

APPENDIX A      DESCRIPTIONS OF PAVEMENT DISTRESS

### **Descriptions of Pavement Distress**

A (C1): Parallel cracking, one pothole patch that is failing, and one pothole at the west bound entrance of the shopping center.

A1 & A2 (C2): Parallel depressions with multiple stress cracks on both sides of the highway. Parallel cracking along westbound shoulder line, steep slope on the outer bank of west bound traffic.

A3 (C3): Multiple depressions with stress cracking along tire tracks of west bound traffic.

A4: Depression with stress cracking along east bound shoulder.

A5: Depression with pot hole patching and stress cracking along west bound shoulder.

A6: Depression with pot hole patching and stress cracking along east bound shoulder.

A7: Parallel depressions with lots of stress cracking in the path of tire tracks of west bound traffic.

A8 (C4): Lots of flat alligator cracking, patching failure along a stretch of the shoulder of West bound traffic.

A9: Depression with alligator cracking on eastbound shoulder.

A10(C5): Depressions and stress cracking parallel to tire tracks of westbound traffic, perpendicular to depressions are noticeable cracks along the edge of the crosswalk.

A11 (C6): Depressions with stress cracking along west bound shoulder, flaring cracks extending into the intersection. Also, pavement blocks that extend into east bound lane with more elongate stress cracks.

A12: Alligator cracking along east bound shoulder.

A13 (C7): Long alligator cracks w/ light depressions along the centerline.

A14: Slight depression with alligator cracking along east and west bound shoulders.

A15: Slight depression with alligator cracking along east and west bound shoulders.

A16 (C8): Light long parallel along the centerline and shoulders of east and west bound shoulders. (Alligator cracking along utility repair on west bound shoulder).

A17: Long thin stress cracking along west bound shoulder.

A18: Two small areas with significant cracking and missing chunks of AC along east bound shoulder.

A19: Long pavement cracks and a 3 ft by 3 ft pavement patch that is failing, along east bound shoulder.

A20: Moderate cracking, settling of pavement, and two unfilled potholes in east bound lane.

A21 (C9): Parallel cracks that are perpendicular to the west bound shoulder at bus turnout.

A22: Cracking utility repair with missing chunks of AC along east bound shoulder.

A23: Pavement cracking along west bound shoulder.

A24: Pavement cracking along west bound shoulder.

A25: Circular cracking around manhole with missing AC chunks in the center of the east bound lane.

(C10): Area where paving appears to be in good shape, AC is dark brown to black.

A26: Long utility line patch with parallel and perpendicular cracking to the long axis along east bound shoulder.

A27: Settling pot hole patch with missing AC chunks near west bound shoulder.

A28: Pavement cracking and depressions along west bound shoulder.

A29: Pavement cracking and depressions along west bound shoulder.

A30 (C11): Extensive pavement cracking and depressions along west bound shoulder.

A31: Small amount of pavement cracking along east bound shoulder.

A32 (C12): Long pavement cracking with two pot holes that have been patched, but are failing, along west bound shoulder

A33: Some Parallel cracking that is perpendicular to east bound shoulder.

A34: Pavement cracking that runs parallel to east bound centerline.

A35: Pavement cracking and a settling pot hole patch that is missing chunks of AC near west bound shoulder.

A36: Some pavement cracking that is perpendicular to the west bound shoulder.

A37: Some pavement cracking that is outside of the east bound shoulder line.

A38 (C13 & C14): A long stretch of pavement cracking along the east bound shoulder that butts into a long pavement patch that is missing pavement chunks.

A39: Paving patch that is beginning to crack and settle along east bound shoulder.

A40: Paving cracking that is beginning settle along east bound shoulder.

A41 (C15): Pavement patch that is beginning crack along both ends on the east bound shoulder.

A42: Four potholes at the entrance to the polo field.

A43 (C16): Cracking pavement patches that are settling along east bound shoulder and along west bound shoulder.

A44: Pavement cracking along the shoulder and turning lane of east bound traffic.

A45: Pavement cracking along centerline of west bound traffic.

A46: Pavement cracking and pothole repair at the entrance to Waimanalo Bay.

A47: Parallel pavement cracks along the edge of the east bound bus pullover.

A48: Small depression with circular cracking along east bound shoulder.

A49: Small depression with pavement cracking along west bound shoulder.

A50: Pavement patch that is settling with cracking along east bound shoulder.

A51: Pavement patch with cracks and two potholes along west bound shoulder.

A52 (C17): Moderate pavement depression with cracking, missing chunks of AC, and pavement patch failure.

A53: Moderate pavement depression with cracking, missing chunks of AC, and pavement patch failure.

A54: Moderate pavement depression with cracking, missing chunks of AC, and pavement patch failure.

A55 (C18): Moderate pavement depression with cracking, missing chunks of AC, and pavement patch failure.

A56: Moderate pavement depression with cracking, missing chunks of AC, and pavement patch failure.

A57 (C19): Moderate pavement depression with cracking, missing chunks of AC, and pavement patch failure.

A58: Two small patches with cracking, three potholes, all outside of east bound shoulder.

A59: Thin pavement cracking along the ocean side entrance to Aloiloi St.

A60: Alligator cracking along the front of the east bound bus pullout.

A61: Cracking on a utility line repair and four pot holes outside of west bound shoulder.

A62: Thin cracking along west bound shoulder.

A63: Pavement patch with cracking and settlement along west bound shoulder.

A64: Pavement patch with cracking and settlement along west bound passenger tire line.

(C20): Area where paving appears to be in good shape, AC is dark brown to black.

A65: Four small pavement patches and thin cracking along west bound shoulder.

A66: Two strips of cracking that are parallel to the west bound shoulder.

A67: A small pot hole on the outer edge of the west bound shoulder.

A68: Thin cracking on the west bound shoulder.

A69: Thin pavement cracking along the east bound centerline.

A70: Thin pavement cracking near the west bound centerline.

A71: Paving that is performing well between Aloiloi St. and Ehukai St.

A72: Light to moderate pavement cracking (~10 ft x 1 ft) along east bound shoulder, has one small AC patch repair.

A73: Very light pavement cracking (~1 ft x 1 ft).

A74: Light to moderate pavement cracking (~8 ft x 1 ft) along east bound shoulder.

A75: Light to moderate pavement cracking with AC patch overlays along east bound shoulder.

A76: Pavement patch at entrance of Puuone St., parallel to Kal Hwy west bound shoulder. Patch is in good condition.

A77: Cracking along outer shoulder and at overlay of Oluolu St. Looks like overlay should extend further into Kal Hwy.

A78: Moderate pavement cracking with AC patch along east bound shoulder.

A79: light to moderate pavement cracking with missing AC chunks and a failing AC patch along east bound shoulder.

A80: Pavement depression with cracking and AC patches in parallel saw cuts along east bound shoulder (looks like utility repair).

A81: Light to moderate pavement cracking with missing AC chunks near centerline of east bound lane.

A82: Failed AC overlay, missing a 1 ft by 1 ft chunk of AC along east bound centerline, AC cracking and AC patch ~ 5 ft away.