Crack seal or monitor
		Medium	Crack seal	Crack seal	Crack seal	Crack seal
	15' - 40'	Mostly tight	High	Crack seal	Crack seal	Crack seal
Low			Monitor	Monitor	Monitor	
Medium			Monitor	Monitor or fog seal	Monitor or fog seal	
Open, < 1/2"		High	Monitor	Monitor or fog seal	Monitor or fog seal	Monitor or fog seal
		Low	Monitor and crack seal if nearby	Crack seal	Crack seal and seal coat	Crack seal and seal coat
		Medium	Crack seal	Crack seal	Crack seal	Crack seal
>1/2" or deteriorated		High	Crack seal	Crack seal	Crack seal	Crack seal
		Low	Monitor and crack seal if nearby	Crack seal	Crack seal and seal coat	Crack seal and seal coat
		Medium	Crack seal	Crack seal	Plan major rehabilitation	Plan major rehabilitation
Cupped or Tented		High	Crack seal	Crack seal	Plan major rehabilitation	Plan major rehabilitation
		Low	Crack seal and monitor	Crack seal and patch bad areas	Crack seal and patch bad areas, plan seal coat	Crack seal and patch bad areas, plan seal coat
		Medium	Crack seal and monitor	Dig out and replace	Plan major rehabilitation	Plan major rehabilitation
<15'	Mostly tight	High	Crack seal and monitor	Dig out and replace	Plan major rehabilitation	
		Low	Monitor	Monitor	Monitor	
		Medium	Monitor	Monitor or fog seal	Monitor or fog seal	
	Open, < 1/2"	High	Monitor	Monitor or fog seal	Monitor or fog seal	Monitor or fog seal
		Low	Monitor and crack seal if nearby	Crack seal	Crack seal and seal coat	Crack seal and seal coat
		Medium	Crack seal	Crack seal	Crack seal	Crack seal
	>1/2" or deteriorated	High	Crack seal	Crack seal	Crack seal	Crack seal
		Low	Blade patch	Crack seal	Overlay	Overlay
		Medium	Crack seal	Crack seal	Overlay	Overlay
	Cupped or Tented	High	Crack seal	Crack seal	Plan major rehabilitation	Plan major rehabilitation
		Low	Blade patch	Crack seal, patch bad areas, and seal coat	Crack seal, patch bad areas, and seal coat	Crack seal, patch bad areas, and seal coat
		Medium	Blade patch or crack seal	Dig out and replace or crack seal, patch bad	Plan major rehabilitation or crack seal, patch bad areas.	Plan major rehabilitation or crack seal, patch bad areas.
		High	Crack seal and monitor	Dig out and replace	Plan major rehabilitation	

Amarillo (Cont)

Predominant Crack Spacing Distress (Across)	Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years	
Longitudinal > Lane Width Cracking	Mostly tight	Low	Monitor	Monitor	Monitor	
		Medium	Monitor	Monitor	Monitor	
		High	Monitor	Monitor	Monitor	
	Open, < 1/2"	Low	Monitor	Monitor	Monitor	Monitor
		Medium	Monitor and crack seal if working nearby	Crack seal	Crack seal	Crack seal
		High	Monitor and crack seal if working nearby	Crack seal	Crack seal	Crack seal
	> 1/2" or deteriorated	Low	Monitor and crack seal if working nearby	Crack seal	Crack seal	Crack seal
		Medium	Remove, restabilize, and replace	Crack seal	Crack seal	Crack seal
		High	Remove, restabilize, and replace	Crack seal and level up	Crack seal and level up	Crack seal and level up
	1 per lane	Mostly tight	Low	Monitor	Monitor	Monitor
			Medium	Monitor	Monitor	Monitor
			High	Monitor	Monitor	Monitor
Open, < 1/2"		Low	Monitor and crack seal if working nearby	Crack seal	Crack seal	Crack seal
		Medium	Crack seal	Crack seal	Crack seal	Crack seal
		High	Crack seal	Crack seal	Crack seal	Crack seal
> 1/2" or deteriorated	Low	Monitor and crack seal and blade patch worst areas if working nearby	Crack seal and blade patch worst areas	Crack seal and blade patch worst areas	Seal coat	
	Medium	Crack seal and blade patch worst areas	Crack seal and blade patch worst areas	Crack seal and blade patch worst areas	Overlay	
	High	Crack seal and blade patch worst areas	Crack seal and blade patch worst areas	Crack seal and blade patch worst areas	Overlay	
> 1 per lane	Mostly tight	Low	Monitor	Monitor	Monitor	
		Medium	Monitor	Monitor	Monitor	
		High	Monitor	Monitor	Monitor	
	Open, < 1/2"	Low	Remove, restabilize, and replace	Crack seal	Crack seal	Seal coat
		Medium	Remove, restabilize, and replace	Crack seal	Crack seal	Mill and overlay
		High	Remove, restabilize, and replace	Crack seal	Crack seal	Mill and overlay
> 1/2" or deteriorated	Low	Remove, restabilize, and replace	Crack seal and blade patch worst areas	Crack seal and blade patch worst areas	Plan major rehabilitation	
	Medium	Remove, restabilize, and replace	Crack seal and blade patch worst areas	Crack seal and blade patch worst areas	Plan major rehabilitation	
	High	Remove, restabilize, and replace	Crack seal and blade patch worst areas	Crack seal and blade patch worst areas	Plan major rehabilitation	

Amarillo (Cont)

Predominant Distress	# Lanes	Severity	Traffic Level or Importance	Fast or Slow	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Rutting	1 Wheelpath	Low	Low	F	Monitor	Monitor	Monitor
			S	Monitor or strip seal	Strip seal	Strip seal	
		0.5" to 1" (Shallow)	Medium	F	Remove, restabilize, and replace	Monitor	Monitor
			S	Blade patch or level up	Monitor	Overlay	
		High	F	Remove, restabilize, and replace	Monitor	Monitor	
			S	Blade patch or level up	Monitor	Overlay	
	> 1" (Deep)	Low	F	Remove, restabilize, and replace	Blade patch	Blade patch and plan rehabilitation	
			S	Remove, restabilize, and replace	Monitor	Microsurface	
		Medium	F	Mill and level up	Mill and level up	Mill, level up, and plan rehabilitation	
			S	Mill and level up	Mill and level up	Mill, level up, and plan rehabilitation	
		High	F	Mill and level up	Mill and level up	Mill, level up, and plan rehabilitation	
			S	Mill and level up	Mill and level up	Mill, level up, and plan rehabilitation	
Both Wheelpaths	0.5" to 1" (Shallow)	Low	F	Monitor	Monitor	Monitor	
			S	Monitor or strip seal	Strip seal	Strip seal	
		Medium	F	Remove, restabilize, and replace	Monitor	Monitor	
			S	Blade patch or level up	Monitor	Overlay	
		High	F	Remove, restabilize, and replace	Monitor	Monitor	
			S	Blade patch or level up	Monitor	Overlay	
	> 1" (Deep)	Low	F	Remove, restabilize, and replace	Blade patch	Blade patch and plan rehabilitation	
			S	Remove, restabilize, and replace	Monitor	Microsurface	
		Medium	F	Mill and level up	Mill and level up	Mill, level up, and plan rehabilitation	
			S	Mill and level up	Mill and level up	Mill, level up, and plan rehabilitation	
		High	F	Mill and level up	Mill and level up	Mill, level up, and plan rehabilitation	
			S	Mill and level up	Mill and level up	Mill, level up, and plan rehabilitation	

Amarillo (Cont)

Predominant Distress	# Lanes	Traffic Level Severity or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Cracking	1 Wheelpath	Low	Monitor	Monitor	Monitor and plan rehabilitation
		Minor	Medium	Monitor	Monitor and plan rehabilitation
		High	Monitor	Monitor	Monitor and plan rehabilitation
	Major	Low	Dig out and replace	Plan major rehabilitation	Plan major rehabilitation
		Medium	Dig out and replace	Plan major rehabilitation	Plan major rehabilitation
		High	Dig out and replace	Plan major rehabilitation	Plan major rehabilitation
Both Wheelpaths	Minor	Low	Monitor	Seal coat	Seal coat
		Medium	Monitor	Plan major rehabilitation	Plan major rehabilitation
		High	Monitor	Plan major rehabilitation	Plan major rehabilitation
	Major	Low	Remove, restabilize, and replace	Plan major rehabilitation	Plan major rehabilitation
		Medium	Remove, restabilize, and replace	Plan major rehabilitation	Plan major rehabilitation
		High	Remove, restabilize, and replace	Plan major rehabilitation	Plan major rehabilitation

Predominant Distress	Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years	
Swell/Roughness	Some Roughness	Low	Monitor	Monitor	Monitor	
		Medium	Maybe patch and overlay	Maybe level up	Overlay	
		High	Maybe patch and overlay	Maybe level up	Overlay	
	Rough	Low	Blade level	Monitor	Monitor	Plan rehabilitation
		Medium	Level up	Level up	Level up	Plan rehabilitation
		High	Level up	Level up	Level up	Plan rehabilitation

Predominant Distress	Few or Many	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Failures	Few	Low	Dig out and replace	Remove, restabilize, and replace	Dig out and replace
		Medium	Dig out and replace	Remove, restabilize, and replace	Overlay
		High	Dig out and replace	Remove, restabilize, and replace	Overlay
	Many	Low	Remove, restabilize, and replace	Plan rehabilitation	Plan rehabilitation
		Medium	Remove, restabilize, and replace	Plan rehabilitation	Plan rehabilitation
		High	Remove, restabilize, and replace	Plan rehabilitation	Plan rehabilitation

Atlanta

Predominant Crack		Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Distress	Spacing Severity				
Transverse Cracking	>40'	Low	Monitor	Monitor	Monitor
		Medium	Monitor	Fog seal	Fog seal
		High	Monitor	Fog seal	Fog seal
	Open, < 1/2"	Low	Crack seal	Crack seal	Crack seal
		Medium	Crack seal	Crack seal	Crack seal
		High	Crack seal	Crack seal	Crack seal
	>1/2" or deteriorated	Low	Crack seal	Crack seal	Crack seal
		Medium	Crack seal	Crack seal	Crack seal
		High	Crack seal	Crack seal	Crack seal
	Cupped or Tented	Low	Monitor until density increases	Monitor until density increases	Monitor until density increases
		Medium	Crack seal	Crack seal	Crack seal
		High	Crack seal	Crack seal	Crack seal
15' - 40'	Mostly tight	Low	Monitor	Monitor	Monitor
		Medium	Monitor	Fog seal	Fog seal
		High	Monitor	Fog seal	Fog seal
	Open, < 1/2"	Low	Monitor	Monitor	Monitor
		Medium	Spot seal bad areas as needed and observe	Spot seal bad areas as needed and observe	Spot seal bad areas as needed and observe
		High	Crack seal	Crack seal	Crack seal
>1/2" or deteriorated	Low	Crack seal	Crack seal	Crack seal	
	Medium	Crack seal	Crack seal	Crack seal	
	High	Crack seal	Crack seal	Crack seal	
Cupped or Tented	Low	Spot seal or Monitor	Spot seal or Monitor	Level up and seal coat	
	Medium	Crack seal and spot seal bad areas	Crack seal and spot seal bad areas	Level up and seal coat	
	High	Mill and inlay	Mill and inlay	Crack seal and seal coat or thin overlay	
<15'	Mostly tight	Low	Monitor	Monitor	Monitor until cracks are wider
		Medium	Monitor	Monitor	Seal coat or spot seal wider ones
		High	Monitor	Monitor	Seal coat
	Open, < 1/2"	Low	Patch and spot seal	Patch and spot seal	Patch, crack seal, and seal coat
		Medium	Crack seal	Crack seal	Crack seal
		High	Crack seal or spot seal	Crack seal or spot seal	Reconstruct
	>1/2" or deteriorated	Low	Monitor	Monitor	Reconstruct
		Medium	Monitor	Patch and spot seal	Reconstruct
		High	Spot seal or base repair	Spot seal	Reconstruct
Cupped or Tented	Low	Monitor	Monitor	Crack seal, level up, and seal coat	
	Medium	Spot seal	Crack seal and spot seal bad areas	Crack seal, level up, and seal coat	
	High	Mill <2" and inlay	Mill and inlay	Crack seal, seal coat, and thick overlay	

Atlanta (Cont)

Predominant Crack Spacing	Traffic Level	Action if Only	Short-term Repair	Long-term Treatment	
Distress (Across) Severity	or Importance	Localized	1-2 Years	3+ Years	
Longitudinal > Lane Width Cracking	Mostly tight	Low	Monitor	Monitor	Monitor
		Medium	Monitor	Monitor	Monitor
		High	Monitor	Monitor	Strip seal
	Open, < 1/2"	Low	Crack seal	Crack seal	Crack seal
		Medium	Crack seal	Crack seal	Crack seal
		High	Crack seal	Crack seal	Crack seal and strip seal
	> 1/2" or deteriorated	Low	Crack seal	Crack seal	Crack seal
		Medium	Crack seal	Crack seal	Crack seal
		High	Crack seal	Crack seal	Crack seal and strip seal
	1 per lane	Mostly tight	Low	Monitor	Seal coat
			Medium	Monitor	Seal coat
			High	Monitor	Seal coat
Open, < 1/2"		Low	Crack seal	Crack seal	Crack seal
		Medium	Crack seal	Crack seal	Crack seal
		High	Crack seal	Crack seal	Crack seal and seal coat
> 1/2" or deteriorated		Low	Crack seal	Crack seal	Crack seal
		Medium	Crack seal	Crack seal	Crack seal
		High	Crack seal	Crack seal	Crack seal or strip seal, and seal coat and overlay
> 1 per lane		Mostly tight	Low	Monitor or spot seal	Seal coat
			Medium	Spot seal	Seal coat
			High	Spot seal	Seal coat
	Open, < 1/2"	Low	Crack seal or strip seal	Crack seal or strip seal	Crack seal or strip seal
		Medium	Crack seal	Crack seal	Reconstruct
		High	Crack seal	Crack seal	Reconstruct
	> 1/2" or deteriorated	Low	Crack seal or strip seal	Crack seal or strip seal	Crack seal or strip seal
		Medium	Crack seal	Crack seal	Reconstruct
		High	Crack seal	Crack seal	Reconstruct

Atlanta (Cont)

Predominant Distress		Traffic Level or Importance	Fast or Slow	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years	
Rutting	1 Wheelpath	Low	F	Blade patch	Level up	Level up and seal coat	
			S	Blade patch	Level up	Level up and seal coat	
		Medium	F	Blade patch	Level up	Level up and seal coat	
			S	Blade patch	Level up	Level up and seal coat	
		High	F	Blade patch or inlay	Microsurface and plan rehabilitation or observe closely	Microsurface and plan rehabilitation or observe closely	
			S	Blade patch or inlay	Microsurface and plan rehabilitation or observe closely	Microsurface and plan rehabilitation or observe closely	
		> 1" (Deep)	Low	F	Spot level up	Spot level up	Spot level and seal coat
				S	Spot level up	Spot level up	Spot level and seal coat
	Medium		F	Spot level up	Spot level up	Reconstruct	
			S	Spot level up	Spot level up	Strip seal if cracked and microsurface	
	High		F	Spot inlay as needed	Spot inlay as needed	Reconstruct	
			S	Spot inlay as needed	Spot inlay as needed	Strip seal if cracked and microsurface	
	Both Wheelpaths	0.5" to 1" (Shallow)	Low	F	Blade patch	Level up	Level up and seal coat
				S	Blade patch	Level up	Level up and seal coat
Medium			F	Blade patch	Level up	Level up and seal coat	
			S	Blade patch	Level up	Level up and seal coat	
High			F	Blade patch or inlay	Microsurface and plan rehabilitation or observe closely	Microsurface and plan rehabilitation or observe closely	
			S	Blade patch or inlay	Microsurface and plan rehabilitation or observe closely	Microsurface and plan rehabilitation or observe closely	
> 1" (Deep)		Low	F	Spot level up	Spot level up	Spot level and seal coat	
			S	Spot level up	Spot level up	Spot level and seal coat	
		Medium	F	Spot level up	Spot level up	Reconstruct	
			S	Spot level up	Spot level up	Strip seal if cracked and microsurface	
		High	F	Spot inlay as needed	Spot inlay as needed	Reconstruct	
			S	Spot inlay as needed	Spot inlay as needed	Strip seal if cracked and microsurface	

Atlanta (Cont)

Predominant Distress	# Lanes	Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Alligator Cracking	1 Wheelpath	Minor	Low	Spot seal	Fog seal	Fog seal
			Medium	Spot seal	Fog seal	Fog seal
			High	Spot seal	Fog seal	Fog seal
	Both Wheelpaths	Major	Low	Spot seal	Spot or strip seal	Spot or strip seal
			Medium	Spot seal	Spot or strip seal	Spot or strip seal
			High	Spot seal	Spot seal and base repair	Spot seal and base repair
Both Wheelpaths	Minor	Minor	Low	Spot seal	Spot or strip seal	Spot or strip seal
			Medium	Spot seal	Spot or strip seal	Spot or strip seal
			High	Spot seal	Spot or strip seal	Spot or strip seal
	Major	Low	Spot seal	Plan rehabilitation	Base repair and seal coat	
		Medium	Spot seal	Strip seal	Strip seal	
		High	Spot seal	Spot seal and base repair	Reconstruct	

Predominant Distress	Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Swell/Roughness	Some Roughness	Low	Monitor	Monitor	Blade patch and seal coat
		Medium	Blade patch	Blade patch	Blade patch and seal coat
		High	Blade patch	Blade patch	Blade patch and seal coat
Rough	Rough	Low	Spot level	Spot level	Spot level
		Medium	Either spot level or mill and fill	Either spot level or mill and fill	Either spot level or mill and fill
		High	Mill and fill to establish profile	Mill and fill to establish profile	Mill and fill to establish profile and overlay

Predominant Distress	Few or Many	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Failures	Few	Low	Spot base repair	Spot base repair	Spot base repair
		Medium	Spot base repair	Spot base repair	Spot base repair
		High	Spot base repair	Spot base repair	Spot base repair
	Many	Low	Spot base repair	Spot base repair	Reconstruct
		Medium	Spot base repair	Spot base repair	Reconstruct
		High	Spot base repair	Spot base repair	Reconstruct

Gaylon Childress
Eddie Coffee
Tommy Ellison

Austin

Predominant Crack Distress			Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years	
Transverse Cracking	Mostly tight	Low	Monitor	Monitor	Monitor	Monitor	
		Medium	Monitor	Monitor	Monitor	Crack seal	
		High	Monitor	Monitor	Crack seal	Crack seal	
	>40'	Open, < 1/2"	Low	Monitor	Monitor	Monitor	Crack seal
			Medium	Monitor	Monitor	Crack seal	Crack seal
			High	Crack seal	Crack seal	Crack seal	Cold mix patch
	>1/2" or deteriorated	Cupped or Tented	Low	Cold mix patch	Cold mix patch	Cold mix patch	Cold mix patch
			Medium	Cold mix patch	Cold mix patch	Cold mix patch	Cold mix patch
			High	Cold mix patch	Cold mix patch	Cold mix patch	Saw out, patch, and call Forensic team
	15' - 40'	Mostly tight	Low	Cold mix patch and crack seal	Cold mix patch and crack seal	Cold mix patch and crack seal	Cold mix patch and crack seal
			Medium	Cold mix patch and crack seal	Hot mix patch	Hot mix patch	Hot mix patch
			High	Cold mix patch and crack seal	Hot mix patch	Hot mix patch	Saw out, patch, and call Forensic team
>1/2" or deteriorated		Open, < 1/2"	Low	Crack seal	Crack seal	Crack seal	Cold mix patch and crack seal
			Medium	Crack seal	Crack seal	Cold mix patch and crack seal	Cold mix patch and crack seal
			High	Crack seal	Crack seal	Cold mix patch and crack seal	Cold mix patch and crack seal
Cupped or Tented		>1/2" or deteriorated	Low	Cold mix patch and crack seal	Cold mix patch and crack seal	Cold mix patch and crack seal	Cold mix patch
			Medium	Cold mix patch and crack seal	Cold mix patch and crack seal	Cold mix patch and crack seal	Cold mix patch
			High	Cold mix patch and crack seal	Cold mix patch and crack seal	Cold mix patch and call forensic team	Hot mix patch and maybe seal coat
<15'		Mostly tight	Low	Cold mix patch	Cold mix patch	Cold mix patch	Cold mix patch
			Medium	Cold mix patch	Cold mix patch	Cold mix patch	Cold mix patch and maybe call Forensic team
			High	Cold mix patch	Cold mix patch	Cold mix patch	Maybe seal coat
	>1/2" or deteriorated	Open, < 1/2"	Low	Crack seal	Crack seal	Crack seal	Seal coat
			Medium	Crack seal	Crack seal	Crack seal	Seal coat
			High	Crack seal	Cold mix patch	Cold mix patch	Cold mix patch and seal coat
	Cupped or Tented	>1/2" or deteriorated	Low	Cold mix patch	Seal coat	Seal coat	Seal coat
			Medium	Cold mix patch and seal coat	Seal coat	Seal coat	Seal coat or reconstruct
			High	Localized reconstruction	Localized reconstruction	Localized reconstruction	Reconstruct
	Cupped or Tented	>1/2" or deteriorated	Low	Localized reconstruction	Seal coat	Seal coat	Seal coat
			Medium	Localized reconstruction	Seal coat	Seal coat	Seal coat or reconstruct
			High	Localized reconstruction	Reconstruct	Reconstruct	Reconstruct
Cupped or Tented	Cupped or Tented	Low	Localized reconstruction	Seal coat	Seal coat	Seal coat	
		Medium	Localized reconstruction	Seal coat	Seal coat	Cold mix patch and seal coat	
		High	Localized reconstruction	Cold mix patch and seal coat	Cold mix patch and seal coat	Cold mix patch and seal coat	

Austin (Cont)

Predominant Crack Spacing		Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years	
Distress (Across)	Severity					
Longitudinal Cracking	Mostly tight	Low	Monitor	Crack seal	Crack seal	
		Medium	Crack seal	Crack seal	Crack seal	
		High	Crack seal	Crack seal	Crack seal	
	>Lane Width	Open, < 1/2"	Low	Monitor	Crack seal	Crack seal
			Medium	Monitor	Crack seal	Crack seal
			High	Crack seal	Crack seal	Crack seal
	>1/2" or deteriorated	Low	Crack seal	Crack seal	Crack seal	
		Medium	Crack seal	Cold mix patch and crack seal	Cold mix patch and crack seal	
		High	Crack seal	Cold mix patch and crack seal	Cold mix patch and crack seal	
1 per lane	Mostly tight	Low	Monitor	Crack seal	Crack seal	
		Medium	Monitor	Crack seal	Crack seal	
		High	Crack seal	Crack seal	Crack seal	
		Open, < 1/2"	Low	Monitor	Crack seal	Crack seal
			Medium	Monitor	Crack seal	Crack seal
			High	Crack seal	Crack seal	Crack seal
	>1/2" or deteriorated	Low	Crack seal	Cold mix patch and crack seal	Cold mix patch and crack seal	
		Medium	Cold mix patch and crack seal	Cold mix patch and crack seal	Cold mix patch and crack seal	
		High	Cold mix patch and crack seal	Cold mix patch and crack seal	Strip seal	
>1 per lane	Mostly tight	Low	Crack seal	Cold mix patch and crack seal	Cold mix patch and seal coat	
		Medium	Crack seal	Cold mix patch and crack seal	Cold mix patch and seal coat	
		High	Cold mix patch and strip seal	Cold mix patch and strip seal	Cold mix patch and seal coat	
		Open, < 1/2"	Low	Cold mix patch and strip seal	Cold mix patch and strip seal	Cold mix patch and seal coat
			Medium	Cold mix patch and strip seal	Cold mix patch and strip seal	Cold mix patch and seal coat
			High	Cold mix patch and strip seal	Cold mix patch and seal coat	Cold mix patch and seal coat or reconstruct
	>1/2" or deteriorated	Low	Cold mix patch and strip seal	Cold mix patch and seal coat	Cold mix patch and seal coat	
		Medium	Cold mix patch and strip seal	Level up and seal coat	Rehabilitation	
		High	Level up	Level up and seal coat	Rehabilitation	

Austin (Cont)

Predominant Distress			Traffic Level or Importance	Fast or Slow	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Rutting	1 Wheelpath	0.5" to 1" (Shallow)	Low	F	Fill rut	Fill rut	Fill rut
				S	Monitor	Monitor	Cold mix patch
			Medium	F	Fill rut	Fill rut	Cold mix patch
			S	Monitor	Mill and fill rut	Cold mix patch	
		High	F	Fill rut	Fill rut	Cold mix patch and full depth repair	
			S	Monitor	Mill and fill rut	Cold mix patch and full depth repair	
	> 1" (Deep)	Low	F	Fill rut	Fill rut	Fill rut	
				S	Monitor	Fill rut	Cold mix patch
			Medium	F	Cold mix patch	Cold mix patch	Cold mix patch and full depth repair
			S	Fill rut	Mill and fill rut	Cold mix patch and full depth repair	
		High	F	Cold mix patch	Full depth repair	Full depth repair	
			S	Cold mix patch	Mill and fill rut	Full depth repair	
Both Wheelpaths	0.5" to 1" (Shallow)	Low	F	Fill rut	Fill rut	Fill rut	
				S	Monitor	Monitor	Cold mix patch
			Medium	F	Fill rut	Fill rut	Cold mix patch
			S	Monitor	Mill and fill rut	Cold mix patch	
		High	F	Full depth repair	Fill rut	Cold mix patch and full depth repair	
			S	Full depth repair	Mill and fill rut	Cold mix patch and full depth repair	
	> 1" (Deep)	Low	F	Monitor	Fill rut	Fill rut	
				S	Fill rut	Fill rut	Cold mix patch
			Medium	F	Cold mix patch	Cold mix patch	Cold mix patch and full depth repair
			S	Cold mix patch	Mill and fill rut	Cold mix patch and full depth repair	
		High	F	Full depth repair	Full depth repair	Full depth repair	
			S	Full depth repair	Mill and fill rut	Full depth repair	

Austin (Cont)

Predominant Distress	# Lanes	Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Alligator Cracking	1 Wheelpath	Minor	Low	Monitor	Cold mix patch	Cold mix patch and strip seal
			Medium	Crack seal	Cold mix patch	Cold mix patch and strip seal
			High	Crack seal	Cold mix patch	Cold mix patch and strip seal
		Major	Low	Cold mix patch	Cut out and repair	Reconstruct
			Medium	Cold mix patch	Cut out and repair	Reconstruct
			High	Cold mix patch	Cut out and repair	Reconstruct
Both Wheelpaths		Minor	Low	Crack seal	Cold mix patch	Seal coat
			Medium	Crack seal	Cold mix patch	Cold mix patch and seal coat
			High	Crack seal	Cold mix patch	Reconstruct
		Major	Low	Cold mix patch	Cold mix patch and strip seal	Cold mix patch and seal coat
			Medium	Cold mix patch	Cold mix patch and seal coat	Cold mix patch and seal coat or Reconstruct
			High	Cold mix patch	Cold mix patch and seal coat	Reconstruct

Predominant Distress	Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Swell/ Roughness	Some Roughness	Low	Monitor	Level up	Level up
		Medium	Monitor	Level up	Thin overlay
		High	Level up	Level up	Thin overlay
	Rough	Low	Monitor	Level up	Level up
		Medium	Level up	Level and thin overlay	Rehabilitate
		High	Level up	Level and thin overlay	Rehabilitate

Predominant Distress	Few or Many	Traffic Level or Importance	Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Failures	Few	Low	Monitor	Patch with cold mix or hot mix	Resurface
		Medium	Patch with cold mix or hot mix	Patch with cold mix or hot mix	Resurface
		High	Patch with cold mix or hot mix	Patch with cold mix or hot mix	Resurface
	Many	Low	Patch with cold mix or hot mix	Patch with cold mix or hot mix	Resurface
		Medium	Patch with cold mix or hot mix	Resurface	Resurface
		High	Patch with cold mix or hot mix	Resurface	Resurface

