

ADDENDUM TO THE 2017-2021 SHIAWASSEE COUNTY PARKS, RECREATION AND OPEN SPACE PLAN

BICYCLING TO DESTINATIONS IN SHIAWASSEE COUNTY

Introduction. There are many existing alternatives for bicycling in Shiawassee County. There are many opportunities to improve biking in the County. Good information is a helpful start. Experienced, dedicated riders offer knowledge about routes for various purposes. Three specific examples are:

1) The Shiawassee Freewheelers, a loosely knit group of bicycling advocates published a route guide as long ago as the mid-1980's. These looped rides for the high-end bikers averaged 6 to 100 miles in length.

2) A free shareware called "Map My Ride" offers local routes from individuals; use of its search engine with 'Shiawassee' or 'Owosso' will reveal some preferred recreational routes.

3) The County Parks and Recreation Commission has adopted bicycle routes at County parks that are both recreational loops averaging 5 to 6 miles and destination routes to or from other public open space areas or municipalities with services, points of interest and parks.

Together with the three above examples of recreational routes, the present effort is to identify non-motorized networks (both roads and trails) that connect urban areas and open spaces.

The goal to improve non-motorized transportation often falls on bicycling activity. Walking and hiking pathways, sidewalks or trails are the alternative means of travel in the non-motorized "getting from here to there" context. On a county level scale the bicycle is a best fit. At a more local level, the sidewalk option is to extend sidewalks at select locations beyond city and village limits to the urban fringe to access destinations or to offer a longer walk/hike for exercise. A good example of how this works is evidenced in the Village of Ovid where residents walk the new CIS rail trail well beyond the village limits for exercise and enjoyment. These sidewalks, trails and pathways are not mapped in the current effort but should be placed on the "to do" list of an advocacy and group such as the Shiawassee County Live Healthy Coalition.

A bike ride's purposes are varied. They may be: a) functional non-motorized transportation (errands, work, & visits); b) recreational outings; c) bicycle touring; d) exercise, or; e) a blend of reasons for cycling. The plan's County road and trail system offers a variety of bicycling surfaces and routes for most age groups and purposes. The needs to improve bicycling routes are challenging and a call for patience over time to advance a comprehensive system. This writing attempts to secure the most favorable developments for upgrading the system. It is believed that showing routes to various places removes the uncertainty or unfamiliarity with county roads. An extensive Appendix offers the reference material for ongoing planning efforts beyond the scope of this report. The Appendix entries include:

- A Shiawassee County roads and highways base map;
- The 1980's Shiawassee Freewheelers regional biking loop rides atlas;
- The County Road Commission's atlas of roads in each township that includes traffic counts and paving surface type (gravel or asphalt)—an effective route planning reference tool;
- The Shiawassee County Parks and Recreation Commission's destination routes and recreational loop routes to and from six County parks, and;
- A map of the James Miner Bikeway/Walkway

The text of this writing includes:

- Information about the newly opened CIS rail trail;
- A rail trail proposal;
- The connectivity plan for the James Miner Bikeway/Walkway with rail trails;
- Recommendations for a first phase of roadway improvements for bicycling;
- Signing bike routes on roads and highways;
- Special route designations for various purposes not mentioned above, and;
- Suggested resources for funding upgrades and road signs.

What is not contained in this report is the vast network of bikeable streets and sidewalks in the eleven County municipalities (5 cities and 6 villages). They are no less important and remain a project for someone to append to this publication. Their importance is magnified when one considers the relative safety advantage for families with younger children who prefer sidewalk and close-by municipal park trail excursions. Another important consideration, among others, is the youth biking and walking to schools (safe routes) or youths' free time recreational outings. Mountain biking areas and bicycle/skate park offerings are not within the purview of this destination route mapping effort.

The report proceeds to address three areas ("topics") of interest for bicycling in Shiawassee County: 1) Bicycling Roadways & Connectivity; 2) Bicycling Trails, and 3) Proposals for Improvement of roadway and non-motorized pathway biking.

Topic 1: Bicycling Roadways & Connectivity. There are abundant options for bicycling in rural Shiawassee County. An effective way to recommend bicycle routes is to identify many destinations in the County and recommend roadways based on traffic volume, scenic landscapes, intermediate resting or destination points, road conditions and efficiency in routing between two or more places of interest. The map in this section highlights the functional road sections. That does not preclude alternate routes, because there are other routes beyond the scope of this set of recommendations, especially when one considers the preferred personal starting points from any place in the County and personal reasons for bicycling that are not solely destination-based.

- A. Recreational Rides for Bicycling Enthusiasts. Before mentioning various features of connectivity, a different perspective for bicycling enthusiasts involves loop routes of much greater distances. That entire *Shiawassee Freewheelers Road Atlas* is published here at Appendix B. As with the connectivity routes, there are alternatives that are different and popular with the biking community. A limitation of the Atlas is its starting point at the City Hall lot in Owosso. The way to treat that is to find a proximate location along any of those routes and make that the starting and ending point.
- B. Bicycling to and from County Parks. Also in the Appendix at Appendix D are 36 recreational loop rides and destination rides to and from six Shiawassee County Parks. The rides are shorter routes and are intended as part of a park outing for a ½ hour to 1 hour loop ride. It is the intent of the 2017 Parks, Recreation and Open Space Plan to schedule construction of information kiosks in each park with postings of map routes specific to each park.
- C. Connectivity Bike Routes. Non-motorized transportation is advocated in this Plan. Transportation implies a destination and in this Plan, the destinations are primarily the five cities and six villages of Shiawassee County. Intermediate stops are possible at the County Fairgrounds, Rose Lake and the County Parks. Out-of-County borderline destinations are

revealed for Oakley, Flushing, Fowlerville, Williamston, Chesaning, Elsie, and Swartz Creek. Two special out-of-county destinations are routed for Sleepy Hollow State Park west of Laingsburg and Meridian Township with its Lake Lansing Parks.

It is most desirable for the main routes to be named and have named directional signs the entire distances. Here are four examples of the 20 routes:

- a. *To Laingsburg from Owosso (and vice versa)*. Without detailing the in-city routes a possible stand-out trek from central Owosso is... South on Vandekarr Road veering south onto to Cook Road, west on Bennington Road, South on Ruess Road, West on Garrison Road, South on Shaftsburg Road, West on Parker Road, South on Leland Road, then into Laingsburg.
There are many scenic views and rolling landscapes along this way.
- b. *From Byron to Morrice, Perry and Laingsburg*. Proceed south on Byron Road to Beard Road, west on Beard Road to Morrice Road to Morrice. To continue on to Perry, proceed west on Britton Road out of Morrice to Perry. For Laingsburg re-reference the Beard Road route out of Byron, proceed west to Shaftsburg Road (and a nice rest stop at Shaftsburg Park), north on Shaftsburg to Winegar Road, West on Winegar Road to Laingsburg Road, north on Laingsburg Road to the City of Laingsburg.
- c. *From Owosso/Corunna to Perry/Morrice*. Proceed south on Vandekarr Road veering onto Cook Road, Cook Road south to Pittsburgh Road, West a short distance on Pittsburgh Road to Gale Road, Gale Road south to Tyrell Road, Tyrell Road west to Morrice Road, then into Morrice and/or on Britton Road west to Perry. Corunna riders connect to Cook Road, via Norton Street south to Lyons Road, Lyons Road south to Richardson Road, Richardson Road west to Vandekarr Road, Vandekarr Road south to Bennington Road, Bennington Road west to Cook Road, then on to Morrice/Perry as with the Owosso route.
- d. *Corunna to Vernon/Durand*. Lytle Road west off M-71 to Vernon Road, Vernon Road south (through the Village of Vernon) to Newburg Road, Newburg Road east to Durand.

These routes appear simpler in nature when referencing the maps, not the narratives. Once the routes are confirmed by other plan reviewers, the maps shall become available in several media outlets to custom fit the user preference. For example a subset of the county-wide system would be a reference tool, "Bicycling in and about Laingsburg".

The four quadrant maps of the County Roads on the next four pages hi-light connectivity routes and are named for their end points, e.g. "Owosso-Laingsburg Route." Quadrants are used for legibility at the County scale. Users will prefer to reference a County-wide version of this map on the Shiawassee County Parks and Recreation website and shared with related interests such as the Shiawassee Convention and Visitors Bureau.

A preferred set of mapped routes are as follows and are best understood with a reference to the connectivity map:

- 1) Northwest Shiawassee County...
 - ✓ Owosso – Oakley
 - ✓ Owosso – CIS Trail Head
- 2) Southwest Shiawassee County...
 - ✓ Owosso – Sleepy Hollow State Park
 - ✓ Owosso – Laingsburg

- ✓ Laingsburg – Ovid
 - ✓ Laingsburg – Sleepy Hollow
 - ✓ Laingsburg – Rose Lake
 - ✓ Perry-Morrice-Shaftsburg – Byron
 - ✓ Perry-Morrice-Shaftsburg – Laingsburg
 - ✓ Perry-Morrice-Shaftsburg – Rose Lake
 - ✓ Perry-Morrice-Shaftsburg – Owosso/Corunna
- 3) Southeast Shiawassee County...
- ✓ Durand – Byron
 - ✓ Byron – Bancroft
 - ✓ Corunna – Bancroft/Vernon-Durand
 - ✓ Vernon-Durand
 - ✓ Shiatown Park – Kerby & Lytle Parks
 - ✓ Lansing Road Bikeway – Lennon
- 4) Northeast Shiawassee County
- ✓ Corunna – N-S Arterial at Shipman Road
 - ✓ Owosso – Oakley
 - ✓ Henderson – New Lothrop

Other comments about non-motorized transportation deal with restrooms. They are plentiful in the cities and some villages in public and quasi-public places. There are few intermediate rest areas with facilities. Another concern would be unleashed dogs. Riders have the right to protect themselves from threatening dogs with repellent sprays. An alternative is to stay on the primary roads where there are fewer potential incidents from owners that leash or pen their dogs safe from higher speeds and heavier traffic.

The routes can change annually based on road conditions. Pavement conditions near the road edge vary from one season to the next. Gravel roads require grading from time to time. The ribbon effect for ungraded gravel roads can be a nuisance. For these reasons, the biking system described herein may be amended from time to time.

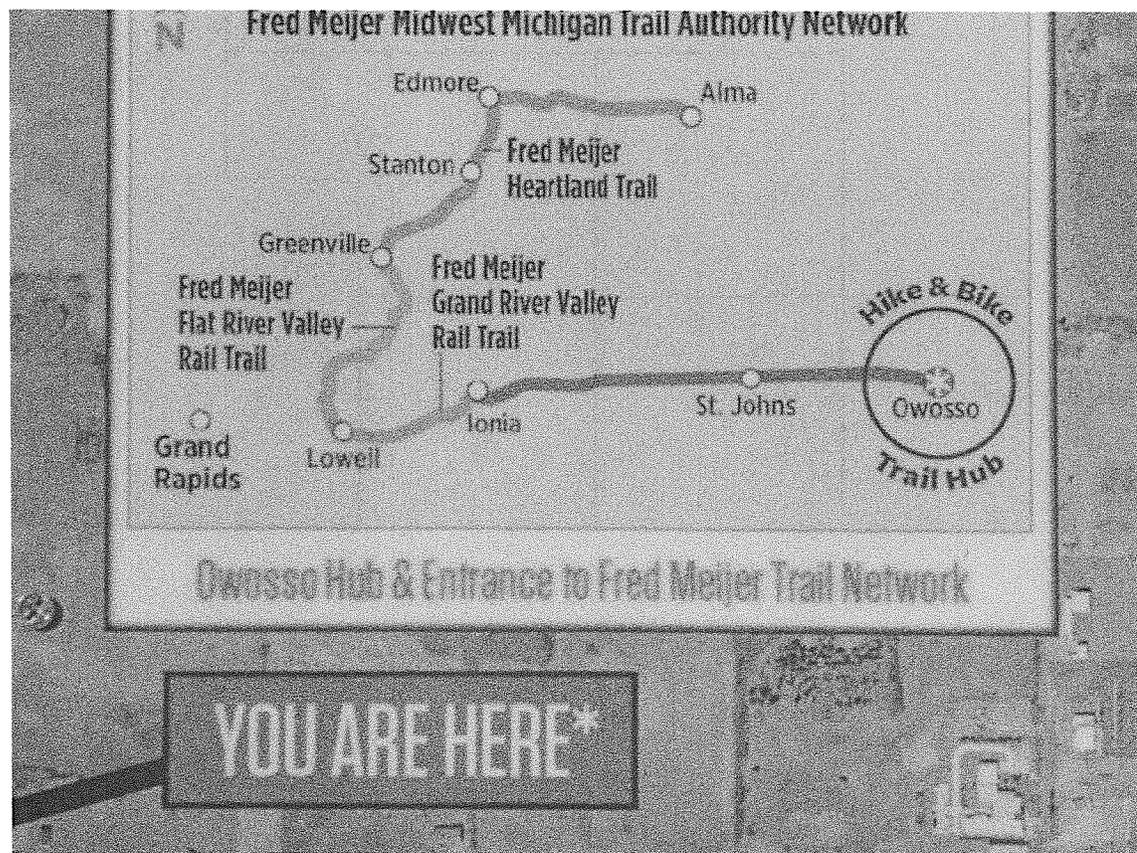
Some routes should pay attention to time of day. With Shiawassee being a rural county, most of the commuting traffic to rural homesteads occurs between 4:30 p.m. and 6:00 p.m. The earlier commuting times are between 7:00 a.m. and 8:30 a.m.

The connectivity bike route system is expanded in Section 3 below under Proposals for a County-wide arterial system. The routes listed above all intersect with this system at one or more points.

Topic 2: Bicycling Trails. The State of Michigan is a national leader in rails-to-trails bikeways (and hiking/walking too). Most recently a rail trail section was opened from Ionia to Owosso on a section of the original Detroit to Milwaukee railroad bed of 1859. The trail has a link in Ionia to three other connected rail trail projects through Lowell, Greenville, Stanton, Edmore and a terminus at Alma

(horseshoe shaped system). See the map below that is posted at the trailhead a mile-and-a-half west of Owosso.

The CIS trail connects to Owosso's James Miner trail (SEE the Miner Trail Map at Appendix E) via a 5-mile signed roadway. A committee is working on a more direct route into Owosso and the James Miner Walkway. From Owosso, the Miner trail leads 4 miles easterly to the City of Corunna's McCurdy Park where the trail ends.



There are no other dedicated off-road bicycle trails or dedicated bike lines on streets anywhere in the County. Mountain biking is popular at Rose Lake Wildlife Research Station (listed as a State Park) and Owosso's Collamer Regional Park.

Topic 3: Proposals for Improvement...

PROPOSAL 1: A NEW RAIL TRAIL

Starting in Corunna at the intersection of South Norton Street and the former rail bed of the Ann Arbor Railway, a potential rail trail leads southeasterly to the Village of Vernon and the City of Durand, potentially 10 miles of trail system that would be sufficiently linked in Corunna via 4000 lineal feet of dedicated lane road biking on Norton Street from Corunna's McCurdy Park where the Miner trail ends. Presently the organizational foundations are inoperative until all matters related to the CIS trail are completed. For example the route becomes constricted from Vernon to Durand and must be evaluated for trail potential and routing once in the Durand area.



The relatively open Ann Arbor Railway Bed adjacent to Arthur Davis County Park north of Vernon.

PROPOSAL 2: FOUR CROSS-COUNTY REGIONAL BIKEWAYS

As with many transportation systems for vehicles, arterial roadways compose a well-distributed heavier use system. This principle holds with regional bicycling. Four routes are recommended to establish Shiawassee County as a renowned biking expanse. The cross-county routes become gateways to the entire county with side routes starting and ending anywhere along these routes to many reasonably distanced destinations. These routes would be improved where possible with wider pavement or broader, level shoulders and signed. The best way to understand these routes is to reference the map in this report. The narrative descriptions below explain their locations and roles.

- 1) The east-west bikeway arterial serving the south third of Shiawassee County. It may be called, "The Lansing Road Regional Bikeway." This route accesses convenient *regional* destination options with its hypotenuse slice through the County. Lansing Road is an east-west "turn-back" highway from the State highway system when I-69 was opened. The right-of-way and widened lanes and somewhat level gravel shoulder berms offer a spacious biking experience for recreation and regional non-motorized travel. Lansing Road serves as the south cross-county bikeway that connects the Meridian Township/Lake Lansing Parks on the west to the Swartz Creek area on the east where Lansing Road becomes Miller Road in Genesee County. So many side routes that are both scenic and purposeful (destinations) branch away from Lansing Road. Many of the side routes are gravel roads with very little travel that traverse the most scenic parts of the County where glacial moraines provide rolling terrain. This landscape is interspersed with wetlands and several forested sections of the Looking Glass River system, county drainage ways, and glacial ponds.

This route provides access to Rose Lake State Park, Shaftsbury, Perry, Morrice Bancroft, Byron, Vernon, Geeck Road County Park, Durand and Lennon. With respect to size and services, Perry and Durand are the anchor communities along this route. The disadvantage of this route is the relatively higher traffic volumes along with heavier commercial vehicle use.

- 2) The north-south regional bikeway serving the east half of Shiawassee County. This route is mostly country riding from Lansing Road/Durand to New Lothrop. To be truly “cross-county”, the route continues south from Lansing Road through Bancroft Road to the County Line connection to Fowlerville Road (and Fowlerville). Reference the map for details on the southern extension. The route from Lansing Road north is not one road but four County roads. Beginning in Durand and proceeding westerly on Newburg Road to Vernon Road, the bikeway proceeds northerly on Vernon Road (through the heart of Vernon Village) across M-21 to Shipman Road, then northeasterly to New Lothrop Road and onto the Village of New Lothrop. From New Lothrop there are regional connections to Flushing and Chesaning. Side trips from this route access Corunna, Lennon, Shiatown Park, and Kerby Park.
- 3) The east-west regional bikeway serving the northern third of Shiawassee County. Beginning in Elsie (out-of-county on the west), the route proceeds to a starting point in Shiawassee County on Allen Road/Meridian Road, then Allen Road to State Highway M-52. Follow a dog leg left and right on M-52 to Six Mile Creek Road. When the Six Mile Creek Road Bridge is opened to biking, take Seymour Road to Easton Road, north on Mcaffrey Road, then east on Ridge Road, south on Reed Road then east on Easton Road into the Village of New Lothrop. This route accesses Else, Carland (and Hoover’s Corners), Oakley, Chesaning, Henderson County Park, Pine Grove County Park, and the Village of New Lothrop. Until the Six Mile Creek Road is opened a cross-county biker would proceed south off Allen Road at Chipman Road to Henderson Road, then East on Henderson to Seymour Road and north to join the established route described above.
- 4) The north-south regional bikeway serving the west third of Shiawassee County. Beginning at the County Line on Lovejoy (east-west road) and Shaftsbury Road. The route follows several local roads that are distinguished by lower traffic counts, rural scenery, rideable biking surfaces, and economy of least distance routing. The south end proceeds on to the City of Williamston in Ingham County and culminates at the east-west north county arterial on Allen Road. The roadway trail crosses the new CIS trail and six east-west local designated routes.

A de facto central county east-west arterial way exists in the Mid-County from Ovid to Owosso on the CIS rail trail. Improvements suggested in earlier topic presentations above, will continue the route to Lennon and Vernon/Durand.

The north-south routes that serve the central and west half of the County are too numerous to mention as a single regional bikeway. The connectivity map at **Appendix A** in this report shows the multiple routes that incorporate efficiency, destinations, and scenery in the exceptionally gifted landscape of Southwest Shiawassee County and the big sky country of northwest Shiawassee County.

PROPOSAL 3: FIRST PHASE OF ROADWAY & BERM IMPROVEMENTS FOR BIKING SHIAWASSEE COUNTY

The vast resource of County primary and local roads provides the most relevant and abundant basis for connectivity between urban places and open spaces. The presentation of Topic 1 on biking roadways fell short of recommending upgrades, where and why in a limited budget scenario. The potential upgrades include these five treatments:

1. Dedicated, striped bike lanes where that portion of the outside lane is in excess of the minimum design width for motor vehicles.
2. Widening/leveling a portion of roadway shoulders for safe pullovers.
3. Shared Use paths parallel but not on the roadway (e.g., Corunna to Durand).
4. Named bike route signs and "Share the Road" bike signs as are shown on Lytle Road and Beard Road.
5. Marketing tools for biking Shiawassee County.

Proposal 2 offers a sampling of four of the 24 bikeways on roadway systems to act as the regional bikeway arterials of the four quadrants in the county. It is the task of others to prioritize the type and extent of upgrades to make this system reliable, well-used anchor routes for the local bikeways on roadways. The local tier of roadway bike routes is the subject of this section of the report. The network of routes are recommended for ongoing pavement surface maintenance especially so for the near shoulder pavement areas. The possibilities of a sign system should be explored to the extent that the bicycle symbol and the connected areas on the routes are named on the same sign. At a minimum these roadways would be mapped on an application suitable for smartphones in addition to the route name, bikeway symbol and QR code reader stamps..

Without doing the job of roadway engineering, these first phase recommendations for local roadway/bikeway upgrades and recurring maintenance are made:

- 1) Lytle Road from the City of Corunna to Lennon;
- 2) Beard Road from Byron to Shaftsbury;
- 3) Bennington Road from Ruess Road to Leland Road;
- 4) Leland Road from the City of Laingsburg to Hibbard Road;
- 5) From Village of Bancroft & Lansing Road via Bancroft Road to Cole Road to Reed Road to Lehning Road to the Village of Byron;
- 6) From the City of Corunna via Parmenter Road to Bancroft Road to Shiatown;
- 7) From the Cities of Owosso and Corunna to Perry/Morrice that features Vandekarr Road to Bennington Road, Bennington Road to Cook Road, Cook Road to Pittsburg Road, Pittsburg Road to Gale Road, Gale Road to Tyrell Road, Tyrell Road to Morrice Road, Morrice Road into Morrice then Britton Road west to Perry. This route that sounds detailed is the safest low traffic volume and most direct way to bike between the Mid-County and the Perry area.

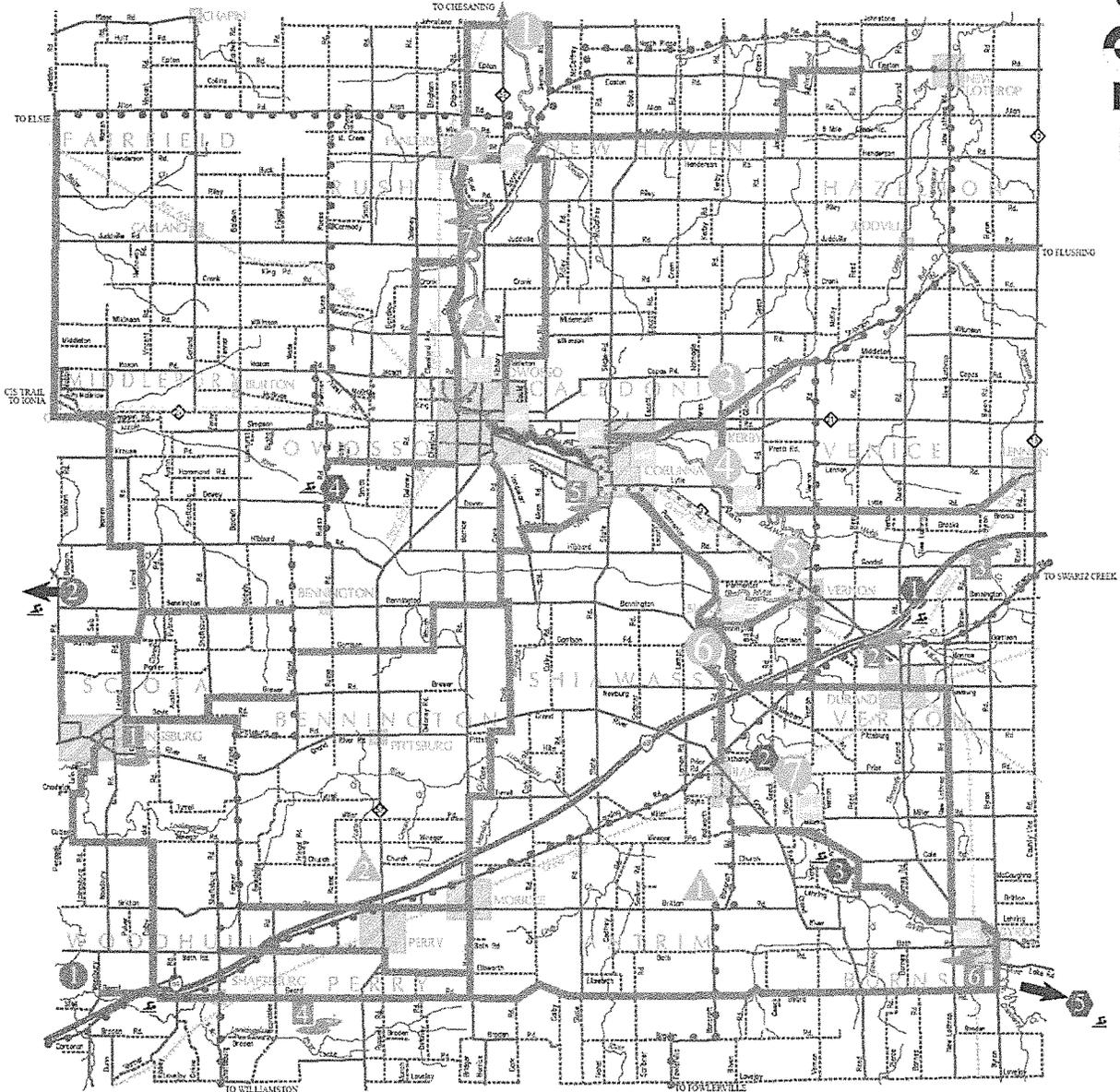
Later reviews by others will amend the list and lend realistic expectations for the timing of the upgrades. The available resources are based on the assumption of appointed person(s) to write proposals and grants to funding sources consisting of philanthropists, corporation foundations advocating health and exercise, MDOT and/or County Road Commission Act 51 allocations, volunteers, and local fund raising campaigns. The advantage of a recognized bicycle plan strategy within an adopted parks plan (an official statement) is the confidence others may place in their grants, gifts, volunteerism activities, and donations.

