



STATE STREET / IRVINE AVENUE BUSINESS CORRIDOR STUDY

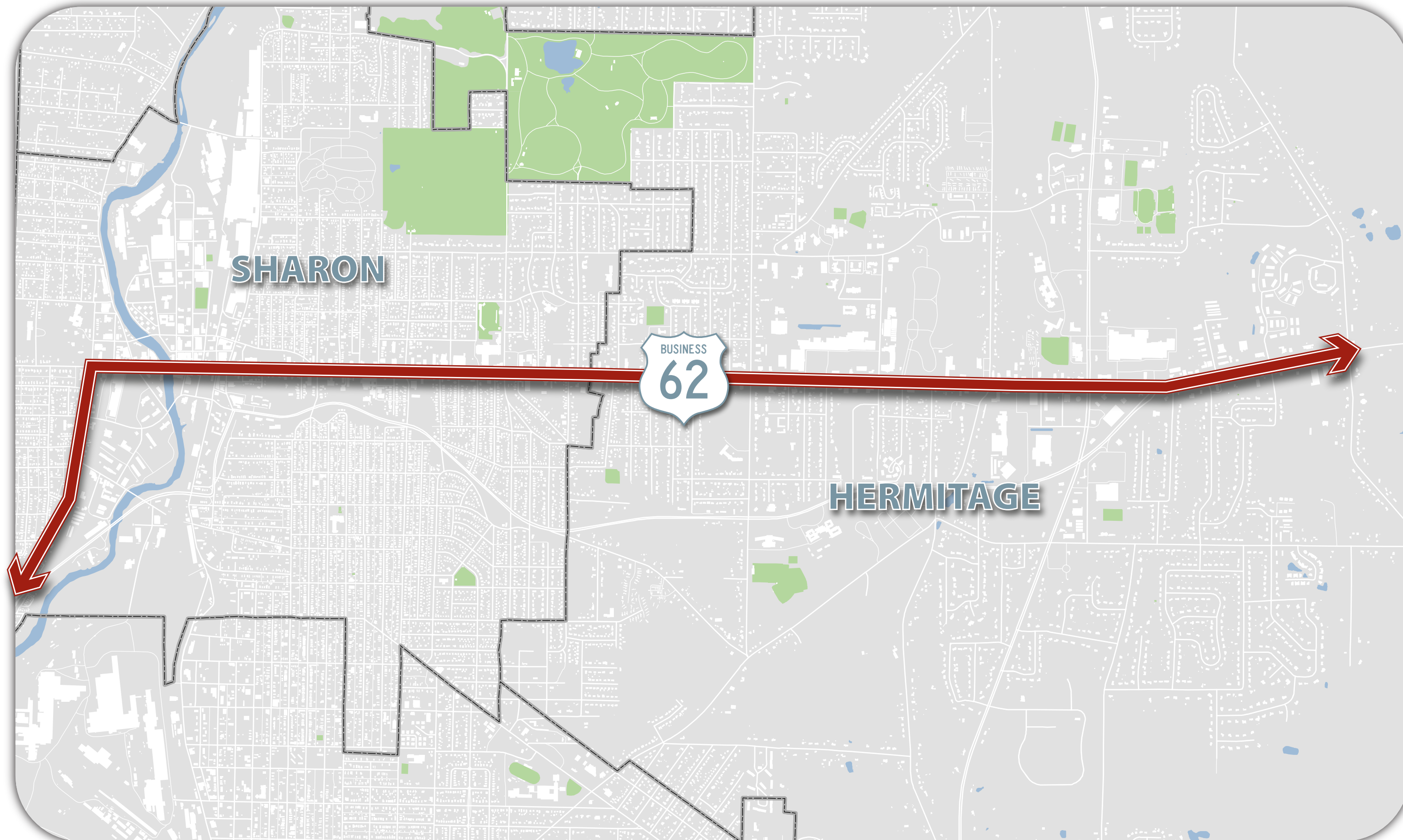
FINAL REPORT

DECEMBER 2012

PREPARED FOR:
MERCER COUNTY REGIONAL PLANNING COMMISSION
CITIES OF SHARON AND HERMITAGE
MERCER COUNTY, PENNSYLVANIA

PREPARED BY:







BUSINESS ROUTE 62 CORRIDOR STUDY

CITY OF SHARON - MERCER COUNTY PENNSYLVANIA - CITY OF HERMITAGE



ACKNOWLEDGEMENTS

THE PLANNING TEAM WOULD LIKE TO THANK THE FOLLOWING PARTICIPANTS FOR THEIR DEDICATION OF TIME AND ENERGY TO THE PLANNING AND IMPLEMENTATION OF THIS PROJECT

BUSINESS ROUTE 62 CORRIDOR STUDY STEERING COMMITTEE

ERIN WILEY-MOYERS, TRANSPORTATION PLANNER, PENNDOT 10
JEREMY COXE, COMMUNITY PLANNER, CITY OF HERMITAGE
MARCIA HIRSCHMANN, DIRECTOR, CITY OF HERMITAGE
DAN GRACENIN, EXECUTIVE DIRECTOR, MCRPC/SVATS MPO
MATT STEWART, SENIOR PLANNER, MCRPC/SVATS MPO
NICK BARON, MEMBER, CITY OF SHARON CEDC
JOHN EVANS, CHAIR, CITY OF SHARON CEDC
DUANE PICCIRILLI, VICE PRESIDENT, CITY OF HERMITAGE BOARD OF COMMISSIONERS
ANGELA PALUMBO, DIRECTOR, PA CAREER LINK OF MERCER COUNTY
BOB FISCUS, OUTGOING MANAGER, CITY OF SHARON
SCOTT ANDREJCHAK, MANAGER, CITY OF SHARON
JACK JANOSO, PRESIDENT, SHARON REGIONAL HEALTH SYSTEM
JOHN SARANDREA, SUPERINTENDENT, CITY OF SHARON SCHOOL DISTRICT
DR. THOMAS HAWKINS, EXECUTIVE VICE PRESIDENT, SHENANGO VALLEY INITIATIVE

IN ADDITION, THE STUDY TEAM WOULD LIKE TO THANK PENN STATE SHENANGO CAMPUS

STUDY PREPARATION TEAM/CONSULTANTS

STEPHEN FERRANTI, PRINCIPAL, SRF & ASSOCIATES
AMY DAKE, PROJECT MANAGER, SRF & ASSOCIATES
MATT INGALLS, PRINCIPAL, INGALLS PLANNING & DESIGN
JOHN STEINMETZ, PRINCIPAL, STEINMETZ PLANNING GROUP

FUNDING FOR THIS PROJECT WAS PROVIDED THROUGH A PENNSYLVANIA COMMUNITY TRANSPORTATION INITIATIVE (PCTI) GRANT



Table of Contents

Executive Summary	vi
Section I. Introduction	1
Why Do We Need A Study?	3
Community Background and Study Area Description	3
Where Do We Stand...Where Are We Going?	4
Position Statements, Visions, Goals	4
Getting Involved	5
How Do We Measure Success?	5
Section II. Inventory and Analysis	7
Community Character Areas/Zones	8
Recent Plans/Studies	12
Existing Land Use Patterns and Current Zoning	16
Existing Transportation Inventory	25
Analyses of Existing Conditions	44
Future Land Use & Build-Out Analysis	54
Future Traffic Analysis	57
Section III. Needs and Opportunities Assessment	61
Transportation Issues	62
Quality of Service/Character Issues	64
Zoning & Regulatory Needs & Opportunities	66
Programmatic Opportunities	67
Public Outreach Results	70
Key Issues and Opportunities Summary	76
Section IV. Alternatives and Recommendations	85
Access Management	86
Roadways, Intersections & Gateways	92
Economic Development	104
Pedestrian & Bicycle Improvements	132
Section V. Cost Estimates, Implementation & Funding	141
Cost Estimates	142
Implementation	143
Funding Opportunities	144
References	147

List of Tables

Table 1 - Context Zone Descriptions	9
Table 2 - Off-street Parking Requirements	23
Table 3 - Bike/Ped Levels of Service	52
Table 4 - Crosswalk Levels of Service	52
Table 5 - Trip Generation for Potential Development	57
Table 6 - Crash Rate per Zone	62
Table 7 - Measures of Effectiveness	92
Table 8 - Cost Estimates	142
Table 9 - Recommendations, Implementation, and Funding	143