Beaumont

Predominant Crack Distress		Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Transverse Cracking	>40'	Mostly tight	Low	Monitor	Monitor	Monitor or seal coat
			Medium	Monitor	Monitor	Monitor or seal coat
			High	Monitor	Crack seal or seal coat	Seal coat or overlay
		Open, < 1/2"	Low	Crack seal	Crack seal	Crack seal or seal coat
			Medium	Crack seal	Crack seal	Crack seal or seal coat
			High	Crack seal	Crack seal	Crack seal or seal coat
		>1/2" or deteriorated	Low	Overlay or crack seal	Crack seal and overlay or seal coat	Seal coat
			Medium	Overlay or crack seal	Crack seal and overlay or seal coat	Seal coat
			High	Overlay or crack seal	Crack seal and overlay or seal coat	Seal coat
	Cupped or Tented	Low	Mill	Mill and overlay	Mill or mill and overlay	
		Medium	Mill	Mill and overlay	Mill or mill and overlay	
		High	Mill	Mill and overlay	Mill or mill and overlay	
15' - 40'	Mostly tight	Low	Seal coat or overlay	Seal coat	Seal coat or overlay	
		Medium	Seal coat or overlay	Seal coat	Seal coat or overlay	
		High	Seal coat or overlay	Seal coat	Seal coat or overlay	
	Open, < 1/2"	Low	Overlay or crack seal	Seal coat	Seal coat or overlay	
		Medium	Overlay or crack seal	Seal coat	Seal coat or overlay	
		High	Overlay or crack seal	Seal coat	Seal coat or overlay	
	>1/2" or deteriorated	Low	Seal coat and overlay	Seal coat and overlay	Seal coat or overlay	
		Medium	Seal coat and overlay	Seal coat and overlay	Seal coat or overlay	
		High	Seal coat and overlay	Seal coat and overlay	Seal coat or overlay	
	Cupped or Tented	Low	Mill	Mill and overlay	Mill and overlay	
		Medium	Mill	Mill and overlay	Mill and overlay	
		High	Mill	Mill and overlay	Mill and overlay	
<15'	Mostly tight	Low	Overlay or crack seal	Seal coat	Seal coat	
		Medium	Overlay or crack seal	Seal coat	Seal coat	
		High	Overlay or seal coat	Seal coat	Seal coat	
	Open, < 1/2"	Low	Overlay or seal coat	Seal coat and overlay	Seal coat or overlay	
		Medium	Overlay	Seal coat and overlay	Seal coat or overlay	
		High	Overlay	Seal coat and overlay	Seal coat or overlay	
	>1/2" or deteriorated	Low	Overlay	Seal coat and overlay	Seal coat and overlay	
		Medium	Overlay	Seal coat and overlay	Seal coat and overlay	
		High	Overlay	Seal coat and overlay	Seal coat and overlay	
	Cupped or Tented	Low	Mill and overlay	Mill and overlay	Mill and overlay	
		Medium	Mill and overlay	Mill and overlay	Mill and overlay	
		High	Mill and overlay	Mill and overlay	Mill and overlay	

Beaumont (Cont)

Predominant Crack Spacing	Traffic Level	Action if Only	Short-term Repair	Long-term Treatment	
Distress (Across) Severity	or Importance				Localized
Longitudinal >Lane Width Cracking	Mostly tight	Low	Monitor	Monitor	Crack seal or seal coat
		Medium	Monitor	Monitor	Crack seal or seal coat
		High	Monitor	Monitor	Crack seal or seal coat
	Open, < 1/2"	Low	Crack seal	Crack seal	Crack seal or seal coat
		Medium	Crack seal	Crack seal	Crack seal or seal coat
		High	Crack seal	Crack seal	Crack seal or seal coat
	>1/2" or deteriorated	Low	Crack seal	Crack seal or seal coat	Crack seal or seal coat and overlay
		Medium	Crack seal	Crack seal or seal coat	Crack seal or seal coat and overlay
		High	Crack seal	Crack seal or seal coat	Crack seal or seal coat and overlay
	1 per lane	Mostly tight	Low	Crack seal	Crack seal or seal coat
			Medium	Crack seal	Crack seal or seal coat
			High	Crack seal	Crack seal or seal coat
Open, < 1/2"		Low	Crack seal	Crack seal or seal coat	Crack seal or seal coat
		Medium	Crack seal	Crack seal or seal coat	Crack seal or seal coat
		High	Crack seal	Crack seal or seal coat	Crack seal or seal coat
>1/2" or deteriorated	Low	Seal coat and overlay	Seal coat or overlay	Crack seal or seal coat and overlay	
	Medium	Seal coat and overlay	Seal coat or overlay	Crack seal or seal coat and overlay	
	High	Seal coat and overlay	Seal coat or overlay	Crack seal or seal coat and overlay	
>1 per lane	Mostly tight	Low	Crack seal	Seal coat	
		Medium	Crack seal	Seal coat	
		High	Crack seal	Seal coat	
	Open, < 1/2"	Low	Overlay	Seal coat or overlay	Seal coat or overlay
		Medium	Overlay	Seal coat or overlay	Seal coat or overlay
		High	Overlay	Seal coat or overlay	Seal coat or overlay
	>1/2" or deteriorated	Low	Overlay	Overlay	Seal coat and overlay
		Medium	Overlay	Overlay	Seal coat and overlay
		High	Overlay	Overlay	Seal coat and overlay

Beaumont (Cont)

Predominant Distress	# Lanes	Severity	Traffic Level or Importance	Fast or Slow	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Rutting	1 Wheelpath	Low	F	F	Overlay	Overlay	Seal coat and overlay
			S	S	Overlay	Overlay	Seal coat and overlay
		0.5' to 1" (Shallow)	F	F	Overlay	Overlay	Seal coat and overlay
			S	S	Overlay	Overlay	Seal coat and overlay
		High	F	F	Overlay	Seal coat and overlay	Seal coat and overlay
			S	S	Overlay	Seal coat and overlay	Seal coat and overlay
	> 1" (Deep)	Low	F	F	Overlay	Seal coat and overlay	Seal coat and overlay
			S	S	Overlay	Seal coat and overlay	Seal coat and overlay
		Medium	F	F	Overlay	Seal coat and overlay	Seal coat and overlay
			S	S	Overlay	Seal coat and overlay	Seal coat and overlay
		High	F	F	Overlay	Seal coat and overlay	Seal coat and overlay
			S	S	Overlay	Seal coat and overlay	Seal coat and overlay
Both Wheelpaths	0.5' to 1" (Shallow)	Low	F	F	Overlay	Seal coat and overlay	Seal coat and overlay
			S	S	Overlay	Seal coat and overlay	Seal coat and overlay
		Medium	F	F	Overlay	Seal coat and overlay	Seal coat and overlay
			S	S	Overlay	Seal coat and overlay	Seal coat and overlay
		High	F	F	Overlay	Seal coat and overlay	Seal coat and overlay
			S	S	Overlay	Seal coat and overlay	Seal coat and overlay
	> 1" (Deep)	Low	F	F	Overlay	Overlay	Seal coat and overlay
			S	S	Overlay	Overlay	Seal coat and overlay
		Medium	F	F	Overlay	Overlay	Seal coat and overlay
			S	S	Overlay	Overlay	Seal coat and overlay
		High	F	F	Mill and overlay	Overlay	Seal coat and overlay
			S	S	Mill and overlay	Overlay	Seal coat and overlay

Beaumont (Cont)

Predominant Distress	# Lanes	Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Alligator Cracking	1 Wheelpath	Minor	Low	Seal coat	Seal coat	Seal coat
			Medium	Seal coat	Seal coat	Seal coat
			High	Seal coat	Seal coat	Seal coat
	Both Wheelpaths	Major	Low	Seal coat and overlay	Seal coat and overlay	Seal coat and overlay
			Medium	Seal coat and overlay	Seal coat and overlay	Seal coat and overlay
			High	Seal coat and overlay	Seal coat and overlay	Seal coat and overlay
Both Wheelpaths	Minor	Minor	Low	Seal coat	Seal coat	Seal coat
			Medium	Seal coat	Seal coat	Seal coat
			High	Seal coat	Seal coat	Seal coat
	Major	Low	Seal coat and overlay	Seal coat and overlay	Seal coat and overlay	
		Medium	Seal coat and overlay	Seal coat and overlay	Seal coat and overlay	
		High	Seal coat and overlay	Seal coat and overlay	Seal coat and overlay	

Predominant Distress	Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Swell/Roughness	Some Roughness	Low	Monitor	Monitor or overlay	Seal coat
		Medium	Monitor	Monitor or overlay	Seal coat
		High	Monitor	Monitor or overlay	Seal coat
	Rough	Low	Mill and overlay or seal coat	Mill and overlay or seal coat	Mill, seal coat, and overlay
		Medium	Mill and overlay or seal coat	Mill and overlay or seal coat	Mill, seal coat, and overlay
		High	Mill and overlay or seal coat	Mill and overlay or seal coat	Mill, seal coat, and overlay

Predominant Distress	Few or Many	Traffic Level or Importance	Only Localized	Short-term Repair 1-2 Years	Long-term Treatment Seal coat
Failures	Few	Low	Patch	Overlay	Seal coat and overlay
		Medium	Patch	Overlay	Seal coat and overlay
		High	Patch	Overlay	Seal coat and overlay
	Many	Low	Patch	Overlay	Reconstruct
		Medium	Patch	Overlay	Reconstruct
		High	Patch	Overlay	Reconstruct

Brownwood

Predominant Crack Distress		Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Transverse Cracking	>40'	Mostly tight	Low	Crack seal	Crack seal	Crack seal
			Medium	Crack seal	Crack seal	Crack seal
			High	Crack seal	Crack seal	Crack seal
	Open, < 1/2"		Low	Crack seal	Crack seal	Crack seal
			Medium	Crack seal	Crack seal	Rout cracks and seal
			High	Crack seal	Crack seal	Rout cracks and seal
	>1/2" or deteriorated		Low	Patch	Patch	Patch
			Medium	Patch	Patch	Patch
			High	Patch	Patch	Patch
	Cupped or Tented		Low	Patch	Patch	Patch
			Medium	Patch	Patch	Patch
			High	Patch	Patch	Patch
15' - 40'	Mostly tight	Low	Crack seal	Crack seal	Crack seal	
		Medium	Crack seal	Crack seal	Crack seal	
		High	Crack seal	Crack seal	Crack seal	
	Open, < 1/2"		Low	Crack seal	Crack seal	Crack seal
			Medium	Crack seal	Crack seal	Rout cracks and seal
			High	Crack seal	Crack seal	Rout cracks and seal
	>1/2" or deteriorated		Low	Patch	Patch	Patch
			Medium	Patch	Patch	Patch
			High	Patch	Patch	Patch
	Cupped or Tented		Low	Patch	Patch	Patch
			Medium	Patch	Patch	Patch
			High	Patch	Patch	Patch
<15'	Mostly tight	Low	Seal coat	Seal coat	Seal coat	
		Medium	Seal coat	Seal coat	Seal coat	
		High	Seal coat	Seal coat	Seal coat	
	Open, < 1/2"		Low	Crack seal	Seal coat	Seal coat
			Medium	Crack seal	Crack seal and seal coat	Crack seal and seal coat
			High	Crack seal	Crack seal and seal coat	Reconstruct
	>1/2" or deteriorated		Low	Patch	Patch and seal coat	Reconstruct
			Medium	Patch	Reconstruct	Reconstruct
			High	Patch	Reconstruct	Reconstruct
	Cupped or Tented		Low	Patch	Reconstruct	Reconstruct
			Medium	Patch	Reconstruct	Reconstruct
			High	Patch	Reconstruct	Reconstruct

Brownwood (Cont)

Predominant Distress	Crack Spacing (Across)	Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Longitudinal Cracking	>Lane Width	Mostly tight	Low	Crack seal	Crack seal	Crack seal
			Medium	Crack seal	Crack seal	Crack seal
			High	Crack seal	Crack seal	Crack seal
	Open, < 1/2"		Low	Crack seal	Crack seal	Crack seal and overlay
			Medium	Crack seal	Crack seal	Rout cracks and overlay
			High	Crack seal	Crack seal	Rout cracks and overlay
	>1/2" or deteriorated		Low	Patch	Patch	Patch and overlay
			Medium	Patch	Patch	Patch and overlay
			High	Patch	Patch	Patch and overlay
	1 per lane	Mostly tight	Low	Crack seal	Crack seal	Crack seal
			Medium	Crack seal	Crack seal	Crack seal
			High	Crack seal	Crack seal	Crack seal
Open, < 1/2"			Low	Crack seal	Crack seal	Crack seal and overlay
			Medium	Crack seal	Crack seal	Rout cracks and overlay
			High	Crack seal	Crack seal	Rout cracks and overlay
>1/2" or deteriorated			Low	Patch	Patch	Patch and overlay
			Medium	Patch	Patch	Patch and overlay
			High	Patch	Patch	Patch and overlay
>1 per lane	Mostly tight	Low	Crack seal	Seal coat	Seal coat and overlay	
		Medium	Crack seal	Seal coat	Seal coat and overlay	
		High	Crack seal	Seal coat	Seal coat and overlay	
	Open, < 1/2"		Low	Crack seal	Rout cracks and seal	Rout cracks and overlay
			Medium	Crack seal	Rout cracks and seal	Rout cracks and overlay
			High	Crack seal	Rout cracks and seal	Rout cracks and overlay
	>1/2" or deteriorated		Low	Patch	Patch and seal coat	Reconstruct
			Medium	Patch	Patch and seal coat	Reconstruct
			High	Patch	Patch and seal coat	Reconstruct

Brownwood (Cont)

Predominant Distress	# Lanes	Severity	Traffic Level or Importance	Fast or Slow	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Rutting	1 Wheelpath	0.5" to 1" (Shallow)	Low	F	Fill rut	Fill rut	Microsurface
				S	Monitor	Fill rut	Microsurface
			Medium	F	Fill rut	Fill rut	Microsurface
			S	Monitor	Fill rut	Microsurface	
			High	F	Fill rut	Fill rut	Microsurface
			S	Fill rut	Fill rut	Microsurface	
		> 1" (Deep)	Low	F	Fill rut	Fill rut	Reconstruct
			S	Monitor	Fill rut	Reconstruct	
			Medium	F	Patch	Fill rut	Reconstruct
			S	Fill rut	Fill rut	Reconstruct	
			High	F	Patch	Fill rut	Reconstruct
			S	Fill rut	Fill rut	Reconstruct	
Both Wheelpaths	0.5" to 1" (Shallow)	0.5" to 1" (Shallow)	Low	F	Fill rut	Microsurface	Overlay
				S	Monitor	Microsurface	Overlay
			Medium	F	Fill rut	Microsurface	Overlay
			S	Monitor	Microsurface	Overlay	
			High	F	Fill rut	Microsurface	Overlay
			S	Fill rut	Microsurface	Overlay	
		> 1" (Deep)	Low	F	Fill rut	Overlay	Reconstruct
			S	Monitor	Overlay	Reconstruct	
			Medium	F	Patch	Overlay	Reconstruct
			S	Patch	Overlay	Reconstruct	
			High	F	Patch	Overlay	Reconstruct
			S	Patch	Overlay	Reconstruct	

Brownwood (Cont)

Predominant Distress	# Lanes	Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Alligator Cracking	1 Wheelpath	Minor	Low	Monitor	Seal coat	Patch and seal coat
			Medium	Patch	Seal coat	Patch and seal coat
			High	Patch	Seal coat	Patch and seal coat
	Both Wheelpaths	Major	Low	Patch	Patch and seal coat	Patch and overlay
			Medium	Patch	Patch and seal coat	Patch and overlay
			High	Patch	Patch and seal coat	Patch and overlay
Both Wheelpaths	Minor	Low	Monitor	Patch and seal coat	Patch and overlay	
		Medium	Patch	Patch and seal coat	Patch and overlay	
		High	Patch	Patch and seal coat	Patch and overlay	
Both Wheelpaths	Major	Low	Patch	Patch and overlay	Reconstruct	
		Medium	Patch	Patch and overlay	Reconstruct	
		High	Patch	Patch and overlay	Reconstruct	

Predominant Distress	Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years	
Swell/Roughness	Some Roughness	Low	Monitor	Level up	Level up	
		Medium	Monitor	Level up	Level up	
		High	Level up	Level up	Level up	
	Rough	Low	Monitor	Level up	Level up	Reconstruct
		Medium	Level up	Level up	Level up	Reconstruct
		High	Level up	Level up	Level up	Reconstruct

Predominant Distress	Few or Many	Traffic Level or Importance	Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Failures	Few	Low	Patch	Patch	Patch and overlay
		Medium	Patch	Patch	Patch and overlay
		High	Patch	Patch	Patch and overlay
	Many	Low	Patch	Patch	Reconstruct
		Medium	Patch	Patch	Reconstruct
		High	Patch	Patch	Reconstruct

Bryan

Predominant Crack Distress		Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Transverse Cracking	>40'	Mostly tight	Low	Nothing	Crack Seal	Nothing
			Medium	Crack Seal	Crack Seal	Nothing
			High	Crack Seal	Crack Seal	Nothing
	Open, < 1/2"		Low	Crack Seal	Crack Seal	Crack seal, seal coat on normal schedule
			Medium	Crack Seal	Crack Seal	Crack seal, seal coat on normal schedule
			High	Crack Seal	Crack Seal	Crack seal, seal coat on normal schedule
	>1/2" or deteriorated		Low	Crack Seal	Patch bad areas, crack seal rest	Spot Reconstruct
			Medium	Crack Seal	Patch bad areas, crack seal rest	Spot Reconstruct
			High	Crack Seal	Patch bad areas, crack seal rest	Spot Reconstruct
	Cupped or Tented		Low	Minor level up	Minor level up and call District or Forensic Team	Minor level up and call District or Forensic Team
			Medium	Minor level up	Minor level up and call District or Forensic Team	Minor level up and call District or Forensic Team
			High	Minor level up	Minor level up and call District or Forensic Team	Minor level up and call District or Forensic Team
15' - 40'	Mostly tight	Low	Crack Seal	Crack Seal	Crack seal, seal coat on normal schedule	
		Medium	Crack Seal	Crack Seal	Crack seal, seal coat on normal schedule	
		High	Crack Seal	Crack Seal	Crack seal, seal coat on normal schedule	
	Open, < 1/2"		Low	Crack Seal	Crack Seal	Crack seal, seal coat on normal schedule
			Medium	Crack Seal	Crack Seal	Crack seal, seal coat on normal schedule
			High	Crack Seal	Crack Seal	Crack seal, seal coat on normal schedule
	>1/2" or deteriorated		Low	Patch and Crack Seal	Patch bad areas, crack seal rest	Spot Reconstruct
			Medium	Patch and Crack Seal	Patch bad areas, crack seal rest	Spot Reconstruct
			High	Patch and Crack Seal	Patch bad areas, crack seal rest	Spot Reconstruct
	Cupped or Tented		Low	Patch	Minor level up and call District or Forensic Team	Minor level up and call District or Forensic Team
			Medium	Patch	Minor level up and call District or Forensic Team	Minor level up and call District or Forensic Team
			High	Patch	Minor level up and call District or Forensic Team	Minor level up and call District or Forensic Team
<15'	Mostly tight	Low	Crack Seal	Crack Seal	Crack seal, seal coat on normal schedule	
		Medium	Crack Seal	Crack Seal	Crack seal, seal coat on normal schedule	
		High	Crack Seal	Crack Seal	Crack seal, seal coat on normal schedule	
	Open, < 1/2"		Low	Crack Seal	Crack Seal	Crack seal, seal coat on normal schedule
			Medium	Crack Seal	Crack Seal	Crack seal, seal coat on normal schedule
			High	Crack Seal	Crack Seal	Crack seal, seal coat on normal schedule
	>1/2" or deteriorated		Low	Base repair	Base repair	Reconstruct
			Medium	Base repair	Base repair	Reconstruct
			High	Base repair	Base repair	Reconstruct
	Cupped or Tented		Low	Patch	Patch	Reconstruct
			Medium	Patch	Patch	Reconstruct
			High	Patch	Patch	Reconstruct

Bryan (Cont)

Predominant Crack Spacing Distress (Across)	Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years	
Longitudinal >Lane Width Cracking	Mostly tight	Low	Nothing	Crack Seal	Crack Seal	
		Medium	Crack Seal	Crack Seal	Crack Seal	
		High	Crack Seal	Crack Seal	Crack Seal	
	Open, < 1/2"	Low	Crack Seal	Crack Seal	Crack Seal	Crack Seal
		Medium	Crack Seal	Crack Seal	Crack Seal	Crack Seal
		High	Crack Seal	Crack Seal	Crack Seal	Crack Seal
	>1/2" or deteriorated	Low	Crack Seal	Crack Seal	Crack Seal	Spot Reconstruct
		Medium	Crack Seal	Crack Seal	Crack Seal	Spot Reconstruct
		High	Crack Seal	Crack Seal	Crack Seal	Spot Reconstruct
	1 per lane	Mostly tight	Low	Crack Seal	Crack Seal	Crack Seal
			Medium	Crack Seal	Crack Seal	Crack Seal
			High	Crack Seal	Crack Seal	Crack Seal
Open, < 1/2"		Low	Crack Seal	Crack Seal	Crack Seal	Crack Seal
		Medium	Crack Seal	Crack Seal	Crack Seal	Crack Seal
		High	Crack Seal	Crack Seal	Crack Seal	Crack Seal
>1/2" or deteriorated	Low	Crack Seal	Crack Seal	Crack Seal	Spot Reconstruct	
	Medium	Crack Seal	Crack Seal	Crack Seal	Spot Reconstruct	
	High	Crack Seal	Crack Seal	Crack Seal	Spot Reconstruct	
>1 per lane	Mostly Tight	Low	Crack Seal	Crack Seal	Crack seal, seal coat on normal schedule	
		Medium	Crack Seal	Crack Seal	Crack seal, seal coat on normal schedule	
		High	Crack Seal	Crack Seal	Crack seal, seal coat on normal schedule	
	Open, < 1/2"	Low	Crack Seal	Crack Seal	Crack Seal	Crack seal, seal coat on normal schedule
		Medium	Crack Seal	Crack Seal	Crack Seal	Either Crack seal, seal coat or reconstruct
		High	Crack Seal	Crack Seal	Crack Seal	Reconstruct
	>1/2" or deteriorated	Low	Crack Seal	Crack Seal	Crack Seal	Reconstruct
		Medium	Crack Seal	Crack Seal	Crack Seal	Reconstruct
		High	Crack Seal	Crack Seal	Crack Seal	Reconstruct

Bryan (Cont)

Predominant Distress			Traffic Level or Importance	Fast or Slow	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Rutting	1 Wheelpath	Low	F	Fill Rut	Level up	Level up and seal coat normal schedule	
			S	Nothing	Level up	Level up and seal coat normal schedule	
		0.5" to 1" (Shallow)	Medium	F	Fill Rut	Level up	Level up and seal coat normal schedule
			S	Nothing	Level up	Level up and seal coat normal schedule	
		High	F	Fill Rut	Mill and replace	Mill and replace	
			S	Nothing	Mill and replace	Mill and replace	
	> 1" (Deep)	Low	F	Fill Rut	Level up	Level up and seal coat normal schedule	
			S	Nothing	Level up	Level up and seal coat normal schedule	
		Medium	F	Patch	Level up	Level up and seal coat normal schedule	
			S	Fill Rut	Level up	Level up and seal coat normal schedule	
		High	F	Patch	Mill and replace	Mill and replace	
			S	Fill Rut	Mill and replace	Mill and replace	
	Both Wheelpaths	0.5" to 1" (Shallow)	Low	F	Fill Rut	Level up	Level up and seal coat normal schedule
				S	Nothing	Level up	Level up and seal coat normal schedule
			Medium	F	Fill Rut	Level up	Level up and seal coat normal schedule
				S	Nothing	Level up	Level up and seal coat normal schedule
			High	F	Fill Rut	Mill and replace	Mill and replace
				S	Fill Rut	Mill and replace	Mill and replace
> 1" (Deep)		Low	F	Fill Rut	Level up	Level up and seal coat normal schedule	
			S	Nothing	Level up	Level up and seal coat normal schedule	
		Medium	F	Patch	Mill and replace	Mill and replace	
			S	Patch	Mill and replace	Level up and seal coat normal schedule	
		High	F	Patch	Mill and replace	Mill and replace	
			S	Patch	Mill and replace	Mill and replace	

Bryan (Cont)

Predominant Distress	# Lanes	Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Alligator Cracking	1 Wheelpath	Minor	Low	Spot seal	Spot seal	Spot seal
			Medium	Spot seal	Spot seal	Spot seal
			High	Spot seal	Spot seal	Spot seal
	Major	Low	Spot reconstruct	Spot reconstruct	Spot reconstruct	
		Medium	Spot reconstruct	Spot reconstruct	Spot reconstruct	
		High	Spot reconstruct	Spot reconstruct	Spot reconstruct	
Both Wheelpaths	Minor	Low	Spot seal	Full lane seal coat	Full lane seal coat	
		Medium	Spot seal	Full lane seal coat	Full lane seal coat	
		High	Spot seal	Full lane seal coat	Full lane seal coat	
	Major	Low	Spot reconstruct lane	Spot reconstruct lane	Spot reconstruct lane	
		Medium	Spot reconstruct lane	Spot reconstruct lane	Spot reconstruct lane	
		High	Spot reconstruct lane	Spot reconstruct lane	Spot reconstruct lane	

Predominant Distress	Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Swell/Roughness	Some Roughness	Low	Nothing	Nothing	Nothing
		Medium	Nothing	Nothing	Nothing
		High	Spot level up	Spot level up	Spot level up
	Rough	Low	Level up	Level up	Level up
		Medium	Level up	Level up	Level up
		High	Spot level up	Mill and replace	Mill and replace

Predominant Distress	Few or Many	Traffic Level or Importance	Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Failures	Few	Low	Spot repair	Spot repair	Spot repair
		Medium	Spot repair	Spot repair	Spot repair
		High	Spot repair	Spot repair	Spot repair
	Many	Low	Reconstruct	Reconstruct	Reconstruct
		Medium	Reconstruct	Reconstruct	Reconstruct
		High	Reconstruct	Reconstruct	Reconstruct

Childress

Predominant Crack Distress		Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years	
Transverse Cracking	>40'	Low	Monitor	Monitor	Monitor	
		Medium	Monitor	Monitor	Monitor	
		High	Monitor	Monitor	Monitor	
	Open, < 1/2"	Low	Monitor	Monitor	Monitor	Monitor
		Medium	Monitor	Monitor	Monitor	Monitor
		High	Monitor	Monitor	Monitor	Monitor
	>1/2" or deteriorated	Low	Patch bad areas	Patch bad areas	Patch bad areas	
		Medium	Crack seal	Crack seal	Crack seal	
		High	Crack seal	Crack seal	Crack seal	
	Cupped or Tented	Low	Minor patching and call District or Forensic Team	Minor patching and call District or Forensic Team	Minor patching and call District or Forensic Team	
		Medium	Minor patching and call District or Forensic Team	Minor patching and call District or Forensic Team	Minor patching and call District or Forensic Team	
		High	Minor patching and call District or Forensic Team	Minor patching and call District or Forensic Team	Minor patching and call District or Forensic Team	
15' - 40'	Mostly tight	Low	Monitor	Monitor	Monitor	
		Medium	Crack seal	Crack seal	Crack seal	
		High	Crack seal	Crack seal	Crack seal	
	Open, < 1/2"	Low	Crack seal	Crack seal	Crack seal	
		Medium	Crack seal	Crack seal	Crack seal	
		High	Crack seal	Crack seal	Crack seal	
	>1/2" or deteriorated	Low	Crack seal	Crack seal	Crack seal	
		Medium	Crack seal	Crack seal	Crack seal	
		High	Crack seal	Crack seal	Crack seal	
	Cupped or Tented	Low	Minor patching and call District or Forensic Team	Minor patching and call District or Forensic Team	Minor patching and call District or Forensic Team	
		Medium	Minor patching and call District or Forensic Team	Minor patching and call District or Forensic Team	Minor patching and call District or Forensic Team	
		High	Minor patching and call District or Forensic Team	Minor patching and call District or Forensic Team	Minor patching and call District or Forensic Team	
<15'	Mostly tight	Low	Blade patch	Blade patch	Blade patch	
		Medium	Blade patch	Blade patch	Blade patch	
		High	Seal coat	Seal coat	Seal coat	
	Open, < 1/2"	Low	Seal coat or strip seal	Seal coat or strip seal	Seal coat or strip seal	
		Medium	Blade patch	Blade patch	Blade patch	
		High	Patch bad areas	Patch bad areas	Patch bad areas	
	>1/2" or deteriorated	Low	Blade patch	Blade patch	Blade patch	
		Medium	Mill and blade patch	Mill and blade patch	Mill and blade patch	
		High	Mill and blade patch	Mill and blade patch	Reconstruct	
	Cupped or Tented	Low	Minor patching and call District or Forensic Team	Minor patching and call District or Forensic Team	Minor patching and call District or Forensic Team	
		Medium	Minor patching and call District or Forensic Team	Minor patching and call District or Forensic Team	Minor patching and call District or Forensic Team	
		High	Minor patching and call District or Forensic Team	Minor patching and call District or Forensic Team	Minor patching and call District or Forensic Team	

Childress (Cont)