APPENDIX

- APPENDIX A. Shiawassee County Roadway Bikeway Map
- APPENDIX B. The Shiawassee Freewheelers Biking Route Road Atlas
- APPENDIX C. County Road maps—Paved/Graveled, Primary/Local Designation, Selected Traffic County--by Township, a reference and planning tool
- APPENDIX D. County Parks Plan Recreational Loop Rides from County Parks & Destination Rides to and from County Parks—Note: List only (maps to come)
- APPENDIX E. County Parks Recreational and Destination Bike Route Maps
- APPENDIX F. Map of the James Miner Bikeway between Owosso and Corunna.

APPENDIX A: Shiawassee County Base Map and Regional Bike Routes—See the Following Page

LIVE HEALTHY SHIAWASSEE!!!



COUNTY RECREATION

COUNTY OPERATED PARK PROPERTIES

1. PINE GROVE PARK
2. HENDERSON PARK
3. KERBY ROAD PARK
4. LITTLE ROAD PARK
5. DAVIS ROADSIDE PARK
6. SHIATOWN PARK
7. GEECK ROAD PARK

CAMPGROUND/PRIVATE PROPERTIES

1. HOLIDAY SHORES
2. YMCA CAMP
3. WALNUT HILLS
4. CAMPGROUNDS R US
5. MYERS LAKE

GOLF COURSES

1. PINE HILLS
2. DUTCH HOLLOW
3. HOLIDAY MEADOWS
4. GLENBRIER
5. CORUNNA HILLS
6. WILLOWBROOK
7. OWASSO COUNTRY CLUB

STATE OPERATED PARK PROPERTIES

1. ROSE LAKE WILDLIFE RESEARCH AREA STATE PARK
2. SLEEPY HOLLOW STATE PARK

CONSERVATION ZONE PROPERTIES

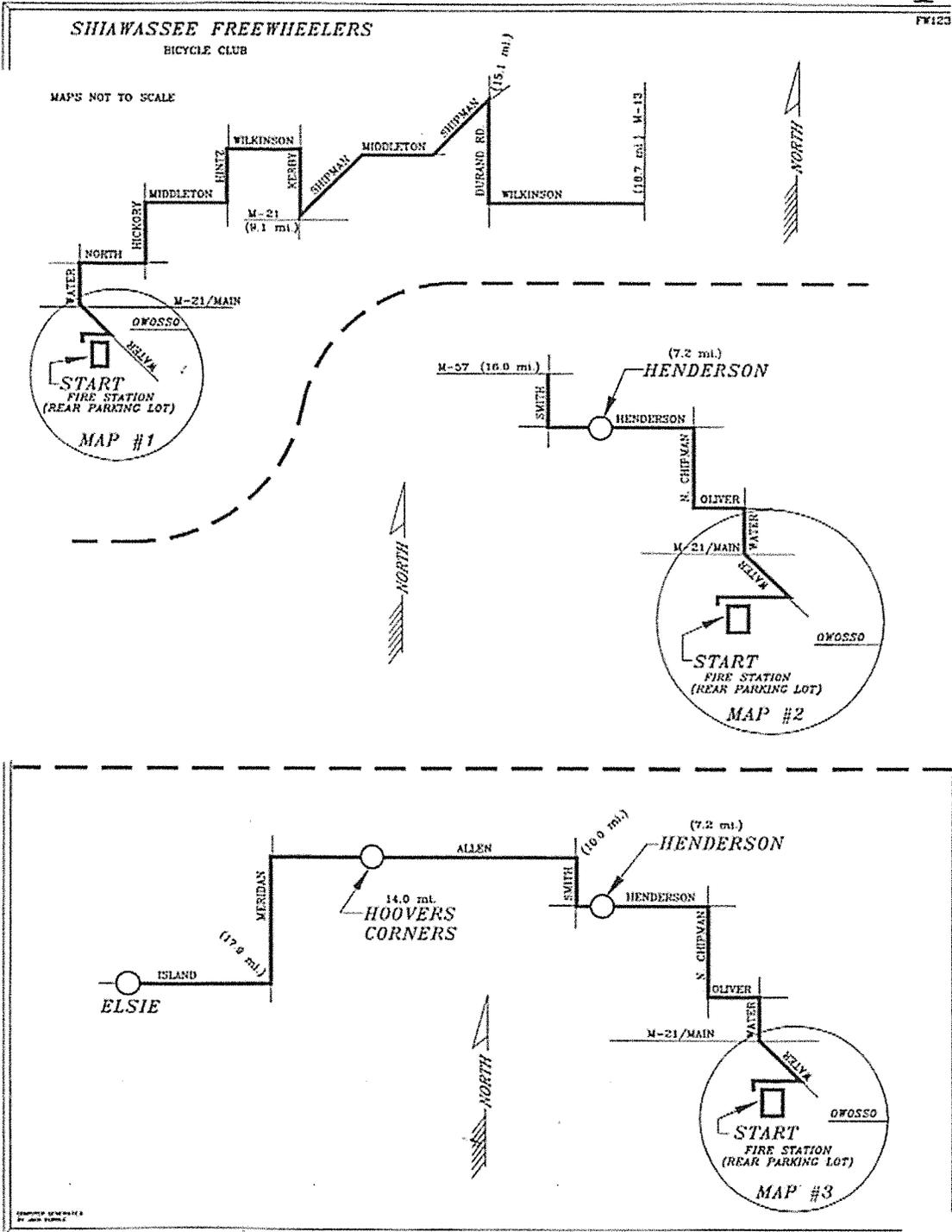
1. RATTLESNAKE ISLAND WETLAND (PRIVATE)
2. AUSTIN TWIN LAKES NATURAL AREA (PRIVATE)
3. DEVRIES NATURE CONSERVANCY

LEGEND:

	EXISTING PAVED ROAD
	EXISTING GRAVEL ROAD
	REGIONAL BIKEWAYS
	CIS MINER CONNECTOR
	PROPOSED CORUNNA/DURAND TRAIL
	JAMES MINER RIVER TRAIL/VOIGHT LOOP TRAIL
	CITY OF OWASSO
	FRED MEIJER CLINTON-IONIA-SHIAWASSEE TRAIL
	ON-ROAD DESTINATION ROUTE
	CANOE LAUNCH
	SHIAWASSEE RIVER HERITAGE WATER TRAIL
	SWIMMING/BEACH ACCESS

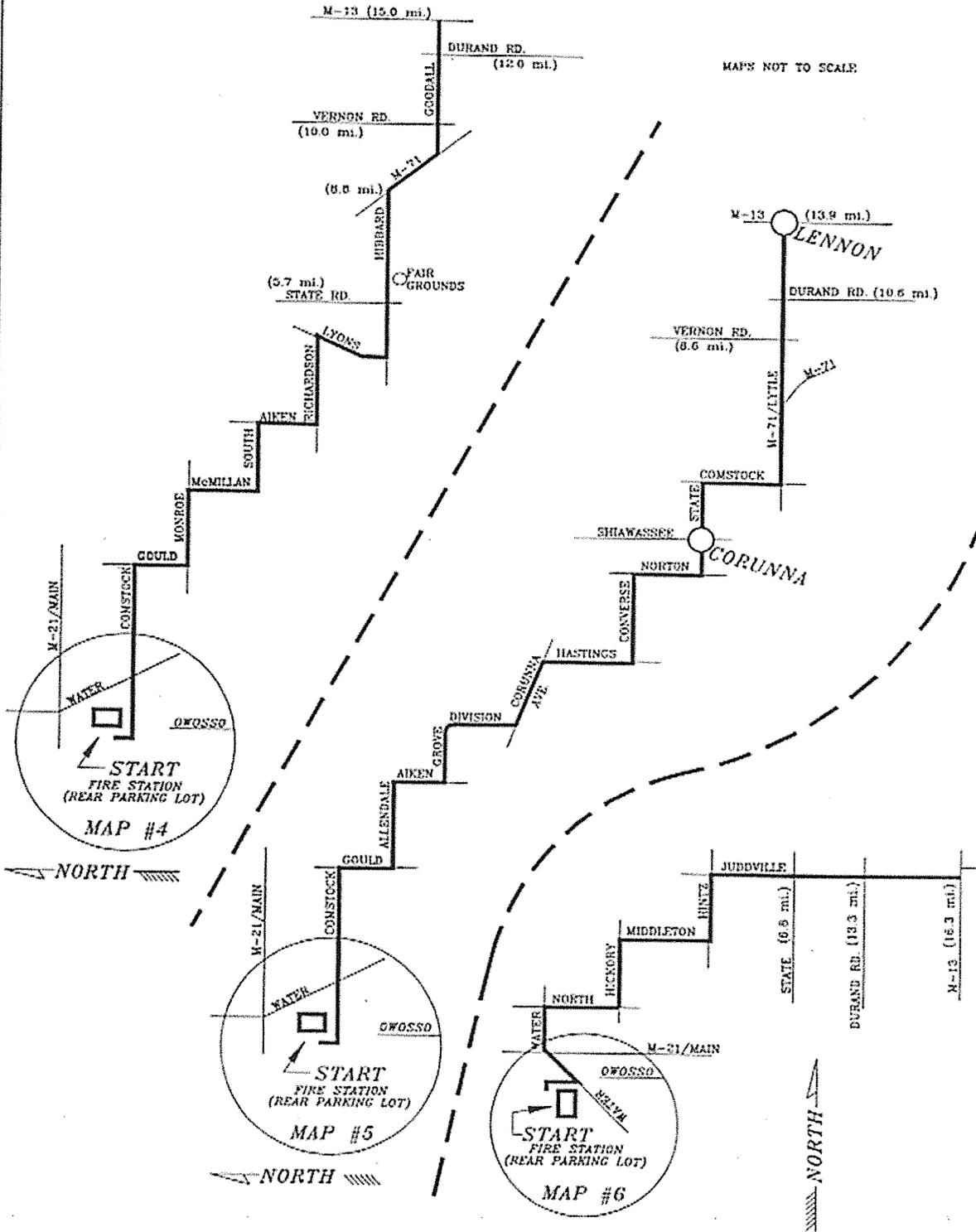


APPENDIX B: The 1980's Shiawassee Freewheelers Bicycle Club Route Atlas, 40 Routes (the maps' bias for the starting point at the City Hall Lot in Owosso is countered with the ability to join any of these routes at any point for personally established start-finish outings.)



SHIAWASSEE FREEWHEELERS BICYCLE CLUB

MAPS NOT TO SCALE

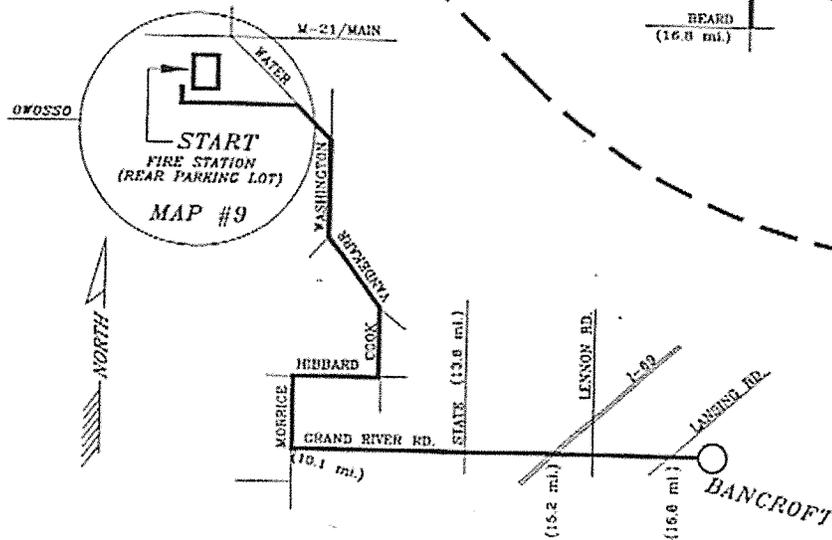
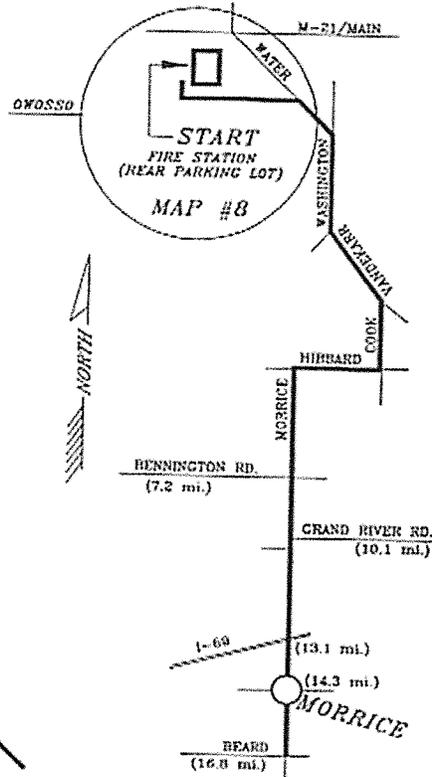
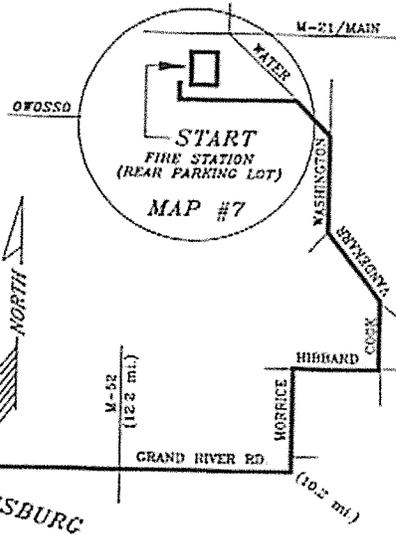