List of Figures

Figure 1 - Context Zone Transitions	8
Figure 2 - Urban to Rural	8
Figure 3 - Character Zones	11
Figure 4 - Existing Land Use	17
Figure 5 - Existing Zoning (City of Sharon)	18
Figure 6 - Existing Zoning (City of Hermitage)	21
Figure 7 - Figure/Ground Diagram	24
Figure 8 - Functional Road Classification	25
Figure 9 - Cross-section (Zone 1)	26
Figure 10 - Cross-section (Zone 2)	27
Figure 11 - Cross-section (Zone 3)	28
Figure 12 - Cross-section (Zone 4)	29
Figure 13 - Cross-section (Zone 5)	30
Figure 14 - Cross-section (Zone 6)	31
Figure 15 - Street Pattern Diagram	32
Figure 16 - Sidewalks (Zone 1)	33
Figure 17 - Sidewalks (Zone 2)	33
Figure 18 - Sidewalks (Zone 3)	33
Figure 19 - Sidewalks (Zone 4)	33
Figure 20 - Sidewalks (Zone 5)	33
Figure 21 - Sidewalks (Zone 6)	33
Figure 22 - Sidewalks (City of Sharon)	34
Figure 23 - Sidewalks (City of Hermitage)	35
Figure 24 - Bike Routes	36
Figure 25 - Transit (Northern Route)	37
Figure 26 - Transit (Central Route)	37
Figure 27 - Transit (Southern Route)	37

List of Figures Continued on Opposite Page →



Figure 28 - SRTS (West Hill)	38
Figure 29 - SRTS (Case/Sharon)	39
Figure 30 - Downtown Sharon Parking Inventory	40
Figure 31 - ADT Volumes	41
Figure 32 - Turning Movement Counts (Euclid/Stambaugh Ave to Ohio State Line)	42
Figure 33 - Turning Movement Counts (Keel Ridge Rd to Euclid/Stambaugh Ave)	43
Figure 34 - Level of Service (Euclid/Stambaugh Ave to Ohio State Line)	44
Figure 35 - Level of Service (Keel Ridge Rd to Euclid/Stambaugh Ave)	45
Figure 36 - Travel Time (EB)	46
Figure 37 - Travel Time (WB)	47
Figure 38 - Crash Summary by Segment	48
Figure 39 - Crash Rate	49
Figure 40 - Access Management (Zone 1)	51
Figure 41 - Access Management (Zone 2)	51
Figure 42 - Access Management (Zone 3)	51
Figure 43 - Access Management (Zone 4)	51
Figure 44 - Access Management (Zone 5)	51
Figure 45 - Access Management (Zone 6)	51
Figure 46 - Bike/Ped Levels of Service	53
Figure 47 - Future Land Use	55
Figure 48 - Future Level of Service (Euclid/Stambaugh Ave to Ohio State Line)	58
Figure 49 - Future Level of Service (Keel Ridge Rd to Euclid/Stambaugh Ave)	59
Figure 50 - Key Findings (Zone 1)	78
Figure 51 - Key Findings (Zone 2)	79
Figure 52 - Key Findings (Zone 3)	80
Figure 53 - Key Findings (Zone 4)	81
Figure 54 - Key Findings (Zone 5)	82
Figure 55 - Key Findings (Zone 6)	83
Figure 56 - Access Management Plan (Zone 3)	87
Figure 57 - Shenango Valley Freeway Gateway	93
Figure 58 - Irvine Avenue Gateway	95
Figure 59 - Stambaugh / Euclid Avenues Intersection Improvements	96
Figure 60 - Buhl Farm Drive Intersection Improvements	97
Figure 61 - Kerrwood Drive Intersection Improvements	98
Figure 62 - Ellis Avenue Intersection Improvements	99
Figure 63 - Hermitage Road Intersection Improvements	100
Figure 64 - Improved Safety Transition / Road Diet Cross-Section	102
Figure 65 - Improved Safety Transition / Road Diet Graphic	103
Figure 66 - Sharon Downtown Plan Recommendations	105
Figure 67 - Pedestrian & Bicycle Linkage Plan	132
Figure 68 - SRTS Case Elementary / Sharon Middle School	134
Figure 69 - SRTS West Hill Elementary	135
Figure 70 - Hospital Zone Recommendations	139

List of Charts

Chart 1 - Business Route 62 Corridor Study Planning Process and Timeline	3
Chart 2 - Crash Rate	49
Chart 3 - Access Density per Zone	50
Chart 4 - Walk Potential vs. Deficiency	62
Chart 5 - Movement vs Sense of Place Results	71
Chart 6 - Survey Results Sorted by Priority	73