Predominant Crack Spacing	Traffic Level	Action if Only	Short-term Repair	Long-term Treatment	
Distress (Across) Severity	or Importance	Localized	1-2 Years	3+ Years	
Longitudinal >Lane Width Cracking	Mostly tight	Low	Monitor	Monitor	Monitor
		Medium	Monitor	Monitor	Monitor
		High	Monitor	Monitor	Crack seal
	Open, < 1/2"	Low	Strip seal	Strip seal	Strip seal
		Medium	Strip seal	Strip seal	Strip seal
		High	Crack seal	Crack seal	Crack seal
	>1/2" or deteriorated	Low	Strip seal	Strip seal	Strip seal
		Medium	Crack seal	Crack seal	Crack seal
		High	Crack seal	Crack seal	Crack seal
1 per lane	Mostly tight	Low	Monitor	Monitor	Monitor
		Medium	Monitor	Monitor	Monitor
		High	Monitor	Monitor	Crack seal
	Open, < 1/2"	Low	Strip seal	Strip seal	Strip seal
		Medium	Strip seal	Strip seal	Strip seal
		High	Crack seal	Crack seal	Crack seal
	>1/2" or deteriorated	Low	Blade patch	Blade patch	Blade patch
		Medium	Crack seal	Crack seal	Crack seal
		High	Crack seal	Crack seal	Crack seal
>1 per lane	Mostly tight	Low	Monitor	Monitor	Monitor
		Medium	Monitor	Monitor	Monitor
		High	Seal coat	Seal coat	Seal coat
	Open, < 1/2"	Low	Strip seal	Strip seal	Strip seal
		Medium	Strip seal	Strip seal	Seal coat
		High	Seal coat	Seal coat	Crack seal and seal coat later
	>1/2" or deteriorated	Low	Blade patch	Blade patch	Blade patch
		Medium	Blade patch	Blade patch	Reconstruct
		High	Blade patch	Reconstruct	Reconstruct

Childress (Cont)

Predominant Distress	# Lanes	Severity	Traffic Level or Importance	Fast or Slow	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Rutting	1 Wheelpath	Low	F	Monitor	Monitor	Monitor	Monitor
			S	Monitor	Monitor	Monitor	
		0.5" to 1" (Shallow)	Medium	F	Monitor	Monitor	Monitor
			S	Monitor	Monitor	Monitor	
		High	F	Blade patch	Microsurface	Overlay	
			S	Blade patch	Microsurface	Overlay	
	> 1" (Deep)	Low	F	Monitor	Monitor	Rework surface and base	
			S	Blade patch	Blade patch	Rework surface and base	
		Medium	F	Blade patch	Blade patch	Blade patch	
			S	Blade patch	Blade patch	Blade patch	
		High	F	Blade patch	Blade patch	Blade patch	
			S	Blade patch	Blade patch	Blade patch	
Both Wheelpaths	0.5" to 1" (Shallow)	Low	F	Monitor	Monitor	Monitor	
			S	Monitor	Monitor	Monitor	
		Medium	F	Monitor	Monitor	Monitor	
			S	Monitor	Monitor	Monitor	
		High	F	Blade patch	Microsurface	Overlay	
			S	Blade patch	Microsurface	Overlay	
	> 1" (Deep)	Low	F	Blade patch or strip seal	Blade patch or strip seal	Rework surface and base	
			S	Monitor	Monitor	Rework surface and base	
		Medium	F	Blade patch	Blade patch	Blade patch	
			S	Blade patch	Blade patch	Blade patch	
		High	F	Blade patch	Mill and overlay	Mill and overlay	
			S	Blade patch	Mill and overlay	Mill and overlay	

Childress (Cont)

Predominant Distress	# Lanes	Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Alligator Cracking	1 Wheelpath	Minor	Low	Monitor	Monitor	Strip seal
			Medium	Monitor	Monitor	Strip seal
			High	Monitor	Monitor	Strip seal
		Major	Low	Strip seal	Strip seal	Blade patch
			Medium	Strip seal	Strip seal	Blade patch
			High	Blade patch	Blade patch	Mill surface and base, replace
	Both Wheelpaths	Minor	Low	Strip seal	Strip seal	Strip seal
			Medium	Strip seal	Strip seal	Blade patch
			High	Blade patch	Blade patch	Blade patch
		Major	Low	Seal coat	Seal coat	Rework surface and base
			Medium	Blade patch	Blade patch	Rework surface and base
			High	Blade patch	Blade patch	Reconstruct

Predominant Distress	Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Swell/Roughness	Some Roughness	Low	Monitor	Monitor	Monitor
		Medium	Monitor	Monitor	Monitor
		High	Mill	Mill	Mill
	Rough	Low	Monitor	Monitor	Monitor
		Medium	Monitor	Monitor	Monitor
		High	Mill	Mill	Mill (no replace)

Predominant Distress	Few or Many	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Failures	Few	Low	Blade patch	Blade patch	Blade patch
		Medium	Blade patch	Blade patch	Overlay
		High	Blade patch	Blade patch	Overlay
	Many	Low	Blade patch	Blade patch	Blade patch
		Medium	Blade patch	Blade patch	Reconstruct
		High	Blade patch	Blade patch	Reconstruct

Corpus Christi

Predominant Crack Distress		Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years	
Transverse Cracking	>40'	Mostly tight	Low	Monitor	Monitor	Monitor	
			Medium	Monitor	Monitor	Monitor	
			High	Monitor	Monitor	Monitor	
		Open, < 1/2"	Low	Monitor	Monitor	Crack seal	Crack seal
			Medium	Monitor	Crack seal	Crack seal	
			High	Monitor	Crack seal	Crack seal	
		>1/2" or deteriorated	Low	Patch and crack seal	Patch and crack seal	Patch and crack seal	
			Medium	Patch, crack seal, and level up	Patch, crack seal, and level up	Patch, crack seal, and level up	
			High	Patch, crack seal, and level up	Patch, crack seal, and level up	Patch, crack seal, and level up	
	Cupped or Tented	Low	Blade level tops of cracks and patch	Call District Office	Call District Office		
		Medium	Mill, crack seal, and blade level	Call District Office	Call District Office		
		High	Mill, crack seal, and blade level	Call District Office	Call District Office		
	15' - 40'	Mostly tight	Low	Monitor	Monitor	Monitor	
			Medium	Monitor	Monitor	Monitor	
			High	Monitor	Monitor	Monitor	
Open, < 1/2"			Low	Monitor	Crack seal	Crack seal	
			Medium	Patch and crack seal	Patch and crack seal	Patch and crack seal	
			High	Patch and crack seal	Patch and crack seal	Patch and crack seal	
>1/2" or deteriorated			Low	Monitor	Crack seal	Crack seal	
			Medium	Patch, crack seal, and level up	Patch and crack seal	Patch and crack seal	
			High	Patch, crack seal, and level up	Patch and crack seal	Patch and crack seal	
Cupped or Tented		Low	Blade level tops of cracks and patch	Call District Office	Call District Office		
		Medium	Mill, crack seal, and blade level	Call District Office	Call District Office		
		High	Mill, crack seal, and blade level	Call District Office	Call District Office		
<15'		Mostly tight	Low	Monitor	Monitor	Monitor	
			Medium	Monitor	Monitor	Monitor	
			High	Monitor	Monitor	Monitor	
	Open, < 1/2"		Low	Monitor	Crack seal	Crack seal	
			Medium	Patch and crack seal	Patch and crack seal	Patch and crack seal	
			High	Patch and crack seal	Patch and crack seal	Patch and crack seal	
	>1/2" or deteriorated		Low	Monitor	Crack seal	Crack seal	
			Medium	Patch, crack seal, and level up	Patch and crack seal	Patch and crack seal	
			High	Patch, crack seal, and level up	Patch and crack seal	Patch and crack seal	
	Cupped or Tented	Low	Blade level tops of cracks and patch	Call District Office	Call District Office		
		Medium	Mill, crack seal, and blade level	Call District Office	Call District Office		
		High	Mill, crack seal, and blade level	Call District Office	Call District Office		

Corpus Christi (Cont)

Predominant Distress	Crack Spacing (Across) Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years	
Longitudinal Cracking	>Lane Width Mostly tight	Low	Monitor	Fog seal or monitor	Fog seal or monitor	
		Medium	Monitor	Fog seal or monitor	Fog seal or monitor	
		High	Monitor	Fog seal or monitor	Fog seal or monitor	
	Open, < 1/2"	Low	Monitor	Monitor	Monitor	Monitor
		Medium	Monitor	Monitor or crack seal	Monitor or crack seal	Crack seal
		High	Monitor	Crack seal	Crack seal	Crack seal
	> 1/2" or deteriorated	Low	Monitor	Monitor	Monitor	Monitor
		Medium	Monitor	Crack seal	Crack seal	Crack seal
		High	Monitor	Crack seal	Crack seal	Crack seal
	1 per lane	Mostly tight	Low	Monitor	Fog seal or monitor	Seal coat
			Medium	Monitor	Fog seal or monitor	Seal coat (rural) or overlay (urban)
			High	Monitor	Fog seal or monitor	Seal coat (rural) or overlay (urban)
Open, < 1/2"		Low	Monitor	Crack seal	Crack seal	Crack seal
		Medium	Monitor	Crack seal and strip seal	Crack seal and strip seal	Crack seal and strip seal
		High	Monitor	Crack seal and strip seal	Crack seal and strip seal	Crack seal and strip seal
> 1/2" or deteriorated	Low	Monitor	Call District Office	Call District Office	Call District Office	
	Medium	Monitor	Call District Office	Call District Office	Call District Office	
	High	Monitor	Call District Office	Call District Office	Call District Office	
>1 per lane	Mostly tight	Low	Monitor	Fog seal or monitor	Seal coat	
		Medium	Monitor	Fog seal or monitor	Seal coat (rural) or overlay (urban)	
		High	Monitor	Fog seal or monitor	Seal coat (rural) or overlay (urban)	
	Open, < 1/2"	Low	Monitor	Crack seal	Crack seal	Crack seal
		Medium	Crack seal	Crack seal	Crack seal	Crack seal
		High	Crack seal	Crack seal	Crack seal	Crack seal
> 1/2" or deteriorated	Low	Crack seal and blade patch	Call District Office	Call District Office	Call District Office	
	Medium	Crack seal and blade patch	Call District Office	Call District Office	Call District Office	
	High	Crack seal and blade patch	Call District Office	Call District Office	Call District Office	

Corpus Christi (Cont)

Predominant Distress	# Lanes	Severity	Traffic Level or Importance	Fast or Slow	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Rutting	1 Wheelpath	Low	F	Monitor	Fill ruts and or strip seal	Fill ruts and or strip seal	
			S	Monitor	Fill ruts and or strip seal	Fill ruts and or strip seal	
		0.5" to 1" (Shallow)	F	Blade level or hot mix level up	Blade level or hot mix level up	Blade level or hot mix level up	
			S	Blade level or hot mix level up	Blade level or hot mix level up	Blade level or hot mix level up	
		High	F	Blade level or hot mix level up	Blade level or hot mix level up	Blade level or hot mix level up	
			S	Blade level or hot mix level up	Blade level or hot mix level up	Blade level or hot mix level up	
	> 1" (Deep)	Low	F	Blade level or hot mix level up	Fill ruts and or strip seal	Fill ruts and level up	
			S	Blade patch	Fill ruts and or strip seal	Fill ruts and level up	
		Medium	F	Mill and replace	Call District Office	Call District Office	
			S	Mill and replace	Call District Office	Call District Office	
		High	F	Mill and replace	Call District Office	Call District Office	
			S	Mill and replace	Call District Office	Call District Office	
Both Wheelpaths	0.5" to 1" (Shallow)	Low	F	Monitor	Fill ruts and or strip seal	Fill ruts and or strip seal	
			S	Monitor	Fill ruts and or strip seal	Fill ruts and or strip seal	
		Medium	F	Blade level or hot mix level up	Blade level or hot mix level up	Blade level or hot mix level up	
			S	Blade level or hot mix level up	Blade level or hot mix level up	Blade level or hot mix level up	
		High	F	Blade level or hot mix level up	Blade level or hot mix level up	Blade level or hot mix level up	
			S	Blade level or hot mix level up	Blade level or hot mix level up	Blade level or hot mix level up	
	> 1" (Deep)	Low	F	Blade level or hot mix level up	Fill ruts and or strip seal	Fill ruts and level up	
			S	Blade patch	Fill ruts and or strip seal	Fill ruts and level up	
		Medium	F	Mill and replace	Call District Office	Call District Office	
			S	Mill and replace	Call District Office	Call District Office	
		High	F	Mill and replace	Call District Office	Call District Office	
			S	Mill and replace	Call District Office	Call District Office	

Corpus Christi (Cont)

Predominant Distress	# Lanes	Traffic Level Severity or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Alligator Cracking	1 Wheelpath	Low	Monitor	Monitor	Monitor
		Medium	Monitor	Plan rehabilitation or restoration	Plan rehabilitation or restoration
		High	Monitor	Plan rehabilitation or restoration	Plan rehabilitation or restoration
	Major	Low	Monitor	Monitor	Monitor
		Medium	Full depth base repair and level up or hot mix patch	Plan rehabilitation or restoration	Plan rehabilitation or restoration
		High	Full depth base repair and level up or hot mix patch	Plan rehabilitation or restoration	Plan rehabilitation or restoration
Both Wheelpaths	Minor	Low	Monitor	Monitor	Monitor
		Medium	Monitor	Plan rehabilitation or restoration	Plan rehabilitation or restoration
		High	Monitor	Plan rehabilitation or restoration	Plan rehabilitation or restoration
	Major	Low	Monitor	Monitor	Level up
		Medium	Full depth base repair and level up or hot mix patch	Plan rehabilitation or restoration	Plan rehabilitation or restoration
		High	Full depth base repair and level up or hot mix patch	Plan rehabilitation or restoration	Plan rehabilitation or restoration

Predominant Distress	Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Swell/ Roughness	Some Roughness	Low	Monitor	Blade level up	Blade level up
		Medium	Monitor	Mill and level up	Mill and level up
		High	Monitor	Mill and level up	Mill and level up
	Rough	Low	Monitor	Blade level up	Blade level up
		Medium	Monitor	Mill and level up	Mill and level up
		High	Monitor	Mill and level up	Mill and level up

Predominant Distress	Few or Many	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Failures	Few	Low	Full depth base repair and level up or hot mix patch	Full depth base repair and level up or hot mix patch	Full depth base repair and level up or hot mix patch
		Medium	Full depth base repair and level up or hot mix patch	Full depth base repair and level up or hot mix patch	Full depth base repair and level up or hot mix patch
		High	Full depth base repair and level up or hot mix patch	Full depth base repair and level up or hot mix patch	Full depth base repair and level up or hot mix patch
	Many	Low	Full depth base repair and level up or hot mix patch	Plan rehabilitation or restoration	Plan rehabilitation or restoration
		Medium	Full depth base repair and level up or hot mix patch	Plan rehabilitation or restoration	Plan rehabilitation or restoration
		High	Full depth base repair and level up or hot mix patch	Plan rehabilitation or restoration	Plan rehabilitation or restoration

Dallas

Predominant Crack Distress		Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years		
Transverse Cracking	>40'	Mostly tight	Low Crack seal Crack seal	Seal coat Either crack seal or seal coat Crack seal	Seal coat Either crack seal or seal coat Crack seal		
		Open, < 1/2"	Low Crack seal	Crack seal	Crack seal		
			Medium Crack seal	Crack seal and plant mix seal	Crack seal and plant mix seal		
	High Patch and crack seal		Crack seal and plant mix seal	Crack seal and plant mix seal			
	>1/2" or deteriorated	Low	Blade patch	Reconstruct	Reconstruct		
		Medium	Mill and overlay	Mill and overlay	Mill and overlay		
		High	Mill and overlay	Mill and overlay	Mill and overlay		
	Cupped or Tented	Low	Level up	Level up	Level up		
		Medium	Mill and inlay	Mill and inlay	Mill and inlay		
		High	Mill and inlay	Mill and inlay	Mill and inlay		
	15' - 40'	Mostly tight	Low Crack seal	Crack seal	Seal coat Either crack seal or seal coat Crack seal	Seal coat Either crack seal or seal coat Crack seal	
			Open, < 1/2"	Low Crack seal	Crack seal	Crack seal	Crack seal
				Medium Crack seal	Crack seal and plant mix seal	Crack seal and plant mix seal	
		High Crack seal		Crack seal and plant mix seal	Crack seal and plant mix seal		
		>1/2" or deteriorated	Low	Blade patch	Reconstruct	Reconstruct	
Medium			Mill and overlay	Mill and overlay	Mill and overlay		
High			Mill and overlay	Mill and overlay	Mill and overlay		
Cupped or Tented		Low	Level up	Level up	Level up		
		Medium	Mill and inlay	Mill and inlay	Mill and inlay		
		High	Mill and inlay	Mill and inlay	Mill and inlay		
<15'		Mostly tight	Low Crack seal	Crack seal	Seal coat Either crack seal or seal coat Crack seal	Seal coat Either crack seal or seal coat Crack seal	
			Open, < 1/2"	Low Crack seal	Crack seal	Crack seal	Crack seal
				Medium Crack seal	Crack seal and plant mix seal	Crack seal and plant mix seal	
		High Crack seal		Crack seal and plant mix seal	Crack seal and plant mix seal		
		>1/2" or deteriorated	Low	Blade patch	Reconstruct	Reconstruct	
	Medium		Mill and overlay	Mill and overlay	Mill and overlay		
	High		Mill and overlay	Mill and overlay	Mill and overlay		
	Cupped or Tented	Low	Level up	Level up	Level up		
		Medium	Mill and inlay	Mill and inlay	Mill and inlay		
		High	Mill and inlay	Mill and inlay	Mill and inlay		

Dallas (Cont)

Predominant Crack Spacing Distress (Across)	Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years	
Longitudinal >Lane Width Cracking	Mostly tight	Low	Observe and wait for normal seal	Observe and wait for normal seal	Observe and wait for normal seal coat cycle	
		Medium	Observe and wait for normal seal	Observe and wait for normal seal	Observe and wait for normal seal coat cycle	
		High	Observe and wait for normal seal	Observe and wait for normal seal	Observe and wait for normal seal coat cycle	
	Open, < 1/2"	Low	Crack seal	Crack seal	Crack seal	
		Medium	Crack seal	Crack seal	Crack seal	
		High	Crack seal	Crack seal	Crack seal	
	>1/2" or deteriorated	Low	Cut out and replace	Cut out and replace	Cut out and replace	
		Medium	Cut out and replace	Cut out and replace	Cut out and replace	
		High	Cut out and replace	Cut out and replace	Cut out and replace	
	1 per lane	Mostly tight	Low	Monitor	Observe and wait for normal seal	Observe and wait for normal seal coat cycle
			Medium	Monitor until cracks are wider, then mill, underseal, and overlay	Monitor until cracks are wider, then mill, underseal, and overlay	Monitor until cracks are wider, then mill, underseal, and overlay
			High	Monitor until cracks are wider, then mill, underseal, and overlay	Monitor until cracks are wider, then mill, underseal, and overlay	Monitor until cracks are wider, then mill, underseal, and overlay
Open, < 1/2"		Low	Crack seal	Crack seal	Crack seal	
		Medium	Crack seal	Crack seal	Check for widening. If yes, rebuild edges, otherwise reconstruct	
		High	Crack seal	Crack seal	Check for widening. If yes, rebuild edges, otherwise reconstruct	
>1/2" or deteriorated		Low	Blade patch	Reconstruct	Reconstruct	
		Medium	Mill, underseal, and overlay	Mill, underseal, and overlay	Mill, underseal, and overlay	
		High	Mill, underseal, and overlay	Mill, underseal, and overlay	Mill, underseal, and overlay	
>1 per lane		Mostly tight	Low	Monitor	Seal coat	Seal coat
			Medium	Monitor until cracks are wider, then mill, underseal, and overlay	Monitor until cracks are wider, then mill, underseal, and overlay	Monitor until cracks are wider, then mill, underseal, and overlay
			High	Monitor until cracks are wider, then mill, underseal, and overlay	Monitor until cracks are wider, then mill, underseal, and overlay	Monitor until cracks are wider, then mill, underseal, and overlay
	Open, < 1/2"	Low	Blade patch	Reconstruct	Reconstruct	
		Medium	Mill, underseal, and overlay	Mill, underseal, and overlay	Mill, underseal, and overlay	
		High	Mill, underseal, and overlay	Mill, underseal, and overlay	Mill, underseal, and overlay	
	>1/2" or deteriorated	Low	Blade patch	Reconstruct	Reconstruct	
		Medium	Mill, underseal, and overlay	Mill, underseal, and overlay	Mill, underseal, and overlay	
		High	Mill, underseal, and overlay	Mill, underseal, and overlay	Mill, underseal, and overlay	

Dallas (Cont)

Predominant Distress	# Lanes	Severity	Traffic Level or Importance	Fast or Slow	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years	
Rutting	1 Wheelpath	Low	F	Monitor	Monitor	Monitor	Monitor	
			S	Monitor	Monitor	Monitor		
		0.5" to 1" (Shallow)	Medium	F	Mill and replace rutted area	Mill and replace rutted area	Mill and replace rutted area	Mill and replace rutted area
			S	Mill and replace rutted area	Mill and replace rutted area	Mill and replace rutted area		
		High	F	Mill and replace rutted area	Mill and replace rutted area	Mill and replace rutted area	Mill and replace rutted area	
			S	Mill and replace rutted area	Mill and replace rutted area	Mill and replace rutted area		
	> 1" (Deep)	Low	F	Blade patch	Blade patch	Blade patch	Blade patch	
			S	Blade patch	Blade patch	Blade patch		
		Medium	F	Mill rut and replace	Mill rut and replace	Mill rut and replace	Mill rut and replace	
			S	Mill rut and replace	Mill rut and replace	Mill rut and replace		
		High	F	Mill rut and replace	Mill rut and replace	Mill rut and replace	Mill rut and replace	
			S	Mill rut and replace	Mill rut and replace	Mill rut and replace		
Both Wheelpaths	0.5" to 1" (Shallow)	Low	F	Monitor	Monitor until wider	Monitor until wider	Monitor until wider	
			S	Monitor	Monitor until wider	Monitor until wider		
		Medium	F	Mill and replace	Mill and replace	Mill and replace	Mill and replace	
			S	Mill and replace	Mill and replace	Mill and replace		
		High	F	Mill and replace	Mill and replace	Mill and replace	Mill and replace	
			S	Mill and replace	Mill and replace	Mill and replace		
	> 1" (Deep)	Low	F	Rut fill with drag box or laydown machine	Rut fill with drag box or laydown machine	Blade patch and overlay	Blade patch and overlay	
			S	Rut fill with drag box or laydown machine	Rut fill with drag box or laydown machine	Blade patch and overlay		
		Medium	F	Mill and replace	Mill and replace	Mill and replace	Mill and replace	
			S	Mill and replace	Mill and replace	Mill and replace		
		High	F	Mill and replace	Mill and replace	Mill and replace	Mill and replace	
			S	Mill and replace	Mill and replace	Mill and replace		

Dallas (Cont)

Predominant Distress	# Lanes	Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Alligator Cracking	1 Wheelpath	Minor	Low	Blade and replace	Seal coat and overlay	Seal coat and overlay
			Medium	Mill and replace	Mill and replace	Mill and replace
			High	Mill and replace	Mill and replace	Mill and replace
	Major		Low	Blade and replace	Blade and replace	Blade and replace
			Medium	Mill and replace	Mill and replace	Mill and replace
			High	Mill and replace	Mill and replace	Mill and replace
Both Wheelpaths	Minor		Low	Blade and replace	Seal coat and overlay	Seal coat and overlay
			Medium	Mill and replace	Mill and replace	Mill and replace
			High	Mill and replace	Mill and replace	Mill and replace
	Major		Low	Blade and replace	Blade and replace	Blade and replace
			Medium	Mill and replace	Mill and replace	Mill and replace
			High	Mill and replace	Mill and replace	Mill and replace

Predominant Distress	Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years	
Swell/Roughness	Some Roughness		Low	Monitor	Monitor	Monitor
			Medium	Monitor	Monitor	Monitor
			High	Monitor	Monitor	Monitor
	Rough		Low	Patch and level up	Patch and level up	Patch and level up
			Medium	Patch and level up	Patch and level up	Patch and level up
			High	Patch and level up	Patch and level up	Patch and level up

Predominant Distress	Few or Many	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years	
Failures	Few		Low	Cut out areas and replace	Cut out areas and replace	Cut out areas and replace
			Medium	Cut out areas and replace	Cut out areas and replace	Cut out areas and replace or reconstruct
			High	Cut out areas and replace	Cut out areas and replace	Cut out areas and replace
	Many		Low	Cut out areas and replace	Cut out areas and replace	Cut out areas and replace
			Medium	Cut out areas and replace	Reconstruct	Reconstruct
			High	Cut out areas and replace	Reconstruct	Reconstruct

El Paso

Predominant Crack		Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term 3+ Years	
Distress	Spacing Severity					
Transverse Cracking	>40'	Low	Monitor	Crack seal	Crack seal	
		Medium	Monitor	Crack seal	Crack seal	
		High	Crack seal	Seal coat	Seal coat	
	Mostly tight	Low	Monitor	Crack seal	Crack seal	
		Medium	Crack seal	Seal coat	Seal coat	
		High	Crack seal	Seal coat	Seal coat	
	Open, < 1/2"	Low	Crack seal	Crack seal	Crack seal	
		Medium	Crack seal	Crack seal	Crack seal	
		High	Strip seal	Strip seal	Strip seal	
	>1/2" or deteriorated	Low	Crack seal	Crack seal	Crack seal	
		Medium	Crack seal	Crack seal	Crack seal	
		High	Strip seal	Strip seal	Strip seal	
	Cupped or Tented	Low	Crack seal	Crack seal	Crack seal	
		Medium	Strip seal	Strip seal	Strip seal	
		High	Strip seal	Strip seal	Strip seal	
	15' - 40'	Mostly tight	Low	Monitor	Crack seal	Crack seal
			Medium	Monitor	Crack seal	Crack seal
			High	Crack seal	Crack seal	Crack seal
Open, < 1/2"		Low	Monitor	Crack seal	Crack seal	
		Medium	Crack seal	Crack seal	Crack seal	
		High	Crack seal	Crack seal	Crack seal	
>1/2" or deteriorated		Low	Crack seal	Crack seal	Crack seal	
		Medium	Crack seal	Crack seal	Crack seal	
		High	Crack seal	Crack seal	Crack seal	
Cupped or Tented		Low	Crack seal	Crack seal	Crack seal	
		Medium	Strip seal	Strip seal	Strip seal	
		High	Strip seal	Strip seal	Strip seal	
<15'	Mostly tight	Low	Monitor	Crack seal	Crack seal	
		Medium	Monitor	Crack seal	Crack seal	
		High	Crack seal	Crack seal	Crack seal	
	Open, < 1/2"	Low	Monitor	Crack seal	Crack seal	
		Medium	Crack seal	Crack seal	Crack seal	
		High	Crack seal	Crack seal	Crack seal	
	>1/2" or deteriorated	Low	Crack seal	Crack seal	Crack seal	
		Medium	Crack seal	Crack seal	Crack seal	
		High	Crack seal	Crack seal	Crack seal	
	Cupped or Tented	Low	Crack seal	Crack seal	Crack seal	
		Medium	Crack seal	Crack seal	Crack seal	
		High	Crack seal	Crack seal	Crack seal	

El Paso (Cont)

Predominant Crack Spacing Distress (Across)	Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years	
Longitudinal >Lane Width Cracking	Mostly tight	Low	Monitor	Crack seal	Crack seal	
		Medium	Monitor	Crack seal	Crack seal	
		High	Crack seal	Crack seal	Crack seal	
	Open, < 1/2"	Low	Monitor	Crack seal	Crack seal	Crack seal
		Medium	Crack seal	Crack seal	Crack seal	Crack seal
		High	Crack seal	Crack seal	Crack seal	Crack seal
	>1/2" or deteriorated	Low	Crack seal	Crack seal	Crack seal	Crack seal
		Medium	Crack seal	Crack seal	Crack seal	Crack seal
		High	Crack seal	Crack seal	Crack seal	Crack seal
	1 per lane	Mostly tight	Low	Monitor	Crack seal	Crack seal
			Medium	Crack seal	Crack seal	Crack seal
			High	Crack seal	Crack seal	Crack seal
Open, < 1/2"		Low	Monitor	Crack seal	Crack seal	Crack seal
		Medium	Crack seal	Crack seal	Crack seal	Crack seal
		High	Crack seal	Crack seal	Crack seal	Crack seal
>1/2" or deteriorated		Low	Crack seal	Crack seal	Crack seal	Crack seal
		Medium	Crack seal	Crack seal	Crack seal	Crack seal
		High	Crack seal	Crack seal	Crack seal	Crack seal
>1 per lane		Mostly tight	Low	Monitor	Crack seal	Crack seal
			Medium	Crack seal	Crack seal	Crack seal
			High	Crack seal	Crack seal	Crack seal
	Open, < 1/2"	Low	Monitor	Crack seal	Crack seal	Crack seal
		Medium	Crack seal	Crack seal	Crack seal	Crack seal
		High	Crack seal	Crack seal	Crack seal	Crack seal
	>1/2" or deteriorated	Low	Crack seal	Crack seal	Crack seal	Crack seal
		Medium	Crack seal	Crack seal	Crack seal	Crack seal
		High	Crack seal	Crack seal	Crack seal	Crack seal