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BICYCLE CLUB

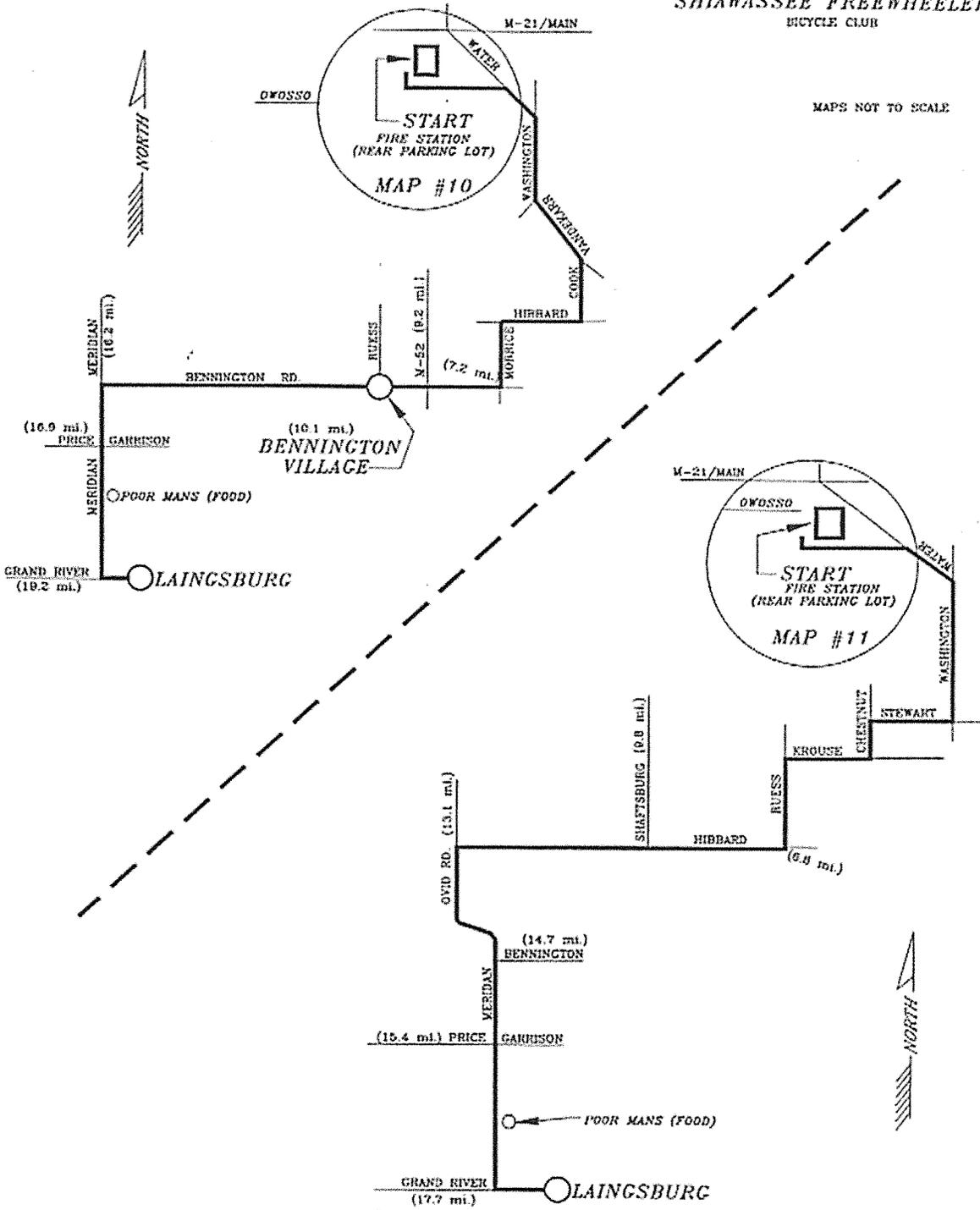
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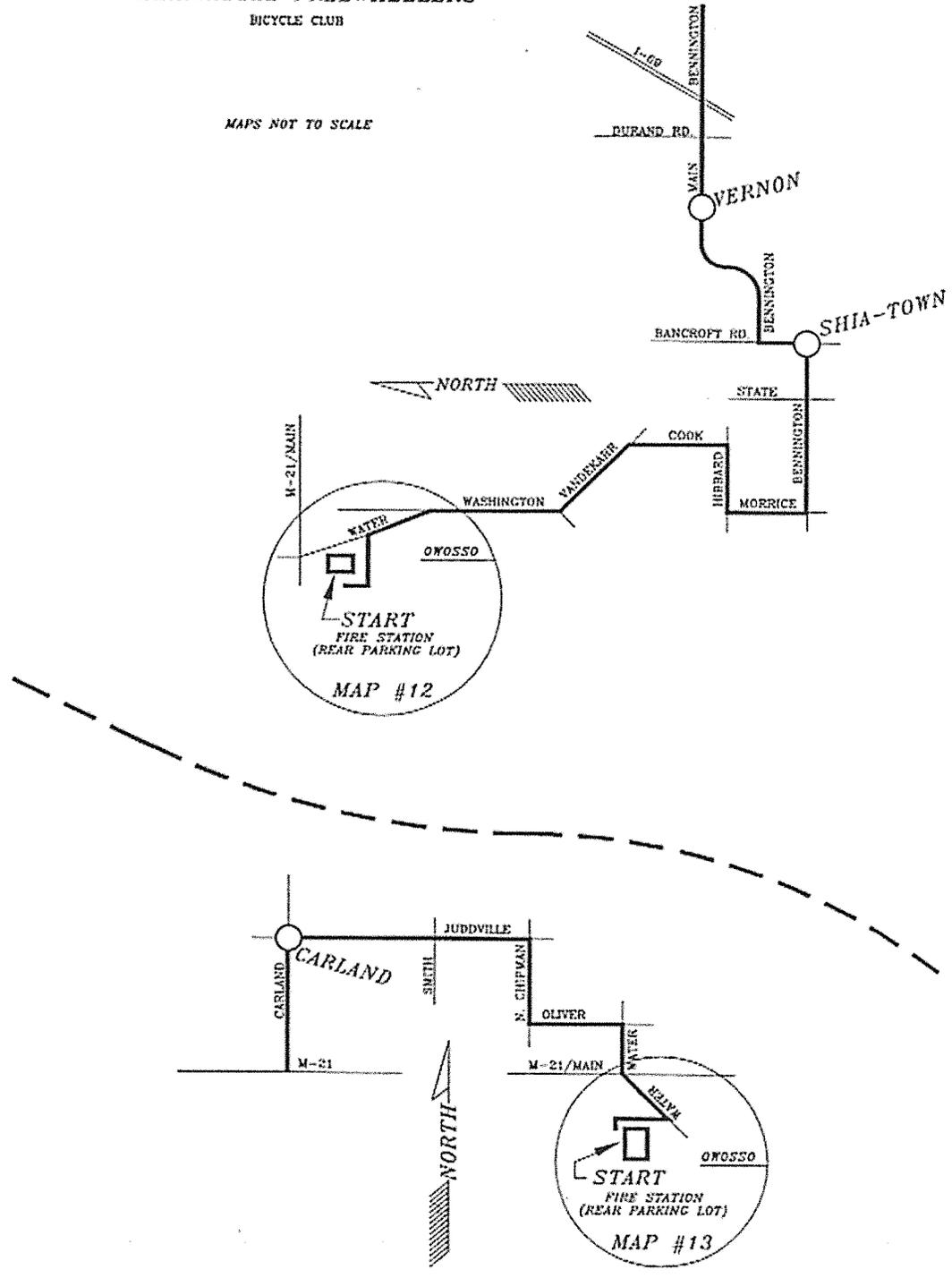
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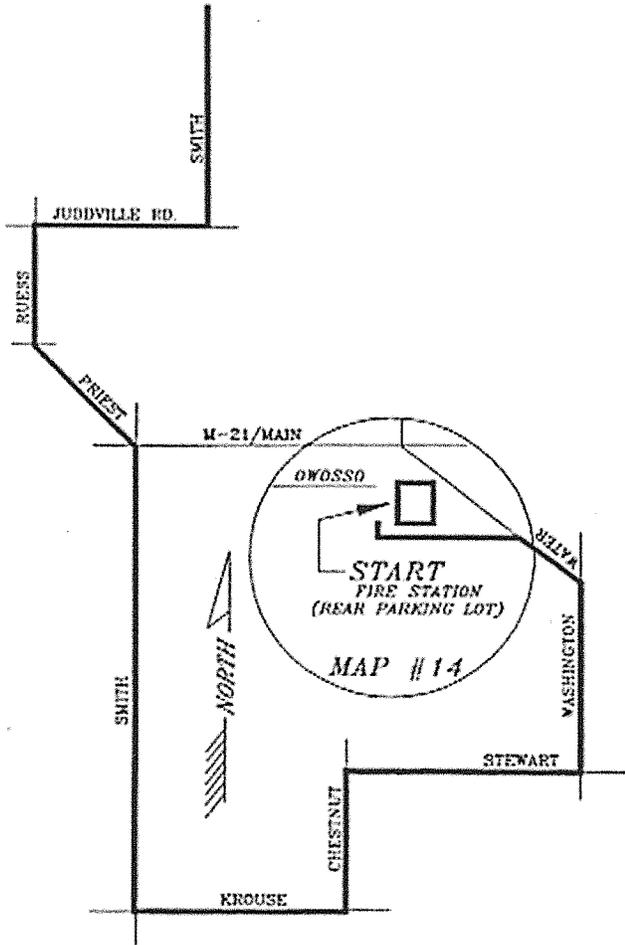
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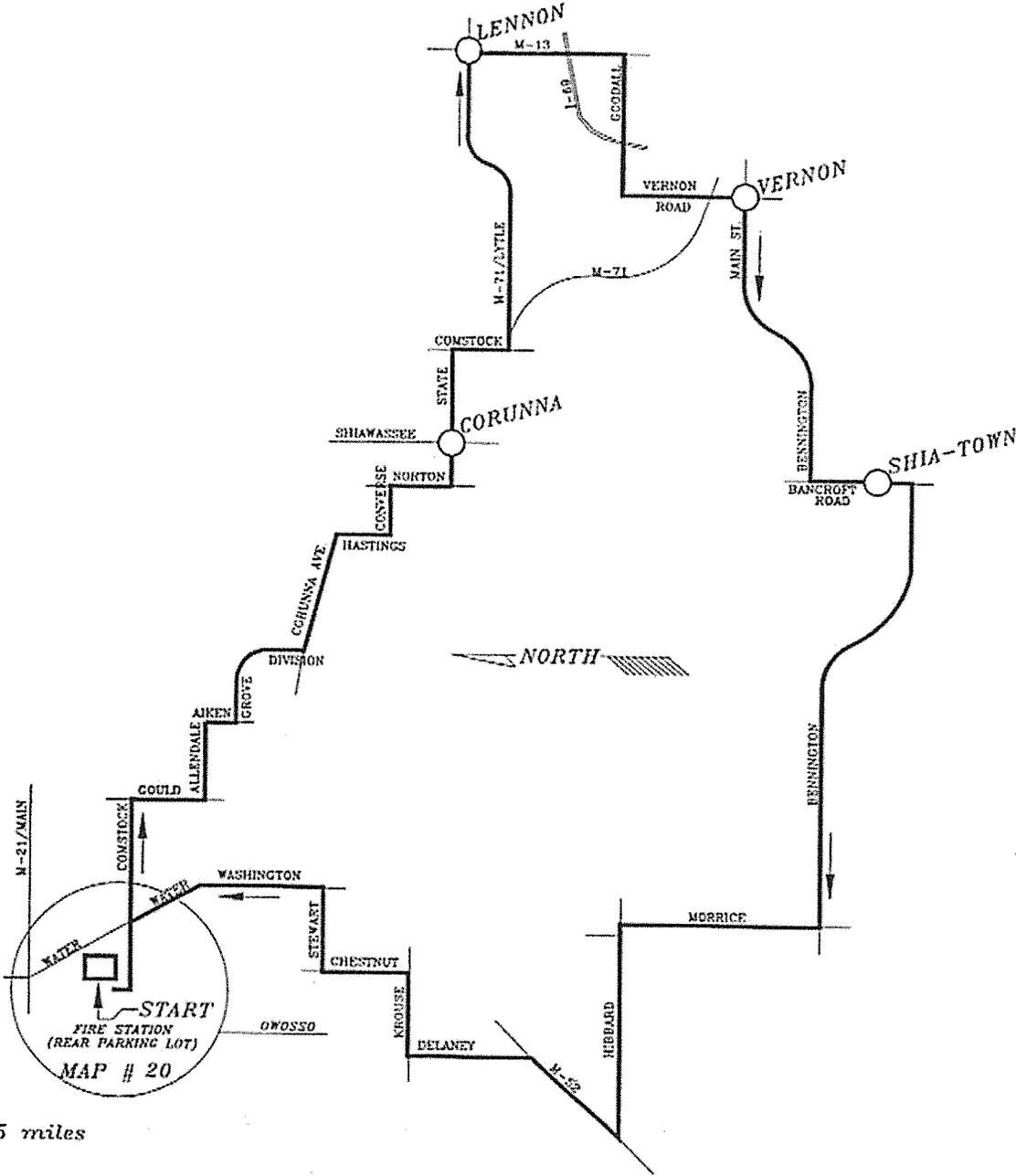
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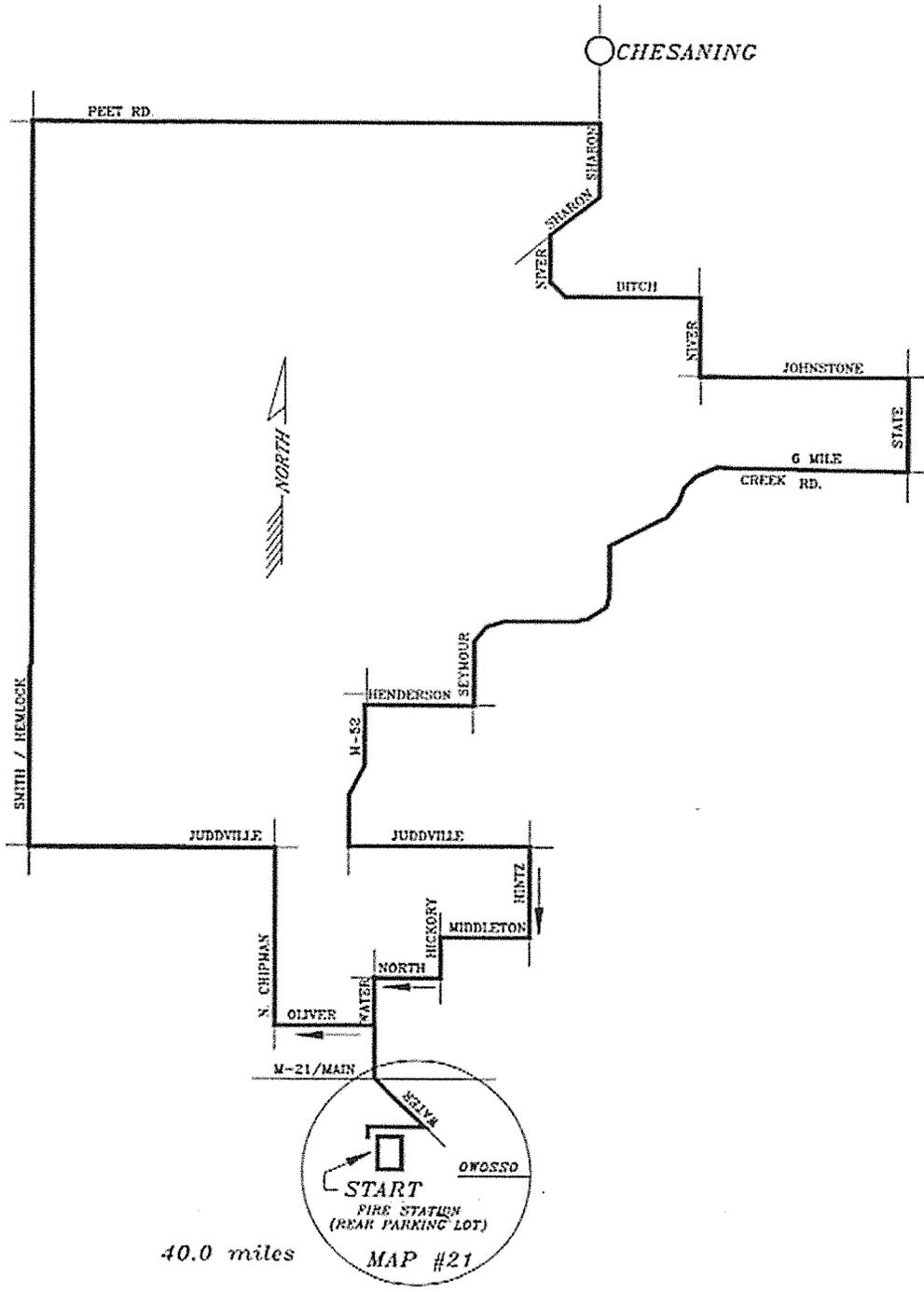
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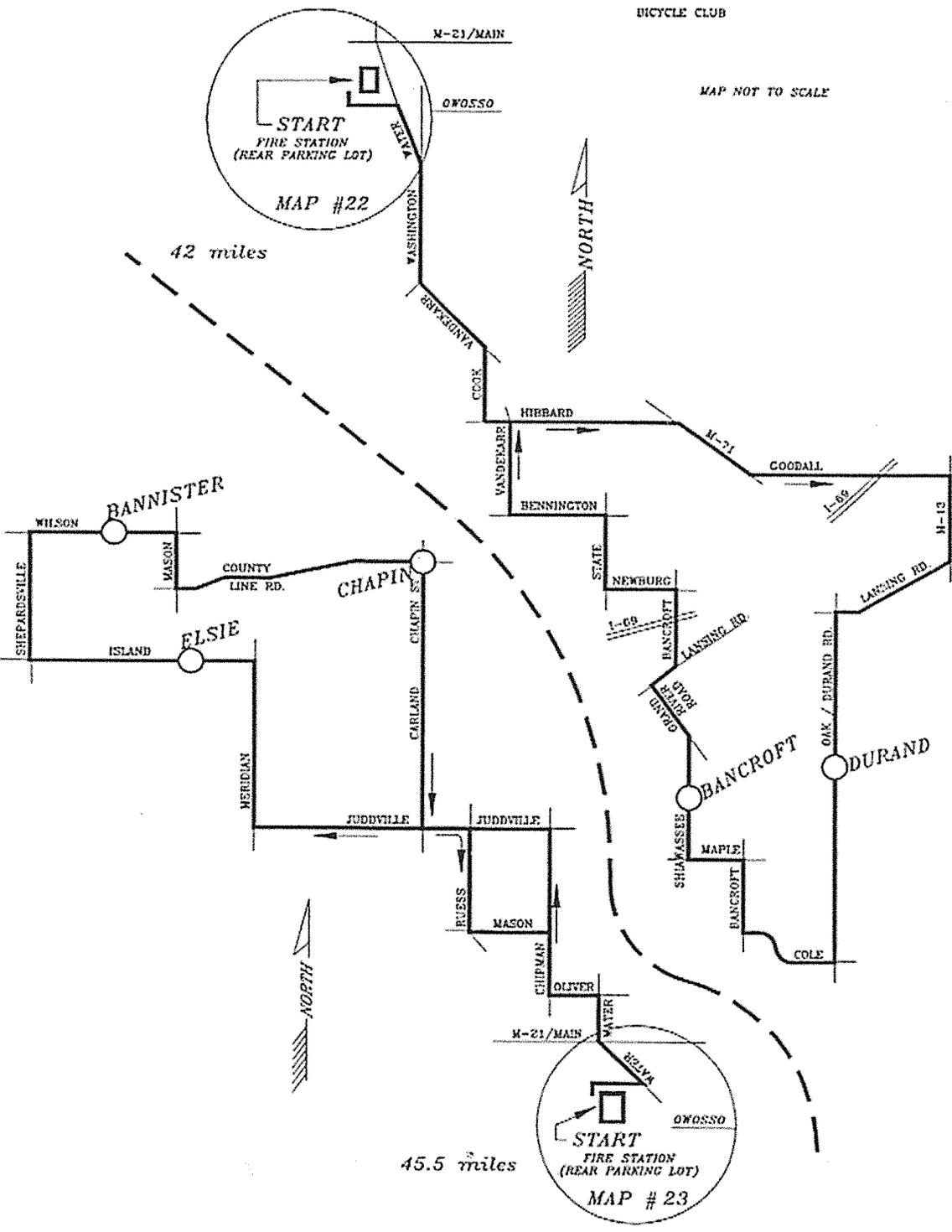
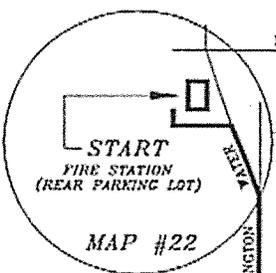
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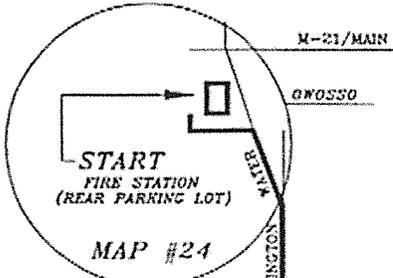
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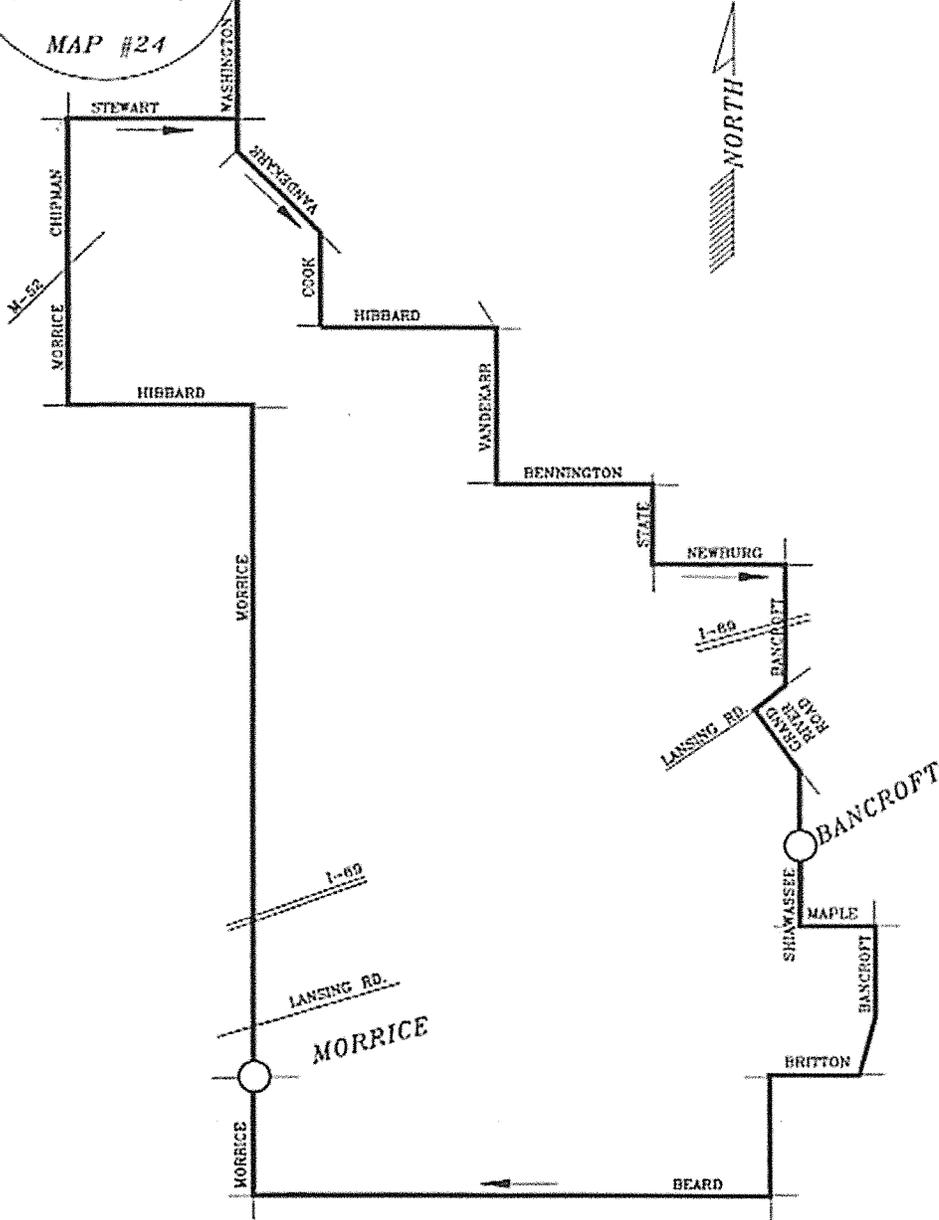


SHIawassee FREEWHEELERS BICYCLE CLUB

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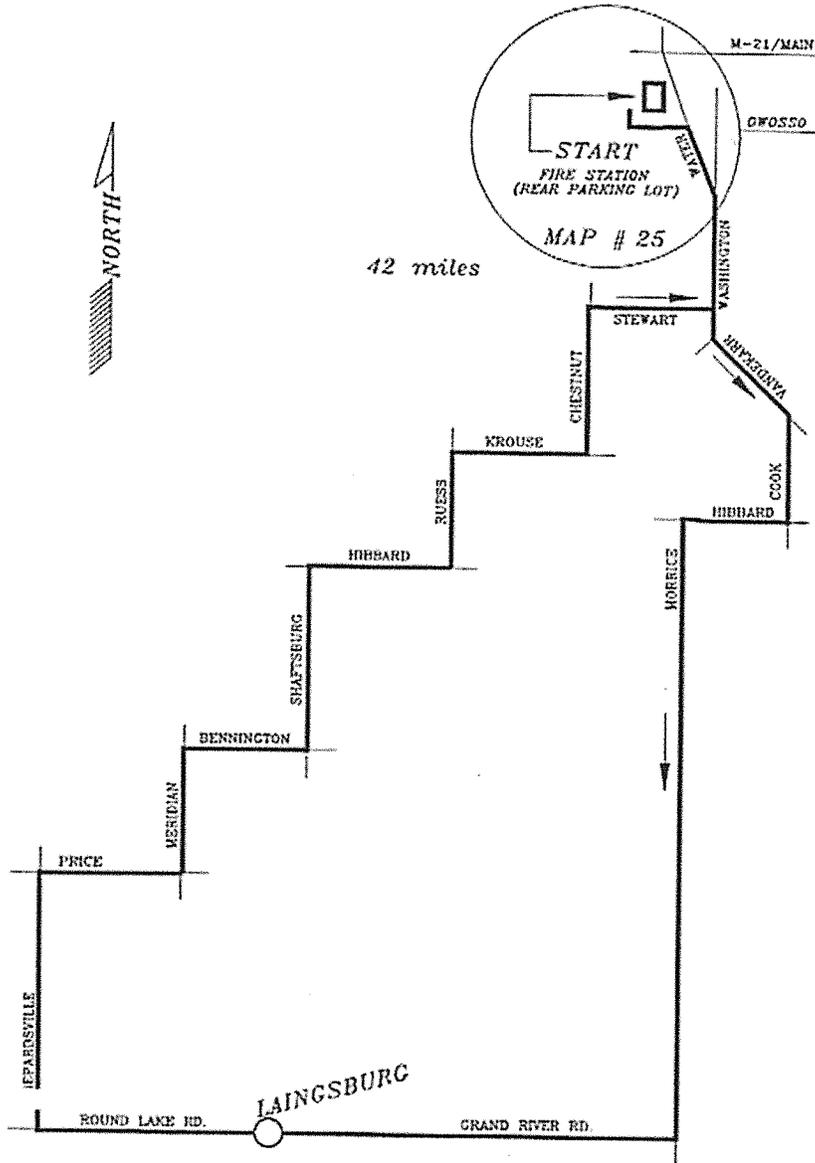


