

APPENDIX D

AUTOMATED PAVER REPORTS

DESCRIPTION AND USE

D-1. Report title: LIST

a. Description. The LIST report is a printout of the names and numbers for the branches of the pavement network in alphabetical order by branch name.

b. Contents. The report contains branch numbers, branch names, and number of sections for each branch.

c. Uses. The report is used to determine what branch number has been assigned to a particular street, and the number of sections for any branch.

D-2. Report title: INV

a. Description. This report provides an inventory of pavement sections for a given network.

b. Contents. The report identifies each section and provides section location, surface type, branch use, pavement rank, area and total branch area.

c. Uses. The report is used to obtain general information about a section, including the beginning and ending points and total area for a given branch.

D-3. Report title: RECORD (Format 1)

a. Description. This report provides comprehensive information about a selected pavement section.

b. Contents. The report contains section identification, section dimensions, shoulder identification, drainage identification, secondary structure identification, work history, pavement structure, layer material properties, results of surveys, and proposed future work for the pavement section.

c. Uses. The report is used to obtain detailed information necessary when considering repair work to be performed in the section.

D-4. Report title: RECORD (Format 2)

a. Description. This report provides specific information about a number of pavement sections, such as structural drainage, or shoulder information.

b. Contents. The report may contain, depending on the record selected, full section identification and dimensions with pavement structural information; or

drainage information; or traffic or layer material property information; or a work history for the pavement.

c. Uses. The report is used to obtain information needed for scheduling and planning major work efforts or whenever specific information about all sections of a facility is needed.

D-5. Report title: INSPECT

a. Description. The report contains section identification, PCI value, inspection date, distress type, severity, and quantity for the entire section.

b. Contents. The report contains section identification, PCI value, inspection date, distress type, severity, and quantity for the entire section.

c. Uses. The report is used to determine pavement condition and distress types, severities, and quantities for a given pavement section(s) and/or to determine history of pavement condition for the pavement in order to perform a desk estimate of needed maintenance and repair costs for a given pavement.

D-6. Report title: SAMPLE

a. Description. This report is used to obtain inspection results for each section detailed by sample units.

b. Contents. The report contains sample unit number, sample type, distress type, severity, quantity, density-percent, sample size, sample PCI, and overall PCI and distress for the pavement section.

c. Uses. The report is used to determine where a distress type exists in a pavement section; to monitor change in condition for a given sample unit; and to identify variation in condition within a given pavement section.

D-7. Report title: PCI & PCIA

a. Description. This report provides a list of sections and PCI values based on last inspection results

for selected pavements. The PCI report lists the sections in order of increasing PCI. The PCIA report lists the sections in alphabetical order.

b. Contents. The report identifies each pavement section and provides section location, section number, PCI value, date of last inspection, surface type, section area, and pavement rank.

c. Uses. The report is used to identify pavement sections in a given PCI range; to determine priorities of maintenance and repair; to develop annual and long range work plan.

D-8. Report title: PCI DISTRIBUTION

a. Description. The report provides the user with a frequency diagram of the PCIs for specific branch uses, pavement rank, and surface type. A listing of the sections is also available. The distribution can be of the current year or any year in the future. If future years are selected the PCI is predicted by straight line extrapolation assuming no overlays or reconstruction are performed.

b. Contents. The report contains branch use(s), pavement rank(s), and surface type(s) PCI prediction year and PCI range.

c. Uses. The report is used to justify budget requests. Report presents distribution of PCI of pavement sections selected; the change of this distribution over a period of time, assuming no overlays or reconstruction can be seen by selecting the year(s) into the future desired.

D-9. Report title: PAVEMENT CONDITION HISTORY

a. Description. The report provides the condition history for a specific pavement section. It plots the PCI-time curve. The PCI is projected 5 years into the future beyond the last inspection date.

b. Contents. The report contains the branch name, pavement rank, section number, section area, and PCI-time plot.

c. Uses. The report is used to assist in justification of a repair project for a specific pavement section.

D-10. Report title: WORKHIS

a. Description. This report provides a record of past maintenance and repair performance on any pavement section.

b. Contents. The report contains a list of work completed with description, manner of accomplishment of that work, material code for the material used, date work was completed, in place unit cost and total repair cost.

c. Uses. The report is used to find what past work has been performed on a pavement section, and to determine the past cost invested in repair of a pavement section.

D-11. Report title: POLICY

a. Description. This report provides lists of maintenance policy proposed for all sections, including estimated unit costs for work proposed, material to be used, distress and repair types, distress severity, and total estimated cost of repair.

b. Contents. The report contains distress type, severity, repair type, material used, unit costs, and total cost of repair.

c. Uses. The report is used to schedule maintenance and repair work; to develop annual and long range work plans; and to estimate budget requirements.

D-12. Report title: WORKREQ

a. Description. This report provides lists identifying maintenance and repair requirements for specified sections. Included are time and cost estimates, and priority for the work required.

b. Contents. The report contains type of work proposed and distress to be repaired, quantity of work, estimated labor and material costs, material to be used, estimated total cost, priority, fiscal year for work proposed, and whether work has been financed.

c. Uses. The report is used to keep inventory of work proposed and completed; to develop estimates for financing future work; and to develop annual work plans, and long range work plans.

D-13. Report title: BUDGET

a. Description. This report provides the user with a 10-year projected budget level for any combination of branch use, pavement rank, and surface type selected. The budget level is projected based on an average cost of repair for the surface type (i.e., AC or PCC). The year to repair is determined by projecting the minimum PCI level specified by the user.

b. Contents. The report contains branch use, surface type, pavement rank, and cost of repair for each fiscal year (10 years from present). A listing of sections projected to be repaired each year can also be obtained.

c. Uses. The report is used to provide an estimate of the budget level necessary to maintain the pavement system above an acceptable minimum condition, based on an average cost.