El Paso (Cont)

Predominant Distress	# Lanes	Severity	Traffic Level or Importance	Fast or Slow	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Rutting	1 Wheelpath	0.5" to 1" (Shallow)	Low	F	Strip seal	Strip seal	Strip seal
				S	Strip seal	Strip seal	Strip seal
			Medium	F	Microsurface	Microsurface	Microsurface
		S		Microsurface	Microsurface	Microsurface	
		High	F	Microsurface	Microsurface	Microsurface	
			S	Microsurface	Microsurface	Microsurface	
		> 1" (Deep)	Low	F	Fill ruts	Microsurface	Mill and overlay
				S	Fill ruts	Microsurface	Mill and overlay
			Medium	F	Microsurface	Microsurface	Mill and overlay
	S	Microsurface		Microsurface	Mill and overlay		
	High	F	Microsurface	Microsurface	Mill and overlay		
		S	Microsurface	Microsurface	Mill and overlay		
	Both Wheelpaths	0.5" to 1" (Shallow)	Low	F	Strip seal	Strip seal	Strip seal
				S	Strip seal	Strip seal	Strip seal
			Medium	F	Microsurface	Microsurface	Mill and overlay
		S		Microsurface	Microsurface	Mill and overlay	
		High	F	Microsurface	Microsurface	Mill and overlay	
			S	Microsurface	Microsurface	Mill and overlay	
> 1" (Deep)		Low	F	Microsurface	Microsurface	Mill and seal coat	
			S	Microsurface	Microsurface	Mill and seal coat	
		Medium	F	Microsurface	Microsurface	Mill and overlay	
S	Microsurface		Microsurface	Mill and overlay			
High	F	Microsurface	Microsurface	Mill and overlay			
	S	Microsurface	Microsurface	Mill and overlay			

El Paso (Cont)

Predominant Distress	# Lanes	Severity or Importance	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Alligator Cracking	1 Wheelpath	Minor	Low	Strip seal	Strip seal	Seal coat
			Medium	Strip seal	Seal coat	Rubberized seal coat
			High	Strip seal	Seal coat	Rubberized seal coat
		Major	Low	Strip seal	Seal coat	Rubberized seal coat
			Medium	Strip seal	Seal coat	Rubberized seal coat
			High	Strip seal	Seal coat	Rubberized seal coat
	Both Wheelpaths	Minor	Low	Strip seal	Seal coat	Seal coat
			Medium	Strip seal	Seal coat	Rubberized seal coat
			High	Strip seal	Seal coat	Rubberized seal coat
		Major	Low	Strip seal	Seal coat	Rubberized seal coat
			Medium	Strip seal	Seal coat	Rubberized seal coat
			High	Strip seal	Seal coat	Rubberized seal coat

Predominant Distress	Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Swell/Roughness	Some Roughness	Low	Mill	Monitor	Mill and overlay
		Medium	Mill	Mill and seal coat	Mill and overlay
		High	Mill	Mill and seal coat	Mill and overlay
	Rough	Low	Mill	Mill and seal coat	Mill and overlay
		Medium	Mill	Mill and seal coat	Mill and overlay
		High	Mill	Mill and seal coat	Mill and overlay

Predominant Distress	Few or Many	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Failures	Few	Low	Patch	Seal coat	Patch and overlay
		Medium	Patch	Seal coat	Patch and overlay
		High	Patch	Seal coat	Patch and overlay
	Many	Low	Patch	Seal coat	Overlay
		Medium	Patch	Seal coat	Reconstruct
		High	Patch	Seal coat	Reconstruct

Fort Worth

Predominant Crack Distress	Crack Spacing	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years	
Transverse Cracking	>40'	Mostly tight	Low Monitor or crack seal	Monitor or crack seal	Crack seal wide cracks or Monitor	
			Medium Monitor or crack seal	Monitor or crack seal	Crack seal wide cracks or Monitor	
			High Monitor or crack seal	Monitor or crack seal	Crack seal wide cracks or Monitor	
		Open, < 1/2"	Low Monitor or crack seal	Monitor or crack seal	Monitor or crack seal	
			Medium Monitor or crack seal	Monitor or crack seal	Monitor or crack seal	
			High Monitor or crack seal	Monitor or crack seal	Monitor or crack seal	
		>1/2" or deteriorated	Low Crack fill (type F)	Crack fill (type F)	Crack fill (type F)	
			Medium Crack fill (type F)	Crack fill (type F)	Crack fill (type F)	
			High Crack fill (type F)	Crack fill (type F)	Crack fill (type F) and overlay	
		Cupped or Tented	Low Crack fill (type F) and level up. Call District office	Crack fill (type F) and level up. Call District office	Crack fill (type F), level up, and seal coat. Call District office	
			Medium Crack fill (type F) and level up. Call District office	Crack fill (type F) and level up. Call District office	Crack fill (type F), level up, and overlay. Call District office	
			High Crack fill (type F) and level up. Call District office	Crack fill (type F) and level up. Call District office	Crack fill (type F), level up, and overlay. Call District office	
		15' - 40'	Low Crack fill (type F) and level up. Call District office	Crack fill (type F) and level up. Call District office	Crack fill (type F), level up, and seal coat. Call District office	
			Mostly tight	Medium Crack fill (type F) and level up. Call District office	Crack fill (type F), level up, and overlay. Call District office	
				High Crack fill (type F) and level up. Call District office	Crack fill (type F), level up, and overlay. Call District office	
		Open, < 1/2"	Low Blade patch	Crack seal	Plan seal coat	
				Medium Blade patch	Crack seal	Seal coat or microsurface
				High Blade patch	Crack seal	Microsurface
	>1/2" or deteriorated	Low Crack seal	Crack seal	Crack seal and plan seal coat		
			Medium Crack seal	Crack seal	Crack seal and plan seal coat or microsurface	
			High Crack seal	Crack seal	Crack seal and overlay or microsurface	
	Cupped or Tented	Low Crack fill (type F).	Crack fill (type F). Call District office	Crack fill (type F) and plan seal coat		
			Medium Crack fill (type F) and level up. Call District office	Crack fill (type F), level up, and overlay		
			High Crack fill (type F) and level up. Call District office	Crack fill (type F) and level up. Call District office	Crack fill (type F), level up, and overlay	
	<15'	Low Crack fill (type F) and level up. Call District office	Crack fill (type F) and level up. Call District office	Crack fill (type F), level up, and seal coat. Call District office		
		Mostly tight	Medium Crack fill (type F) and level up. Call District office	Crack fill (type F), level up, and overlay. Call District office		
			High Crack fill (type F) and level up. Call District office	Crack fill (type F) and level up. Call District office	Crack fill (type F), level up, and overlay. Call District office	
	Open, < 1/2"	Low Crack seal	Crack seal	Crack seal and plan seal coat		
			Medium Crack seal	Crack seal	Crack seal and plan seal coat or microsurface	
			High Crack seal	Crack seal	Crack seal and overlay or microsurface	

Fort Worth (Cont)

>1/2' or deteriorated	Low	Crack fill (type F).	Crack fill (type F). Call District office	Crack fill (type F) and plan seal coat
	Medium	Crack fill (type F) and level up.	Crack fill (type F) and level up. Call District office	Crack fill (type F), level up, and overlay
	High	Crack fill (type F) and level up.	Crack fill (type F) and level up. Call District office	Crack fill (type F), level up, and overlay
Cupped or Tented	Low	Crack fill (type F) and level up. Call District office	Crack fill (type F) and level up. Call District office	Crack fill (type F), level up, and seal coat. Call District office
	Medium	Crack fill (type F) and level up. Call District office	Crack fill (type F) and level up. Call District office	Crack fill (type F), level up, and overlay. Call District office
	High	Crack fill (type F) and level up. Call District office	Crack fill (type F) and level up. Call District office	Crack fill (type F), level up, and overlay. Call District office

Predominant Distress	Crack Spacing (Across)	Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Longitudinal Cracking	>Lane Width	Mostly tight	Low	Monitor	Monitor	Monitor
			Medium	Monitor	Crack seal or Monitor	Crack seal or Monitor
			High	Monitor	Crack seal or Monitor	Crack seal or Monitor
		Open, < 1/2"	Low	Crack seal	Crack seal	Crack seal
			Medium	Crack seal	Crack seal	Crack seal
			High	Crack seal	Crack seal	Crack seal
	>1/2' or deteriorated	1 per lane	Low	Crack fill (type F).	Crack fill (type F).	Crack fill (type F).
			Medium	Crack fill (type F).	Crack fill (type F).	Crack fill (type F).
			High	Crack fill (type F).	Crack fill (type F).	Crack fill (type F).
		Mostly tight	Low	Crack seal or Monitor	Crack seal or Monitor	Strip seal
			Medium	Crack seal	Crack seal	Strip seal
			High	Crack seal	Crack seal	Crack seal
Open, < 1/2"	Low	Crack seal	Crack seal	Crack seal and strip seal		
	Medium	Crack seal	Crack seal	Crack seal and strip seal		
	High	Crack seal	Crack seal	Blade overlay or patch		
>1/2' or deteriorated	>1 per lane	Low	Crack fill (type F).	Crack fill (type F).	Call District office	
		Medium	Crack fill (type F).	Crack fill (type F).	Call District office	
		High	Crack fill (type F).	Crack fill (type F).	Call District office	
	Mostly tight	Low	Crack seal	Crack seal	Call District office	
		Medium	Crack seal	Crack seal	Call District office	
		High	Crack seal	Crack seal	Call District office	
Open, < 1/2"	Low	Crack fill (type F).	Crack fill (type F).	Call District office		
	Medium	Crack fill (type F).	Crack fill (type F).	Call District office		
	High	Crack fill (type F).	Crack fill (type F).	Call District office		
>1/2' or deteriorated	>1 per lane	Low	Crack fill (type F).	Crack fill (type F).	Call District office	
		Medium	Crack fill (type F).	Crack fill (type F).	Call District office	
		High	Crack fill (type F).	Crack fill (type F).	Call District office	

Fort Worth (Cont)

Predominant Distress	# Lanes	Severity	Traffic Level or Importance	Fast or Slow	Action if Only	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Rutting	1 Wheelpath	Low	F	F	Blade patch	Blade patch	Blade patch and plan seal coat. Call District office
				S	Blade patch	Blade patch	Blade patch and plan seal coat. Call District office
		Medium	F	F	Blade patch	Blade patch	Investigate source of rutting. Mill and overlay or fill ruts with microsurfacing and microsurface. Call District office
				S	Blade patch	Blade patch	Investigate source of rutting. Mill and overlay or fill ruts with microsurfacing and microsurface. Call District office
		High	F	F	Blade patch	Blade patch	Investigate source of rutting. Mill and overlay or fill ruts with microsurfacing and microsurface. Call District office
				S	Blade patch	Blade patch	Investigate source of rutting. Mill and overlay or fill ruts with microsurfacing and microsurface. Call District office
	> 1" (Deep)	Low	F	F	Blade patch	Blade patch, investigate source of rutting, and call District office	Blade patch and call District office
				S	Blade patch	Blade patch, investigate source of rutting, and call District office	Blade patch and call District office
		Medium	F	F	Blade patch	Blade patch, investigate source of rutting, and call District office	Investigate source of rutting. Mill and overlay or fill ruts with microsurfacing and microsurface. Call District office
				S	Blade patch	Blade patch, investigate source of rutting, and call District office	Investigate source of rutting. Mill and overlay or fill ruts with microsurfacing and microsurface. Call District office
		High	F	F	Blade patch	Blade patch, investigate source of rutting, and call District office	Investigate source of rutting. Mill and overlay or fill ruts with microsurfacing and microsurface. Call District office
				S	Blade patch	Blade patch, investigate source of rutting, and call District office	Investigate source of rutting. Mill and overlay or fill ruts with microsurfacing and microsurface. Call District office
Both Wheelpaths	0.5" to 1" (Shallow)	Low	F	F	Blade patch	Blade patch	Blade patch and plan seal coat. Call District office
				S	Blade patch	Blade patch	Blade patch and plan seal coat. Call District office
		Medium	F	F	Blade patch	Blade patch	Investigate source of rutting. Mill and overlay or fill ruts with microsurfacing and microsurface. Call District office
				S	Blade patch	Blade patch	Investigate source of rutting. Mill and overlay or fill ruts with microsurfacing and microsurface. Call District office
		High	F	F	Blade patch	Blade patch	Investigate source of rutting. Mill and overlay or fill ruts with microsurfacing and microsurface. Call District office
				S	Blade patch	Blade patch	Investigate source of rutting. Mill and overlay or fill ruts with microsurfacing and microsurface. Call District office
	> 1" (Deep)	Low	F	F	Blade patch	Blade patch, investigate source of rutting, and call District office	Blade patch and call District office
				S	Blade patch	Blade patch, investigate source of rutting, and call District office	Blade patch and call District office
		Medium	F	F	Blade patch	Blade patch, investigate source of rutting, and call District office	Investigate source of rutting. Mill and overlay or fill ruts with microsurfacing and microsurface. Call District office
				S	Blade patch	Blade patch, investigate source of rutting, and call District office	Investigate source of rutting. Mill and overlay or fill ruts with microsurfacing and microsurface. Call District office
		High	F	F	Blade patch	Blade patch, investigate source of rutting, and call District office	Investigate source of rutting. Mill and overlay or fill ruts with microsurfacing and microsurface. Call District office
				S	Blade patch	Blade patch, investigate source of rutting, and call District office	Investigate source of rutting. Mill and overlay or fill ruts with microsurfacing and microsurface. Call District office

Fort Worth (Cont)

Predominant Distress	# Lanes	Traffic Level Severity or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Alligator Cracking	1 Wheelpath	Low	Crack seal	Crack seal	Seal coat
		Medium	Crack seal	Crack seal	Overlay
		High	Crack seal	Crack seal	Overlay
	Major	Low	Crack seal	Crack seal	Mill and overlay
		Medium	Crack seal	Crack seal	Mill and overlay
		High	Crack seal	Crack seal and call District office	Mill and overlay. Call District office
Both Wheelpaths	Minor	Low	Crack seal	Crack seal	Seal coat
		Medium	Crack seal	Crack seal	Overlay
		High	Crack seal	Crack seal	Overlay
	Major	Low	Crack seal	Crack seal	Mill and overlay
		Medium	Crack seal	Crack seal	Mill and overlay
		High	Crack seal	Crack seal and call District office	Mill and overlay. Call District office

Predominant Distress	Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years	
Swell/Roughness	Some Roughness	Low	Spot level up	Monitor	Overlay	
		Medium	Spot level up	Monitor or overlay	Overlay	
		High	Spot level up	Overlay	Overlay	
	Rough	Low	Spot level up	Monitor	Monitor	Overlay
		Medium	Spot level up	Monitor or overlay	Overlay	Overlay
		High	Spot level up	Overlay	Overlay	Overlay
Predominant Distress	Few or Many	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years	
Failures	Few	Low	Cut and replace	Cut and replace	Cut and replace	
		Medium	Cut and replace	Cut and replace	Cut and replace	
		High	Cut and replace	Cut and replace	Cut and replace	
	Many	Low	Cut and replace. Call District office	Reconstruct. Call District office	Reconstruct. Call District office	
		Medium	Cut and replace. Call District office	Reconstruct. Call District office	Reconstruct. Call District office	
		High	Cut and replace. Call District office	Reconstruct. Call District office	Reconstruct. Call District office	
Andrew Wimsatt						

Houston

Predominant Crack Distress		Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Transverse Cracking	>40'	Mostly tight	Low	Monitor	Monitor	Monitor
			Medium	Monitor	Monitor	Monitor
			High	Monitor	Monitor	Monitor
	Open, < 1/2"	Low	Monitor	Crack seal	Crack seal and overlay	
		Medium	Monitor	Crack seal	Crack seal and overlay	
		High	Monitor	Crack seal	Crack seal and overlay	
	>1/2" or deteriorated	Low	Patch	Patch	Patch or crack seal, and overlay	
		Medium	Patch	Patch	Patch or crack seal, and overlay	
		High	Patch	Patch	Patch or crack seal, and overlay	
	Cupped or Tented	Low	Patch	Patch or monitor	Patch and overlay	
		Medium	Patch	Patch or monitor	Patch and overlay	
		High	Patch	Patch or monitor	Patch and overlay	
15' - 40'	Mostly tight	Low	Monitor	Monitor	Monitor	
		Medium	Monitor	Monitor	Monitor	
		High	Monitor	Monitor	Monitor	
	Open, < 1/2"	Low	Monitor	Crack seal	Crack seal and overlay	
		Medium	Monitor	Crack seal	Crack seal and overlay	
		High	Monitor	Crack seal	Crack seal and overlay	
	>1/2" or deteriorated	Low	Monitor	Patch	Patch and overlay	
		Medium	Monitor	Patch	Patch and overlay	
		High	Monitor	Patch	Patch and overlay	
	Cupped or Tented	Low	Patch	Patch	Patch and overlay, or reconstruct if in bad shape	
		Medium	Patch	Patch	Patch and overlay, or reconstruct if in bad shape	
		High	Patch	Patch	Patch and overlay, or reconstruct if in bad shape	
<15'	Mostly tight	Low	Monitor	Monitor	Monitor	
		Medium	Monitor	Monitor	Monitor	
		High	Monitor	Monitor	Monitor	
	Open, < 1/2"	Low	Crack seal	Crack seal	Crack seal and overlay	
		Medium	Crack seal	Crack seal	Crack seal and overlay	
		High	Crack seal	Crack seal	Crack seal and overlay	
	>1/2" or deteriorated	Low	Patch	Patch	Patch and overlay, or reconstruct if in bad shape	
		Medium	Patch	Patch	Patch and overlay, or reconstruct if in bad shape	
		High	Patch	Patch	Patch and overlay, or reconstruct if in bad shape	
	Cupped or Tented	Low	Patch	Patch	Patch and overlay, or reconstruct if in bad shape	
		Medium	Patch	Patch	Patch and overlay, or reconstruct if in bad shape	
		High	Patch	Patch	Patch and overlay, or reconstruct if in bad shape	

Houston (Cont)

Predominant Crack Spacing Distress (Across)	Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years	
Longitudinal >Lane Width Cracking	Mostly tight	Low	Monitor	Monitor	Monitor	
		Medium	Monitor	Monitor	Monitor	
		High	Monitor	Monitor	Monitor	
	Open, < 1/2"	Low	Monitor	Crack seal	Crack seal	Crack seal and overlay
		Medium	Monitor	Crack seal	Crack seal	Crack seal and overlay
		High	Monitor	Crack seal	Crack seal	Crack seal and overlay
	>1/2" or deteriorated	Low	Crack seal	Crack seal	Crack seal	Patch and overlay
		Medium	Crack seal	Crack seal	Crack seal	Patch and overlay
		High	Crack seal	Crack seal	Crack seal	Patch and overlay
	1 per lane	Mostly tight	Low	Monitor	Monitor	Monitor
			Medium	Monitor	Monitor	Monitor
			High	Monitor	Monitor	Monitor
Open, < 1/2"		Low	Monitor	Crack seal	Crack seal	Crack seal and overlay
		Medium	Monitor	Crack seal	Crack seal	Crack seal and overlay
		High	Monitor	Crack seal	Crack seal	Crack seal and overlay
>1/2" or deteriorated		Low	Crack seal	Crack seal	Crack seal	Patch and overlay
		Medium	Crack seal	Crack seal	Crack seal	Patch and overlay
		High	Crack seal	Crack seal	Crack seal	Patch and overlay
>1 per lane		Mostly tight	Low	Monitor	Monitor	Monitor
			Medium	Monitor	Monitor	Monitor
			High	Monitor	Monitor	Monitor
	Open, < 1/2"	Low	Crack seal	Crack seal	Crack seal	Crack seal and overlay
		Medium	Crack seal	Crack seal	Crack seal	Crack seal and overlay
		High	Crack seal	Crack seal	Crack seal	Crack seal and overlay
	>1/2" or deteriorated	Low	Patch	Patch	Patch	Patch and overlay
		Medium	Patch	Patch	Patch	Reconstruct
		High	Patch	Patch	Patch	Reconstruct

Houston (Cont)

Predominant Distress	# Lanes	Severity	Traffic Level or Importance	Fast or Slow	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years	
Rutting	1 Wheelpath	Low	Low	F	Monitor	Monitor	Overlay	
			S	Monitor	Monitor	Overlay		
		0.5" to 1" (Shallow)	Medium	F	Monitor	Fill ruts	Overlay	
			S	Monitor	Fill ruts	Overlay		
		High	F	Monitor	Fill ruts	Overlay		
			S	Monitor	Fill ruts	Overlay		
	> 1" (Deep)	Low	F	Patch	Fill ruts	Overlay		
		S	Patch	Fill ruts	Overlay			
		Medium	F	Patch	Fill ruts	Overlay		
		S	Patch	Fill ruts	Overlay			
		High	F	Patch	Fill ruts	Overlay		
		S	Patch	Fill ruts	Overlay			
	Both Wheelpaths	0.5" to 1" (Shallow)	Low	Low	F	Monitor	Monitor	Overlay
				S	Monitor	Monitor	Overlay	
Medium			F	Monitor	Fill ruts	Overlay		
			S	Monitor	Fill ruts	Overlay		
High			F	Monitor	Fill ruts	Overlay		
			S	Monitor	Fill ruts	Overlay		
> 1" (Deep)		Low	F	Patch	Fill ruts	Overlay		
		S	Patch	Fill ruts	Overlay			
		Medium	F	Patch	Fill ruts	Overlay		
		S	Patch	Fill ruts	Overlay			
		High	F	Patch	Fill ruts	Overlay		
		S	Patch	Fill ruts	Overlay			

Houston (Cont)

Predominant Distress	# Lanes	Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Alligator Cracking	1 Wheelpath	Minor	Low	Thin patch	Thin patch	Patch or mill and overlay if continuous
			Medium	Thin patch	Thin patch	Patch or mill and overlay if continuous
			High	Thin patch	Thin patch	Patch or mill and overlay if continuous
	Both Wheelpaths	Major	Low	Full depth patch	Full depth patch	Full depth patch or overlay. Reconstruct if continuous.
			Medium	Full depth patch	Full depth patch	Full depth patch or overlay. Reconstruct if continuous.
			High	Full depth patch	Full depth patch	Full depth patch or overlay. Reconstruct if continuous.
Alligator Cracking	1 Wheelpath	Minor	Low	Thin patch	Thin patch	Patch or mill and overlay if continuous
			Medium	Thin patch	Thin patch	Patch or mill and overlay if continuous
			High	Thin patch	Thin patch	Patch or mill and overlay if continuous
	Both Wheelpaths	Major	Low	Full depth patch	Full depth patch	Full depth patch or overlay. Reconstruct if continuous.
			Medium	Full depth patch	Full depth patch	Full depth patch or overlay. Reconstruct if continuous.
			High	Full depth patch	Full depth patch	Full depth patch or overlay. Reconstruct if continuous.

Predominant Distress	Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years	
Swell/Roughness	Some Roughness	Low	Monitor	Monitor	Overlay	
		Medium	Monitor	Monitor	Overlay	
		High	Monitor	Monitor	Overlay	
	Rough	Low	Level up	Level up	Level up	Thick overlay or Bomag
		Medium	Level up	Level up	Level up	Thick overlay or Bomag
		High	Level up	Level up	Level up	Thick overlay or Bomag

Predominant Distress	Few or Many	Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Failures	Few	Low	Patch	Patch	Patch	Patch and overlay. If less than 2 years old, patch only
		Medium	Patch	Patch	Patch	Patch and overlay. If less than 2 years old, patch only
		High	Patch	Patch	Patch	Patch and overlay. If less than 2 years old, patch only
	Many	Low	Patch	Patch	Patch	Patch and overlay. If less than 2 years old, patch only
		Medium	Patch	Patch	Patch	Patch and overlay. If less than 2 years old, patch only
		High	Patch	Patch	Patch	Patch and overlay. If less than 2 years old, patch only

Laredo

Predominant Crack Distress		Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years		
Transverse Cracking	>40'	Low	Crack seal	Seal coat	Seal coat		
		Medium	Crack seal	Seal coat	Seal coat		
		High	Crack seal	Seal coat	Seal coat		
		Mostly tight	Low	Crack seal	Seal coat	Seal coat	
			Medium	Crack seal	Seal coat	Seal coat	
			High	Crack seal	Seal coat	Seal coat	
		Open, < 1/2"	Low	Crack seal	Seal coat	Seal coat	
			Medium	Crack seal	Seal coat	Seal coat	
			High	Crack seal	Seal coat	Overlay	
	>1/2" or deteriorated	Low	Patch	Seal coat	Seal coat		
		Medium	Patch	Seal coat	Seal coat		
		High	Patch	Overlay	Overlay		
	Cupped or Tented	Low	Mill and crack seal	Seal coat	Seal coat		
		Medium	Mill and crack seal	Seal coat	Seal coat		
		High	Mill and crack seal	Overlay	Overlay		
	15' - 40'	Mostly tight	Low	Crack seal	Seal coat	Seal coat	
			Medium	Crack seal	Seal coat	Seal coat	
			High	Crack seal	Overlay	Overlay	
			Open, < 1/2"	Low	Crack seal	Seal coat	Seal coat
				Medium	Crack seal	Seal coat	Seal coat
				High	Crack seal	Overlay	Overlay
			>1/2" or deteriorated	Low	Patch	Seal coat	Seal coat
				Medium	Patch	Seal coat	Seal coat
				High	Patch	Overlay	Overlay
Cupped or Tented		Low	Mill and crack seal	Seal coat	Seal coat		
		Medium	Mill and crack seal	Seal coat	Overlay		
		High	Mill and crack seal	Overlay	Overlay		
<15'		Mostly tight	Low	Crack seal	Seal coat	Seal coat	
			Medium	Crack seal	Seal coat	Overlay	
			High	Crack seal	Seal coat	Overlay	
			Open, < 1/2"	Low	Crack seal	Seal coat	Overlay
				Medium	Crack seal	Seal coat	Rehabilitate
				High	Crack seal	Overlay	Rehabilitate
	>1/2" or deteriorated	Low	Patch	Seal coat	Rehabilitate		
		Medium	Patch	Seal coat	Reconstruct		
		High	Patch	Overlay	Reconstruct		
	Cupped or Tented	Low	Mill and crack seal	Seal coat	Seal coat		
		Medium	Mill and crack seal	Overlay	Overlay		
		High	Mill and crack seal	Overlay	Overlay		

Laredo (Cont)

Predominant Crack Spacing	Traffic Level	Action if Only	Short-term Repair	Long-term Treatment		
Distress (Across) Severity	or Importance	Localized	1-2 Years	3+ Years		
Longitudinal >Lane Width Cracking	Mostly tight	Low	Crack seal	Seal coat	Seal coat	
		Medium	Crack seal	Seal coat	Seal coat	
		High	Crack seal	Seal coat	Seal coat	
	Open, < 1/2"	Low	Crack seal	Seal coat	Seal coat	
		Medium	Crack seal	Seal coat	Seal coat	
		High	Crack seal	Seal coat	Overlay	
	>1/2" or deteriorated	Low	Patch	Seal coat	Seal coat	
		Medium	Patch	Seal coat	Seal coat	
		High	Patch	Overlay	Overlay	
	1 per lane	Mostly tight	Low	Crack seal	Seal coat	Seal coat
			Medium	Crack seal	Seal coat	Seal coat
			High	Crack seal	Seal coat	Overlay
Open, < 1/2"		Low	Crack seal	Seal coat	Seal coat	
		Medium	Crack seal	Seal coat	Seal coat	
		High	Crack seal	Overlay	Overlay	
>1/2" or deteriorated		Low	Patch	Seal coat	Seal coat	
		Medium	Patch	Seal coat	Overlay	
		High	Patch	Overlay	Overlay	
>1 per lane		Mostly tight	Low	Crack seal	Seal coat	Seal coat
			Medium	Crack seal	Overlay	Overlay
			High	Crack seal	Overlay	Rehabilitate
	Open, < 1/2"	Low	Crack seal	Seal coat	Overlay	
		Medium	Crack seal	Overlay	Rehabilitate	
		High	Crack seal	Overlay	Rehabilitate	
	>1/2" or deteriorated	Low	Patch	Seal coat	Overlay	
		Medium	Patch	Seal coat	Rehabilitate	
		High	Patch	Overlay	Reconstruct	