40 miles



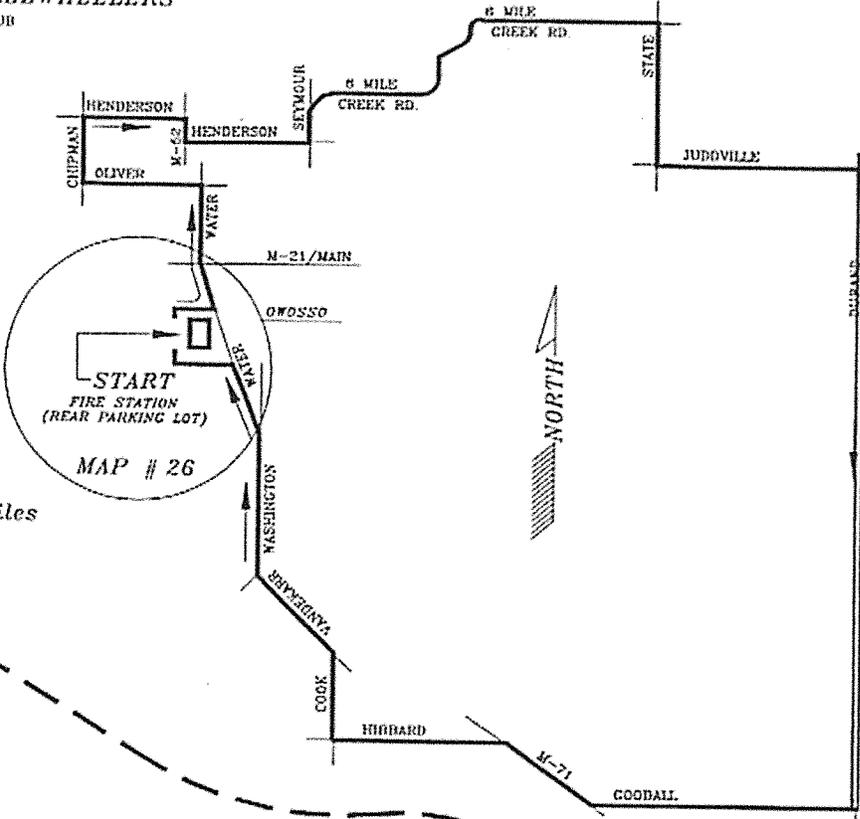
SHIAWASSEE FREEWHEELERS
BICYCLE CLUB

MAP NOT TO SCALE

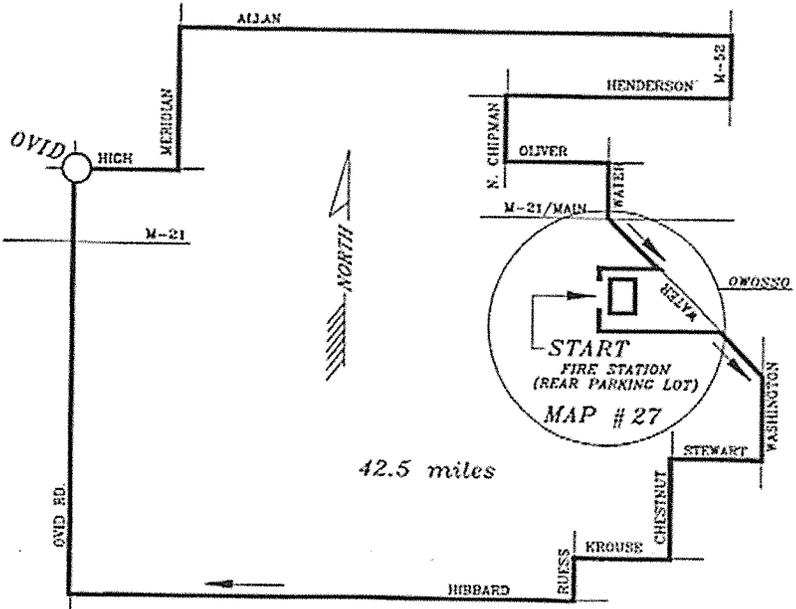


SHIAWASSEE FREEWHEELERS
BICYCLE CLUB

MAP NOT TO SCALE



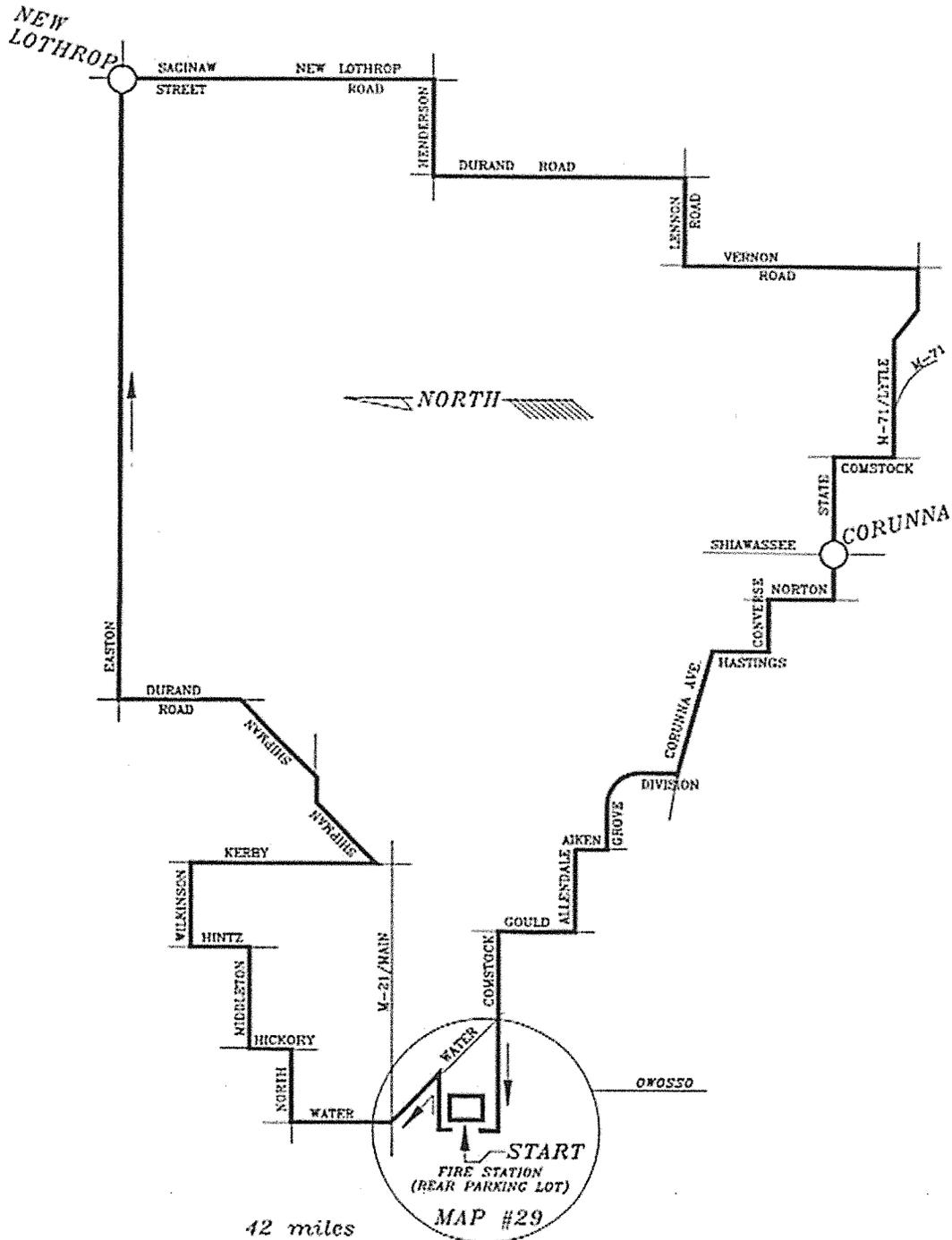
40.0 miles



42.5 miles

SHIAWASSEE FREEWHEELERS
BICYCLE CLUB

MAP NOT TO SCALE



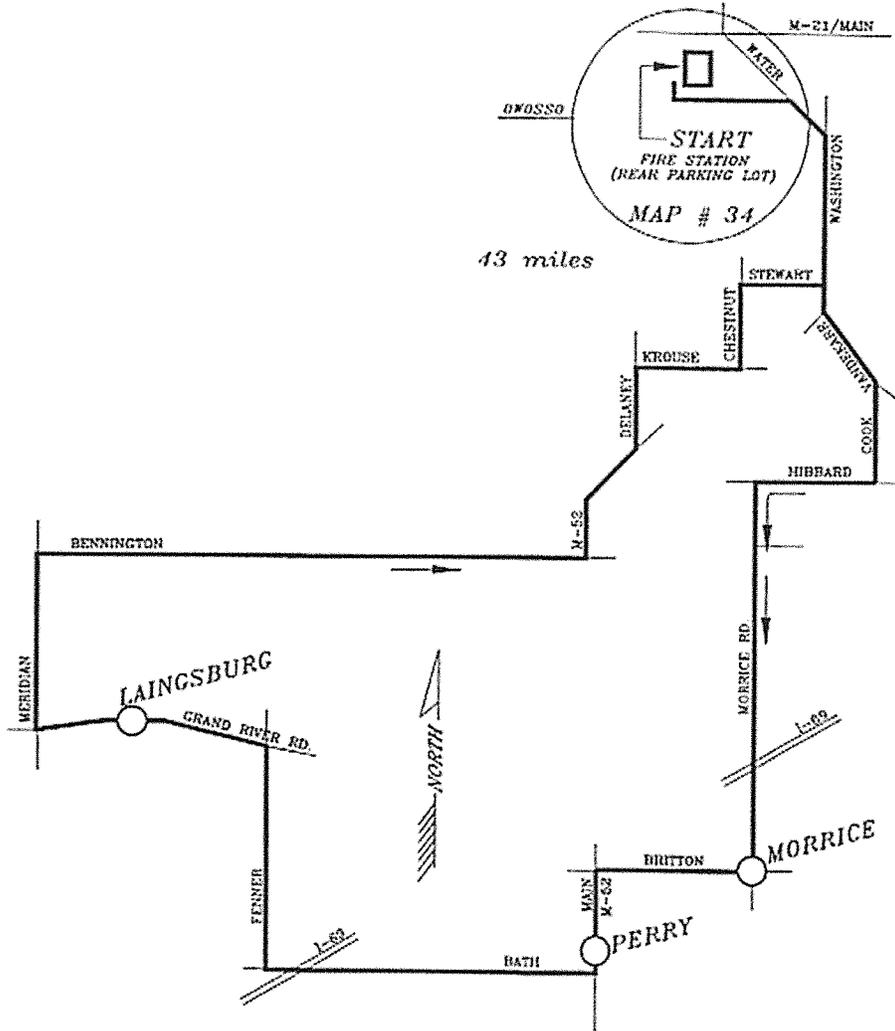
42 miles

WATER
START
FIRE STATION
(REAR PARKING LOT)
MAP #29

SHIAWASSEE FREEWHEELERS

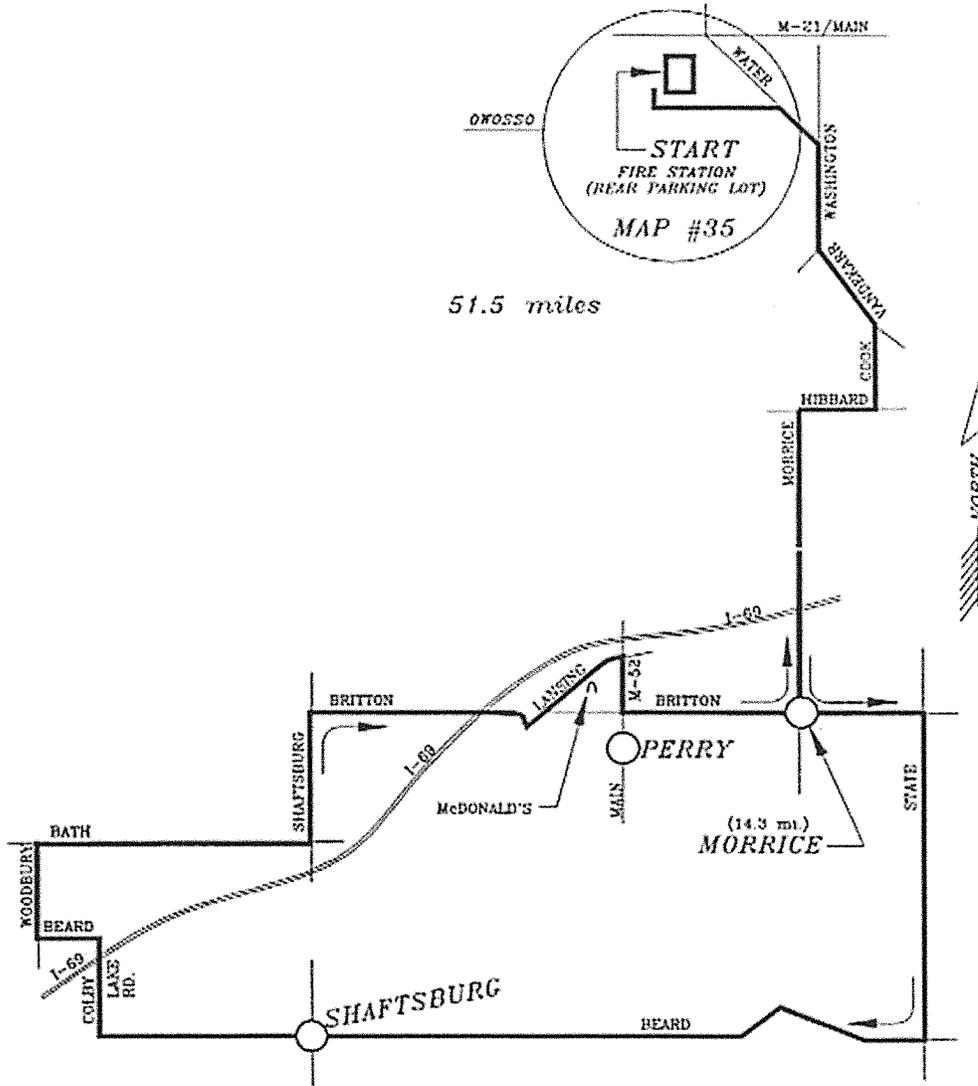
BICYCLE CLUB

MAP NOT TO SCALE



SHIAWASSEE FREEWHEELERS BICYCLE CLUB

MAP NOT TO SCALE



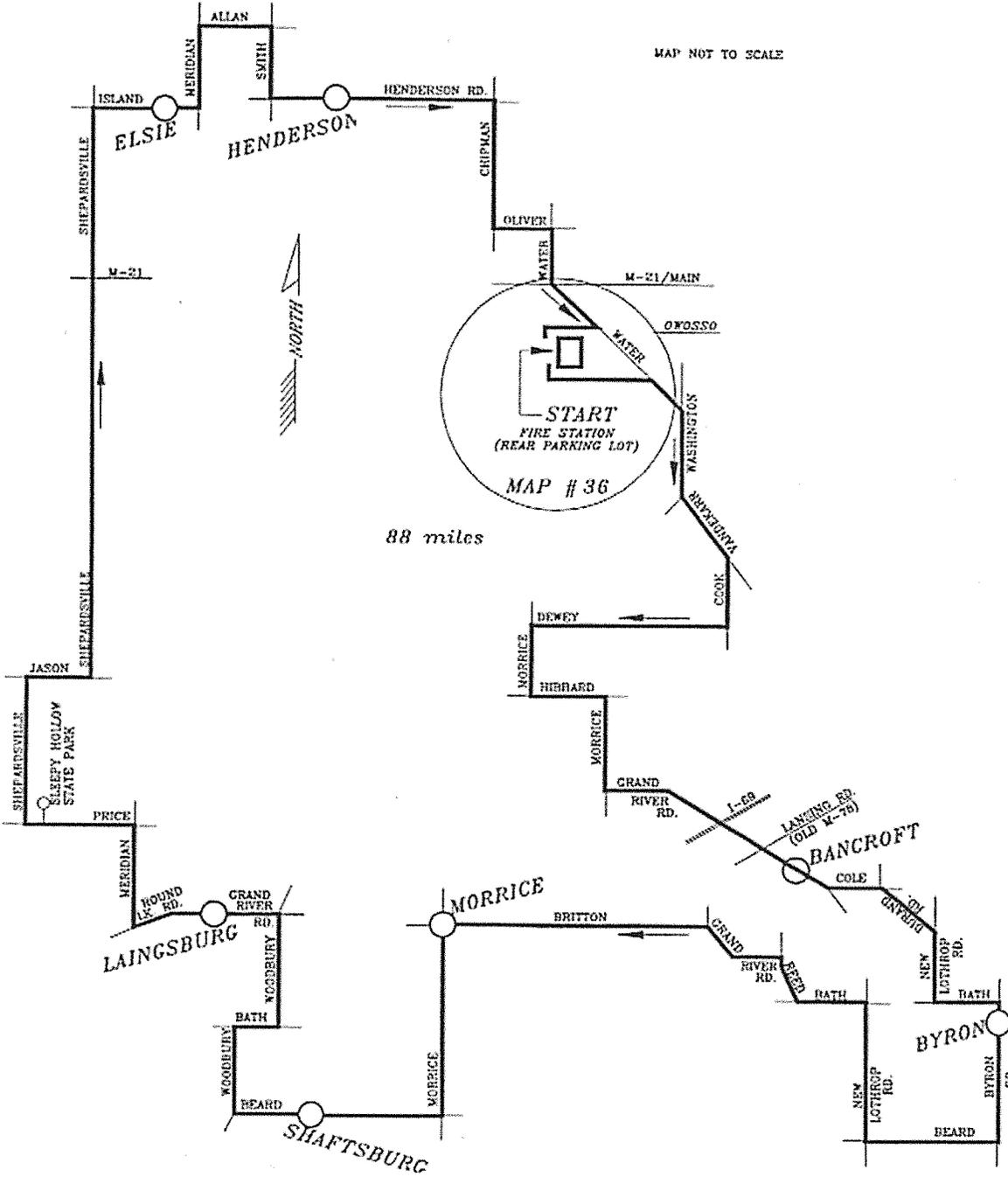
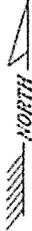
SHIAWASSEE FREEWHEELERS BICYCLE CLUB

MAP NOT TO SCALE

88 miles

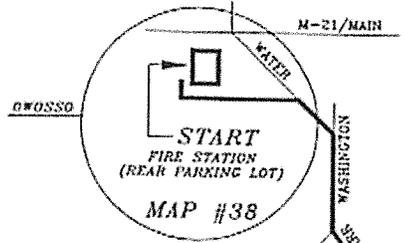
START
FIRE STATION
(REAR PARKING LOT)

