

TABLE OF CONTENTS

Glossary	ii
Executive Summary	v
1.0 Introduction	1
1.1 Problem Statement	1
1.2 Project Goals	1
1.3 Research Methodology and Tasks	1
2.0 Project Overview	4
2.1 Overview of the Roles and Recommendations of the Department of Statistics	4
2.2 Overview of the Role of the Institution for Transportation Research and Education	5
2.3 Creating the Interactive ArcView Application	6
3.0 The Customized ArcView Interface	7
3.1 The Flow of Data Between MS-Access and the ArcView Interface	7
3.1.1 The Access PTC Inventory Database Table	8
3.1.2 Selecting PTC Sites by County: Creating <i>Qtable</i>	11
3.1.3 Editing the PTC Inventory Table: The PGA Update Dialog Box	12
3.1.4 Accepting Site PGA Values from the View GUI	19
3.2 Hot Links for Site SAS JMP Output Images	19
3.3 Seasonal Profile Images	20
3.4 Visual Guidance: Interactive Locator Map and Annotation	21
Attachments	
Attachment A - Recommendations from the NCSU Dept. of Statistics	23
Attachment B - Justification request for rewording of Project Task 2	27
Attachment C - Dr. Johnson's SAS JMP Analysis Procedures	30
Attachment D - Alpha Version Application Creation Procedures	33
Attachment E - Beta Version Design Notes	36
Attachment F - Initial Program Setup Procedures	40
Supplements	
Supplement A	
Supplement B	