Laredo (Cont)

Predominant Distress			Traffic Level or Importance	Fast or Slow	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Rutting	1 Wheelpath	Low	F	Monitor	Monitor	Monitor	
			S	Monitor	Monitor	Monitor	
		0.5" to 1" (Shallow)	Medium	F	Monitor	Monitor	Monitor
			S	Monitor	Monitor	Monitor	
		High	F	Monitor	Monitor	Microsurface	
			S	Monitor	Monitor	Monitor	
	> 1" (Deep)	Low	F	Monitor	Monitor	Microsurface	
			S	Monitor	Monitor	Microsurface	
		Medium	F	Monitor	Microsurface	Overlay	
			S	Monitor	Monitor	Microsurface	
		High	F	Monitor	Microsurface	Overlay	
			S	Monitor	Microsurface	Overlay	
	Both Wheelpaths	0.5" to 1" (Shallow)	Low	F	Monitor	Monitor	Monitor
				S	Monitor	Monitor	Monitor
			Medium	F	Monitor	Monitor	Monitor
				S	Monitor	Monitor	Monitor
High			F	Monitor	Monitor	Microsurface	
			S	Monitor	Monitor	Monitor	
> 1" (Deep)		Low	F	Monitor	Monitor	Microsurface	
			S	Monitor	Monitor	Microsurface	
		Medium	F	Monitor	Microsurface	Overlay	
			S	Monitor	Monitor	Microsurface	
		High	F	Monitor	Microsurface	Overlay	
			S	Monitor	Microsurface	Overlay	

Laredo (Cont)

Predominant Distress	# Lanes	Traffic Level Severity or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years	
Alligator Cracking	1 Wheelpath	Low	Crack seal	Seal coat	Seal coat	
		Minor	Medium	Crack seal	Seal coat	
		High	Crack seal	Seal coat	Seal coat	
		Low	Patch	Seal coat	Seal coat	
		Major	Medium	Patch	Seal coat	Overlay
		High	Patch	Seal coat	Overlay	
	Both Wheelpaths	Low	Crack seal	Seal coat	Seal coat	
		Minor	Medium	Crack seal	Seal coat	
		High	Crack seal	Seal coat	Seal coat	
		Low	Patch	Seal coat	Seal coat	
		Major	Medium	Patch	Seal coat	Overlay
		High	Patch	Seal coat	Overlay	

Predominant Distress	Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years	
Swell/ Roughness	Some Roughness	Low	Monitor	Monitor	Monitor	
		Medium	Monitor	Monitor	Overlay	
		High	Monitor	Overlay	Rehabilitate	
	Rough	Low	Monitor	Monitor	Overlay	Rehabilitate
		Medium	Monitor	Monitor	Overlay	Reconstruct
		High	Monitor	Monitor	Overlay	Reconstruct

Predominant Distress	Few or Many	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years	
Failures	Few	Low	Patch	Seal coat	Seal coat	
		Medium	Patch	Seal coat	Seal coat	
		High	Patch	Seal coat	Overlay	
	Many	Low	Patch	Patch	Seal coat	Rehabilitate
		Medium	Patch	Patch	Rehabilitate	Rehabilitate
		High	Patch	Patch	Reconstruct	Reconstruct

Lubbock

Predominant Crack Distress	Spacing	Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Transverse Cracking	>40'	Mostly tight	Low	Monitor	Monitor	Monitor
			Medium	Monitor	Monitor	Monitor
			High	Monitor	Monitor	Monitor
		Open, < 1/2"	Low	Crack seal if working nearby	Plan crack seal	Crack seal and plan seal coat
			Medium	Crack seal	Crack seal	Crack seal
			High	Crack seal	Crack seal	Crack seal
	>1/2" or deteriorated	Low	Plan crack seal	Crack fill and crack seal or patch	Crack fill and crack seal or patch	
		Medium	Crack fill and crack seal or patch	Crack fill and crack seal or patch	Crack fill and crack seal or patch	
		High	Crack fill and crack seal or patch	Crack fill and crack seal or patch	Crack fill and crack seal or patch	
	Cupped or Tented	Low	Spot level	If cupped, strip seal. If tented, blade tops of cracks and patch	If cupped, strip seal. If tented, blade tops of cracks and patch	
		Medium	Spot level	If cupped, strip seal. If tented, blade tops of cracks and patch	If cupped, strip seal. If tented, blade tops of cracks and patch	
		High	Spot level	Mill cracks and level up	Mill cracks and level up	
15' - 40'	Mostly tight	Low	Monitor	Monitor	Plan seal coat	
		Medium	Monitor	Monitor or fog seal	Plan seal coat	
		High	Monitor	Monitor or fog seal	Plan seal coat	
	Open, < 1/2"	Low	Monitor and crack seal if working nearby	Monitor, crack seal if it deteriorates	Plan crack seal and seal coat	
		Medium	Monitor and crack seal if working nearby	Monitor, crack seal if it deteriorates	Plan crack seal and seal coat	
		High	Crack seal	Crack seal	Crack seal and seal coat	
>1/2" or deteriorated	Low	Tack and blade patch or crack seal	Crack fill and crack seal, patch bad areas.	Plan rehabilitation		
	Medium	Tack and blade patch or crack seal	Crack fill and crack seal, patch bad areas.	Plan rehabilitation		
	High	Tack and blade patch or crack seal	Crack fill and crack seal, patch bad areas.	Plan rehabilitation		
Cupped or Tented	Low	Blade patch	Plan rehabilitation	Plan rehabilitation		
	Medium	Blade patch or mill and maybe overlay	If cupped, mill. If tented, mill tops of cracks	Mill and overlay or plan rehabilitation		
	High	Mill and maybe overlay	If cupped, mill. If tented, mill tops of cracks	Mill and overlay or plan rehabilitation		
<15'	Mostly tight	Low	Monitor	Monitor	Plan seal coat	
		Medium	Monitor	Monitor or fog seal	Plan seal coat	
		High	Monitor	Monitor or fog seal	Plan seal coat	
	Open, < 1/2"	Low	Monitor and crack seal if working nearby	Monitor, crack seal if it deteriorates	Plan crack seal and seal coat	
		Medium	Monitor and crack seal if working nearby	Monitor, crack seal if it deteriorates	Plan crack seal and seal coat	
		High	Crack seal	Crack seal	Crack seal and seal coat	
>1/2" or deteriorated	Low	Tack and blade patch or crack seal	Crack fill and crack seal, patch bad areas.	Plan rehabilitation		
	Medium	Tack and blade patch	Crack fill and crack seal, patch bad areas.	Plan rehabilitation		
	High	Tack and blade patch	Crack fill and crack seal, patch bad areas.	Plan rehabilitation		
Cupped or Tented	Low	Blade patch	Plan rehabilitation	Plan rehabilitation		
	Medium	Blade patch or mill and maybe overlay	If cupped, mill. If tented, mill tops of cracks	Mill and overlay or plan rehabilitation		
	High	Mill and maybe overlay	If cupped, mill. If tented, mill tops of cracks	Mill and overlay or plan rehabilitation		

Lubbock (Cont)

Predominant Distress	Crack Spacing (Across)	Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years	
Longitudinal Cracking	>Lane Width	Mostly tight	Low	Monitor	Monitor	Monitor	
			Medium	Monitor	Monitor	Monitor	
			High	Monitor	Monitor	Monitor	
		Open, < 1/2"	Low	Monitor and crack seal if working nearby	Monitor and crack seal if working nearby	Plan crack seal	
			Medium	Monitor and crack seal if working nearby	Monitor and crack seal if working nearby	Plan crack seal	
			High	Monitor and crack seal if working nearby	Monitor and crack seal if working nearby	Plan crack seal	
	>1/2" or deteriorated	1 per lane	Low	Monitor and crack fill and crack seal if working nearby	Plan crack fill and crack seal	Crack fill and crack seal	
			Medium	Crack fill and crack seal, level up if needed	Crack fill and crack seal, level up if needed	Crack fill and crack seal, level up if needed	
			High	Crack fill and crack seal, level up if needed	Crack fill and crack seal, level up if needed	Crack fill and crack seal, level up if needed	
		Mostly tight	Low	Monitor	Monitor	Monitor or fog seal	Strip seal
			Medium	Monitor	Monitor	Monitor or fog seal	Strip seal
			High	Strip seal	Strip seal	Strip seal	Strip seal
Open, < 1/2"	Low	Monitor and crack seal if working nearby	Monitor and crack seal if working nearby	Plan crack seal	Crack seal		
	Medium	Monitor and crack seal if working nearby	Monitor and crack seal if working nearby	Plan crack seal	Crack seal		
	High	Crack seal	Crack seal	Crack seal	Crack seal		
>1 per lane	Mostly tight	Low	Monitor	Monitor or fog seal	Plan seal coat		
		Medium	Monitor	Monitor or fog seal	Fog seal		
		High	Monitor	Plan seal coat	Seal coat or mill		
	Open, < 1/2"	Low			Crack seal	Plan major rehabilitation	
		Medium			Crack seal	Plan major rehabilitation	
		High			Crack seal	Plan major rehabilitation	
>1/2" or deteriorated	Low	Crack seal and blade patch	Crack seal and blade patch	Crack seal and blade patch	Plan major rehabilitation		
	Medium	Crack seal and blade patch	Crack seal and blade patch	Crack seal and blade patch	Plan major rehabilitation		
	High	Crack seal and blade patch	Crack seal and blade patch	Crack seal and blade patch	Plan major rehabilitation		

Lubbock (Cont)

Predominant Distress	# Lanes	Severity	Traffic Level or Importance	Fast or Slow	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Rutting	1 Wheelpath	Low	F		Monitor or level up	Monitor or level up	Level up
			S		Monitor or level up	Monitor or level up	Level up
		Medium	F		Monitor or level up	Monitor or level up	Level up
			S		Monitor or level up	Monitor or level up	Level up
		High	F		Level up	Level up	Mill and level up
			S		Level up	Level up	Mill and level up
	> 1" (Deep)	Low	F		Remove and replace	Remove and replace	Remove and replace
			S		Remove and replace	Remove and replace	Remove and replace
		Medium	F		Dig out and replace	Dig out and replace	Dig out and replace
			S		Dig out and replace	Dig out and replace	Dig out and replace
		High	F		Dig out and replace	Dig out and replace	Dig out and replace
			S		Dig out and replace	Dig out and replace	Dig out and replace
Both Wheelpaths	0.5" to 1" (Shallow)	Low	F		Monitor or blade level	Strip seal or blade level	Plan rehabilitation
			S		Monitor or blade level	Strip seal or blade level	Plan rehabilitation
		Medium	F		Monitor or level up	Strip seal or blade level	Mill and overlay or plan rehabilitation
			S		Monitor or level up	Strip seal or blade level	Mill and overlay or plan rehabilitation
		High	F		Monitor or level up	Mill	Mill and overlay or plan rehabilitation
			S		Monitor or level up	Mill	Mill and overlay or plan rehabilitation
	> 1" (Deep)	Low	F		Remove, restabilize, and replace or Bomag	Level up and plan rehabilitation	Plan rehabilitation
			S		Remove, restabilize, and replace or Bomag	Level up and plan rehabilitation	Plan rehabilitation
		Medium	F		Remove, restabilize, and replace or Bomag	Mill and level up	Plan rehabilitation
			S		Remove, restabilize, and replace or Bomag	Mill and level up	Plan rehabilitation
		High	F		Mill and level up	Mill and level up	Plan rehabilitation
			S		Mill and level up	Plan rehabilitation	Plan rehabilitation

Lubbock (Cont)

Predominant Distress	# Lanes	Traffic Level Severity or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Alligator Cracking	1 Wheelpath	Low	Strip seal	Strip seal	Strip seal
		Minor	Medium	Strip seal	Strip seal or plan rehabilitation
		High	Strip seal	Strip seal	Plan rehabilitation
	Major	Low	Dig out and replace	Plan rehabilitation	Plan rehabilitation
		Medium	Remove full depth and replace	Plan rehabilitation	Plan rehabilitation
		High	Remove full depth and replace	Plan rehabilitation	Plan rehabilitation
Both Wheelpaths	Low	Spot seal	Plan seal coat	Seal coat	
	Minor	Medium	Spot seal	Plan seal coat	Seal coat
	High	Strip seal or lane width seal	Strip seal or seal coat	Plan rehabilitation	
Major	Low	Dig out and replace	Plan rehabilitation	Plan rehabilitation	
	Medium	Remove full depth and replace	Plan rehabilitation	Plan rehabilitation	
	High	Remove full depth and replace	Plan rehabilitation	Plan rehabilitation	

Predominant Distress	Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Swell/ Roughness	Some Roughness	Low	Level up	Call District Office	Call District Office
		Medium	Level up	Call District Office	Call District Office
		High	Level up	Call District Office	Call District Office
Rough		Low	Level up	Call District Office	Call District Office
		Medium	Level up	Call District Office	Call District Office
		High	Level up	Call District Office	Call District Office

Predominant Distress	Few or Many	Traffic Level or Importance	Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Failures	Few	Low	Patch	Patch	Patch or remove and replace
		Medium	Patch	Patch	Patch or remove and replace
		High	Patch	Remove and replace	Remove and replace
	Many	Low	Remove, restabilize, and replace or Bomag	Plan rehabilitation	Plan rehabilitation
		Medium	Remove full depth and replace	Plan rehabilitation	Plan rehabilitation
		High	Remove full depth and replace	Plan rehabilitation	Plan rehabilitation

Lufkin

Predominant Crack Distress	Spacing	Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Transverse Cracking	>40'	Mostly tight	Low	Monitor unless in the area, then seal coat	Monitor unless in the area, then seal coat	Monitor unless in the area, then seal coat
			Medium	Crack seal	Crack seal	Crack seal
			High	Crack seal	Crack seal	Crack seal
	Open, < 1/2"		Low	Crack seal	Crack seal	Crack seal and seal coat
			Medium	Crack seal	Crack seal	Crack seal and seal coat
			High	Crack seal	Crack seal	Crack seal and seal coat
	>1/2" or deteriorated		Low	Crack seal	Crack seal	Crack seal and seal coat
			Medium	Crack seal	Crack seal	Crack seal and seal coat
			High	Crack seal	Crack seal	Crack seal and seal coat
	Cupped or Tented		Low	Crack seal	Crack seal	Crack seal and seal coat
			Medium	Crack seal	Crack seal	Crack seal and seal coat
			High	Crack seal	Crack seal	Crack seal and seal coat
15' - 40'	Mostly tight	Low	Crack seal	Crack seal	Crack seal and seal coat	
		Medium	Crack seal	Crack seal	Crack seal and seal coat	
		High	Crack seal	Crack seal	Crack seal and seal coat	
	Open, < 1/2"		Low	Crack seal	Crack seal	Crack seal
			Medium	Crack seal	Crack seal	Crack seal
			High	Crack seal	Crack seal	Crack seal
	>1/2" or deteriorated		Low	Mix in place or remove and replace	Call District Office	Call District Office
			Medium	Mix in place or remove and replace	Call District Office	Call District Office
			High	Mix in place or remove and replace	Call District Office	Call District Office
	Cupped or Tented		Low	Blade level up if working nearby	Blade level up	Blade level up and spot seal
			Medium	Blade level up if working nearby	Blade level up	Call District Office
			High	Level up	Crack seal	Crack seal
<15'	Mostly tight	Low	Crack seal	Crack seal	Crack seal and seal coat	
		Medium	Crack seal	Crack seal	Crack seal and seal coat	
		High	Crack seal	Crack seal	Crack seal and seal coat	
	Open, < 1/2"		Low	Crack seal	Crack seal	Crack seal
			Medium	Crack seal	Crack seal	Crack seal
			High	Crack seal	Crack seal	Crack seal
	>1/2" or deteriorated		Low	Mix in place or remove and replace	Call District Office	Call District Office
			Medium	Mix in place or remove and replace	Call District Office	Call District Office
			High	Mix in place or remove and replace	Call District Office	Call District Office
	Cupped or Tented		Low	Blade level up if working nearby	Blade level up	Blade level up and spot seal
			Medium	Blade level up if working nearby	Blade level up	Call District Office
			High	Level up	Crack seal	Crack seal

Lufkin (Cont)

Predominant Crack Spacing	Traffic Level	Action if Only		Short-term Repair	Long-term Treatment	
Distress (Across)	Severity	or Importance	Localized	1-2 Years	3+ Years	
Longitudinal >Lane Width Cracking	Mostly tight	Low	Monitor	Monitor until scheduled seal coat	Monitor until scheduled seal coat	
		Medium	Crack seal	Crack seal	Crack seal	
		High	Crack seal	Crack seal	Crack seal	
	Open, < 1/2"	Low	Monitor until nearby, then spot seal	Monitor until scheduled seal coat	Monitor until scheduled seal coat	
		Medium	Crack seal	Crack seal and seal coat	Crack seal	
		High	Crack seal	Crack seal and seal coat	Crack seal	
	>1/2" or deteriorated	Low	Call District Office	Call District Office	Call District Office	
		Medium	Call District Office	Call District Office	Call District Office	
		High	Call District Office	Call District Office	Call District Office	
	1 per lane	Mostly tight	Low	Monitor	Monitor until scheduled seal coat	Monitor until scheduled seal coat
			Medium	Crack seal	Crack seal	Crack seal
			High	Crack seal	Crack seal	Crack seal
Open, < 1/2"		Low	Monitor until nearby, then spot seal	Monitor until scheduled seal coat	Monitor until scheduled seal coat	
		Medium	Crack seal	Crack seal and seal coat	Crack seal	
		High	Crack seal	Crack seal and seal coat	Crack seal	
>1/2" or deteriorated		Low	Call District Office	Call District Office	Call District Office	
		Medium	Call District Office	Call District Office	Call District Office	
		High	Call District Office	Call District Office	Call District Office	
>1 per lane		Mostly tight	Low	Monitor	Monitor until scheduled seal coat	Monitor until scheduled seal coat
			Medium	Crack seal	Crack seal	Crack seal
			High	Crack seal	Crack seal	Crack seal
	Open, < 1/2"	Low	Monitor until nearby, then spot seal	Monitor until scheduled seal coat	Seal coat	
		Medium	Crack seal	Crack seal and seal coat	Crack seal and seal coat	
		High	Crack seal	Crack seal and seal coat	Crack seal and seal coat	
	>1/2" or deteriorated	Low	Call District Office	Call District Office	Call District Office	
		Medium	Call District Office	Call District Office	Call District Office	
		High	Call District Office	Call District Office	Call District Office	

Lufkin (Cont)

Predominant Distress	# Lanes	Severity	Traffic Level or Importance	Fast or Slow	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years	
Rutting	1 Wheelpath	Low	F		Level up	Level up	Level up	
			S		Level up	Level up	Level up	
		0.5" to 1" (Shallow)	Medium	F		Level up	Level up	Level up
			S		Level up	Level up	Level up	
		High	F		Level up	Level up	Level up	
			S		Level up	Level up	Level up	
	> 1" (Deep)	Low	F		Level up or repair	Level up or repair	Level up and repair	
			S		Level up or repair	Level up or repair	Level up and repair	
		Medium	F		Level up or repair	Level up or repair	Mill and replace	
			S		Level up or repair	Level up or repair	Mill and replace	
		High	F		Level up or repair	Level up or repair	Mill and replace	
			S		Level up or repair	Level up or repair	Mill and replace	
Both Wheelpaths	0.5" to 1" (Shallow)	Low	F		Level up	Level up	Level up	
			S		Level up	Level up	Level up	
		Medium	F		Level up	Level up	Level up	
			S		Level up	Level up	Level up	
		High	F		Level up	Level up	Level up	
			S		Level up	Level up	Level up	
	> 1" (Deep)	Low	F		Level up or repair	Level up or repair	Level up and repair	
			S		Level up or repair	Level up or repair	Level up and repair	
		Medium	F		Level up or repair	Level up or repair	Mill and replace	
			S		Level up or repair	Level up or repair	Mill and replace	
		High	F		Level up or repair	Level up or repair	Mill and replace	
			S		Level up or repair	Level up or repair	Mill and replace	

Lufkin (Cont)

Predominant Distress	# Lanes	Traffic Level Severity or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Alligator Cracking	1 Wheelpath	Low	Spot seal	Spot seal	Spot seal
		Medium	Spot seal	Spot seal	Spot seal
		High	Spot seal	Spot seal	Spot seal
	Major	Low	Dig out and replace	Plan rehabilitation	Plan rehabilitation
		Medium	Dig out and replace	Plan rehabilitation	Plan rehabilitation
		High	Dig out and replace	Plan rehabilitation	Plan rehabilitation
Both Wheelpaths	Minor	Low	Spot seal	Spot seal	Spot seal
		Medium	Spot seal	Spot seal	Spot seal
		High	Spot seal	Spot seal	Spot seal
	Major	Low	Dig out and replace	Plan rehabilitation	Plan rehabilitation
		Medium	Dig out and replace	Plan rehabilitation	Plan rehabilitation
		High	Dig out and replace	Plan rehabilitation	Plan rehabilitation

Predominant Distress	Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Swell/Roughness	Some Roughness	Low	Level up	Level up	Level up
		Medium	Level up	Level up	Level up
		High	Level up	Level up	Level up
	Rough	Low	Mill or level up	Mill or level up	Mill or level up
		Medium	Mill or level up	Mill or level up	Mill or level up
		High	Mill or level up	Mill or level up	Mill or level up

Predominant Distress	Few or Many	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Failures	Few	Low	Dig out and replace	Dig out and replace	Dig out and replace
		Medium	Dig out and replace	Dig out and replace	Dig out and replace
		High	Dig out and replace	Dig out and replace	Dig out and replace
	Many	Low	Dig out and replace	Plan rehabilitation	Plan rehabilitation
		Medium	Dig out and replace	Plan rehabilitation	Plan rehabilitation
		High	Dig out and replace	Plan rehabilitation	Plan rehabilitation

No data

Odessa (Continued)

No Data

Paris

Predominant Crack Distress		Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years	
Transverse Cracking	>40' Mostly tight	Low	Monitor	Monitor	Monitor	
		Medium	Monitor	Monitor	Monitor	
		High	Monitor	Monitor	Monitor	
	Open, < 1/2"	Low	Monitor	Monitor	Monitor	Monitor
		Medium	Monitor	Monitor	Monitor	Monitor
		High	Monitor	Monitor	Monitor	Monitor
	>1/2" or deteriorated	Low	Monitor	Monitor	Monitor	Plan seal coat
		Medium	Monitor	Crack seal	Crack seal	Crack seal
		High	Monitor	Crack seal	Crack seal	Crack seal
	Cupped or Tented	Low	Monitor	Monitor	Monitor	Monitor
		Medium	Monitor	Monitor	Monitor	Either monitor or blade tops of cracks and crack seal
		High	Monitor	Blade tops of cracks and crack seal	Blade tops of cracks and crack seal	Blade tops of cracks and crack seal
15' - 40'	Mostly tight	Low	Monitor	Monitor	Monitor	
		Medium	Monitor	Monitor	Monitor	
		High	Monitor	Monitor	Monitor	
	Open, < 1/2"	Low	Monitor	Monitor	Monitor	Monitor
		Medium	Monitor	Monitor	Monitor	Monitor
		High	Monitor	Monitor	Monitor	Monitor
	>1/2" or deteriorated	Low	Crack seal	Crack seal	Crack seal	Crack seal
		Medium	Crack seal	Crack seal	Crack seal	Crack seal
		High	Crack seal	Crack seal	Crack seal	Crack seal
	Cupped or Tented	Low	Blade tops of cracks and skin patch	Mill and seal coat	Mill and seal coat	Mill and seal coat
		Medium	Blade tops of cracks and skin patch	Mill tops of cracks, seal coat and slurry	Mill tops of cracks, seal coat and slurry	Mill tops of cracks, seal coat and slurry
		High	Blade tops of cracks and skin patch	Plan rehabilitation (mill, fabric, and overlay)	Plan rehabilitation (mill, fabric, and overlay)	Plan rehabilitation (mill, fabric, and overlay)
<15'	Mostly tight	Low	Monitor	Monitor	Fog seal	
		Medium	Monitor	Monitor	Fog seal	
		High	Monitor	Monitor	Fog seal	
	Open, < 1/2"	Low	Fog seal and sand, broom into cracks	Crack seal	Crack seal	Crack seal
		Medium	Skin patch	Crack seal	Crack seal	Crack seal
		High	Skin patch	Crack seal	Crack seal	Crack seal
	>1/2" or deteriorated	Low	Crack seal	Crack seal	Crack seal	Crack seal
		Medium	Crack seal	Crack seal	Crack seal	Crack seal
		High	Crack seal	Crack seal	Crack seal	Crack seal
	Cupped or Tented	Low	Blade tops of cracks and skin patch	Mill and seal coat	Mill and seal coat	Mill and seal coat
		Medium	Blade tops of cracks and skin patch	Mill tops of cracks, seal coat and slurry	Mill tops of cracks, seal coat and slurry	Mill tops of cracks, seal coat and slurry
		High	Blade tops of cracks and skin patch	Plan rehabilitation (mill, fabric, and overlay)	Plan rehabilitation (mill, fabric, and overlay)	Plan rehabilitation (mill, fabric, and overlay)

Paris (Cont)

Predominant Crack Spacing	Traffic Level	Action if Only	Short-term Repair	Long-term Treatment		
Distress (Across) Severity	or Importance	Localized	1-2 Years	3+ Years		
Longitudinal >Lane Width Cracking	Mostly tight	Low	Monitor	Monitor	Monitor	
		Medium	Monitor	Monitor	Monitor	
		High	Monitor	Monitor	Monitor	
	Open, < 1/2"	Low	Monitor	Monitor	Monitor	
		Medium	Monitor	Monitor	Monitor	
		High	Monitor	Monitor	Monitor	
	>1/2" or deteriorated	Low	Monitor	Monitor	Monitor	
		Medium	Monitor	Either monitor or crack seal	Either monitor or crack seal	
		High	Monitor	Crack seal	Crack seal	
	1 per lane	Mostly tight	Low	Monitor	Monitor	Monitor
			Medium	Monitor	Monitor	Monitor
			High	Monitor	Monitor	Monitor
Open, < 1/2"		Low	Monitor	Monitor	Monitor	
		Medium	Monitor	Monitor	Monitor	
		High	Monitor	Monitor	Monitor	
>1/2" or deteriorated		Low	Monitor	Monitor	Monitor	
		Medium	Monitor	Either monitor or crack seal	Either monitor or crack seal	
		High	Monitor	Crack seal	Crack seal	
>1 per lane		Mostly tight	Low	Monitor	Monitor	Monitor
			Medium	Monitor	Monitor	Monitor
			High	Monitor	Monitor	Monitor
	Open, < 1/2"	Low	Fog seal	Fog seal	Crack seal	
		Medium	Crack seal	Crack seal	Crack seal	
		High	Crack seal	Crack seal	Crack seal	
	>1/2" or deteriorated	Low	Crack seal	Crack seal	Skin patch	
		Medium	Skin patch	Skin patch	Skin patch	
		High	Skin patch	Skin patch	Skin patch	

Paris (Cont)

Predominant Distress			Traffic Level or Importance	Fast or Slow	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Rutting	1 Wheelpath	Low	F	Spot level in curves and on hills	Monitor	Monitor	
			S	Spot level in curves and on hills	Monitor	Monitor	
		0.5" to 1" (Shallow)	Medium	F	Blade patch	Spot level up	Spot level up
			S	Blade patch	Spot level up	Spot level up	
		High	F	Blade patch	Microsurface ruts, follow with seal coat next year or hot mix cold laid blade patch	Microsurface ruts, follow with seal coat next year or hot mix cold laid blade patch	
			S	Blade patch	Microsurface ruts, follow with seal coat next year or hot mix cold laid blade patch	Microsurface ruts, follow with seal coat next year or hot mix cold laid blade patch	
	> 1" (Deep)	Low	F	Spot level in curves and on hills	Spot level up	Plan rehabilitation or spot seal	
			S	Spot level in curves and on hills	Spot level up	Plan rehabilitation or spot seal	
		Medium	F	Blade patch	Microsurface ruts	Microsurface ruts, follow with seal coat next year or hot mix cold laid blade patch	
			S	Blade patch	Microsurface ruts	Microsurface ruts, follow with seal coat next year or hot mix cold laid blade patch	
		High	F	Blade patch	Microsurface ruts	Microsurface ruts, follow with seal coat next year or hot mix cold laid blade patch	
			S	Blade patch	Microsurface ruts	Microsurface ruts, follow with seal coat next year or hot mix cold laid blade patch	
Both Wheelpaths	1 Wheelpath	Low	F	Spot level in curves and on hills	Monitor	Monitor	
			S	Spot level in curves and on hills	Monitor	Monitor	
		0.5" to 1" (Shallow)	Medium	F	Blade patch	Spot level up	Spot level up
			S	Blade patch	Spot level up	Spot level up	
		High	F	Blade patch	Microsurface ruts, follow with seal coat next year or hot mix cold laid blade patch	Microsurface ruts, follow with seal coat next year or hot mix cold laid blade patch	
			S	Blade patch	Microsurface ruts, follow with seal coat next year or hot mix cold laid blade patch	Microsurface ruts, follow with seal coat next year or hot mix cold laid blade patch	
	> 1" (Deep)	Low	F	Spot level in curves and on hills	Spot level up	Plan rehabilitation or spot seal	
			S	Spot level in curves and on hills	Spot level up	Plan rehabilitation or spot seal	
		Medium	F	Blade patch	Microsurface ruts	Microsurface ruts, follow with seal coat next year or hot mix cold laid blade patch	
			S	Blade patch	Microsurface ruts	Microsurface ruts, follow with seal coat next year or hot mix cold laid blade patch	
		High	F	Blade patch	Microsurface ruts	Microsurface ruts, follow with seal coat next year or hot mix cold laid blade patch	
			S	Blade patch	Microsurface ruts	Microsurface ruts, follow with seal coat next year or hot mix cold laid blade patch	

Paris (Cont)

Predominant Distress	# Lanes	Traffic Level		Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
		Severity	or Importance			
Alligator Cracking	1 Wheelpath	Minor	Low	Seal coat	Monitor	Monitor
			Medium	Seal coat	Seal coat	Seal coat
			High	Seal coat	Seal coat	Seal coat
		Major	Low	Blade patch and seal coat	Plan rehabilitation	Plan rehabilitation
			Medium	Blade patch and seal coat	Plan rehabilitation	Plan rehabilitation
			High	Blade patch and seal coat	Plan rehabilitation	Plan rehabilitation
	Both Wheelpaths	Minor	Low	Seal coat	Monitor	Monitor
			Medium	Seal coat	Seal coat	Seal coat
			High	Seal coat	Seal coat	Seal coat
		Major	Low	Blade patch and seal coat	Plan rehabilitation	Plan rehabilitation
			Medium	Blade patch and seal coat	Plan rehabilitation	Plan rehabilitation
			High	Blade patch and seal coat	Plan rehabilitation	Plan rehabilitation

Predominant Distress	Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Medium	Monitor	Monitor, but plan rehabilitation	Monitor, but plan rehabilitation		
High	Monitor	Monitor, but plan rehabilitation	Monitor, but plan rehabilitation		
Rough	Low	Spot level	Spot level. If abrupt bump, cut out and replace.	Spot level. If abrupt bump, cut out and replace.	
	Medium	Spot level	Spot level. If abrupt bump, cut out and replace.	Spot level. If abrupt bump, cut out and replace.	
	High	Spot level	Spot level. If abrupt bump, cut out and replace.	Spot level. If abrupt bump, cut out and replace.	