MAP # 36

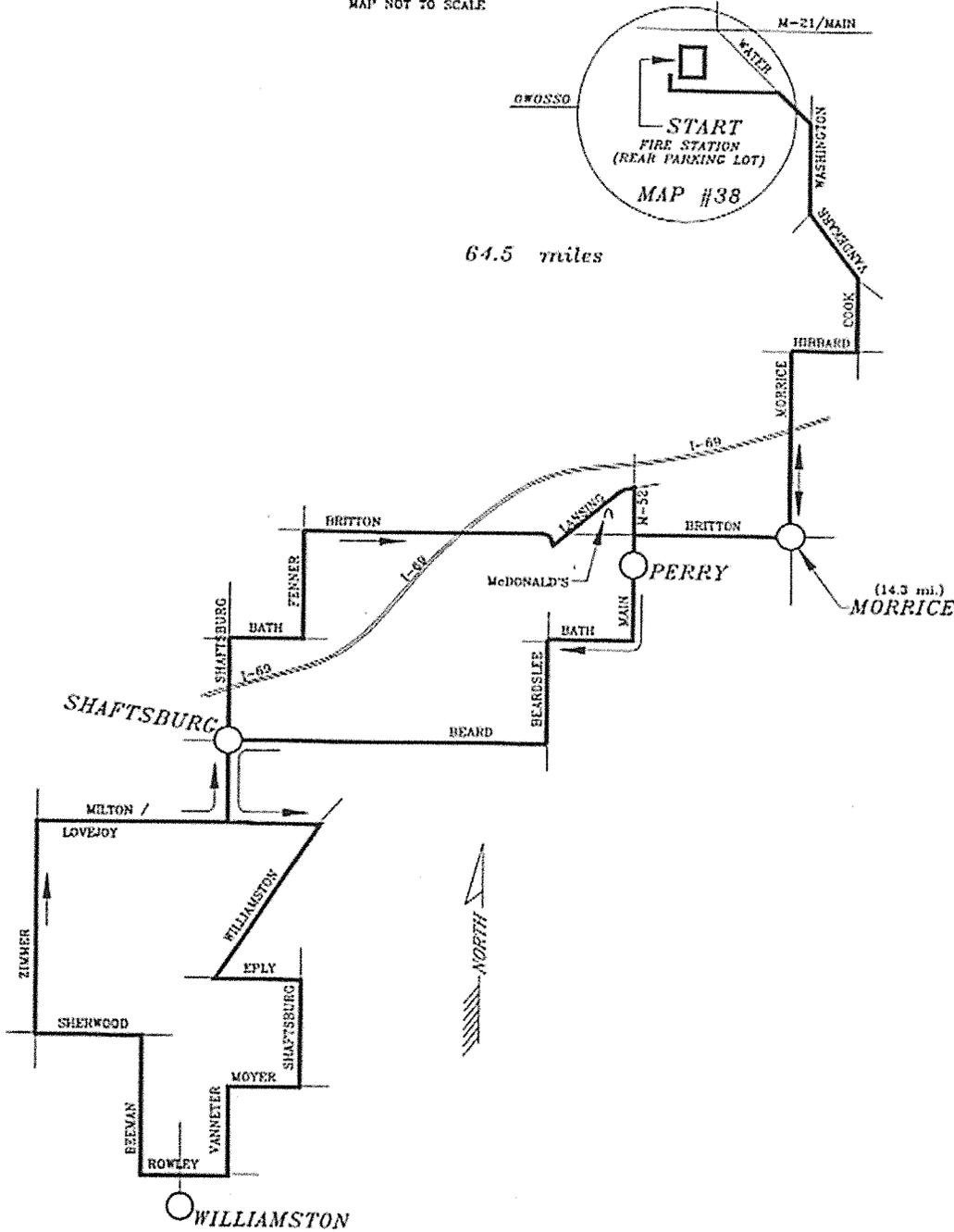


SHIAWASSEE FREEWHEELERS
BIKE CLUB

MAP NOT TO SCALE

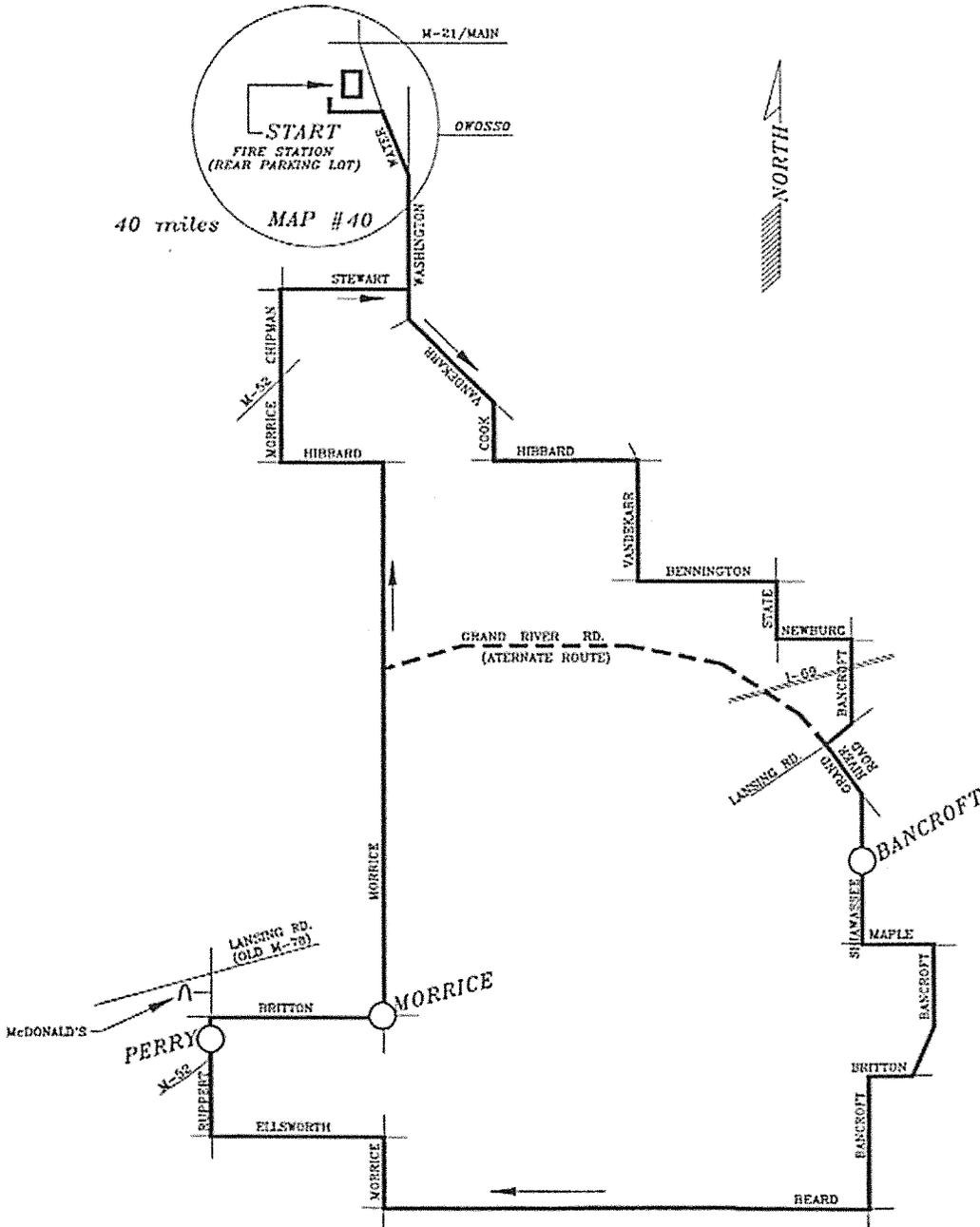


64.5 miles



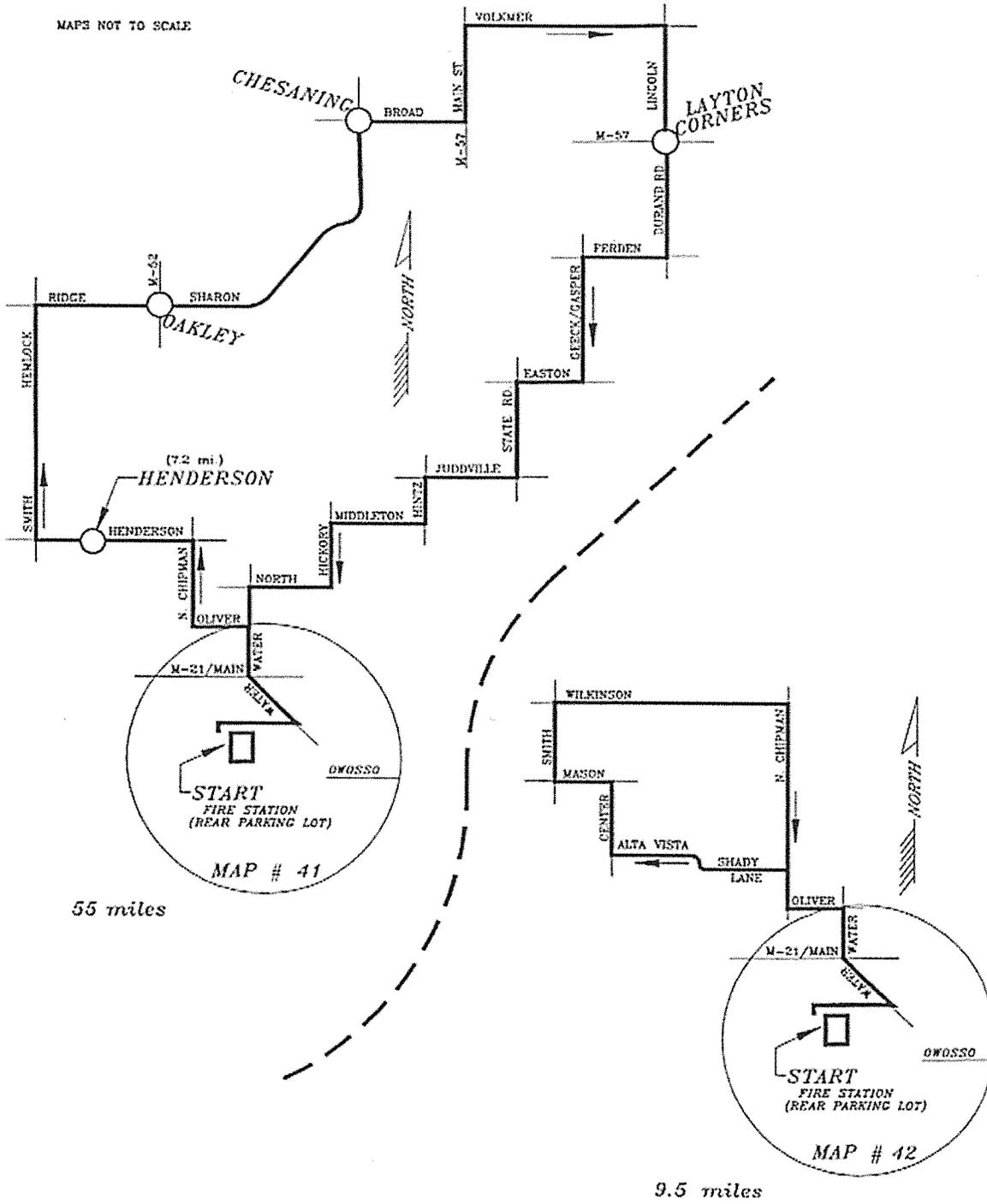
SHIAWASSEE FREEWHEELERS
BICYCLE CLUB

MAP NOT TO SCALE



SHIAWASSEE FREEWHEELERS
BICYCLE CLUB

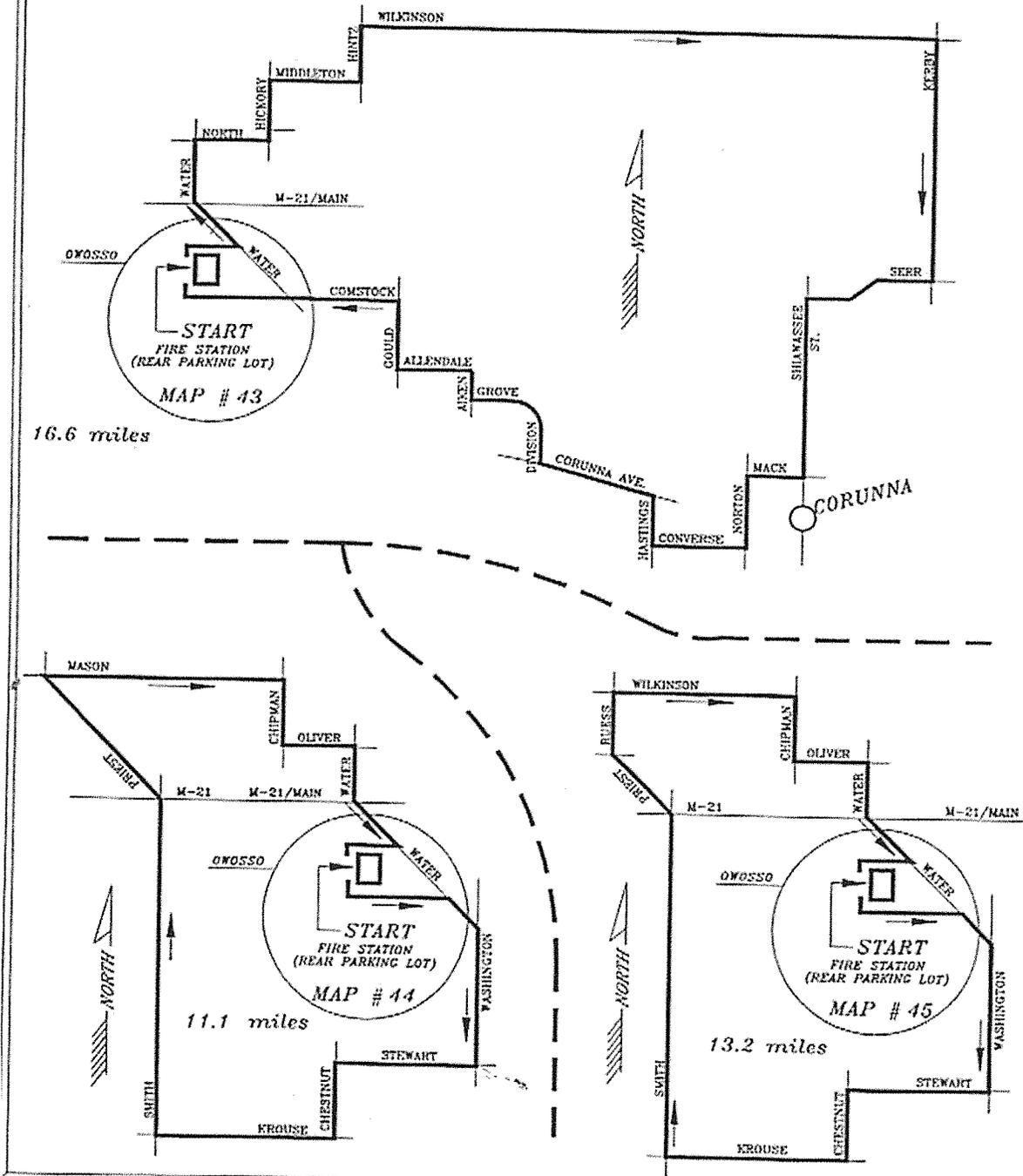
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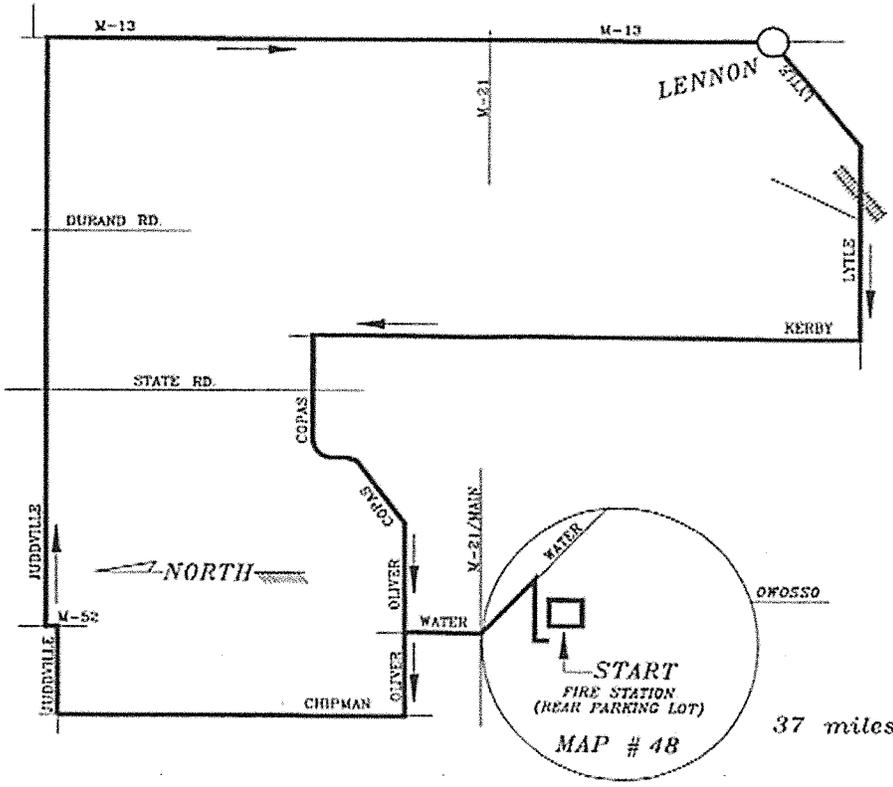
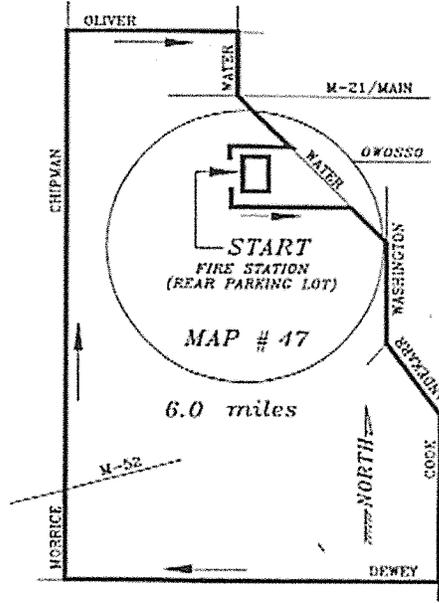
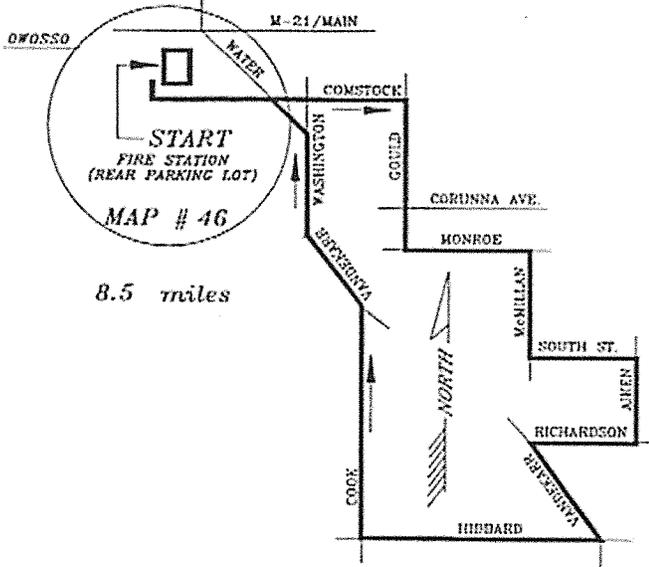
FW43444

MAPS NOT TO SCALE



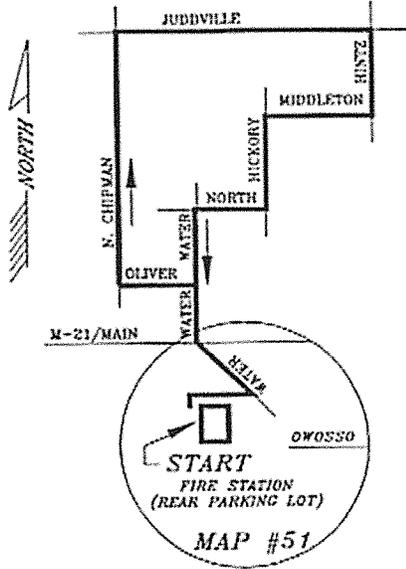
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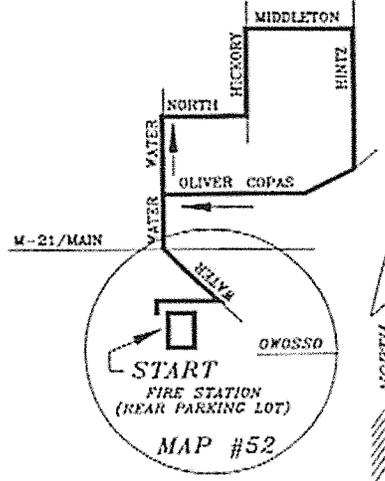


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BICYCLE CLUB

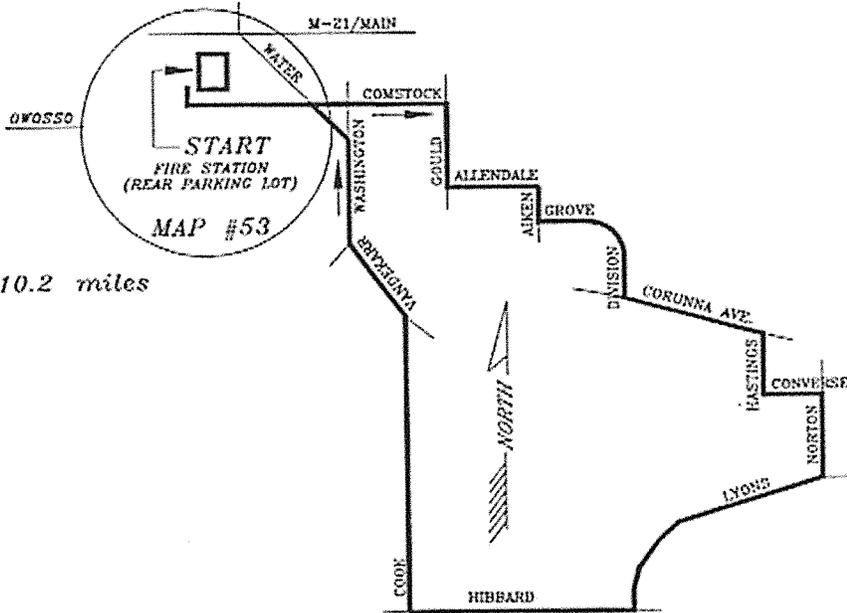
MAPS NOT TO SCALE



12.7 miles



5.9 miles

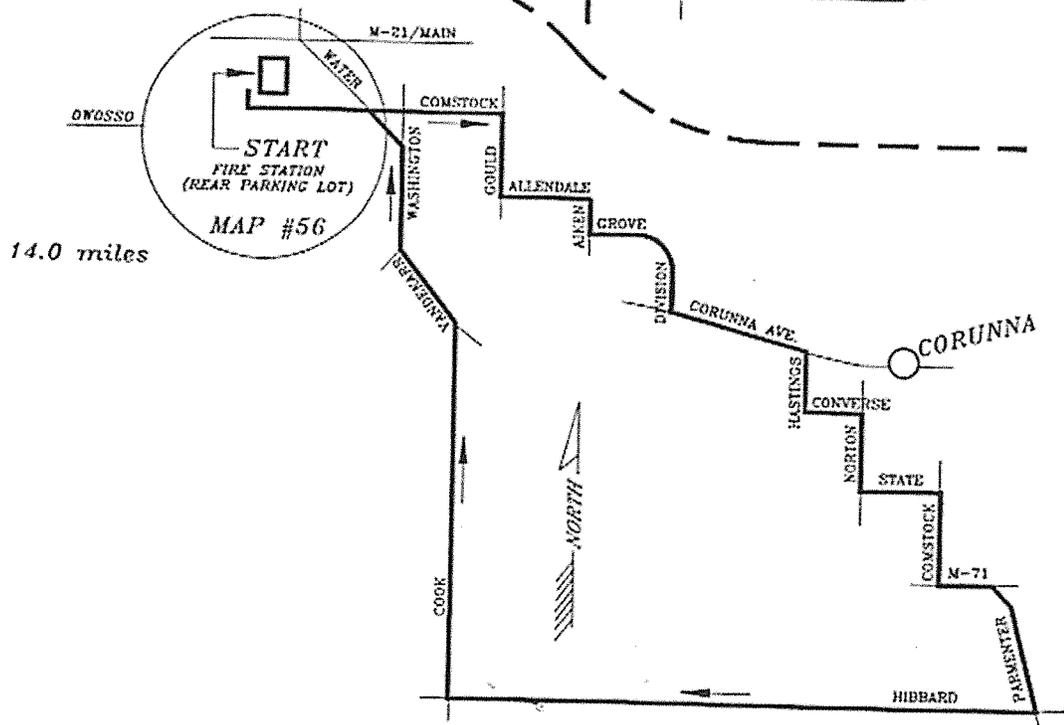
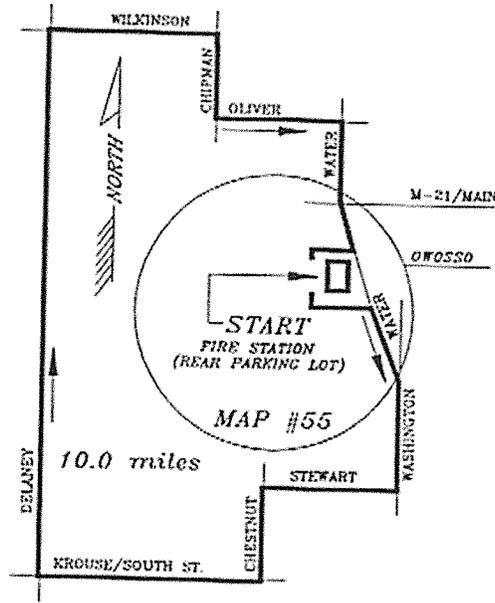
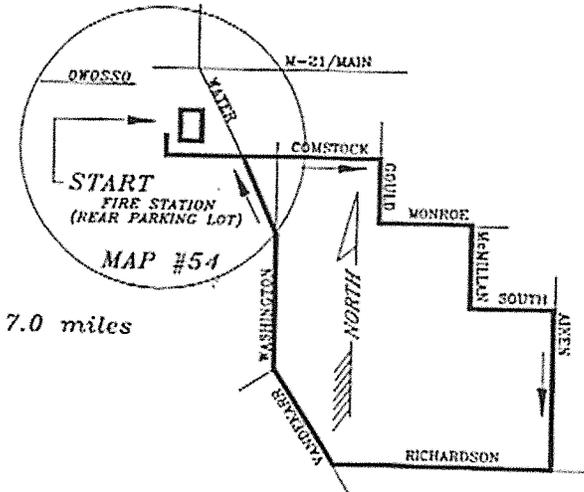


10.2 miles

SHIAWASSEE FREEWHEELERS

MCYCLE CLUB

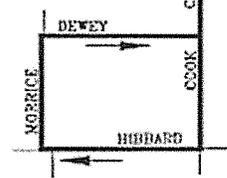
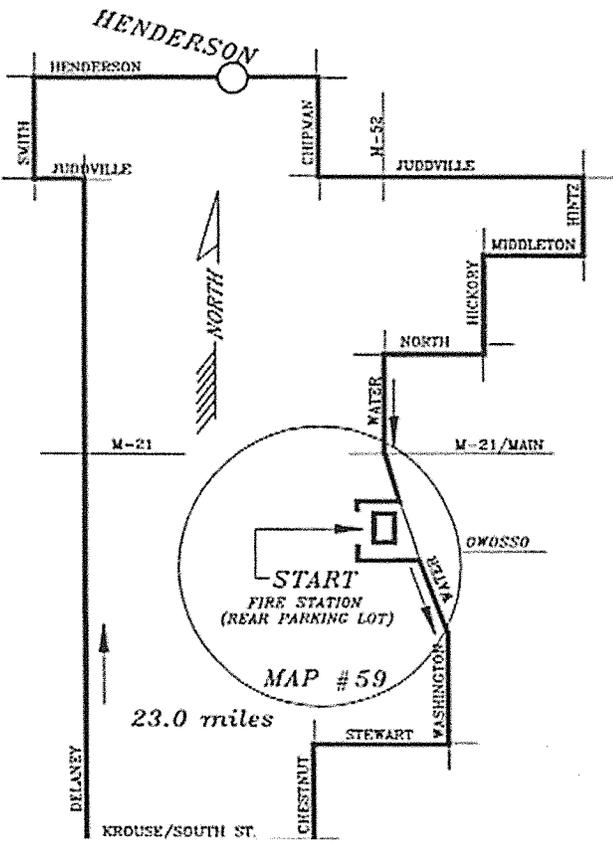
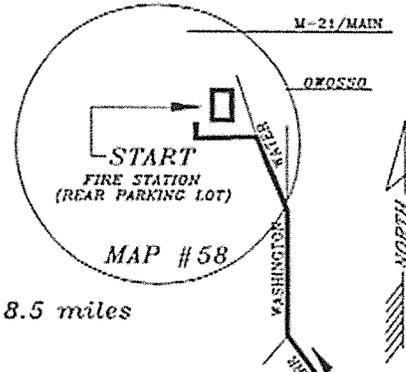
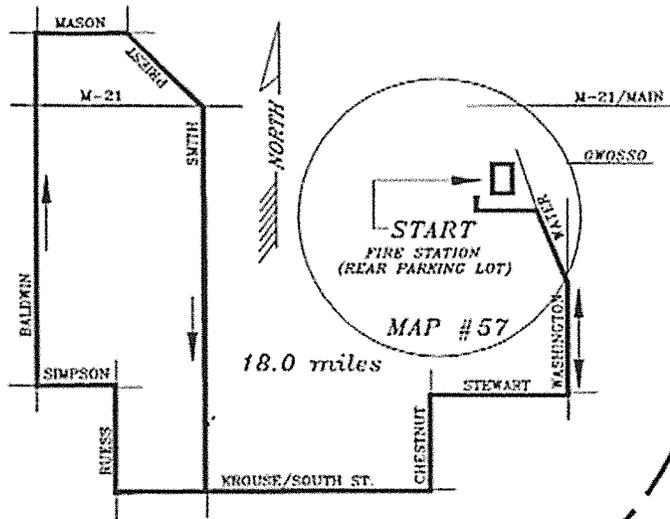
MAPS NOT TO SCALE



