

TRB ACRP Report 117

TRB ACRP Report 117: Airport Escalators and Moving Walkways - Cost-Savings and Energy Reduction Technology Manual

Official Instruction Manual

1. INTRODUCTION

This manual provides guidance for utilizing the TRB Airport Cooperative Research Program (ACRP) Report 117, titled "Airport Escalators and Moving Walkways—Cost-Savings and Energy Reduction Technologies." The report offers a systematic methodology for identifying, evaluating, and selecting technologies aimed at reducing costs and energy consumption in airport escalators and moving walkways. A supplemental spreadsheet tool, CRP-CD-156, is included with the hardcopy of the report.

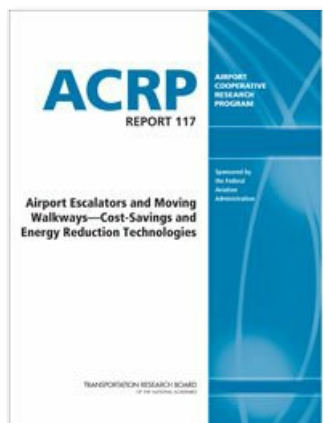


Figure 1: Cover of ACRP Report 117. This image displays the front cover of the research report, featuring the title "Airport Escalators and Moving Walkways—Cost-Savings and Energy Reduction Technologies" and the ACRP Report 117 designation.

2. SETUP AND ACCESSING SUPPLEMENTAL MATERIAL

2.1. Accessing the Report

The primary content is available in the hardcopy of ACRP Report 117. Please refer to the physical

document for detailed research findings and recommendations.

2.2. Supplemental CD-ROM (CRP-CD-156)

The supplemental material, CRP-CD-156, is a CD-ROM containing a spreadsheet tool. This CD-ROM is physically bound within the hardcopy of the report.

1. **Locate the CD-ROM:** Open the hardcopy of ACRP Report 117 and locate the bound CD-ROM, typically found in a sleeve or pocket at the back of the report.
2. **Insert CD-ROM:** Insert the CRP-CD-156 CD-ROM into a compatible CD/DVD drive on your computer.
3. **Access Files:**
 - **Windows:** The CD-ROM should auto-run or appear as a drive in "This PC" or "My Computer." Double-click the drive icon to browse its contents.
 - **macOS:** The CD-ROM icon will appear on your desktop. Double-click it to open the folder and access the files.
4. **Open Spreadsheet Tool:** Locate the spreadsheet file (e.g., an Excel file) within the CD-ROM contents and open it using appropriate software (e.g., Microsoft Excel, LibreOffice Calc).

Note: Ensure your computer has the necessary software to open spreadsheet files.

3. OPERATING INSTRUCTIONS FOR THE SPREADSHEET TOOL

The spreadsheet tool on CRP-CD-156 is designed to assist in the evaluation and selection of cost-saving and energy reduction technologies. Follow the instructions provided within the spreadsheet itself for optimal use.

3.1. Navigating the Spreadsheet

- **Worksheets:** The spreadsheet may contain multiple worksheets. Review any "Read Me" or "Instructions" tabs first.
- **Input Fields:** Identify designated input cells, typically highlighted or clearly labeled, where you can enter data relevant to your airport's specific escalators and moving walkways.
- **Calculated Results:** Output cells will display calculated results based on your inputs, providing insights into potential cost savings and energy reductions.

3.2. Data Entry Guidelines

- Enter data accurately to ensure reliable results.
- Refer to the main ACRP Report 117 for definitions, methodologies, and context for the data required by the spreadsheet.
- Do not modify formulas or protected cells within the spreadsheet, as this may compromise its functionality.

4. MAINTENANCE AND CARE

4.1. Report Care

- Store the hardcopy report in a dry, cool place away from direct sunlight to prevent degradation of

paper and binding.

- Handle pages carefully to avoid tears or damage.

4.2. CD-ROM Care

- Keep the CD-ROM in its protective sleeve when not in use to prevent scratches.
- Clean the CD-ROM with a soft, lint-free cloth, wiping from the center outwards, if smudges or dust are present.
- Avoid touching the data side of the CD-ROM.
- Consider creating a backup copy of the spreadsheet tool files from the CD-ROM to your computer's hard drive for easier access and data preservation.

5. TROUBLESHOOTING

5.1. CD-ROM Not Reading

- **Check Drive:** Ensure the CD-ROM is inserted correctly into a functional CD/DVD drive.
- **Clean CD-ROM:** Inspect the CD-ROM for scratches or smudges. Clean gently if necessary.
- **Try Another Drive:** If possible, attempt to read the CD-ROM on a different computer or drive.

5.2. Spreadsheet Tool Issues

- **Software Compatibility:** Ensure you have a compatible spreadsheet program installed (e.g., Microsoft Excel 2007 or newer).
- **Enable Macros/Content:** If prompted, enable macros or active content when opening the spreadsheet, as some functionalities may rely on them.
- **Refer to Report:** For questions regarding the methodology or interpretation of results, consult the relevant sections of the ACRP Report 117.

6. SPECIFICATIONS

Report Title	Airport Escalators and Moving Walkways—Cost-Savings and Energy Reduction Technology
Report Number	ACRP Report 117
Publisher	TRB (Transportation Research Board)
Supplemental Material	CRP-CD-156 (Spreadsheet Tool on CD-ROM)
Date First Available	February 12, 2016
ASIN	B01BOD48D6

7. SUPPORT AND FURTHER INFORMATION

For further information regarding ACRP Report 117 or other publications by the Transportation Research

Board (TRB), please visit the official TRB website or contact their support channels.

- **Publisher:** TRB (Transportation Research Board)
- **Official Website:** www.trb.org
- **General Inquiries:** Refer to the TRB website for contact information.

Note: This report is a research publication. Technical support for the content or methodology should be directed to the Transportation Research Board.