Predominant Distress	Few or Many	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Medium	Remove, restabilize, and replace	Remove, restabilize, and replace	Remove, restabilize, and replace		
High	Remove, restabilize, and replace	Remove, restabilize, and replace	Remove, restabilize, and replace		
Many	Low	Patch with pothole crew	Patch with pothole crew	Patch with pothole crew	
	Medium	Remove, restabilize, and replace	Remove, restabilize, and replace	Remove, restabilize, and replace	
	High	Remove, restabilize, and replace	Remove, restabilize, and replace	Remove, restabilize, and replace	

Pharr

Predominant Crack Distress	Spacing	Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Transverse Cracking	>40'	Mostly tight	Low	Monitor	Monitor	Monitor
			Medium	Monitor	Monitor	Monitor
			High	Monitor	Monitor	Monitor
		Open, < 1/2"	Low	Monitor	Crack seal	Crack seal
			Medium	Monitor	Crack seal	Crack seal
			High	Monitor	Crack seal	Crack seal
		>1/2" or deteriorated	Low	Monitor	Crack fill and crack seal	Crack fill and crack seal
			Medium	Monitor	Crack fill and crack seal	Crack fill and crack seal
			High	Monitor	Crack fill and crack seal	Crack fill and crack seal
		Cupped or Tented	Low	Blade shave tops of cracks and maintenance seal	Mill and maintenance seal	Mill and maintenance seal
			Medium	Either blade shave tops of cracks and maintenance seal or maintenance seal	Mill and maintenance seal	Mill and maintenance seal
			High	Mill and maintenance seal	Mill and maintenance seal	Mill and maintenance seal
15' - 40'	Mostly tight	Low	Monitor	Monitor	Monitor	
			Medium	Monitor	Monitor	Monitor
			High	Monitor	Monitor	Monitor
		Open, < 1/2"	Low	Crack seal	Crack seal	Crack seal
			Medium	Crack seal	Crack seal	Crack seal
			High	Crack seal	Crack seal	Crack seal
		>1/2" or deteriorated	Low	Crack fill and crack seal	Crack fill and crack seal	Crack fill and crack seal
			Medium	Crack fill and crack seal	Crack fill and crack seal	Crack fill and crack seal
			High	Crack fill and crack seal	Crack fill and crack seal	Crack fill and crack seal, seal coat if nothing planned for more than 2 years
		Cupped or Tented	Low	Blade shave tops of cracks and maintenance seal	Mill and maintenance seal	Mill and maintenance seal
			Medium	Either blade shave tops of cracks and maintenance seal or maintenance seal	Mill and maintenance seal	Mill and maintenance seal
			High	Mill and maintenance seal	Mill and maintenance seal	Mill and maintenance seal
<15'	Mostly tight	Low	Monitor	Fog seal	Fog seal	
			Medium	Monitor	Fog seal	Fog seal
			High	Monitor	Fog seal	Fog seal
		Open, < 1/2"	Low	Crack seal	Crack seal	Crack seal
			Medium	Crack seal	Crack seal	Crack seal
			High	Crack seal	Crack seal	Crack seal
		>1/2" or deteriorated	Low	Bomag, restabilize and resurface	Crack fill, crack seal, and seal coat	Bomag, restabilize and resurface or reconstruct, or District Project Selection
			Medium	Bomag, restabilize and resurface	Crack fill, crack seal, and seal coat	Bomag, restabilize and resurface or reconstruct, or District Project Selection
			High	Bomag, restabilize and resurface	Crack fill, crack seal, and seal coat	Bomag, restabilize and resurface or reconstruct, or District Project Selection
		Cupped or Tented	Low	Blade shave tops of cracks and maintenance seal	Call District Office	Call District Office
			Medium	Either blade shave tops of cracks and maintenance seal or maintenance seal	Call District Office	Call District Office
			High	Mill and maintenance seal	Call District Office	Call District Office

Pharr (Cont)

Predominant Distress	Crack Spacing (Across)	Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years	
Longitudinal Cracking	> Lane Width	Mostly tight	Low	Monitor	Monitor	Monitor	
			Medium	Monitor	Monitor	Monitor	
			High	Monitor	Monitor	Monitor	
		Open, < 1/2"		Low	Monitor	Monitor	Monitor
				Medium	Monitor	Crack seal	Crack seal
				High	Monitor	Crack seal	Crack seal
		> 1/2" or deteriorated		Low	Maybe level up	Crack fill, crack seal, and level up	Crack fill, crack seal, and level up
				Medium	Crack fill, crack seal, and level up	Crack fill, crack seal, and level up	Crack fill, crack seal, and level up
				High	Crack fill, crack seal, and level up	Crack fill, crack seal, and level up	Crack fill, crack seal, and level up
	1 per lane	Mostly tight		Low	Monitor	Monitor	Monitor
				Medium	Monitor	Monitor	Monitor
				High	Monitor	Monitor	Monitor
Open, < 1/2"			Low	Monitor or crack seal	Crack seal	Crack seal	
			Medium	Monitor or crack seal	Crack seal	Crack seal	
			High	Monitor or crack seal	Crack seal	Crack seal	
> 1/2" or deteriorated		Low	Crack fill and crack seal	Crack fill, crack seal, and level up	Crack fill, crack seal, and level up		
		Medium	Crack fill and crack seal	Crack fill, crack seal, and level up	Crack fill, crack seal, and level up		
		High	Crack fill and crack seal	Crack fill, crack seal, and level up	Crack fill, crack seal, and level up		
> 1 per lane	Mostly tight		Low	Monitor	Monitor	Monitor or strip seal	
			Medium	Monitor	Monitor	Monitor or strip seal	
			High	Monitor	Monitor	Monitor or strip seal	
	Open, < 1/2"		Low	Crack seal	Crack seal	Crack seal	
			Medium	Crack seal	Crack seal	Crack seal	
			High	Crack seal	Crack seal	Crack seal	
> 1/2" or deteriorated		Low	Crack fill, crack seal, and level up	Crack fill, crack seal, and level up	Crack fill, crack seal, level up, and seal coat		
		High	Crack fill, crack seal, and level up	Remove, restabilize, and replace, or reconstruction, or District Project Selection	Either crack fill, crack seal, and level up or Remove, restabilize, and replace, or reconstruction, or District Project Selection		

Pharr (Cont)

Predominant Distress	# Lanes	Severity	Traffic Level or Importance	Fast or Slow	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years	
Rutting	1 Wheelpath	Low	F		Blade level	Blade level	Level up and strip seal	
			S		Blade level	Blade level	Level up and strip seal	
		0.5" to 1" (Shallow)	Medium	F		Blade level	Mill and monitor	Mill, seal, and monitor
			S		Blade level	Blade level	Blade level	Blade level
		High	F		Blade level	Mill and monitor	Mill, seal, and monitor	
			S		Blade level	Blade level	Blade level	Blade level
	> 1" (Deep)	Low	F		Blade level	Blade level	Blade level	
			S		Blade level	Blade level	Blade level	
		Medium	F		Blade level	Mill and replace	District Project Selection	
			S		Blade level	Mill and replace or blade level	District Project Selection	
		High	F		Blade level	Mill and replace	District Project Selection	
			S		Blade level	Mill and replace or blade level	District Project Selection	
Both Wheelpaths	0.5" to 1" (Shallow)	Low	F		Blade level	Blade level	Level up and strip seal	
			S		Blade level	Blade level	Level up and strip seal	
		Medium	F		Blade level	Mill and monitor	Mill, seal, and monitor	
			S		Blade level	Blade level	Blade level	
		High	F		Blade level	Mill and monitor	Mill, seal, and monitor	
			S		Blade level	Blade level	Blade level	
	> 1" (Deep)	Low	F		Blade level	Blade level	Blade level	
			S		Blade level	Blade level	Blade level	
		Medium	F		Blade level	Mill and replace	District Project Selection	
			S		Blade level	Mill and replace or blade level	District Project Selection	
		High	F		Blade level	Mill and replace	District Project Selection	
			S		Blade level	Mill and replace or blade level	District Project Selection	

Pharr (Cont)

Predominant Distress	# Lanes	Traffic Level Severity or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Alligator Cracking	1 Wheelpath	Low	Strip seal	Spot squeegee and seal coat	Spot squeegee and seal coat
		Minor	Medium	Strip seal	Spot squeegee and seal coat
		High	Strip seal	Spot squeegee and seal coat	Spot squeegee and seal coat
	Major	Low	Spot squeegee and seal coat	Spot squeegee and seal coat	Spot squeegee and seal coat
		Medium	Mill and replace	District Project Selection or Mill and replace	Mill and replace
		High	Mill and replace	District Project Selection or Mill and replace	Mill and replace
Both Wheelpaths	Minor	Low	Strip seal	Spot squeegee and seal coat	Spot squeegee and seal coat
		Medium	Strip seal	Spot squeegee and seal coat	Spot squeegee and seal coat
		High	Strip seal	Spot squeegee and seal coat	Spot squeegee and seal coat
	Major	Low	Spot squeegee and seal coat	Spot squeegee and seal coat	Spot squeegee and seal coat
		Medium	Mill and replace	District Project Selection or Mill and replace	District Project Selection or Mill and replace
		High	Mill and replace	District Project Selection or Mill and replace	District Project Selection or Mill and replace

Predominant Distress	Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Swell/Roughness	Some Roughness	Low	Monitor or level up	Monitor	Monitor
		Medium	Blade level up	Blade level up	Blade level up
		High	Blade level up	Blade level up	Blade level up
	Rough	Low	Blade level up	Blade level up	Blade level up
		Medium	Blade level up	Call District Office or Forensic Team	Call District Office or Forensic Team
		High	Blade level up	Call District Office or Forensic Team	Call District Office or Forensic Team

Predominant Distress	Few or Many	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Failures	Few	Low	Remove and replace	Remove and replace	Remove and replace
		Medium	Spot Bomag, restabilize, and replace	Spot Bomag, restabilize, and replace	Spot Bomag, restabilize, and replace
		High	Spot Bomag, restabilize, and replace	Spot Bomag, restabilize, and replace	Spot Bomag, restabilize, and replace
	Many	Low	Bomag, restabilize, and replace	Bomag, restabilize, and replace	Bomag, restabilize, and replace
		Medium	Bomag, restabilize, and replace	Bomag, restabilize, and replace	District Project Selection or Mill and replace
		High	Bomag, restabilize, and replace	Bomag, restabilize, and replace	District Project Selection or Mill and replace

San Angelo

Predominant Crack Distress		Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years	
Transverse Cracking	>40'	Low	Monitor	Monitor	Monitor	
		Medium	Monitor	Monitor	Monitor or fog seal	
		High	Monitor	Monitor or fog seal	Fog seal and monitor	
	Mostly tight	Low	Strip seal	Fog seal	Fog seal	
		Medium	Strip seal	Fog seal or seal coat	Seal coat	
		High	Strip seal	Seal coat	Seal coat	
	Open, < 1/2"	Low	Patch	Seal coat	Seal coat	
		Medium	Patch	Crack seal	Seal coat	
		High	Patch	Seal coat	Bandaid fabric strip and overlay	
	>1/2" or deteriorated	Low	Cut out and patch	Patch	Patch	
		Medium	Patch	Patch	Patch	
		High	Patch	Patch	Bandaid fabric strip and overlay	
	15' - 40'	Mostly tight	Low	Monitor	Monitor	Monitor
			Medium	Monitor	Monitor	Monitor
			High	Monitor	Monitor or fog seal	Monitor or fog seal
		Open, < 1/2"	Low	Strip seal	Strip seal	Patch
			Medium	Strip seal	Patch	Patch
			High	Patch	Patch	Patch
		>1/2" or deteriorated	Low	Patch	Patch and seal coat	Program for rehabilitation
			Medium	Patch	Patch and seal coat	Program for rehabilitation
			High	Patch	Patch and seal coat	Program for rehabilitation
		Cupped or Tented	Low	Patch and crack seal	Patch and seal coat	Program for rehabilitation
			Medium	Patch and crack seal	Patch and seal coat	Program for rehabilitation
			High	Patch and crack seal	Patch and seal coat	Program for rehabilitation
<15'		Mostly tight	Low	Patch	Seal coat	Seal coat and monitor
			Medium	Patch	Seal coat	Seal coat and monitor
			High	Patch	Seal coat	Seal coat and monitor
		Open, < 1/2"	Low	Patch	Geotextile or microsurface	Rehabilitation
			Medium	Patch	Geotextile or microsurface	Rehabilitation
			High	Patch	Geotextile or microsurface	Rehabilitation
	>1/2" or deteriorated	Low	Patch	Geotextile or microsurface	Rehabilitation	
		Medium	Patch	Geotextile or microsurface	Rehabilitation	
		High	Patch	Geotextile or microsurface	Rehabilitation	
	Cupped or Tented	Low	Patch	Seal coat to hold together, but should try to fix before 2 - 3 years	Reconstruct	
		Medium	Patch	Seal coat to hold together, but should try to fix before 2 - 3 years	Reconstruct	
		High	Patch	Seal coat to hold together, but should try to fix before 2 - 3 years	Reconstruct	

San Angelo (Cont)

Predominant Crack Spacing Distress (Across)	Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years	
Longitudinal >Lane Width Cracking	Mostly tight	Low	Monitor	Monitor	Monitor	
		Medium	Monitor	Monitor	Monitor	
		High	Monitor	Monitor	Monitor	
	Open, < 1/2"	Low	Strip seal	Strip seal	Strip seal	Strip seal
		Medium	Strip seal	Strip seal	Strip seal	Strip seal
		High	Crack seal	Crack seal	Crack seal	Seal coat
	>1/2" or deteriorated	Low	Strip seal	Seal coat	Seal coat	Geotextile and overlay
		Medium	Seal coat	Seal coat	Crack seal	Geotextile and overlay
		High	Patch	Patch	Geotextile and overlay	Rehabilitation
1 per lane	Mostly tight	Low	Monitor	Monitor	Monitor	
		Medium	Monitor	Monitor	Monitor	
		High	Monitor	Monitor	Monitor	
	Open, < 1/2"	Low	Strip seal	Strip seal	Strip seal	Strip seal
		Medium	Seal coat	Seal coat	Seal coat	Seal coat
		High	Patch	Patch	Geotextile and overlay	Rehabilitation
>1/2" or deteriorated	Low	Patch and crack seal	Seal coat	Seal coat	Microsurface	
	Medium	Patch and crack seal	Patch and crack seal	Microsurface	Geotextile and overlay	
	High	Patch	Patch	Geotextile and overlay	Rehabilitation	
>1 per lane	Mostly tight	Low	Monitor	Monitor	Monitor	
		Medium	Monitor	Monitor	Monitor	
		High	Monitor	Monitor	Monitor	
	Open, < 1/2"	Low	Patch	Patch	Seal coat	Seal coat
		Medium	Patch	Patch	Seal coat	Seal coat
		High	Patch	Patch	Geotextile and overlay	Rehabilitation
>1/2" or deteriorated	Low	Patch	Patch	Microsurface	Rehabilitation	
	Medium	Patch	Patch	Microsurface	Rehabilitation	
	High	Patch	Patch	Geotextile and overlay	Rehabilitation	

San Angelo (Cont)

Predominant Distress	# Lanes	Severity	Traffic Level or Importance	Fast or Slow	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment	
							3+ Years	
Rutting	1 Wheelpath	0.5" to 1" (Shallow)	Low	F	Fill rut	Mill	Seal coat - Grade 3	
				S	Monitor	Monitor	CMHB overlay	
			Medium	F	Fill rut	Mill	CMHB overlay	
			S	Monitor	Monitor	CMHB overlay		
		High	F	Mill	Mill	Rehabilitate		
			S	Mill	Monitor	If intersection, use PCC, otherwise rehabilitate		
		> 1" (Deep)	Low	F	Patch	Microsurface	Microsurface	
				S	Fill rut	Microsurface	Microsurface	
			Medium	F	Patch	Microsurface	CMHB overlay	
		S	Patch	Microsurface	CMHB overlay			
	High	F	Patch	Microsurface	CMHB overlay			
		S	Patch	Microsurface	CMHB overlay			
	Both Wheelpaths	0.5" to 1" (Shallow)	Low	F	Fill rut	Patch	Seal coat - Grade 3	
				S	Monitor	Monitor	CMHB overlay	
			Medium	F	Fill rut	Patch	CMHB overlay	
		S	Monitor	Monitor	CMHB overlay			
High		F	Mill	Patch	Rehabilitate			
		S	Mill	Monitor	If intersection, use PCC, otherwise rehabilitate			
> 1" (Deep)		Low	F	Patch	Rehabilitate	Rehabilitate		
			S	Patch	Rehabilitate	Rehabilitate		
		Medium	F	Patch	Rehabilitate	Rehabilitate		
	S	Patch	Rehabilitate	Rehabilitate				
High	F	Patch	Rehabilitate	Rehabilitate				
	S	Patch	Rehabilitate	Rehabilitate				

San Angelo (Cont)

Predominant Distress	# Lanes	Traffic Level Severity or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Alligator Cracking	1 Wheelpath	Low	Monitor	Strip seal	Seal coat
		Medium	Strip seal	Strip seal	Seal coat
		High	Strip seal	Strip seal	Seal coat
	Major	Low	Patch	Seal coat	Seal coat
		Medium	Patch	Seal coat	Geotextile and overlay
		High	Patch	Seal coat	Mill and overlay
Both Wheelpaths	Minor	Low	Monitor	Strip seal	Seal coat
		Medium	Strip seal	Strip seal	Seal coat
		High	Strip seal	Strip seal	Seal coat
	Major	Low	Patch	Seal coat	Seal coat
		Medium	Patch	Seal coat	Geotextile and overlay
		High	Patch	Seal coat	Mill and overlay

Predominant Distress	Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Swell/ Roughness	Some Roughness	Low	Monitor	Monitor	Rehabilitate
		Medium	Monitor	Monitor	Rehabilitate
		High	Monitor	Monitor	Rehabilitate
	Rough	Low	Mill and overlay	Monitor	Rehabilitate
		Medium	Mill and overlay	Monitor	Rehabilitate
		High	Mill and overlay	Monitor	Rehabilitate

Predominant Distress	Few or Many	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Failures	Few	Low	Patch	Patch	Mill and overlay, if ravelling use a seal coat
		Medium	Patch	Patch	Mill and overlay, if ravelling use a seal coat
		High	Patch	Patch	Mill and overlay, if ravelling use a seal coat
	Many	Low	Patch	Patch	Mill and overlay, if ravelling use a seal coat
		Medium	Patch	Patch	Mill and overlay, if ravelling use a seal coat
		High	Patch	Patch	Mill and overlay, if ravelling use a seal coat

San Antonio

Predominant Crack Distress		Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years	
Transverse Cracking	>40'	Low	Monitor	Monitor	Monitor	
		Medium	Monitor	Monitor until sealing nearby, then crack seal	Monitor until sealing nearby, then crack seal	
		High	Monitor	Monitor until sealing nearby, then crack seal	Monitor until sealing nearby, then crack seal	
	Open, < 1/2"	Low	Monitor until sealing nearby, then crack seal	Crack seal	Crack seal	
		Medium	Monitor until sealing nearby, then crack seal	Crack seal	Crack seal	
		High	Monitor until sealing nearby, then crack seal	Crack seal	Crack seal	
	> 1/2" or deteriorated	Low	Monitor until sealing nearby, then crack seal	Crack seal	Crack seal	
		Medium	Monitor until sealing nearby, then crack seal	Crack seal	Crack seal	
	Cupped or Tented	High	Monitor until sealing nearby, then crack seal	Crack seal	Crack seal	
		Low	Monitor until sealing nearby, then crack seal	Crack seal	Crack seal	
	15' - 40'	Mostly tight	Low	Monitor	Monitor	Monitor
			Medium	Monitor	Monitor	Monitor
High			Monitor	Monitor	Monitor	
Open, < 1/2"		Low	Crack seal	Crack seal	Crack seal	
		Medium	Crack seal	Crack seal	Crack seal	
		High	Crack seal	Crack seal	Crack seal	
> 1/2" or deteriorated		Low	Crack seal	Crack seal	Crack seal	
		Medium	Crack seal	Crack seal	Crack seal and monitor	
Cupped or Tented		High	Crack seal	Crack seal	Crack seal and monitor	
		Low	Crack seal, maybe blade patch	Crack seal	Crack seal, maybe blade patch	
Cupped or Tented		Medium	Crack seal	Crack seal	Mill and seal coat or mill and crack seal	
		High	Crack seal	Crack seal	Mill and seal coat or mill and crack seal	
<15'	Mostly tight	Low	Spot seal or monitor	Plan seal coat	Seal coat	
		Medium	Either spot seal or monitor	Either plan seal coat or monitor	Either seal coat or monitor	
		High	Monitor	Monitor	Monitor	
	Open, < 1/2"	Low	Crack seal	Crack seal	Crack seal and plan seal coat	
		Medium	Crack seal	Crack seal	Crack seal and overlay or rubber seal	
		High	Crack seal	Crack seal	Crack seal and seal coat, plan overlay	
	> 1/2" or deteriorated	Low	Crack seal	Crack seal	Plan major rehabilitation	
		Medium	Crack seal	Crack seal	Plan major rehabilitation	
	Cupped or Tented	High	Crack seal	Crack seal	Plan major rehabilitation	
		Low	Blade patch	Spot seal	Bomag and reconstruct	
	Cupped or Tented	Medium	Mill and replace	Mill and replace	Mill and replace	
		High	Mill and replace	Mill and replace	Mill and replace	

San Antonio (Cont)

Predominant Crack Spacing		Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years	
Distress (Across)	Severity					
Longitudinal >Lane Width Cracking	Mostly tight	Low	Monitor	Monitor	Monitor	
		Medium	Crack seal or monitor	Crack seal or monitor	Crack seal or monitor	
		High	Crack seal or monitor	Crack seal	Crack seal	
	Open, < 1/2"	Low	Monitor	Monitor	Monitor	
		Medium	Crack seal or monitor	Crack seal or monitor	Crack seal or monitor	
		High	Crack seal or monitor	Crack seal	Crack seal	
	>1/2" or deteriorated	Low	Monitor	Monitor	Monitor	
		Medium	Crack seal or monitor	Crack seal or monitor	Crack seal or monitor	
		High	Crack seal or monitor	Crack seal	Crack seal	
	1 per lane	Mostly tight	Low	Monitor	Monitor	Monitor
			Medium	Monitor	Monitor	Monitor
			High	Monitor	Monitor	Monitor
Open, < 1/2"		Low	Monitor	Monitor	Monitor	
		Medium	Crack seal or monitor	Crack seal or monitor	Crack seal or monitor	
		High	Crack seal or monitor	Crack seal	Crack seal	
>1/2" or deteriorated		Low	Monitor	Monitor	Monitor	
		Medium	Crack seal or monitor	Crack seal or monitor	Crack seal or monitor	
		High	Crack seal or monitor	Crack seal	Crack seal	
>1 per lane		Mostly tight	Low	Monitor	Monitor	Monitor
			Medium	Monitor	Monitor	Monitor
			High	Monitor	Monitor	Monitor
	Open, < 1/2"	Low	Crack seal	Crack seal	Crack seal	
		Medium	Crack seal	Crack seal	Crack seal	
		High	Crack seal	Crack seal	Crack seal	
	>1/2" or deteriorated	Low	Crack seal	Spot or strip seal	Seal coat	
		Medium	Crack seal	Mill and replace worst areas	Plan rehabilitation or mill, seal coat, and overlay	
		High	Crack seal	Mill and replace worst areas	Plan rehabilitation or mill, seal coat, and overlay	

San Antonio (Cont)

Predominant Distress		Traffic Level or Importance	Fast or Slow	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years	
Rutting	1 Wheelpath	Low	F	Monitor	Monitor	Monitor	
			S	Monitor	Monitor	Monitor	
		0.5" to 1" (Shallow)	Medium	F	Monitor	Monitor	Mill or level up
				S	Monitor	Monitor	Mill or level up
		High	F	Monitor	Mill or level up	Mill or level up	
			S	Monitor	Mill or level up	Mill or level up	
	> 1" (Deep)	Low	F	Blade patch	Monitor	Monitor or plan level up and seal coat	
			S	Blade patch	Monitor	Monitor or plan level up and seal coat	
		Medium	F	Blade patch	Mill	Monitor or plan level up and seal coat	
			S	Blade patch	Mill	Monitor or plan level up and seal coat	
		High	F	Blade patch or strip seal	Mill	Mill or level up and overlay	
			S	Blade patch or strip seal	Mill	Mill or level up and overlay	
Both Wheelpaths	0.5" to 1" (Shallow)	Low	F	Monitor	Monitor	Monitor or plan level up and seal coat	
			S	Monitor	Monitor	Monitor or plan level up and seal coat	
		Medium	F	Monitor	Monitor	Monitor or plan level up and seal coat	
			S	Monitor	Monitor	Monitor or plan level up and seal coat	
		High	F	Mill	Mill	Mill	
			S	Mill	Mill	Mill	
	> 1" (Deep)	Low	F	Monitor	Monitor	Monitor or plan level up and seal coat	
			S	Monitor	Monitor	Monitor or plan level up and seal coat	
		Medium	F	Mill, seal coat, and overlay or mill	Mill	Mill, seal coat, and overlay or mill	
			S	Mill, seal coat, and overlay or mill	Mill	Mill, seal coat, and overlay or mill	
		High	F	Mill, seal coat, and overlay or mill	Mill	Mill, seal coat, and overlay or mill	
			S	Mill, seal coat, and overlay or mill	Mill	Mill, seal coat, and overlay or mill	

San Antonio Cont)