SHIAWASSEE FREEWHEELERS

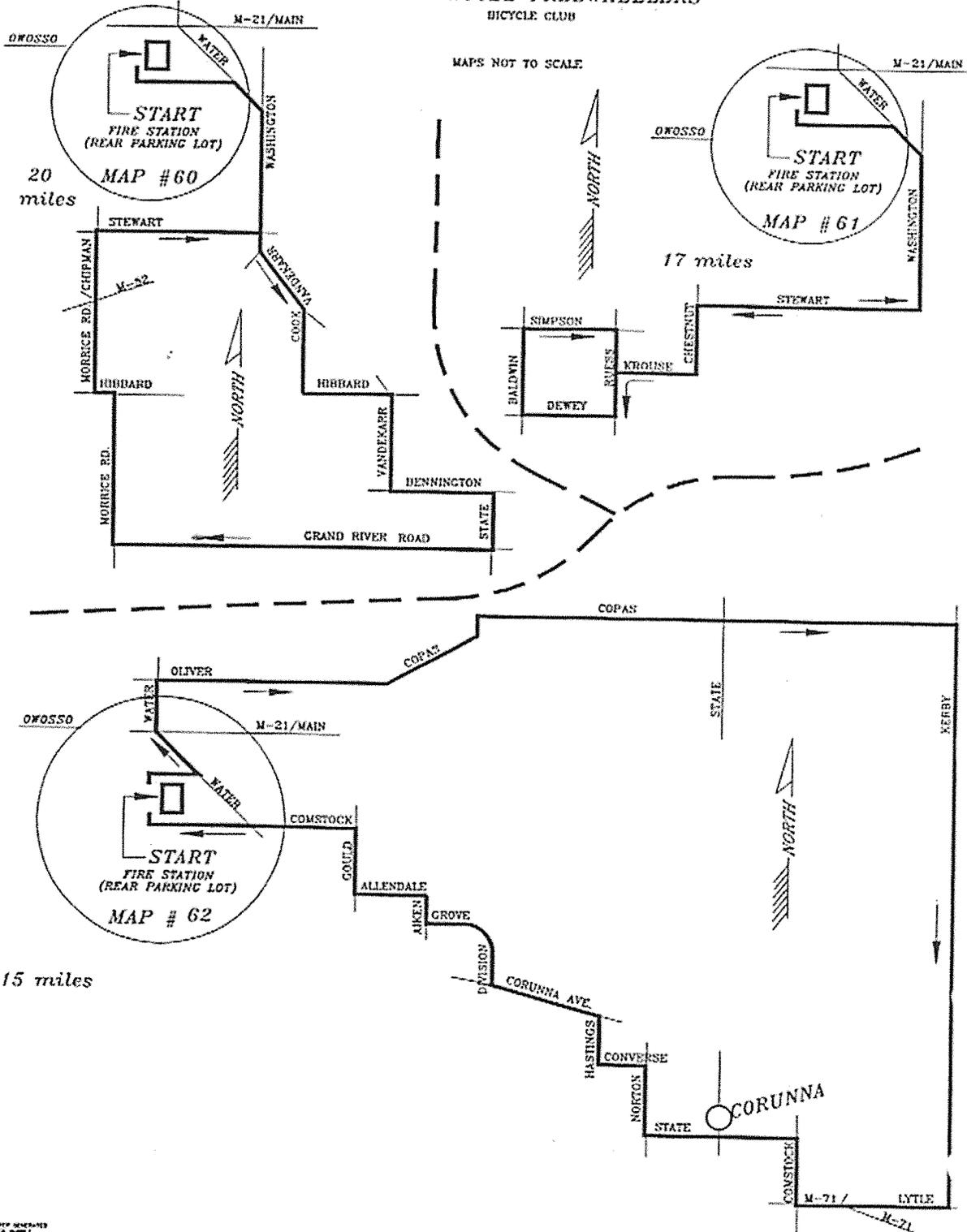
BICYCLE CLUB

MAPS NOT TO SCALE



SHIAWASSEE FREEWHEELERS
BICYCLE CLUB

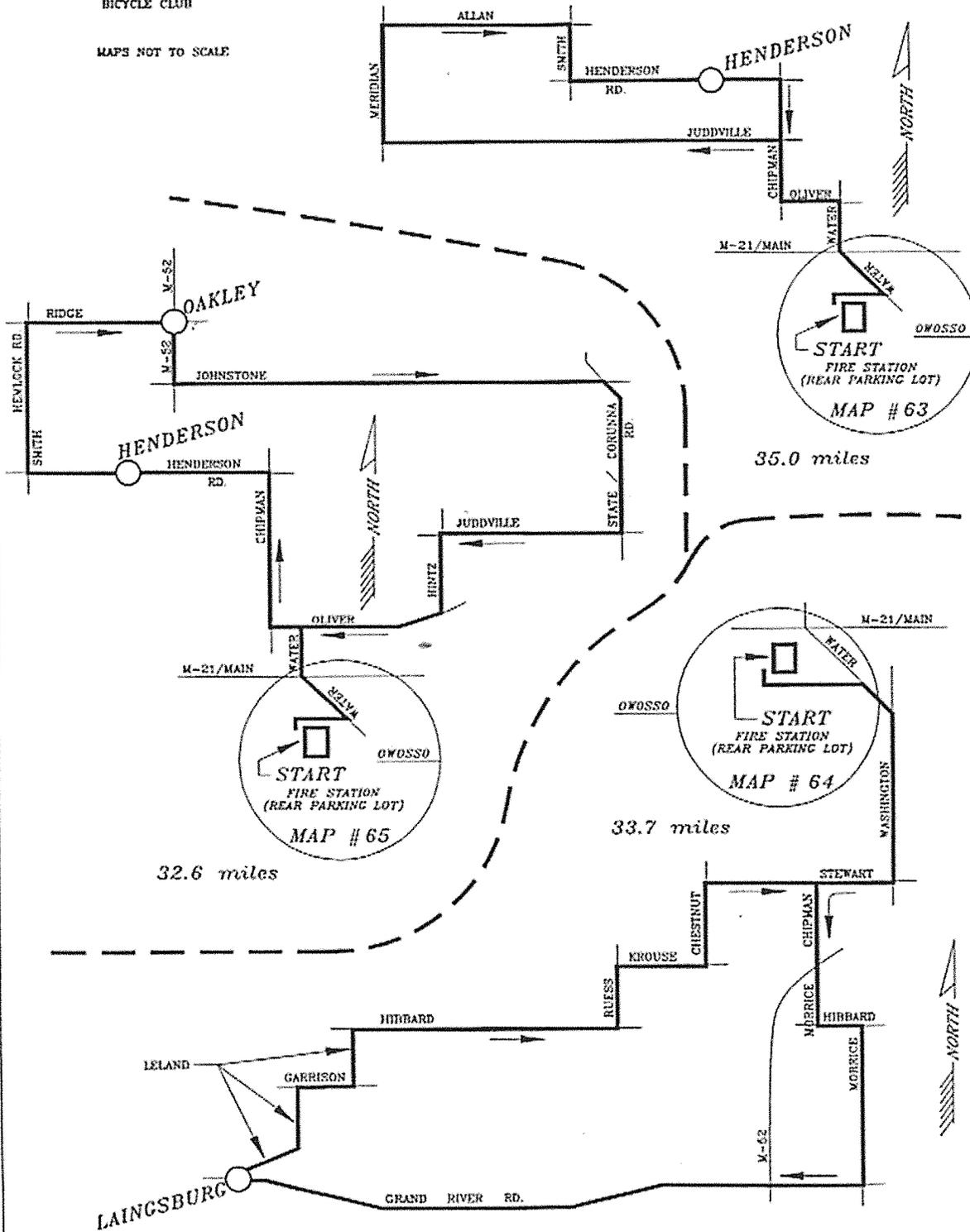
MAPS NOT TO SCALE



SHIAWASSEE FREEWHEELERS

BICYCLE CLUB

MAPS NOT TO SCALE



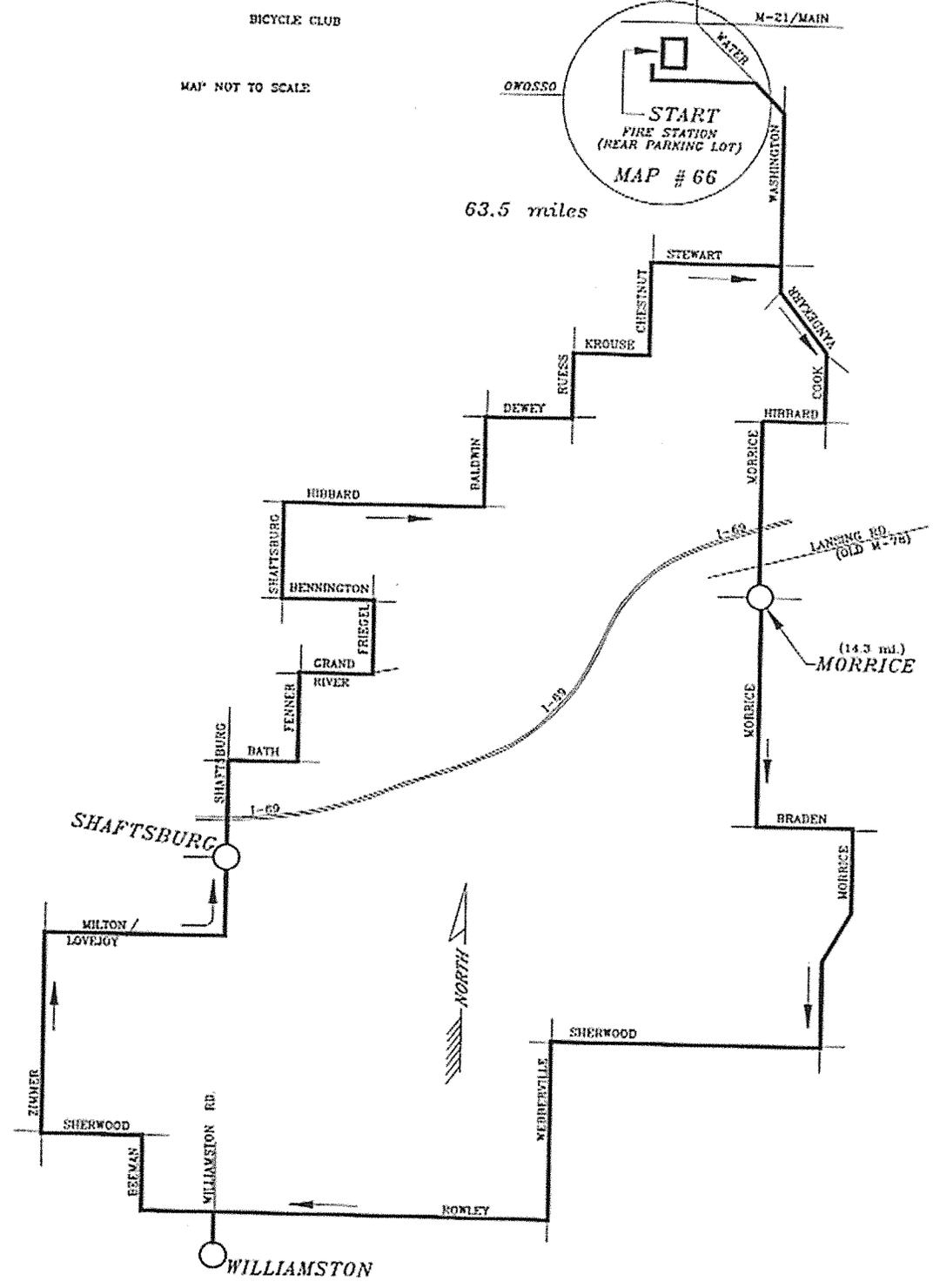
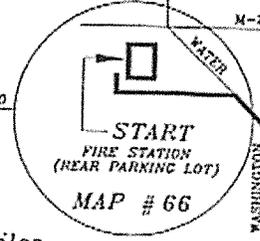
SHIAWASSEE FREEWHEELERS

BICYCLE CLUB

MAP NOT TO SCALE

OWOSSO

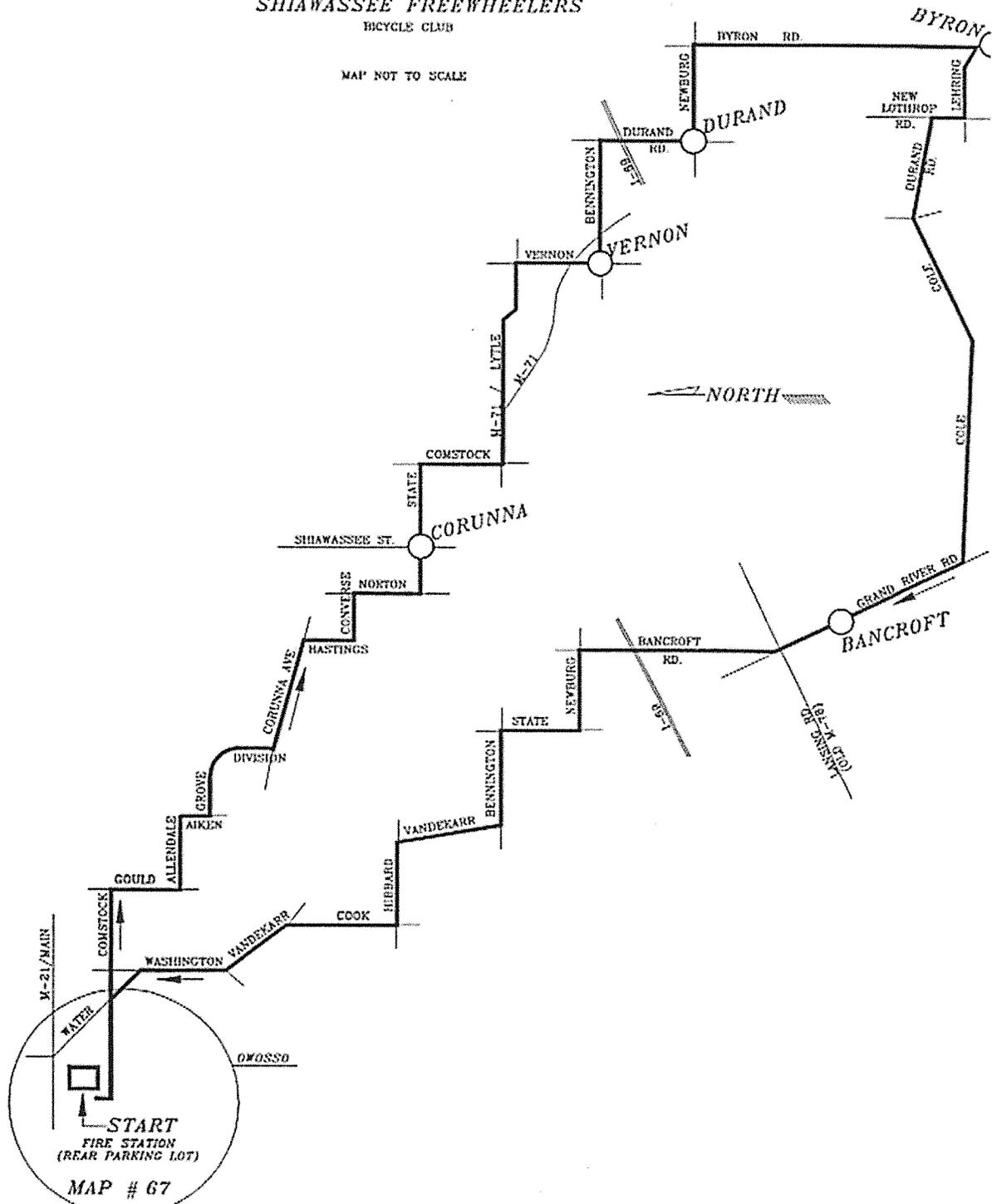
63.5 miles



SHIAWASSEE FREEWHEELERS

BICYCLE CLUB

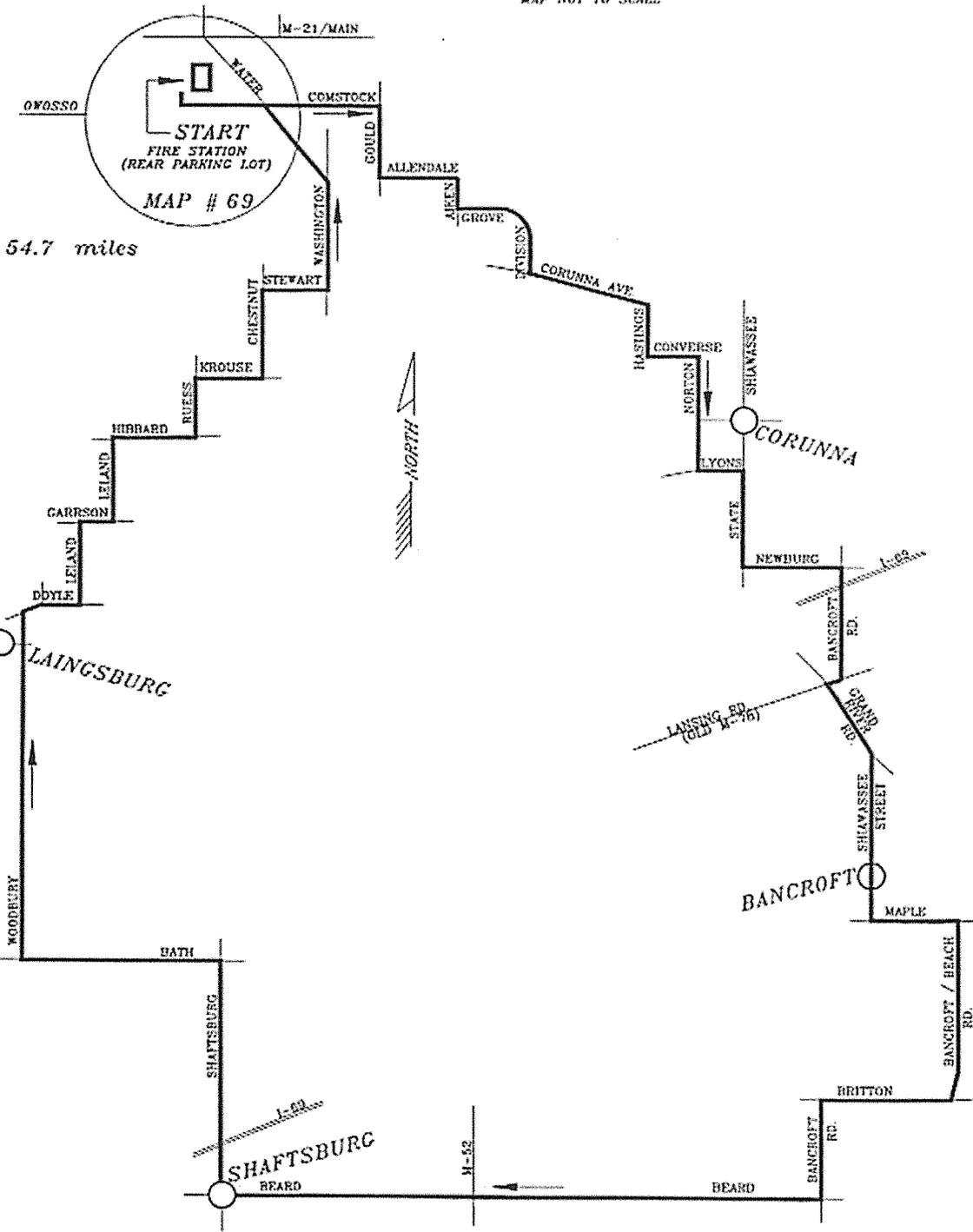
MAP NOT TO SCALE



45.2 miles

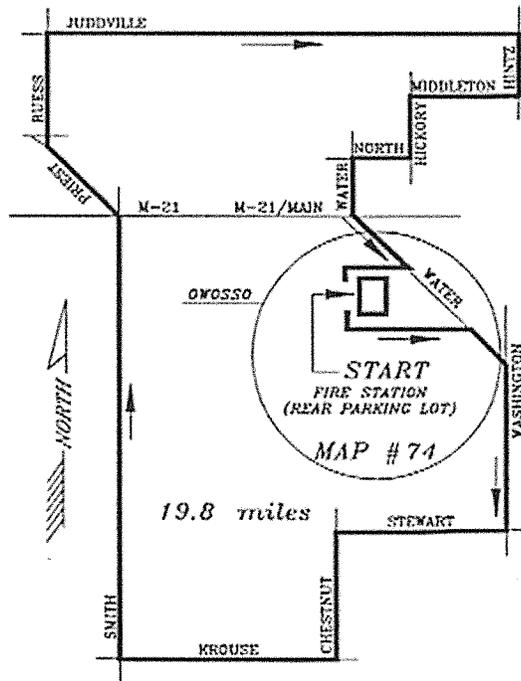
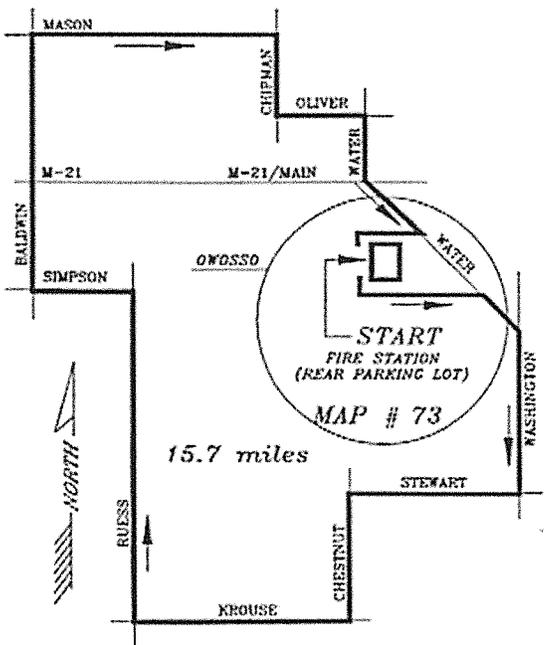
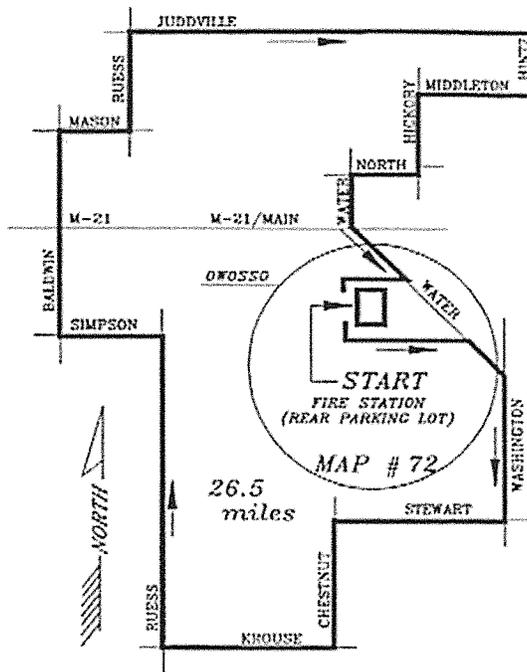
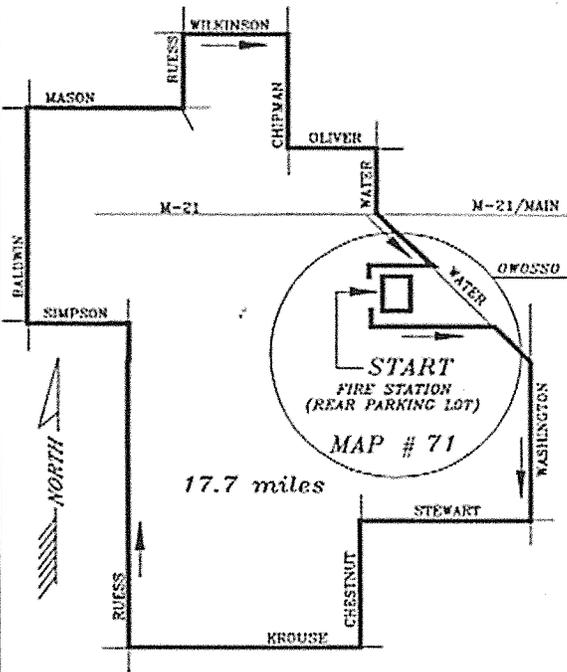
SHIAWASSEE FREEWHEELERS BICYCLE CLUB

MAP NOT TO SCALE



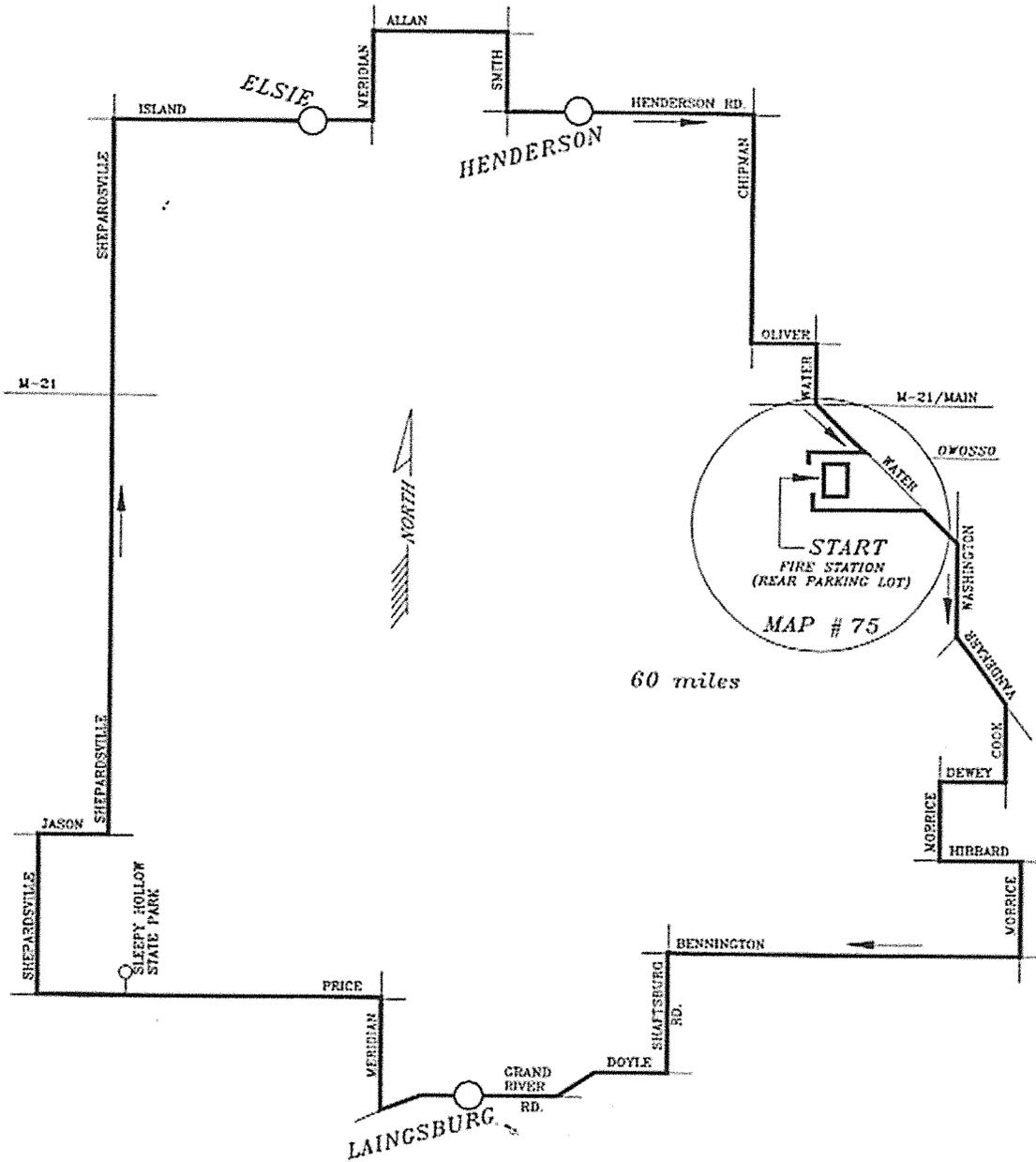
SHIAWASSEE FREEWHEELERS
BICYCLE CLUB

MAPS NOT TO SCALE



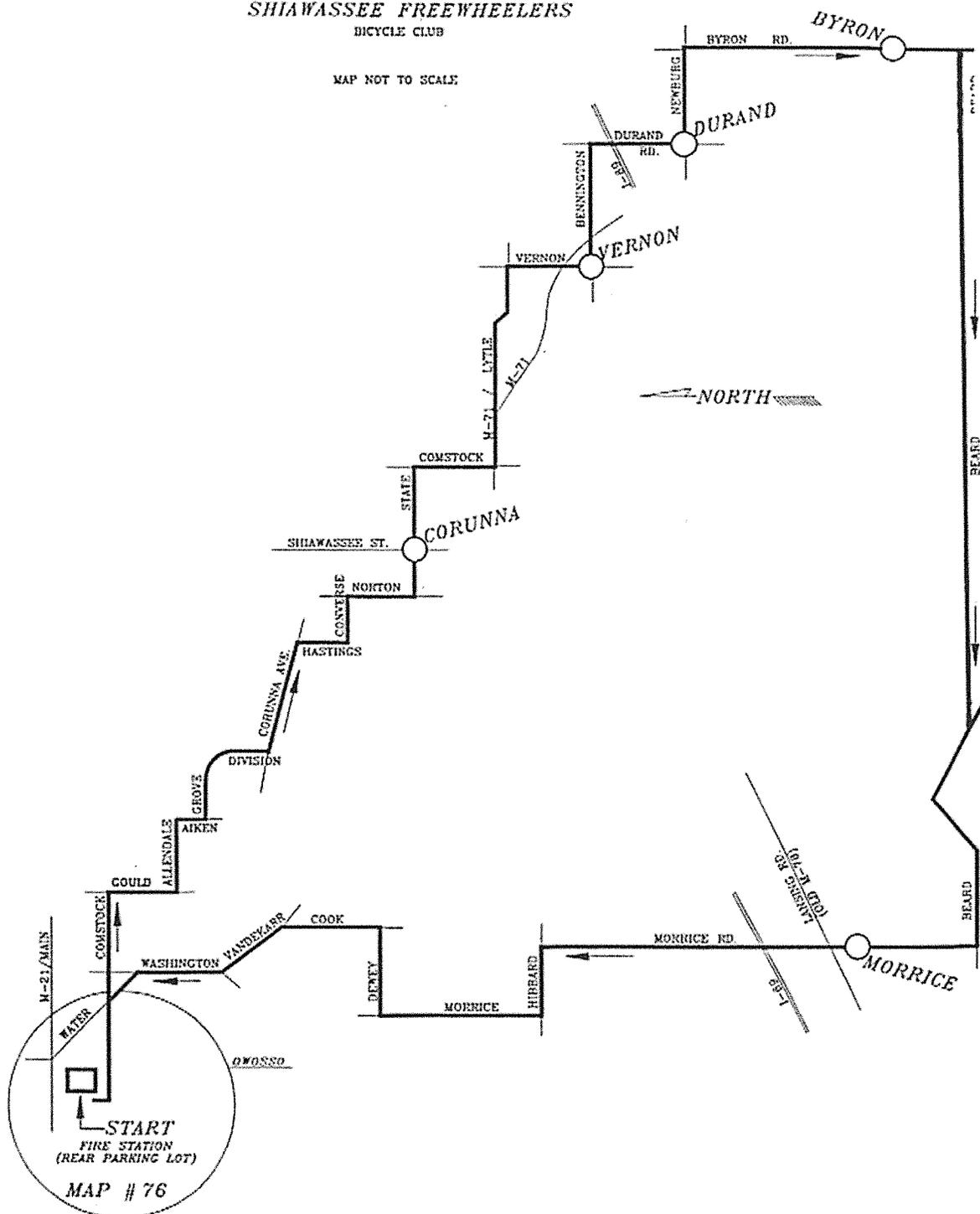
SHIAWASSEE FREEWHEELERS
BICYCLE CLUB

MAP NOT TO SCALE



SHIAWASSEE FREEWHEELERS
BICYCLE CLUB

MAP NOT TO SCALE

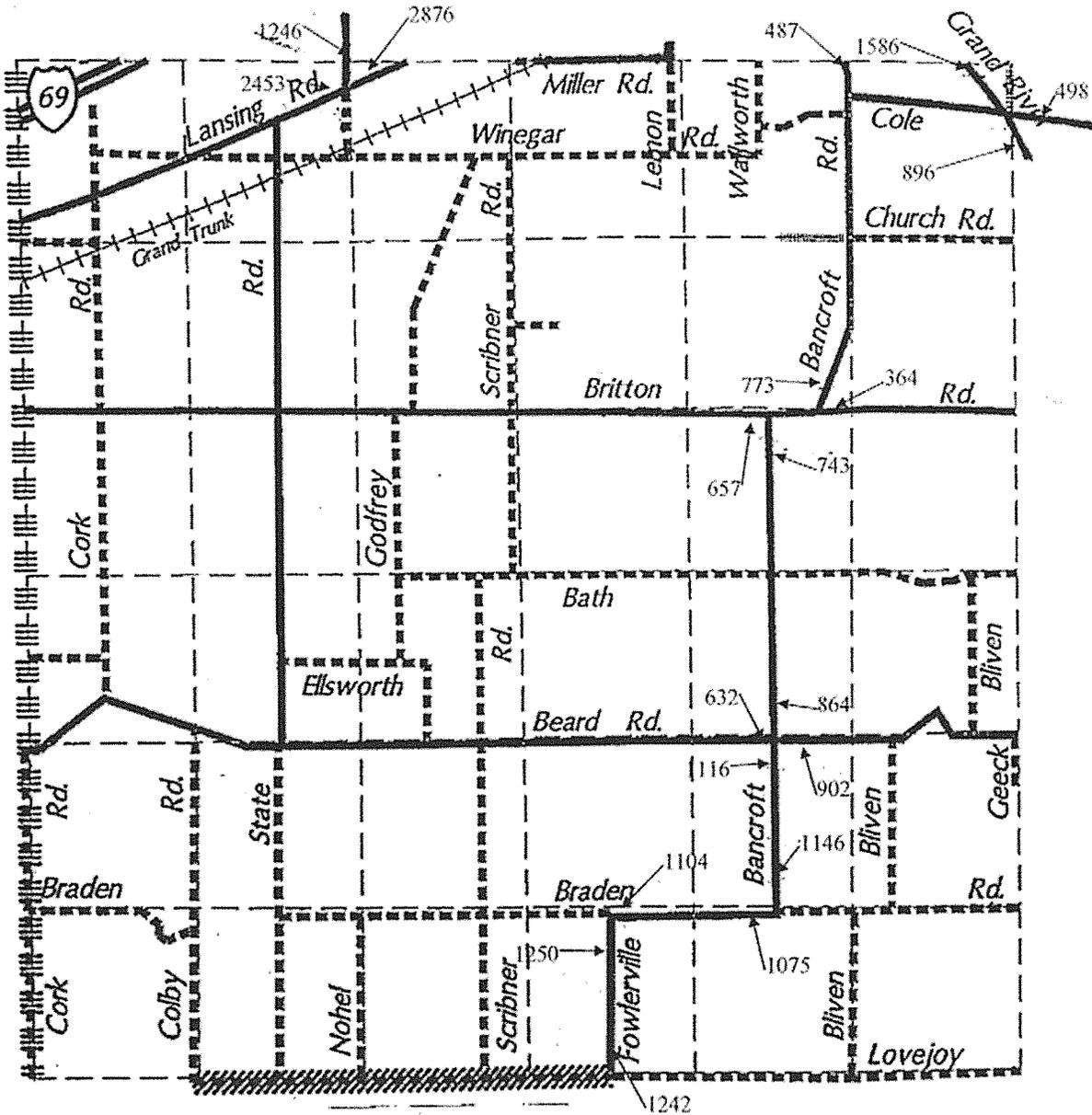


47 miles

END APPENDIX B—SHIAWASSEE FREEWHEELERS BIKE ROUTE ATLAS

APPENDIX C: Township Roads Traffic Counts and Gravel/Asphalt Surfaces Designation--a route planning reference tool