Predominant Distress	# Lanes	Traffic Level Severity or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years	
Alligator Cracking	1 Wheelpath	Low	Spot base repair	Seal coat and hope	Seal coat and hope	
		Minor	Medium	Spot base repair	Plan rehabilitation	
		High	Spot base repair	Plan rehabilitation	Plan rehabilitation	
		Low	Medium	Spot base repair	Seal coat and hope	Spot base repair and seal coat
		Major	Medium	Spot base repair	Plan rehabilitation	Plan rehabilitation
		High	Spot base repair	Plan rehabilitation	Plan rehabilitation	
	Both Wheelpaths	Low	Spot base repair	Seal coat and hope	Seal coat and hope	
		Minor	Medium	Spot base repair	Plan rehabilitation	Plan rehabilitation
		High	Spot base repair	Plan rehabilitation	Plan rehabilitation	
		Low	Medium	Spot base repair	Seal coat and hope	Spot base repair and seal coat
		Major	Medium	Spot base repair	Plan rehabilitation	Plan rehabilitation
		High	Spot base repair	Plan rehabilitation	Plan rehabilitation	

Predominant Distress	Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Swell/ Roughness	Some Roughness	Low	Monitor	Monitor	Monitor
		Medium	Monitor	Monitor	Monitor
		High	Blade patch or monitor	Blade patch or monitor	Blade patch or monitor
	Rough	Low	Blade level up	Blade level up	Blade level up
		Medium	Blade level up	Blade level up	Blade level up
		High	Blade level up	Blade level up	Blade level up or blade level and overlay

Predominant Distress	Few or Many	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Failures	Few	Low	Spot base repair or fill holes	Spot base repair or fill holes	Fill holes and plan rehabilitation
		Medium	Spot base repair or fill holes	Spot base repair or fill holes	Fill holes and plan rehabilitation
		High	Spot base repair or fill holes	Spot base repair or fill holes	Fill holes and plan rehabilitation
	Many	Low	Spot base repair or fill holes	Spot base repair or fill holes	Fill holes and plan rehabilitation
		Medium	Spot base repair or fill holes	Spot base repair or fill holes	Fill holes and plan rehabilitation
		High	Spot base repair or fill holes	Spot base repair or fill holes	Fill holes and plan rehabilitation

Tyler

Predominant Crack Distress	Crack Spacing	Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Transverse Cracking	>40'	Mostly tight	Low	Strip seal	Plan seal coat	Plan seal coat
			Medium	Strip seal	Plan seal coat	Plan seal coat
			High	Strip seal	Plan seal coat, except Interstate	Plan seal coat, except Interstate
	Open, < 1/2"		Low	Crack seal	Crack seal, plan seal coat	Crack seal, plan seal coat
			Medium	Crack seal	Crack seal, plan seal coat	Crack seal, plan seal coat
			High	Crack seal	Crack seal, plan seal coat	Crack seal, plan seal coat, except Interstate
	> 1/2" or deteriorated		Low	Fill cracks with patch material if wide, patch bad areas	Fill cracks with patch material if wide, patch bad areas	Fill cracks with patch material if wide, patch bad areas
			Medium	Fill cracks with patch material if wide, patch bad areas	Fill cracks with patch material if wide, patch bad areas	Fill cracks with patch material if wide, patch bad areas
			High	Fill cracks with patch material if wide, patch bad areas	Fill cracks with patch material if wide, patch bad areas	Fill cracks with patch material if wide, patch bad areas
	Cupped or Tented		Low	If tented, mill (or just shave) tops of cracks, patch if cupped	If tented, mill (or just shave) tops of cracks, patch if cupped	If tented, mill (or just shave) tops of cracks, patch if cupped
			Medium	If tented, mill (or just shave) tops of cracks, patch if cupped	If tented, mill (or just shave) tops of cracks, patch if cupped	If tented, mill (or just shave) tops of cracks, patch if cupped
			High	If tented, mill (or just shave) tops of cracks, patch if cupped	If tented, mill (or just shave) tops of cracks, patch if cupped	If tented, mill (or just shave) tops of cracks, patch if cupped
15' - 40'	Mostly tight	Low	Strip seal	Plan seal coat	Plan seal coat	
		Medium	Strip seal	Plan seal coat	Plan seal coat	
		High	Strip seal	Plan seal coat, except Interstate	Plan seal coat, except Interstate	
	Open, < 1/2"		Low	Crack seal	Crack seal, plan seal coat	Crack seal, plan seal coat
			Medium	Crack seal	Crack seal, plan seal coat	Crack seal, plan seal coat
			High	Crack seal	Crack seal, plan seal coat	Crack seal, plan seal coat, except Interstate
	> 1/2" or deteriorated		Low	Fill cracks with patch material if wide, patch bad areas	Fill cracks with patch material if wide, patch bad areas	Fill cracks with patch material if wide, patch bad areas
			Medium	Fill cracks with patch material if wide, patch bad areas	Fill cracks with patch material if wide, patch bad areas	Fill cracks with patch material if wide, patch bad areas
			High	Fill cracks with patch material if wide, patch bad areas	Fill cracks with patch material if wide, patch bad areas	Fill cracks with patch material if wide, patch bad areas
	Cupped or Tented		Low	If tented, mill (or just shave) tops of cracks, patch if cupped	If tented, mill (or just shave) tops of cracks, patch if cupped	If tented, mill (or just shave) tops of cracks, patch if cupped
			Medium	If tented, mill (or just shave) tops of cracks, patch if cupped	If tented, mill (or just shave) tops of cracks, patch if cupped	If tented, mill (or just shave) tops of cracks, patch if cupped
			High	If tented, mill (or just shave) tops of cracks, patch if cupped	If tented, mill (or just shave) tops of cracks, patch if cupped	If tented, mill (or just shave) tops of cracks, patch if cupped
<15'	Mostly tight	Low	Strip seal	Plan seal coat	Plan seal coat	
		Medium	Strip seal	Plan seal coat	Plan seal coat	
		High	Strip seal	Plan seal coat, except Interstate	Plan seal coat, except Interstate	
	Open, < 1/2"		Low	Crack seal	Crack seal, plan seal coat	Crack seal, plan seal coat
			Medium	Crack seal	Crack seal, plan seal coat	Crack seal, plan seal coat
			High	Crack seal	Crack seal, plan seal coat	Crack seal, plan seal coat, except Interstate

Tyler (Cont)

> 1/2" or deteriorated	Cupped or Tented	Low	Blade patch	Blade patch	Blade patch
		Medium	Blade patch or mill and inlay	Blade patch or mill and inlay	Blade patch or mill and inlay
		High	Mill and inlay	Mill and inlay	Mill and inlay
	Cupped or Tented	Low	Blade patch	Blade patch	Blade patch
		Medium	Blade patch or mill and inlay	Blade patch or mill and inlay	Blade patch or mill and inlay
		High	Mill and inlay	Mill and inlay	Mill and inlay

Predominant Distress (Across)	Crack Spacing	Severity	Traffic Level or Importance	Action if Only Localized		
				Short-term Repair 1-2 Years	Long-term Treatment 3+ Years	
Longitudinal Cracking	> Lane Width	Mostly tight	Low	Observe and repair if condition deteriorates	Observe and repair if condition deteriorates	Observe and repair if condition deteriorates
			Medium	Observe and repair if condition deteriorates	Observe and repair if condition deteriorates	Observe and repair if condition deteriorates
			High	Observe and repair if condition deteriorates	Observe and repair if condition deteriorates	Observe and repair if condition deteriorates
		Open, < 1/2"	Low	Crack seal. If faulted, consider level up, but investigate slope stability	Crack seal. If faulted, consider level up, but investigate slope stability	Crack seal. If faulted, consider level up, but investigate slope stability
			Medium	Crack seal. If faulted, consider level up, but investigate slope stability	Crack seal. If faulted, consider level up, but investigate slope stability	Crack seal. If faulted, consider level up, but investigate slope stability
			High	Crack seal. If faulted, consider level up, but investigate slope stability	Crack seal. If faulted, consider level up, but investigate slope stability	Crack seal. If faulted, consider level up, but investigate slope stability
	> 1/2" or deteriorated	1 per lane	Low	Fill cracks with patch material if wide. If faulted, consider level up, but investigate slope stability	Fill cracks with patch material if wide. If faulted, consider level up, but investigate slope stability	Fill cracks with patch material if wide. If faulted, consider level up, but investigate slope stability
			Medium	Fill cracks with patch material if wide. If faulted, consider level up, but investigate slope stability	Fill cracks with patch material if wide. If faulted, consider level up, but investigate slope stability	Fill cracks with patch material if wide. If faulted, consider level up, but investigate slope stability
			High	Fill cracks with patch material if wide. If faulted, consider level up, but investigate slope stability	Fill cracks with patch material if wide. If faulted, consider level up, but investigate slope stability	Fill cracks with patch material if wide. If faulted, consider level up, but investigate slope stability
		Mostly tight	Low	Strip seal and observe	Strip seal and observe	Strip seal and observe
			Medium	Strip seal and observe	Strip seal and observe	Strip seal and observe
			High	Strip seal and observe	Strip seal and observe	Strip seal and observe
> 1/2" or deteriorated	Open, < 1/2"	Low	Crack seal and plan seal coat. If faulted, consider level up, but investigate slope stability	Crack seal and plan seal coat. If faulted, consider level up, but investigate slope stability	Crack seal and plan seal coat. If faulted, consider level up, but investigate slope stability	
		Medium	Crack seal and plan seal coat. If faulted, consider level up, but investigate slope stability	Crack seal and plan seal coat. If faulted, consider level up, but investigate slope stability	Crack seal and plan seal coat. If faulted, consider level up, but investigate slope stability	
		High	Crack seal and plan seal coat. If faulted, consider level up, but investigate slope stability	Crack seal and plan seal coat. If faulted, consider level up, but investigate slope stability	Crack seal and plan seal coat. If faulted, consider level up, but investigate slope stability	
	Mostly tight	Low	Blade patch. If faulted, consider level up, but investigate slope stability	Blade patch. If faulted, consider level up, but investigate slope stability	Blade patch. If faulted, consider level up, but investigate slope stability	
		Medium	Either blade patch or mill and inlay. If faulted, consider level up, but investigate slope stability	Either blade patch or mill and inlay. If faulted, consider level up, but investigate slope stability	Either blade patch or mill and inlay. If faulted, consider level up, but investigate slope stability	
		High	Mill and inlay. If faulted, consider level up, but investigate slope stability	Mill and inlay. If faulted, consider level up, but investigate slope stability	Mill and inlay. If faulted, consider level up, but investigate slope stability	
> 1 per lane	Low	Strip seal and observe	Strip seal and observe	Strip seal and observe		
	Medium	Strip seal and observe	Strip seal and observe	Strip seal and observe		
	High	Strip seal and observe	Strip seal and observe	Strip seal and observe		

Tyler (Cont)

Open, < 1/2"	Low	Crack seal and plan seal coat. If faulted, consider level up, but investigate slope stability	Crack seal and plan seal coat. If faulted, consider level up, but investigate slope stability	Crack seal and plan seal coat. If faulted, consider level up, but investigate slope stability
	Medium	Crack seal and plan seal coat. If faulted, consider level up, but investigate slope stability	Crack seal and plan seal coat. If faulted, consider level up, but investigate slope stability	Crack seal and plan seal coat. If faulted, consider level up, but investigate slope stability
	High	Crack seal and plan seal coat. If faulted, consider level up, but investigate slope stability	Crack seal and plan seal coat. If faulted, consider level up, but investigate slope stability	Crack seal and plan seal coat. If faulted, consider level up, but investigate slope stability
>1/2" or deteriorated	Low	Blade patch. If faulted, consider level up, but investigate slope stability	Blade patch. If faulted, consider level up, but investigate slope stability	Blade patch. If faulted, consider level up, but investigate slope stability
	Medium	Either blade patch or mill and inlay. If faulted, consider level up, but investigate slope stability	Either blade patch or mill and inlay. If faulted, consider level up, but investigate slope stability	Either blade patch or mill and inlay. If faulted, consider level up, but investigate slope stability
	High	Mill and inlay. If faulted, consider level up, but investigate slope stability	Mill and inlay. If faulted, consider level up, but investigate slope stability	Mill and inlay. If faulted, consider level up, but investigate slope stability

Predominant Distress	# Lanes	Severity	Traffic Level or Importance	Fast or Slow	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Rutting	1 Wheelpath	Low	F	Blade patch	Blade patch	Blade patch	Blade patch
			S	Blade patch	Blade patch	Blade patch	
		0.5" to 1" (Shallow)	F	Mill and inlay	Mill and inlay or microsurface	Mill and inlay or microsurface	
			S	Mill and inlay	Mill and inlay or microsurface	Mill and inlay or microsurface	
		High	F	Mill and inlay	Mill and inlay or microsurface	Mill and inlay or microsurface	
			S	Mill and inlay	Mill and inlay or microsurface	Mill and inlay or microsurface	
	> 1" (Deep)	Low	F	Blade patch	Blade patch	Blade patch	
			S	Blade patch	Blade patch	Blade patch	
		Medium	F	Either blade patch or mill and inlay	Either blade patch or mill and inlay	Either blade patch or mill and inlay	
			S	Either blade patch or mill and inlay	Either blade patch or mill and inlay	Either blade patch or mill and inlay	
		High	F	Mill and inlay	Mill and inlay	Mill and inlay	
			S	Mill and inlay	Mill and inlay	Mill and inlay	
Both Wheelpaths	0.5" to 1" (Shallow)	Low	F	Blade patch	Blade patch	Blade patch	
			S	Blade patch	Blade patch	Blade patch	
		Medium	F	Mill and inlay	Mill and inlay or microsurface	Mill and inlay or microsurface	
			S	Mill and inlay	Mill and inlay or microsurface	Mill and inlay or microsurface	
		High	F	Mill and inlay	Mill and inlay or microsurface	Mill and inlay or microsurface	
			S	Mill and inlay	Mill and inlay or microsurface	Mill and inlay or microsurface	
	> 1" (Deep)	Low	F	Blade patch	Blade patch	Blade patch	
			S	Blade patch	Blade patch	Blade patch	
		Medium	F	Either blade patch or mill and inlay	Either blade patch or mill and inlay	Either blade patch or mill and inlay	
			S	Either blade patch or mill and inlay	Either blade patch or mill and inlay	Either blade patch or mill and inlay	
		High	F	Mill and inlay	Mill and inlay	Mill and inlay	
			S	Mill and inlay	Mill and inlay	Mill and inlay	

Tyler (Cont)

Predominant Distress	# Lanes	Traffic Level Severity or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years	
Alligator Cracking	1 Wheelpath	Low	Spot reconstruct	Seal coat (grade 3), may follow with grade 4 if cracks reflect through	Seal coat (grade 3), may follow with grade 4 if cracks reflect through	
		Minor	Medium	Spot reconstruct	Seal coat (grade 3), may follow with grade 4 if cracks reflect through	Seal coat (grade 3), may follow with grade 4 if cracks reflect through
		High	Spot reconstruct	Mill and inlay	Mill and inlay	Mill and inlay
	Major	Low	Spot reconstruct	Check integrity of base layers. If OK, mill and inlay, if not reconstruct	Check integrity of base layers. If OK, mill and inlay, if not reconstruct	Check integrity of base layers. If OK, mill and inlay, if not reconstruct
		Medium	Spot reconstruct	Check integrity of base layers. If OK, mill and inlay, if not reconstruct. If seal coat pavement, Bomag and reconstruct	Check integrity of base layers. If OK, mill and inlay, if not reconstruct. If seal coat pavement, Bomag and reconstruct	Check integrity of base layers. If OK, mill and inlay, if not reconstruct. If seal coat pavement, Bomag and reconstruct
		High	Spot reconstruct	Check integrity of base layers. If OK, mill and inlay, if not reconstruct. If seal coat pavement, Bomag and reconstruct	Check integrity of base layers. If OK, mill and inlay, if not reconstruct. If seal coat pavement, Bomag and reconstruct	Check integrity of base layers. If OK, mill and inlay, if not reconstruct. If seal coat pavement, Bomag and reconstruct
Both Wheelpaths	Minor	Low	Spot reconstruct	Seal coat (grade 3), may follow with grade 4 if cracks reflect through	Seal coat (grade 3), may follow with grade 4 if cracks reflect through	
		Medium	Spot reconstruct	Seal coat (grade 3), may follow with grade 4 if cracks reflect through	Seal coat (grade 3), may follow with grade 4 if cracks reflect through	
		High	Spot reconstruct	Mill and inlay	Mill and inlay	Mill and inlay
	Major	Low	Spot reconstruct	Check integrity of base layers. If OK, mill and inlay, if not reconstruct	Check integrity of base layers. If OK, mill and inlay, if not reconstruct	Check integrity of base layers. If OK, mill and inlay, if not reconstruct
		Medium	Spot reconstruct	Check integrity of base layers. If OK, mill and inlay, if not reconstruct. If seal coat pavement, Bomag and reconstruct	Check integrity of base layers. If OK, mill and inlay, if not reconstruct. If seal coat pavement, Bomag and reconstruct	Check integrity of base layers. If OK, mill and inlay, if not reconstruct. If seal coat pavement, Bomag and reconstruct
		High	Spot reconstruct	Check integrity of base layers. If OK, mill and inlay, if not reconstruct. If seal coat pavement, Bomag and reconstruct	Check integrity of base layers. If OK, mill and inlay, if not reconstruct. If seal coat pavement, Bomag and reconstruct	Check integrity of base layers. If OK, mill and inlay, if not reconstruct. If seal coat pavement, Bomag and reconstruct

Predominant Distress	Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years	
Swell/Roughness	Some Roughness	Low	Level up	Level up	Level up	
		Medium	Level up	Level up	Level up	
		High	Level up	Level up	Level up	
	Rough	Low	Level up	Level up	Mill and inlay, if seal coat Bomag	Mill and inlay, if seal coat Bomag
		Medium	Level up	Level up	Mill and inlay, if seal coat Bomag	Mill and inlay, if seal coat Bomag
		High	Level up	Level up	Mill and inlay, if seal coat Bomag	Mill and inlay, if seal coat Bomag

Predominant Distress	Few or Many	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years	
Failures	Few	Low	Spot patch	Spot patch	Spot patch	
		Medium	Spot patch	Spot patch	Spot patch	
		High	Spot patch	Spot patch	Spot patch	
	Many	Low	Dig out and blade patch	Dig out and blade patch	Mill and inlay, if seal coat Bomag	Mill and inlay, if seal coat Bomag
		Medium	Dig out and blade patch	Dig out and blade patch	Mill and inlay, if seal coat Bomag	Mill and inlay, if seal coat Bomag
		High	Dig out and blade patch	Dig out and blade patch	Mill and inlay, or patch, or overlay, or reconstruct	Mill and inlay, or patch, or overlay, or reconstruct

Waco

Predominant Crack Distress	Crack Spacing	Crack Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years	
Transverse Cracking	>40'	Mostly tight	Low	Monitor	Monitor	Crack seal or seal coat	
			Medium	Crack seal	Crack seal or seal coat	Seal coat and overlay	
			High	Crack seal	Seal coat and overlay	Seal coat and overlay	
	Open, < 1/2"		Low	Crack seal or monitor	Monitor	Seal coat	Seal coat
			Medium	Crack seal	Crack seal	Seal coat and overlay	Seal coat
			High	Crack seal	Seal coat and overlay	Seal coat and overlay	
	>1/2" or deteriorated		Low	Crack seal or monitor	Seal coat	Seal coat or seal coat and overlay	Seal coat and overlay
			Medium	Crack seal	Seal coat and overlay	Seal coat and overlay	
			High	Patch and crack seal	Seal coat and overlay	Seal coat and overlay	
	Cupped or Tented		Low	Monitor	Monitor	Patch and seal coat	Patch and seal coat
			Medium	Patch and crack seal	Patch and seal coat	Patch, seal coat, and overlay	
			High	Patch and crack seal	Patch, seal coat, and overlay or patch and cape seal	Patch, seal coat, and overlay	
15' - 40'	Mostly tight	Low	Monitor	Monitor	Seal coat	Seal coat	
		Medium	Monitor	Crack seal	Crack seal or seal coat and overlay		
		High	Patch and crack seal	Seal coat and overlay	Crack seal or seal coat and overlay		
	Open, < 1/2"		Low	Monitor	Seal coat	Seal coat and overlay	Seal coat and overlay
			Medium	Crack seal	Crack seal or seal coat	Seal coat and overlay	
			High	Patch and crack seal	Seal coat and overlay	Seal coat and overlay	
	>1/2" or deteriorated		Low	Patch and crack seal	Patch and crack seal	Patch, seal coat, and overlay	Patch, seal coat, and overlay
			Medium	Patch and crack seal	Patch and crack seal	Patch, seal coat, and overlay	
			High	Patch and crack seal	Seal coat and overlay	Patch, seal coat, and overlay	
	Cupped or Tented		Low	Patch and crack seal	Patch and seal coat	Patch, seal coat, and overlay	Patch, seal coat, and overlay
			Medium	Patch and crack seal	Patch and seal coat	Patch, seal coat, and overlay	
			High	Patch and crack seal	Seal coat and overlay	Patch, seal coat, and overlay	
<15'	Mostly tight	Low	Seal coat	Seal coat	Seal coat and overlay	Seal coat and overlay	
		Medium	Seal coat	Seal coat	Seal coat and overlay		
		High	Patch and seal coat	Seal coat and overlay	Seal coat and overlay		
	Open, < 1/2"		Low	Patch and seal coat	Patch, seal coat and overlay	Patch, seal coat, and overlay	Patch, seal coat, and overlay
			Medium	Patch and seal coat	Patch, seal coat, and overlay	Reconstruct	
			High	Patch and crack seal	Patch, seal coat, and overlay	Reconstruct	
	>1/2" or deteriorated		Low	Patch and seal coat	Patch, seal coat and overlay	Reconstruct	Reconstruct
			Medium	Reconstruct	Reconstruct	Reconstruct	
			High	Reconstruct	Reconstruct	Reconstruct	
	Cupped or Tented		Low	Patch and crack seal	Patch, seal coat, and overlay	Reconstruct	Reconstruct
			Medium	Patch and crack seal	Patch, seal coat, and overlay	Reconstruct	
			High	Patch and crack seal	Patch, seal coat, and overlay	Reconstruct	

Waco (Cont)

Predominant Crack Spacing	Traffic Level	Action if Only	Short-term Repair	Long-term Treatment	
Distress (Across) Severity	or Importance	Localized	1-2 Years	3+ Years	
Longitudinal >Lane Width Cracking	Mostly tight	Low	Monitor	Seal coat	
		Medium	Monitor	Seal coat and overlay	
		High	Crack seal or seal coat	Seal coat and overlay	
	Open, < 1/2"	Low	Monitor	Patch and seal coat or crack seal	Seal coat and overlay
		Medium	Crack seal	Crack seal or seal coat	Seal coat and overlay
		High	Crack seal	Seal coat	Seal coat and overlay
	>1/2" or deteriorated	Low	Crack seal or seal coat	Crack seal or seal coat	Crack seal or seal coat and overlay
		Medium	Crack seal	Crack seal or seal coat	Seal coat and overlay
		High	Patch and crack seal	Crack seal or seal coat	Seal coat and overlay
	1 per lane	Mostly tight	Low	Crack seal	Crack seal or seal coat
			Medium	Crack seal or seal coat	Seal coat or overlay
			High	Crack seal or seal coat	Seal coat and overlay
Open, < 1/2"		Low	Crack seal or seal coat	Crack seal or seal coat	Seal coat
		Medium	Crack seal or seal coat	Crack seal or seal coat	Seal coat and overlay
		High	Crack seal or seal coat	Seal coat and overlay or cape seal	Seal coat and overlay
>1/2" or deteriorated	Low	Patch and seal coat	Patch and seal coat	Patch, seal coat, and overlay	
	Medium	Patch and seal coat	Patch and seal coat or patch, seal coat, and overlay	Patch, seal coat, and overlay	
	High	Patch and seal coat	Patch, seal coat, and overlay	Mill and overlay	
>1 per lane	Mostly tight	Low	Seal coat	Seal coat and overlay	
		Medium	Seal coat	Seal coat and thick overlay	
		High	Seal coat	Seal coat and thick overlay	
	Open, < 1/2"	Low	Patch and seal coat	Patch and seal coat	Rehabilitate
		Medium	Patch and seal coat	Seal coat and overlay	Rehabilitate
		High	Seal coat and overlay	Seal coat and overlay	Rehabilitate
	>1/2" or deteriorated	Low	Patch, seal coat, and overlay	Rehabilitate	Reconstruct
		Medium	Reconstruct	Reconstruct	Reconstruct
		High	Reconstruct	Reconstruct	Reconstruct

Waco (Cont)

Predominant Distress	# Lanes	Severity	Traffic Level or Importance	Fast or Slow	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Rutting	1 Wheelpath	Low	F	Fill rut	Fill rut	Fill rut	Fill rut and seal coat
			S	Monitor	Monitor	Monitor	Fill rut and seal coat
		0.5" to 1" (Shallow)	F	Fill rut	Fill rut	Fill rut and overlay	
			S	Monitor	Fill rut	Fill rut and overlay	
		High	F	Fill rut	Fill rut and seal coat	Fill rut and overlay	
			S	Fill rut	Fill rut and seal coat	Fill rut and overlay	
	> 1" (Deep)	Low	F	Fill rut	Fill rut and seal coat	Fill rut and seal coat	
			S	Monitor	Fill rut	Fill rut	
		Medium	F	Mill and fill rut	Fill rut and seal coat	Mill and overlay	
			S	Mill and fill rut	Fill rut and seal coat	Mill and overlay	
		High	F	Mill and fill rut	Fill rut and overlay	Mill and overlay	
			S	Mill and fill rut	Fill rut and overlay	Mill and overlay	
Both Wheelpaths	0.5" to 1" (Shallow)	Low	F	Fill rut	Fill rut and seal coat	Fill rut and seal coat or mill and seal coat	
			S	Monitor	Seal coat	Fill rut and seal coat or mill and seal coat	
		Medium	F	Fill rut	Fill rut and overlay	Mill and overlay	
			S	Fill rut	Fill rut and seal coat	Mill and overlay	
		High	F	Fill rut	Mill and overlay	Mill and overlay	
			S	Fill rut	Fill rut and overlay	Mill and overlay	
	> 1" (Deep)	Low	F	Fill rut	Mill and seal coat or overlay	Rehabilitate	
			S	Fill rut	Mill and seal coat	Rehabilitate	
		Medium	F	Patch	Mill and overlay	Rehabilitate or reconstruct	
			S	Patch	Mill and overlay	Rehabilitate	
		High	F	Patch	Rehabilitate	Reconstruct	
			S	Patch	Rehabilitate	Reconstruct	

Waco (Cont)

Predominant Distress	# Lanes	Traffic Level Severity or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Alligator Cracking	1 Wheelpath	Low	Monitor	Patch	Patch
		Medium	Skin patch or strip seal	Patch and strip seal	Patch and seal coat
		High	Skin patch	Patch, seal coat, and overlay	Patch, seal coat, and overlay
		Low	Skin patch	Patch and seal coat	Patch, seal coat, and overlay
		Medium	Skin patch	Deep patch and strip seal	Deep patch and overlay
		High	Deep patch	Deep patch and overlay	Deep patch and overlay
	Both Wheelpaths	Low	Monitor	Patch	Patch
		Medium	Skin patch	Patch and strip seal	Patch and seal coat
		High	Patch	Patch, seal coat, and overlay	Patch, seal coat, and overlay
		Low	Patch	Patch and seal coat	Patch, seal coat, and overlay
		Medium	Patch	Deep patch and strip seal	Deep patch and overlay
		High	Deep patch	Deep patch and overlay	Deep patch and overlay

Predominant Distress	Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Swell/ Roughness	Some Roughness	Low	Monitor	Level up	Level up and seal coat
		Medium	Monitor	Level up and seal coat	Level up, seal coat, and overlay
		High	Level up	Level up and overlay	Level up, seal coat, and overlay
	Rough	Low	Monitor	Level up and seal coat	Level up and seal coat
		Medium	Level up	Level up and overlay	Level up, seal coat, and overlay
		High	Level up	Level up and overlay	Level up, seal coat, and overlay

Predominant Distress	Few or Many	Traffic Level or Importance	Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Failures	Few	Low	Patch	Patch	Patch and seal coat
		Medium	Patch	Patch and seal coat	Patch and overlay
		High	Patch	Mill and overlay	Mill and overlay
	Many	Low	Patch	Mill and overlay	Rehabilitate
		Medium	Patch	Mill and overlay	Reconstruct
		High	Patch	Rehabilitate	Reconstruct

Wichita Falls

Predominant Crack Distress	Spacing	Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Transverse Cracking	>40"	Mostly tight	Low	Monitor	Monitor	Monitor
			Medium	Monitor	Monitor	Crack seal and strip seal
			High	Monitor	Monitor	Crack seal and strip seal
	< 1/2"	Open, < 1/2"	Low	Monitor and crack seal if nearby	Crack seal	Crack seal
			Medium	Crack seal	Crack seal	Crack seal
			High	Crack seal	Crack seal	Crack seal
	>1/2" or deteriorated	Cupped or Tented	Low	Monitor and crack fill and crack seal if nearby	Crack fill and crack seal	Crack fill and crack seal
			Medium	Crack fill and crack seal	Crack fill and crack seal	Crack fill and crack seal
			High	Crack fill and crack seal	Crack fill and crack seal	Crack fill and crack seal
	15' - 40'	Mostly tight	Low	Monitor or blade tops of cracks and level up if working nearby	Blade tops of cracks and level up	Blade tops of cracks and level up
			Medium	Transverse mill, crack fill and crack seal	Transverse mill, crack fill and crack seal	Transverse mill, crack fill and crack seal
			High	Transverse mill, crack fill and crack seal	Transverse mill, crack fill and crack seal	Transverse mill, crack fill and crack seal
>1/2" or deteriorated		Low	Monitor and crack seal if nearby	Crack seal	Crack seal	
		Medium	Crack seal	Crack seal	Crack seal and plan rehabilitation	
		High	Crack seal	Crack seal	Crack seal and plan rehabilitation	
Cupped or Tented	Low	Crack fill and crack seal	Crack fill and crack seal	Crack fill and crack seal		
	Medium	Crack fill and crack seal	Crack fill and crack seal	Crack fill and level up or core and plan major rehabilitation		
	High	Crack fill and crack seal	Crack fill and crack seal	Core and plan major rehabilitation		
<15'	Mostly tight	Low	Blade level up	Blade level if plan is to seal coat, blade tops of cracks if plan is to rebuild or resurface	Plan rehabilitation	
		Medium	Blade level up	Mill, crack seal, and seal coat	Mill surface, crack seal, and overlay	
		High	Blade level up	Mill, crack seal, and seal coat	Mill surface, crack seal, and overlay	
	Open, < 1/2"	Low	Monitor	Monitor or special crews seal coat	Monitor or special crews seal coat	State funds seal coat
		Medium	Strip seal or crack seal if working nearby	Plan seal coat	Plan seal coat	Plan seal coat
		High	Strip seal or crack seal if working nearby	Plan seal coat	Plan seal coat	Plan seal coat
	>1/2" or deteriorated	Low	Monitor and crack seal if nearby	Crack seal	Crack seal	Crack seal
		Medium	Crack seal	Crack seal	Crack seal and plan rehabilitation	
		High	Crack seal	Crack seal	Crack seal and plan rehabilitation	
	Cupped or Tented	Low	Crack fill and crack seal	Crack fill and crack seal	Crack fill and crack seal	Crack fill and crack seal
		Medium	Crack fill and crack seal	Crack fill and crack seal	Crack fill and level up or core and plan major rehabilitation	
		High	Crack fill and crack seal	Crack fill and crack seal	Core and plan major rehabilitation	
Cupped or Tented	Low	Blade level up	Blade level if plan is to seal coat, blade tops of cracks if plan is to rebuild or resurface	Plan rehabilitation		
	Medium	Blade level up	Mill, crack seal, and seal coat	Mill surface, crack seal, and overlay		
	High	Blade level up	Mill, crack seal, and seal coat	Mill surface, crack seal, and overlay		

Wichita Falls (Cont)

Predominant Distress	Crack Spacing (Across)	Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Longitudinal Cracking	> Lane Width	Mostly tight	Low	Monitor	Monitor	Monitor
			Medium	Monitor and crack seal if working nearby	Crack seal	Crack seal
			High	Monitor and crack seal if working nearby	Crack seal	Crack seal
		Open, < 1/2"	Low	Monitor and crack seal if working nearby	Crack seal	Crack seal
			Medium	Crack seal	Crack seal	Crack seal
			High	Crack seal	Crack seal	Crack seal
	1 per lane	> 1/2" or deteriorated	Low	Monitor and crack seal and level up if working nearby	Crack seal and level up	Crack seal and level up
			Medium	Crack seal and level up	Crack seal and level up	Crack seal, level up, and plan rehabilitation
			High	Crack seal and level up	Crack seal and level up	Crack seal, level up, and plan rehabilitation
		Mostly tight	Low	Monitor	Monitor	Monitor
			Medium	Monitor and crack seal if working nearby	Crack seal	Crack seal
			High	Monitor and crack seal if working nearby	Crack seal	Crack seal
Open, < 1/2"	Low	Monitor and crack seal if working nearby	Crack seal	Crack seal		
	Medium	Crack seal	Crack seal	Crack seal		
	High	Crack seal	Crack seal	Crack seal		
>1 per lane	> 1/2" or deteriorated	Low	Monitor and crack seal and level up if working nearby	Crack seal and level up	Crack seal and level up	
		Medium	Crack seal and level up	Crack seal and level up	Crack seal, level up, and plan rehabilitation	
		High	Crack seal and level up	Crack seal and level up	Crack seal, level up, and plan rehabilitation	
	Mostly tight	Low	Monitor	Monitor	Monitor	
		Medium	Monitor and crack seal if working nearby	Monitor and crack seal if working nearby	Monitor and crack seal if working nearby	
		High	Monitor and crack seal if working nearby	Monitor and crack seal if working nearby	Monitor and crack seal if working nearby	
Open, < 1/2"	Low	Monitor and crack seal if working nearby	Crack seal	Crack seal		
	Medium	Crack seal	Crack seal	Crack seal		
	High	Crack seal	Crack seal	Crack seal		
> 1/2" or deteriorated	Low	Blade level up	Blade level up	Plan rehabilitation		
	Medium	Mill and replace	Crack seal and level up	Core and plan rehabilitation		
	High	Mill and replace	Crack seal and level up	Core and plan rehabilitation		

Wichita Falls (Cont)

Predominant Distress	# Lanes	Severity	Traffic Level or Importance	Fast or Slow	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Rutting	1 Wheelpath	Low		F	Monitor	Monitor	Monitor and blade patch bad areas
				S	Monitor	Monitor	Monitor and blade patch bad areas
		0.5" to 1" (Shallow)	Medium	F	Blade tops and blade level up	Mill and maybe seal coat	Core and monitor or remove, restabilize, and replace
				S	Blade tops and blade level up	Mill and seal coat	Core and monitor or remove, restabilize, and replace
		High	F	Blade tops and blade level up	Mill and maybe seal coat	Core and monitor or remove, restabilize, and replace	
			S	Blade tops and blade level up	Mill and seal coat	Core and monitor or remove, restabilize, and replace	
	> 1" (Deep)	Low	F	Dig out and replace	Remove, restabilize, and replace	Remove, restabilize, and replace	
			S	Blade level up	Remove, restabilize, and replace	Remove, restabilize, and replace	
		Medium	F	Mill and level up	Mill and level up	Core, mill, and overlay	
			S	Blade level up	Mill and level up	Core, mill, and overlay	
		High	F	Mill and level up	Mill and level up	Core, mill, and overlay	
			S	Blade level up	Mill and level up	Core, mill, and overlay	
Both Wheelpaths	0.5" to 1" (Shallow)	Low	F	Blade patch bad areas	Blade patch bad areas	Plan overlay, blade patch bad areas	
			S	Blade patch bad areas	Blade patch bad areas	Plan overlay, blade patch bad areas	
		Medium	F	Blade tops and blade level up	Mill and maybe seal coat	Core and monitor or remove, restabilize, and replace	
			S	Blade tops and blade level up	Mill and seal coat	Core and monitor or remove, restabilize, and replace	
		High	F	Blade tops and blade level up	Mill and maybe seal coat	Core and monitor or remove, restabilize, and replace	
			S	Blade tops and blade level up	Mill and seal coat	Core and monitor or remove, restabilize, and replace	
	> 1" (Deep)	Low	F	Dig out and replace	Remove, restabilize, and replace	Remove, restabilize, and replace	
			S	Blade level up	Remove, restabilize, and replace	Remove, restabilize, and replace	
		Medium	F	Mill and level up	Mill and level up	Core, mill, and overlay	
			S	Blade level up	Mill and level up	Core, mill, and overlay	
		High	F	Mill and level up	Mill and level up	Core, mill, and overlay	
			S	Blade level up	Mill and level up	Core, mill, and overlay	

Wichita Falls (Cont)

Predominant Distress	# Lanes	Traffic Level Severity or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years	
Alligator Cracking	1 Wheelpath	Low	Monitor or fog seal if working nearby	Fog seal	Seal coat	
		Minor	Medium	Strip seal	Strip seal and plan rehabilitation	
			High	Strip seal	Strip seal	Strip seal and plan rehabilitation
			Low	Strip seal	Strip seal	Strip seal and plan rehabilitation
		Major	Medium	Strip seal	Strip seal	Strip seal and plan rehabilitation
			High	Strip seal	Strip seal	Strip seal and plan rehabilitation
	Both Wheelpaths	Low	Monitor or fog seal if working nearby	Fog seal	Seal coat	
		Minor	Medium	Strip seal	Strip seal	Strip seal and plan rehabilitation
			High	Strip seal	Strip seal	Strip seal and plan rehabilitation
			Low	Strip seal	Strip seal	Strip seal and plan rehabilitation
		Major	Medium	Strip seal	Strip seal	Strip seal and plan rehabilitation
			High	Strip seal	Strip seal	Strip seal and plan rehabilitation

Predominant Distress	Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Swell/Roughness	Some Roughness	Low	Monitor or blade level up	Monitor or blade level up	Monitor or blade level up
		Medium	Level up	Level up	Maybe level up and plan rehabilitation
		High	Level up	Level up	Level up and plan rehabilitation
	Rough	Low	Maybe blade level up	Maybe blade level up	Maybe blade level up
		Medium	Level up	Level up	Level up and overlay
		High	Level up	Level up	Level up and overlay

Predominant Distress	Few or Many	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Failures	Few	Low	Dig out and replace	Dig out and replace	Dig out and replace
		Medium	Dig out and replace	Dig out and replace	Dig out, replace, and overlay
		High	Dig out and replace	Dig out and replace	Dig out, replace, and overlay
	Many	Low	Dig out and replace	Dig out and replace	Plan rehabilitation
		Medium	Dig out and replace	Dig out and replace	Plan rehabilitation
		High	Dig out and replace	Dig out and replace	Plan rehabilitation

Yoakum

Predominant Crack Distress	Spacing	Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Transverse Cracking	>40'	Mostly tight	Low	Monitor	Monitor	Seal coat on normal schedule
			Medium	Monitor	Monitor	Seal coat on normal schedule
			High	Monitor	Monitor	Seal coat on normal schedule
		Open, < 1/2"	Low	Monitor	Monitor	Seal coat on normal schedule
			Medium	Monitor	Crack seal	Crack seal and seal coat on normal schedule
			High	Monitor	Crack seal	Crack seal and seal coat on normal schedule
		>1/2" or deteriorated	Low	Monitor	Monitor	Seal coat on normal schedule
			Medium	Fill cracks	Fill cracks	Seal coat on normal schedule
			High	Fill cracks	Fill cracks	Fill cracks
		Cupped or Tented	Low	Monitor	Monitor	Seal coat on normal schedule
			Medium	Blade mill and maybe spot seal	Blade mill and maybe spot seal	Mill and maybe spot seal
			High	Blade mill and maybe spot seal	Blade mill and maybe spot seal	Mill and maybe spot seal
15' - 40'	Mostly tight	Low	Monitor	Monitor	Monitor	Seal coat on normal schedule
			Medium	Monitor	Monitor	Seal coat on normal schedule
			High	Monitor	Monitor	Seal coat on normal schedule
		Open, < 1/2"	Low	Monitor	Monitor	Seal coat on normal schedule
			Medium	Spot seal	Crack seal	Crack seal and seal coat on normal schedule
			High	Spot seal	Crack seal	Crack seal and seal coat on normal schedule
		>1/2" or deteriorated	Low	Fill cracks	Monitor	Seal coat on normal schedule
			Medium	Fill cracks	Fill cracks	Crack fill (cold mix) abd rubberized seal coat
			High	Fill cracks	Fill cracks	Crack fill (cold mix) abd rubberized seal coat
		Cupped or Tented	Low	Monitor	Monitor	Seal coat on normal schedule
			Medium	Blade mill and spot seal	Mill cracks and rubber seal coat	Mill cracks and overlay
			High	Blade mill and spot seal	Mill cracks and rubber seal coat	Mill cracks and overlay
<15'	Mostly tight	Low	Monitor	Monitor	Monitor	Seal coat on normal schedule
			Medium	Monitor and spot seal if worsens	Monitor	Seal coat on normal schedule
			High	Spot seal or monitor	Monitor	Seal coat on normal schedule
		Open, < 1/2"	Low	Spot seal	Monitor	Seal coat on normal schedule if seal planned in less than 1-2 years, otherwise seal with state forces
			Medium	Crack seal	Crack seal	Crack seal and seal coat on normal schedule if seal planned in less than 1-2 years, otherwise seal with state forces
			High	Crack seal	Crack seal	Crack seal and seal coat on normal schedule if seal planned in less than 1-2 years, otherwise seal with state forces
		>1/2" or deteriorated	Low	Spot seal	Seal coat	Seal coat
			Medium	Crack fill (cold mix) and rubber seal coat	Crack fill (cold mix) and rubber seal coat	Crack fill (cold mix) abd rubberized seal coat
			High	Crack fill (cold mix) and rubber seal coat	Crack fill (cold mix) and rubber seal coat	Crack fill (cold mix) abd rubberized seal coat

Yoakum (Cont)

<u>Cupped or Tented</u>	Low Medium High	Crack seal Blade mill and spot seal Blade mill and spot seal	Blade mill and seal coat Mill cracks and rubber seal coat Mill cracks and rubber seal coat	Mill cracks and seal coat Mill cracks and overlay Mill cracks and overlay
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Predominant Crack Spacing Distress (Across)	Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years	
Longitudinal >Lane Width Cracking	Mostly tight	Low	Monitor	Monitor	Seal coat on normal schedule	
		Medium	Monitor	Monitor	Seal coat on normal schedule	
		High	Monitor	Monitor	Seal coat on normal schedule	
	Open, < 1/2"	Low	Monitor	Strip seal	Monitor	Seal coat on normal schedule
		Medium	Strip seal	Strip seal	Strip seal	Strip seal
		High	Strip seal	Strip seal	Strip seal	Strip seal
	>1/2" or deteriorated	Low	Crack fill and level up	Crack fill and level up	Crack fill and level up	Crack fill and level up
		Medium	Crack fill and level up	Crack fill and level up	Crack fill and level up	Crack fill and level up
		High	Crack fill and level up	Crack fill and level up	Crack fill and level up	Crack fill and level up
	1 per lane	Mostly tight	Low	Monitor	Monitor	Seal coat on normal schedule
			Medium	Monitor	Monitor	Seal coat on normal schedule
			High	Monitor	Monitor	Seal coat on normal schedule
Open, < 1/2"		Low	Monitor	Spot seal	Strip seal	Strip seal
		Medium	Spot seal	Spot seal	Crack seal	Crack seal
		High	Spot seal	Spot seal	Crack seal	Crack seal
>1/2" or deteriorated		Low	Crack fill and level up	Crack fill and level up	Crack fill and level up	Crack fill and level up
		Medium	Crack fill and level up	Crack fill and level up	Crack fill and level up	Crack fill and level up
		High	Crack fill and level up	Crack fill and level up	Crack fill and level up	Crack fill and level up
>1 per lane		Mostly tight	Low	Monitor	Monitor	Seal coat on normal schedule
			Medium	Monitor	Seal coat on normal schedule	Seal coat on normal schedule
			High	Monitor	Seal coat on normal schedule	Seal coat on normal schedule
	Open, < 1/2"	Low	Spot seal	Spot repair	Reconstruct	Reconstruct
		Medium	Spot repair	Spot repair	Reconstruct	Reconstruct
		High	Spot repair	Spot repair	Reconstruct	Reconstruct
	>1/2" or deteriorated	Low	Spot seal	Spot repair	Reconstruct	Reconstruct
		Medium	Spot repair	Spot repair	Reconstruct	Reconstruct
		High	Spot repair	Spot repair	Reconstruct	Reconstruct

Yoakum (Cont)

Predominant Distress	# Lanes	Severity	Traffic Level or Importance	Fast or Slow	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years	
Rutting	1 Wheelpath	Low	F		Blade level up	Blade level up	Blade level up	
			S		Blade level up	Blade level up	Monitor	
		0.5" to 1" (Shallow)	Medium	F		Blade level up	Blade level up	Blade level up
			S		Blade level up	Blade level up	Blade level up	
		High	F		Blade level up	Blade level up	Blade level up	
			S		Blade level up	Blade level up	Blade level up	
	> 1" (Deep)	Low	F		Blade level up	Blade level up	Blade level up	
			S		Blade level up	Blade level up	Blade level up	
		Medium	F		Blade level up	Blade level up	Bomag and replace	
			S		Blade level up	Blade level up	Blade level up	
		High	F		Blade level up	Blade level up	Bomag and replace	
			S		Blade level up	Blade level up	Blade level up	
Both Wheelpaths	0.5" to 1" (Shallow)	Low	F		Blade level up	Blade level up	Blade level up	
			S		Blade level up	Blade level up	Blade level up	
		Medium	F		Blade level up	Blade level up	Blade level up	
			S		Blade level up	Blade level up	Blade level up	
		High	F		Blade level up	Blade level up	Blade level up	
			S		Blade level up	Blade level up	Blade level up	
	> 1" (Deep)	Low	F		Blade level up	Blade level up	Bomag and replace	
			S		Blade level up	Blade level up	Blade level up	
		Medium	F		Blade level up	Blade level up	Blade level up and overlay	
			S		Blade level up	Blade level up	Blade level up and overlay	
		High	F		Blade level up	Blade level up	Blade level up and overlay	
			S		Blade level up	Blade level up	Blade level up and overlay	

Yoakum (Cont)

Predominant Distress	# Lanes	Traffic Level Severity or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years	
Alligator Cracking	1 Wheelpath	Low	Strip seal	Strip seal	Strip seal	
		Minor	Strip seal	Strip seal	Strip seal	
		High	Strip seal	Strip seal	Strip seal	
		Major	Low	Strip seal	Strip seal	Strip seal
		Medium	Remove and replace	Bomag and replace	Bomag and replace	
		High	Remove and replace	Bomag and replace	Bomag and replace	
	Both Wheelpaths	Low	Strip seal	Strip seal	Strip seal	
		Minor	Strip seal	Strip seal	Strip seal	
		High	Strip seal	Strip seal	Strip seal	
		Major	Low	Strip seal	Strip seal	Strip seal
		Medium	Remove and replace	Bomag and replace	Bomag and replace	
		High	Remove and replace	Bomag and replace	Bomag and replace	

Predominant Distress	Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Swell/ Roughness	Some Roughness	Low	Monitor	Monitor	Monitor
		Medium	Blade patch	Blade level up	Blade level up and overlay
		High	Blade patch	Blade level up	Blade level up and overlay
	Rough	Low	Blade patch	Blade patch	Blade patch
		Medium	Blade patch	Blade level up	Blade level up and overlay
		High	Blade patch	Blade level up	Blade level up and overlay

Predominant Distress	Few or Many	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Failures	Few	Low	Remove and replace	Spot repair	Spot repair
		Medium	Remove and replace	Spot repair	Spot repair
		High	Remove and replace	Spot repair	Spot repair
	Many	Low	Remove and replace	Bomag and replace	Bomag and replace
		Medium	Remove and replace	Reconstruct	Reconstruct
		High	Remove and replace	Reconstruct	Reconstruct

Airports

Predominant Crack Distress	Spacing	Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years	
Transverse Cracking	>40'	Mostly tight	Low	Monitor	Monitor	Crack seal	
			Medium	Monitor	Monitor	Crack seal	
			High	Monitor	Monitor	Crack seal or Slurry seal	
	Open, < 1/2"			Low	Monitor	Crack seal	Crack seal
				Medium	Crack seal	Crack seal	Crack seal
				High	Crack seal	Crack seal	Crack seal or seal coat or slurry seal
	> 1 / 2 " or deteriorated			Low	Crack seal	Crack seal	Crack seal
				Medium	Crack seal or crack fill	Crack seal or crack fill	Crack fill
				High	Crack seal or crack fill	Crack seal or crack fill	Crack fill or seal coat
	Cupped or Tented			Low	Crack seal	Crack fill	Crack fill
				Medium	Blade tops of cracks or crack fill	Blade tops of cracks or crack fill	Blade tops of cracks or crack fill and seal coat
				High	Blade tops of cracks or crack fill	Blade tops of cracks or crack fill	Blade tops of cracks or crack fill and seal coat
15' - 40'	Mostly tight		Low	Monitor	Fog seal	Fog seal	
			Medium	Crack seal	Fog seal	Fog seal or slurry seal	
			High	Crack seal	Fog seal or slurry seal	Fog seal or slurry seal	
	Open, < 1/2"			Low	Crack seal	Crack seal	Seal coat or slurry seal
				Medium	Crack seal	Crack seal	Seal coat or slurry seal
				High	Crack seal	Crack seal	Seal coat or slurry seal
	> 1 / 2 " or deteriorated			Low	Crack seal	Crack seal or crack fill and seal coat	Crack seal or crack fill and seal coat
				Medium	Crack seal or crack fill	Crack seal or crack fill and seal coat	Crack seal or crack fill and seal coat
				High	Crack seal or crack fill	Crack seal or crack fill and seal coat or cape seal	Crack seal or crack fill and seal coat or cape seal
	Cupped or Tented			Low	Crack seal	Crack fill	Mill and seal coat
				Medium	Blade tops of cracks or crack fill	Blade tops of cracks or crack fill	Mill and overlay
				High	Blade tops of cracks or crack fill	Blade tops of cracks or crack fill	Mill and overlay or reconstruct
<15'	Mostly tight		Low	Monitor	Seal coat	Seal coat	
			Medium	Crack seal	Seal coat or slurry seal	Seal coat or slurry seal	
			High	Crack seal	Seal coat or slurry seal	Seal coat or slurry seal or cape seal	
	Open, < 1/2"			Low	Crack seal	Seal coat or slurry seal	Seal coat
				Medium	Crack seal	Seal coat or slurry seal	Seal coat or slurry seal
				High	Crack seal	Seal coat or slurry seal	Seal coat or slurry seal or cape seal
	> 1 / 2 " or deteriorated			Low	Crack seal	Crack seal or crack fill and seal coat	Mill and seal coat
				Medium	Crack seal or crack fill	Crack seal or crack fill and seal coat	Mill and overlay
				High	Crack seal or crack fill	Crack seal or crack fill and seal coat or cape seal	Mill and overlay or reconstruct

Airports (Cont)

	Low	Crack seal	Mill and seal coat	Mill and seal coat
Cupped or Tented	Medium	Blade tops of cracks or crack fill	Mill and overlay	Mill and overlay
	High	Blade tops of cracks or crack fill	Mill and overlay or reconstruct	Mill and overlay or reconstruct

Predominant Distress	Crack Spacing (Across)	Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years	
Longitudinal Cracking	> Lane Width	Mostly tight	Low	Crack seal	Crack seal	Crack seal	
			Medium	Crack seal	Crack seal	Crack seal	
			High	Crack seal	Crack seal	Crack seal	
		Open, < 1/2"	Low	Crack seal	Crack seal	Crack seal	
			Medium	Crack seal	Crack seal	Crack seal	
			High	Crack seal	Crack seal	Crack seal	
	> 1/2" or deteriorated	1 per lane	Low	Crack seal	Crack fill	Crack fill	
			Medium	Crack fill	Crack fill	Crack fill	
			High	Crack fill	Crack fill	Crack fill	
		>1 per lane	Low	Crack seal	Crack seal	Crack seal	Seal coat or slurry seal
			Medium	Crack seal	Crack seal	Crack seal	Seal coat or slurry seal
			High	Crack seal	Crack seal	Crack seal	Seal coat or slurry seal
> 1/2" or deteriorated	>1 per lane	Low	Crack seal	Crack fill	Crack fill	Seal coat or cape seal	
		Medium	Crack fill	Crack fill	Crack fill	Seal coat or cape seal	
		High	Crack fill	Crack fill	Crack fill	Seal coat or cape seal	
	>1 per lane	Low	Crack seal	Seal coat	Seal coat	Seal coat or slurry seal	
		Medium	Crack seal	Seal coat	Seal coat	Seal coat or slurry seal	
		High	Crack seal	Seal coat	Seal coat	Seal coat or slurry seal	
> 1/2" or deteriorated	>1 per lane	Low	Crack seal	Seal coat or reconstruct	Seal coat or reconstruct		
		Medium	Crack seal	Seal coat or reconstruct	Seal coat or reconstruct		
		High	Crack seal	Bomag and overlay	Seal coat or reconstruct		

Airports (Cont)

Predominant Distress	# Lanes	Severity	Traffic Level or Importance	Fast or Slow	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years	
Rutting	1 Wheelpath	Low	F	Monitor	Monitor	Monitor	Monitor	
			S	Monitor	Monitor	Monitor		
		0.5" to 1" (Shallow)	Medium	F	Monitor	Monitor	Monitor	Monitor
			S	Monitor	Monitor	Monitor		
		High	F	Skin patch	Skin patch	Skin patch or microsurfacing	Skin patch or microsurfacing	
			S	Skin patch	Skin patch	Skin patch or microsurfacing		
	> 1" (Deep)	Low	F	Skin patch	Skin patch	Skin patch	Skin patch	
		S	Skin patch	Skin patch	Skin patch			
		Medium	F	Skin patch	Skin patch	Skin patch or microsurfacing	Skin patch or microsurfacing	
		S	Skin patch	Skin patch	Skin patch or microsurfacing			
		High	F	Dig out and patch	Dig out and patch	Microsurfacing or dig out and patch	Microsurfacing or dig out and patch	
			S	Skin patch	Skin patch	Microsurfacing or dig out and patch		
Both Wheelpaths	0.5" to 1" (Shallow)	Low	F	Monitor	Monitor	Monitor	Monitor	
		S	Monitor	Monitor	Monitor			
		Medium	F	Monitor	Monitor	Skin patch	Skin patch	
			S	Monitor	Monitor	Skin patch		
		High	F	Skin patch	Skin patch	Skin patch or microsurfacing	Skin patch or microsurfacing	
			S	Skin patch	Skin patch	Skin patch or microsurfacing		
	> 1" (Deep)	Low	F	Skin patch	Skin patch	Skin patch	Skin patch	
		S	Skin patch	Skin patch	Skin patch			
		Medium	F	Skin patch	Skin patch	Skin patch or microsurfacing	Skin patch or microsurfacing	
		S	Skin patch	Skin patch	Skin patch or microsurfacing			
		High	F	Dig out and patch	Dig out and patch	Microsurfacing or dig out and patch	Microsurfacing or dig out and patch	
			S	Skin patch	Skin patch	Microsurfacing or dig out and patch		

Airports (Cont)

Predominant Distress	# Lanes	Traffic Level Severity or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years	
Alligator Cracking	1 Wheelpath	Low	Crack seal if sealing nearby	Crack seal if sealing nearby	Dig out and patch	
		Minor	Medium	Crack seal if sealing nearby	Crack seal if sealing nearby	Dig out and patch
			High	Crack seal if sealing nearby	Dig out and patch	Dig out and patch
		Major	Low	Crack seal if sealing nearby	Crack seal if sealing nearby	Dig out and patch
			High	Dig out and patch	Dig out and patch	Dig out and patch
		Both Wheelpaths	Low	Crack seal if sealing nearby	Crack seal if sealing nearby	Dig out and patch
	Minor		Medium	Dig out and patch	Dig out and patch	Dig out and patch
			High	Dig out and patch	Dig out and patch	Dig out and patch
	Major		Low	Dig out and patch	Dig out and patch	Dig out and patch
			High	Dig out and patch	Dig out and patch	Dig out, patch, and overlay

Predominant Distress	Severity	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Swell/Roughness	Some Roughness	Low	Monitor	Monitor	Monitor
		Medium	Monitor	Blade tops and patch	Blade tops and patch
		High	Blade tops and patch	Blade tops and patch	Blade tops and patch
	Rough	Low	Monitor	Monitor	Monitor
		Medium	Blade tops and patch	Blade tops and patch	Blade tops and patch
		High	Blade tops and patch	Blade tops and patch	Blade tops and patch

Predominant Distress	Few or Many	Traffic Level or Importance	Action if Only Localized	Short-term Repair 1-2 Years	Long-term Treatment 3+ Years
Failures	Few	Low	Dig out and patch	Dig out and patch	Dig out and patch
		Medium	Dig out and patch	Dig out and patch	Dig out and patch
		High	Dig out and patch	Dig out and patch	Dig out, patch, and overlay
	Many	Low	Dig out and patch	Dig out and patch	Dig out and patch
		Medium	Dig out and patch	Dig out, patch, and overlay	Dig out, patch, and overlay
		High	Dig out and patch	Dig out, patch, and overlay	Dig out, patch, and overlay

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