ANTRIM TOWNSHIP

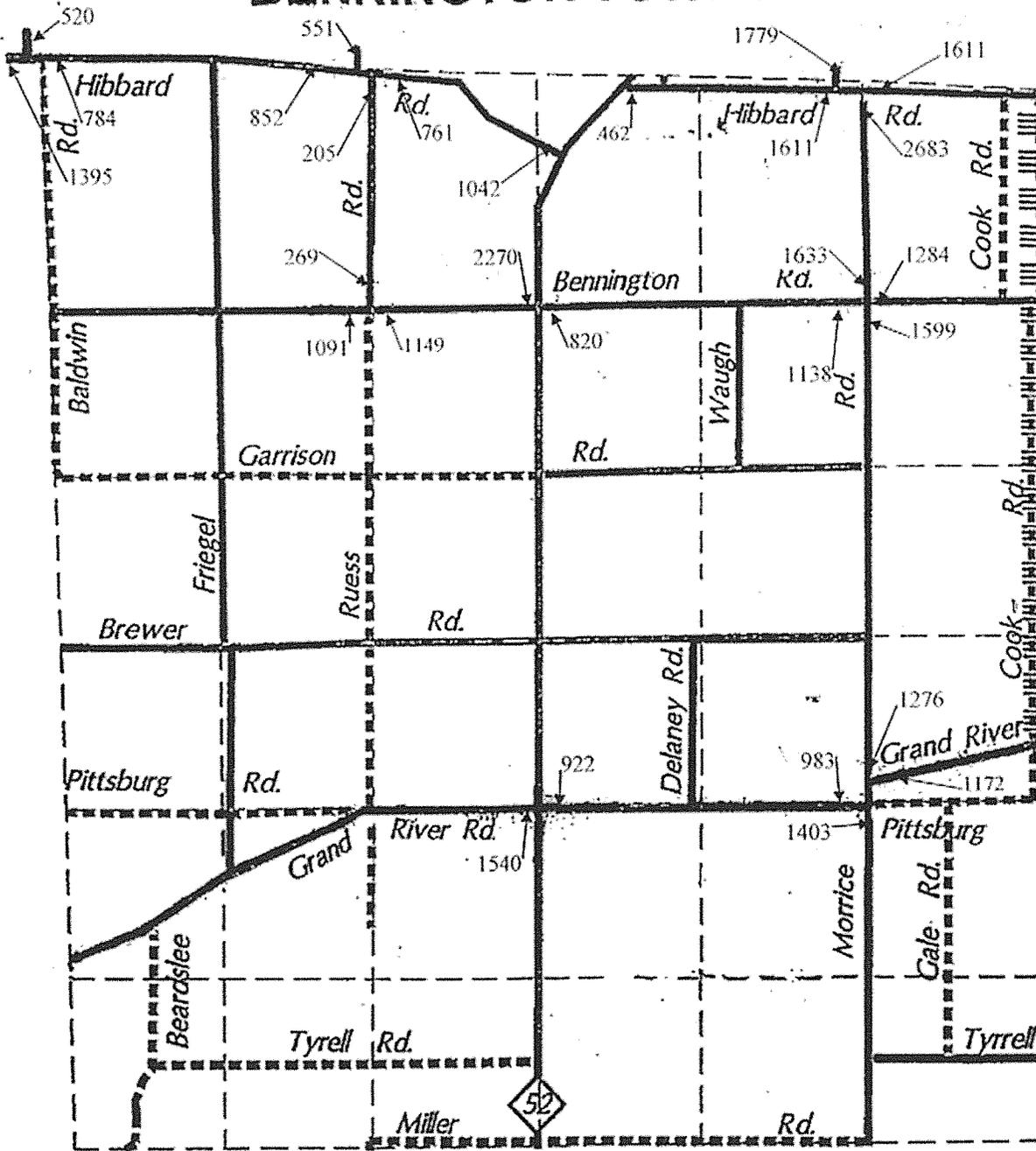


2015 YEAR TRAFFIC COUNT

x PRIMARY PAVE ROADS

LOCAL PAVE ROADS

BENNINGTON TOWNSHIP

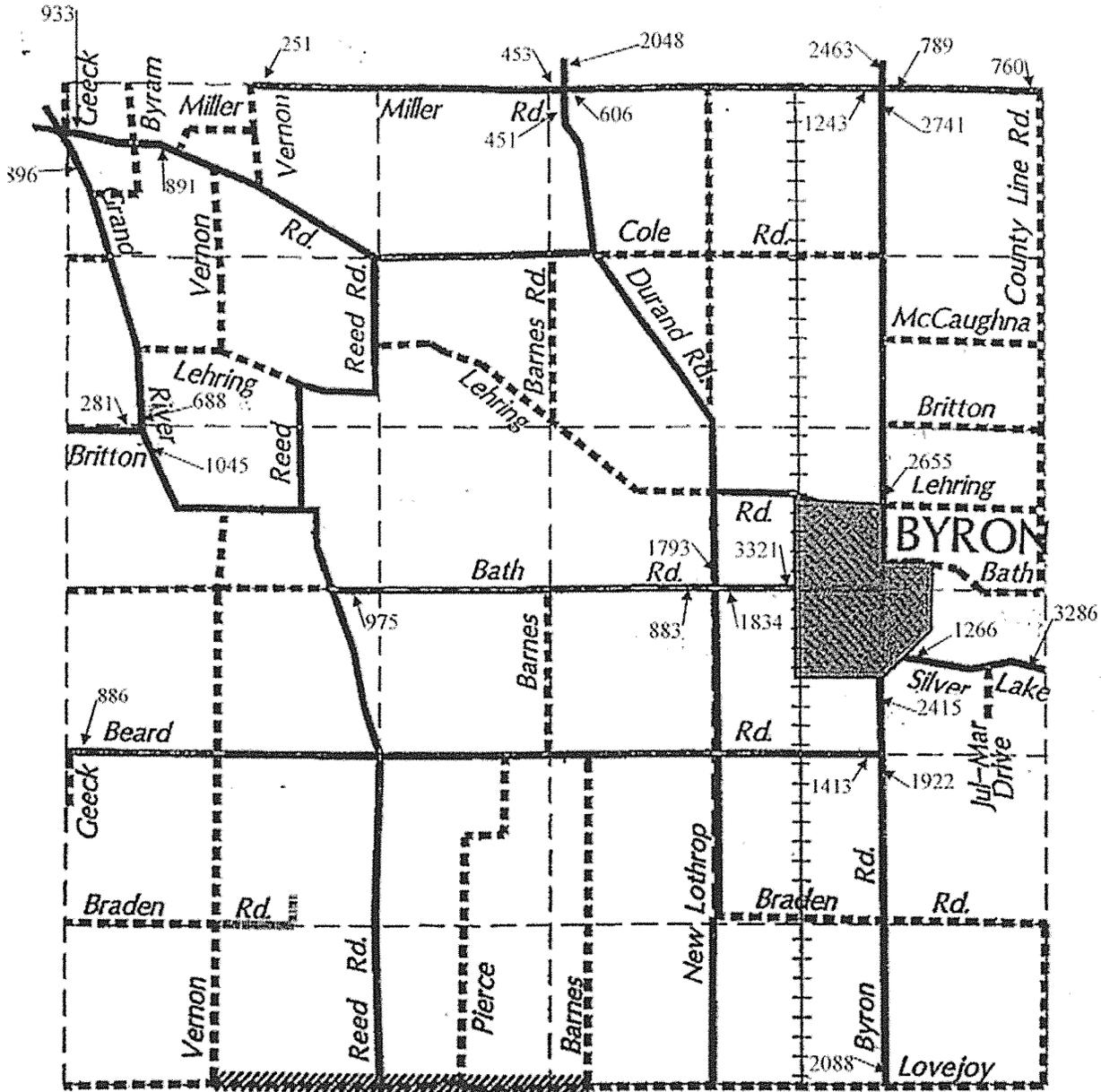


2015 YEAR TRAFFIC COUNT

x PRIMARY PAVE ROADS

LOCAL PAVE ROADS

BURNS TOWNSHIP

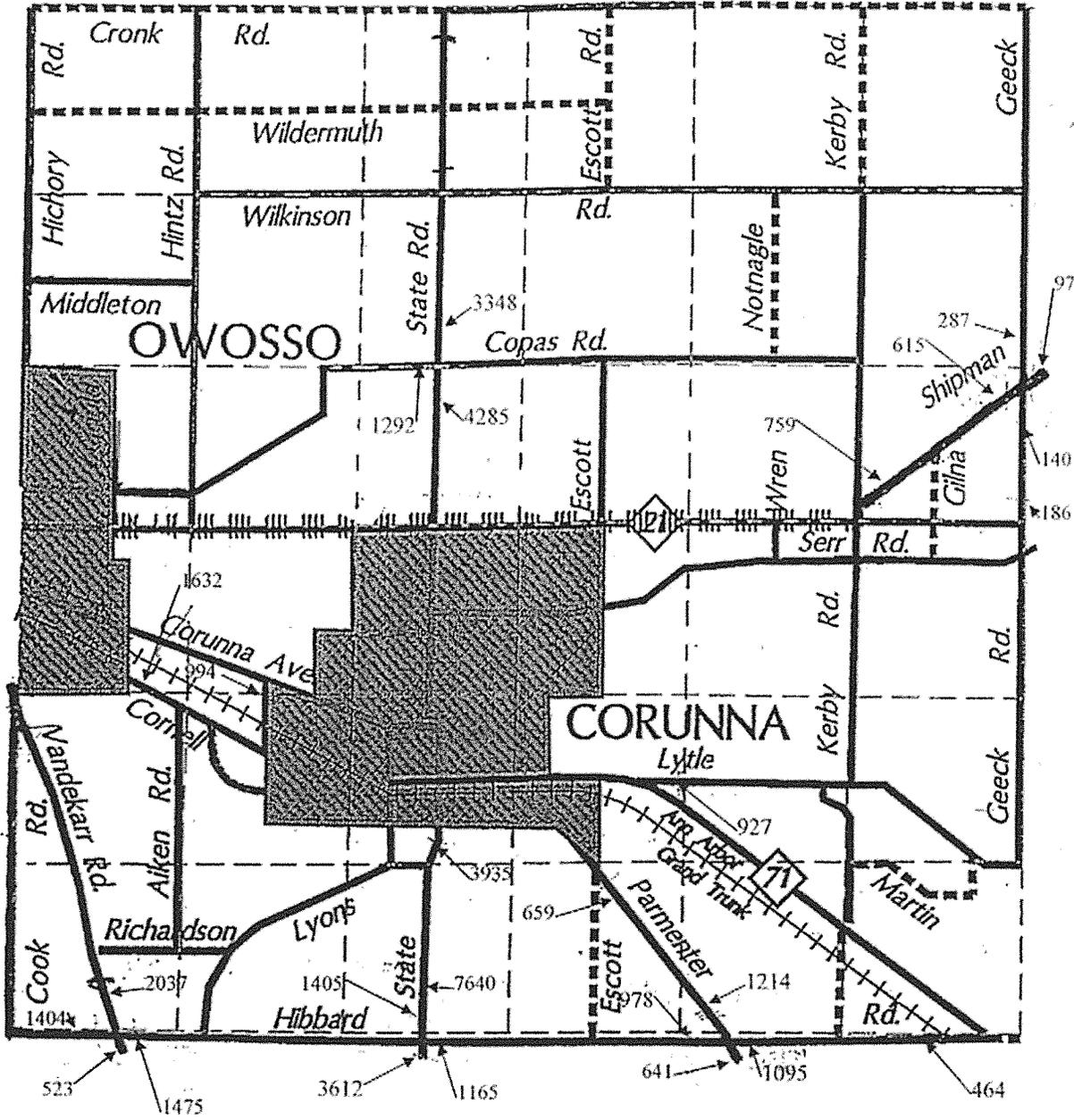


2015 YEAR TRAFFIC COUNT

 X PRIMARY PAVE ROADS

 LOCAL PAVE ROADS

CALEDONIA TOWNSHIP

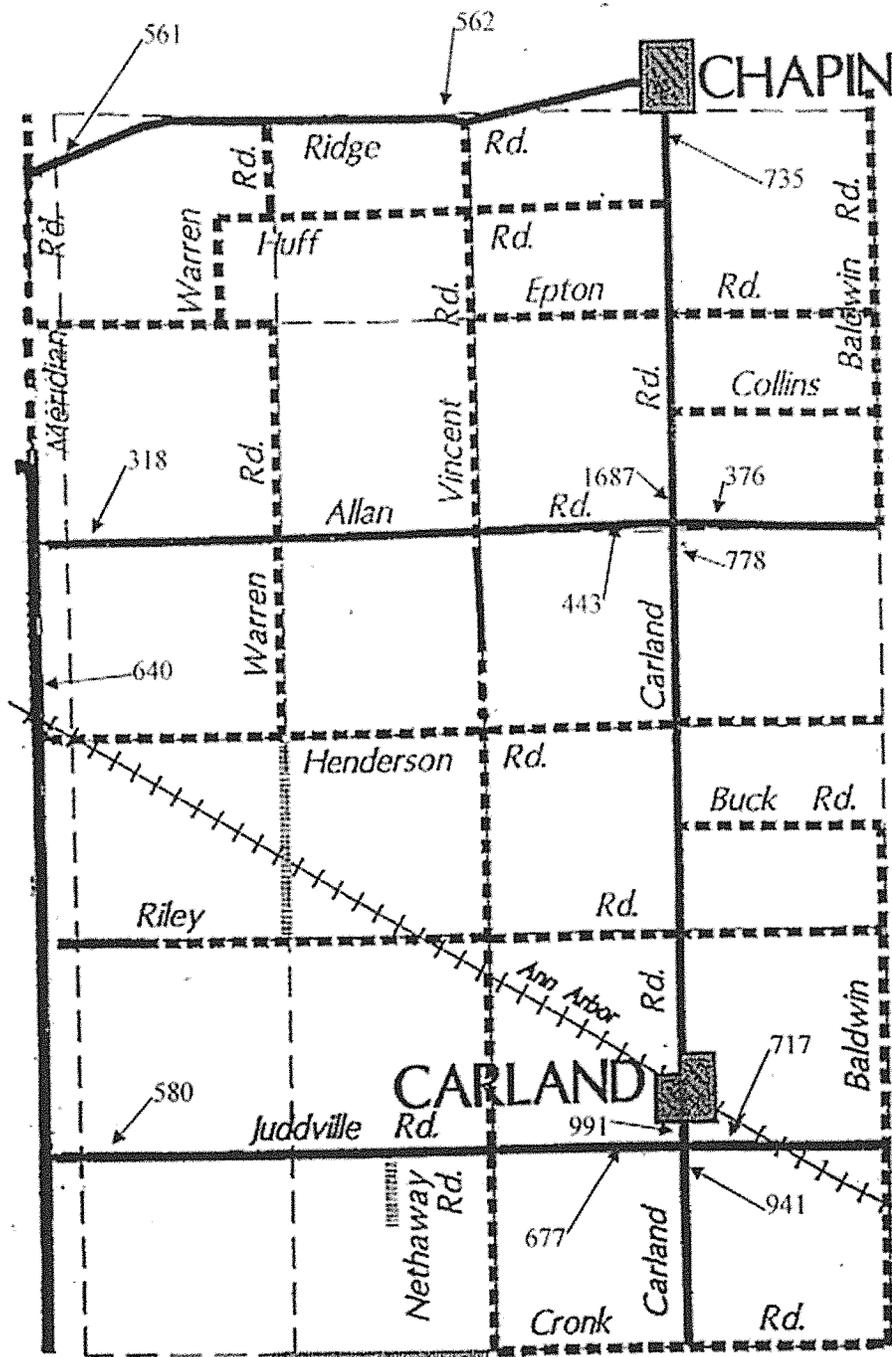


2015 YEAR TRAFFIC COUNT

x PRIMARY PAVE ROADS

LOCAL PAVE ROADS

FAIRFEILD TOWNSHIP

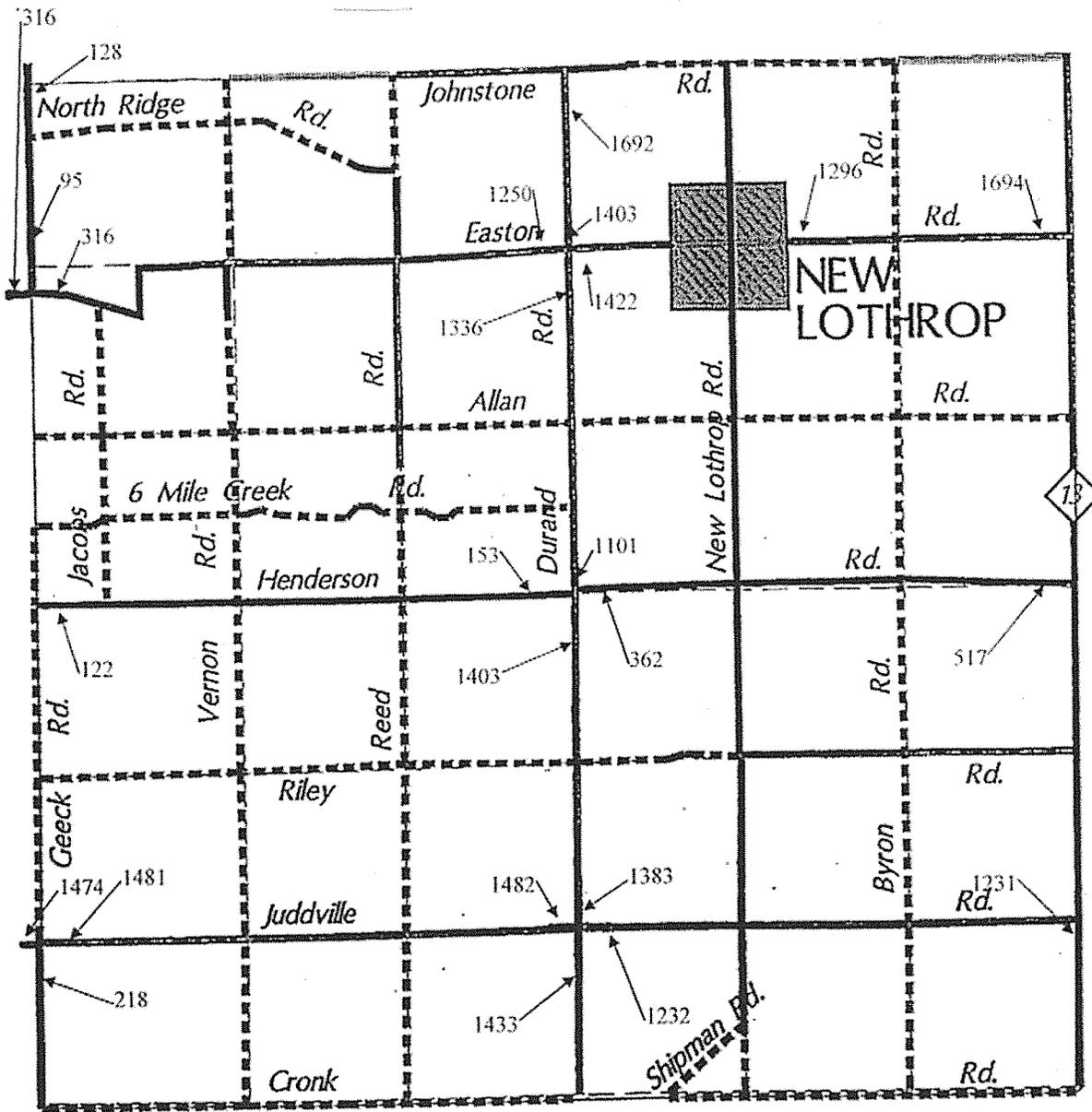


2015 YEAR TRAFFIC COUNT

X PRIMARY PAVE ROADS

LOCAL PAVE ROADS

HAZELTON TOWNSHIP

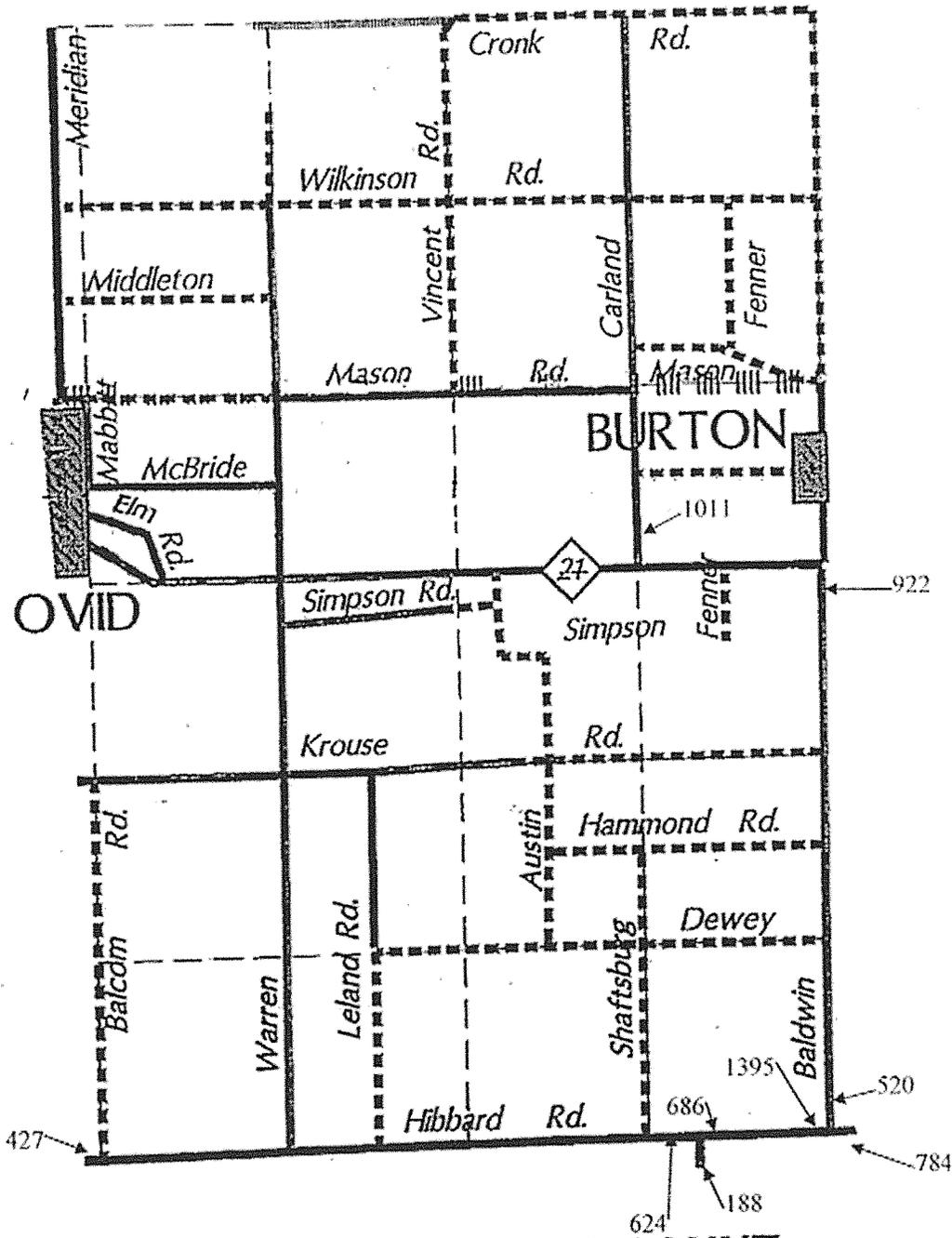


2015 YEAR TRAFFIC COUNT

X PRIMARY PAVE ROADS

____ LOCAL PAVE ROADS

MIDDLEBURY TOWNSHIP

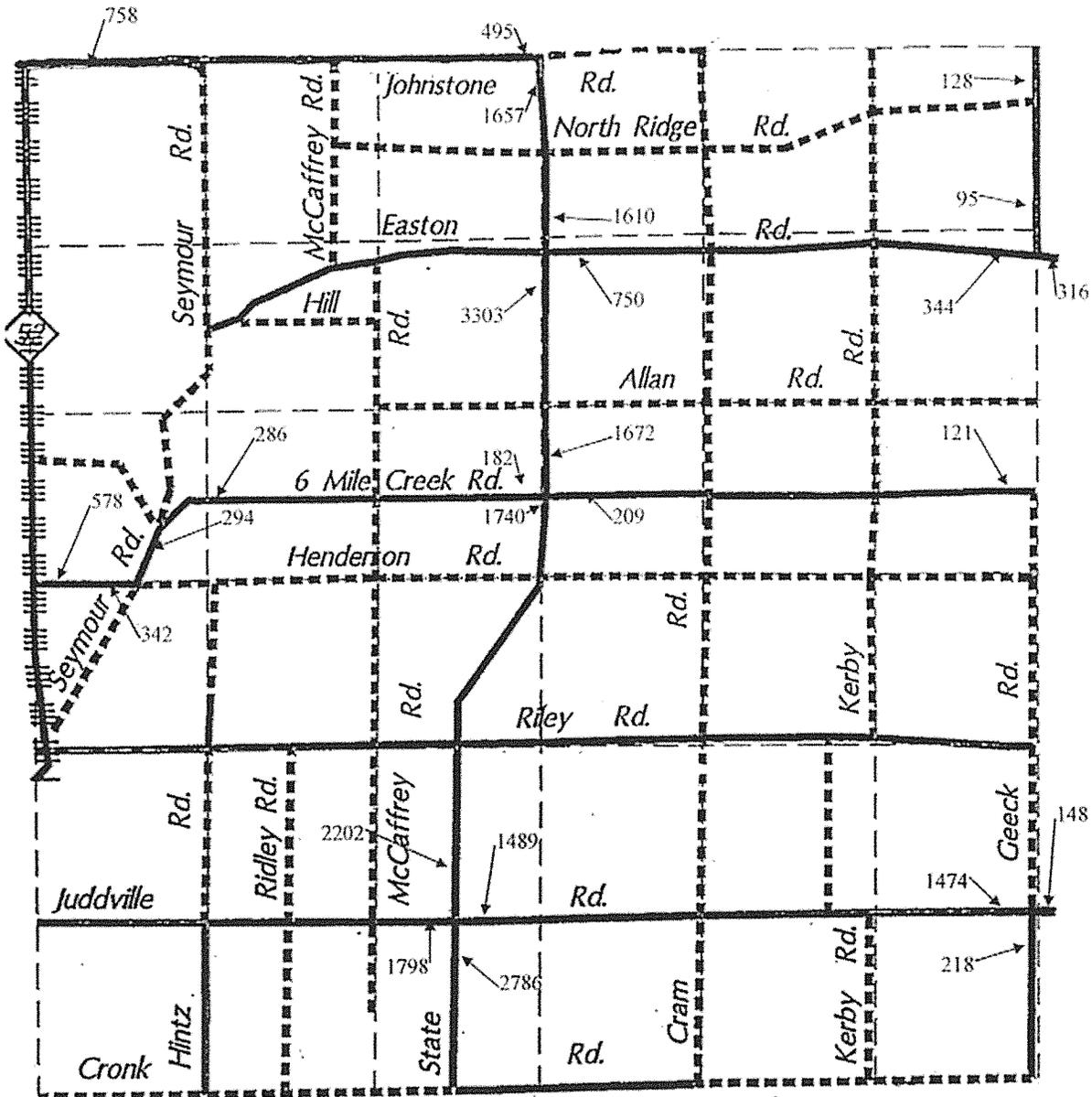


2015 YEAR TRAFFIC COUNT

X PRIMARY PAVE ROADS

LOCAL PAVE ROADS

NEWHAVEN TOWNSHIP

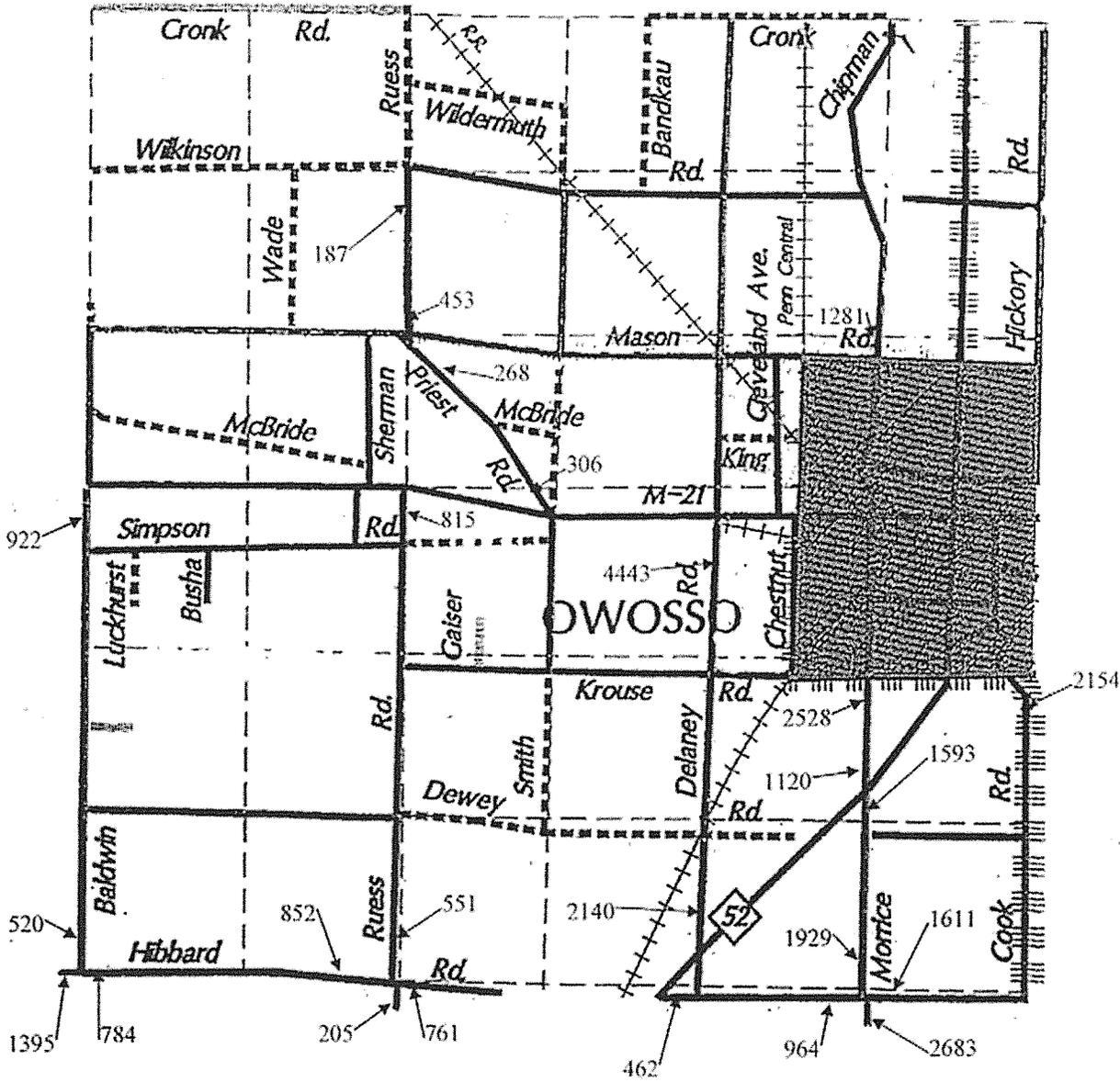


2015 YEAR TRAFFIC COUNT

X PRIMARY PAVE ROADS

LOCAL PAVE ROADS

OWOSSO TOWNSHIP

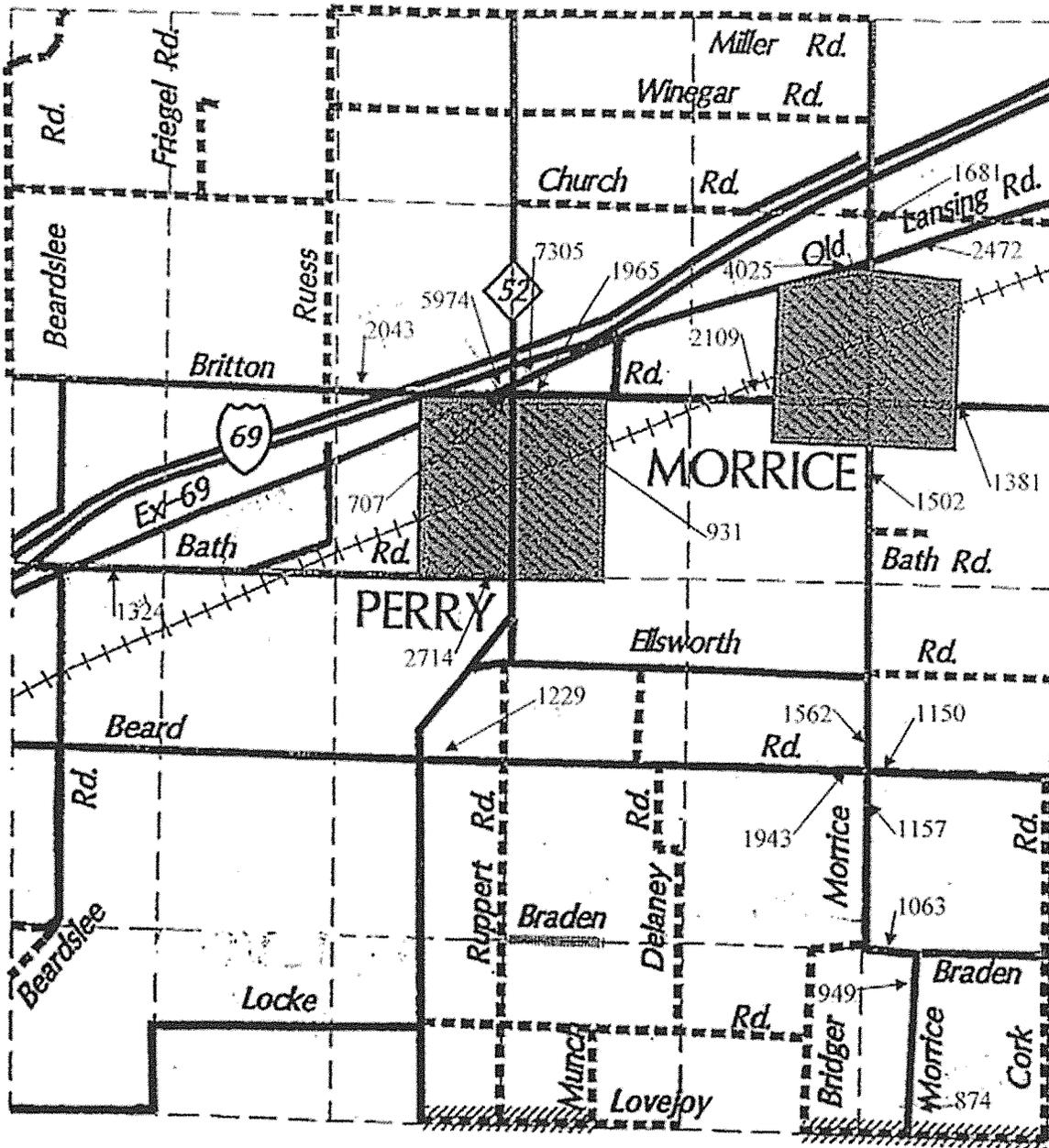


2015 YEAR TRAFFIC COUNT

X PRIMARY PAVE ROADS

LOCAL PAVE ROADS

PERRY TOWNSHIP

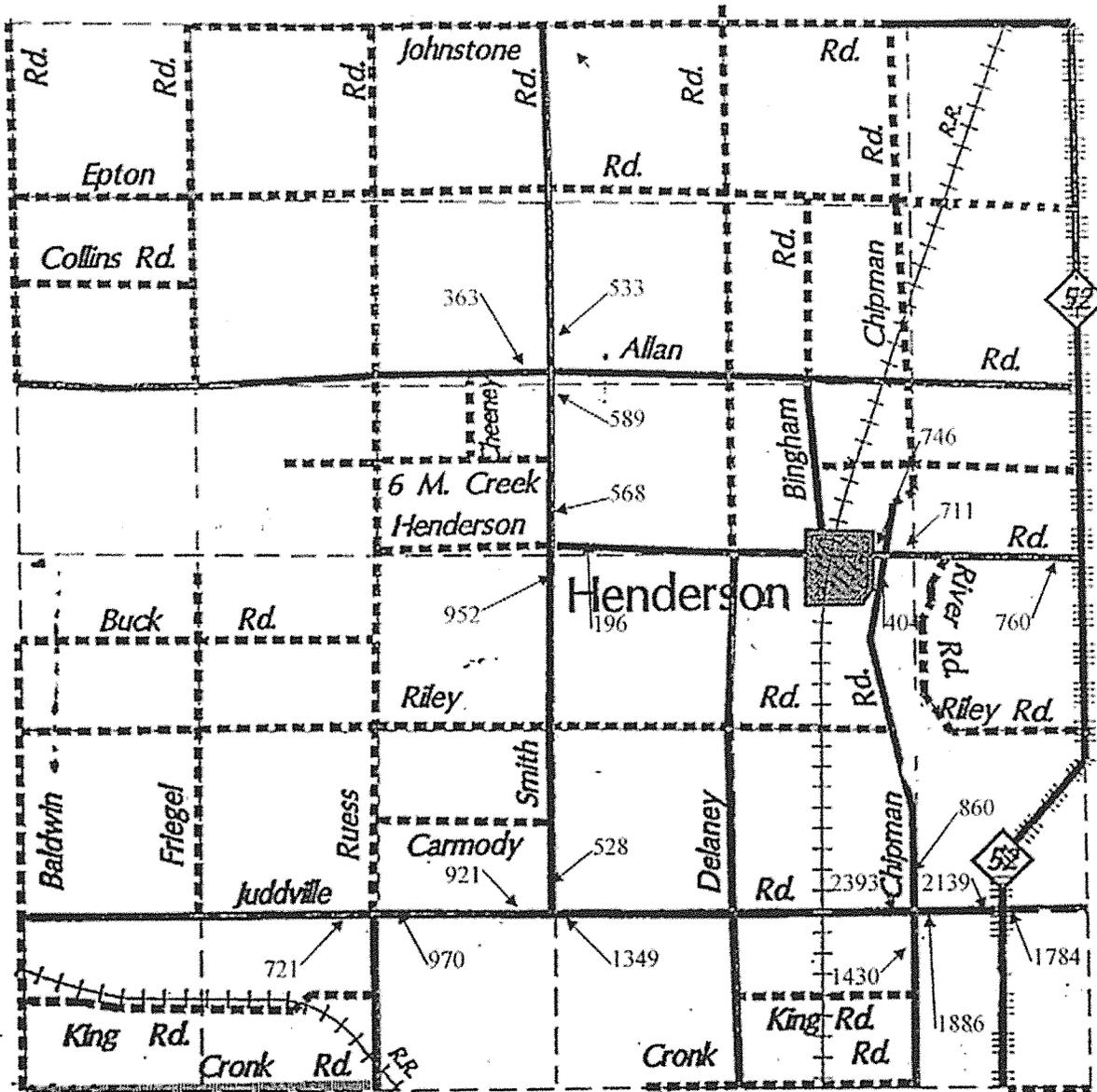


2015 YEAR TRAFFIC COUNT

X PRIMARY PAVE ROADS

LOCAL PAVE ROADS

RUSH TOWNSHIP

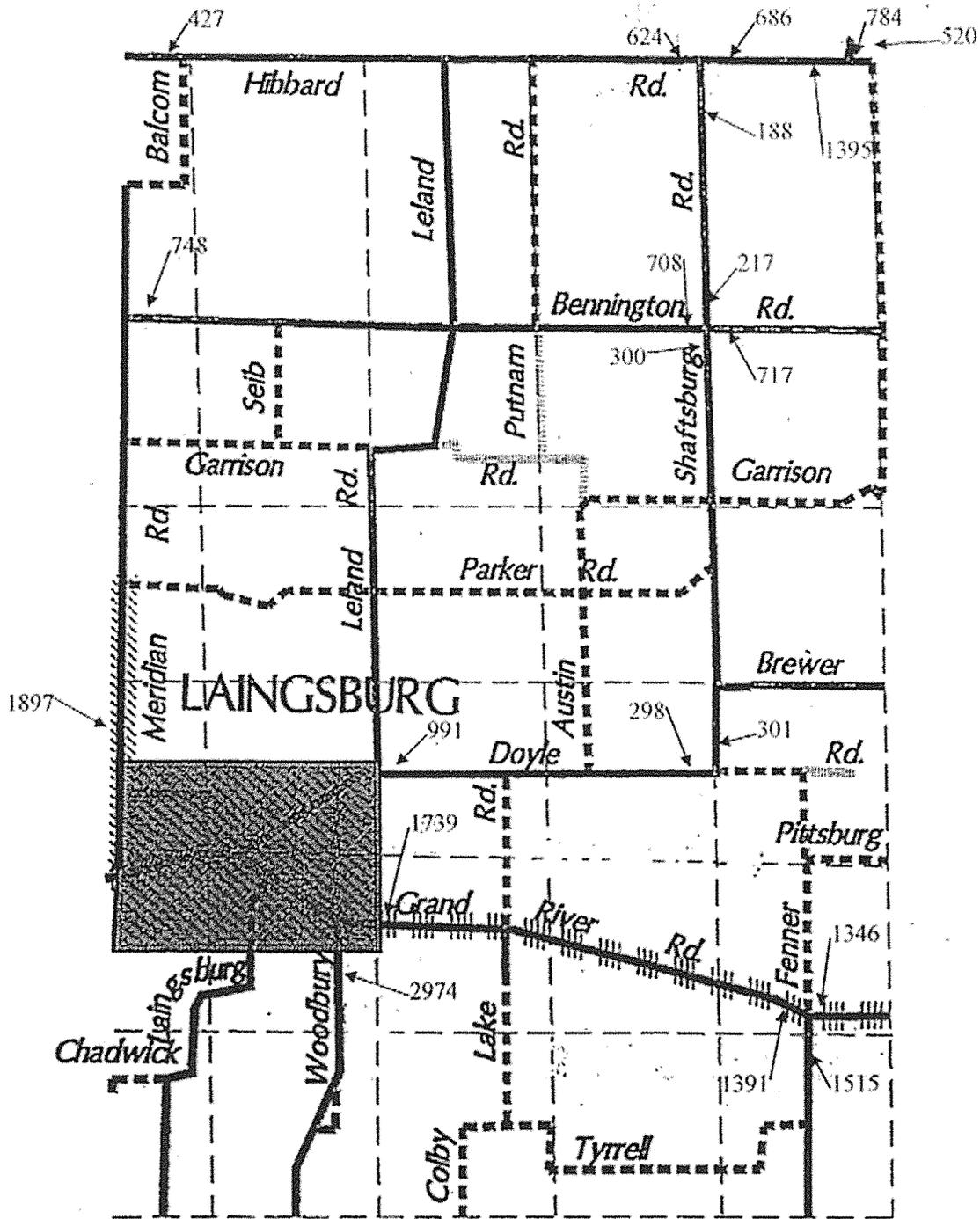


2015 YEAR TRAFFIC COUNT

 X PRIMARY PAVE ROADS

 LOCAL PAVE ROADS

SCIOTA TOWNSHIP

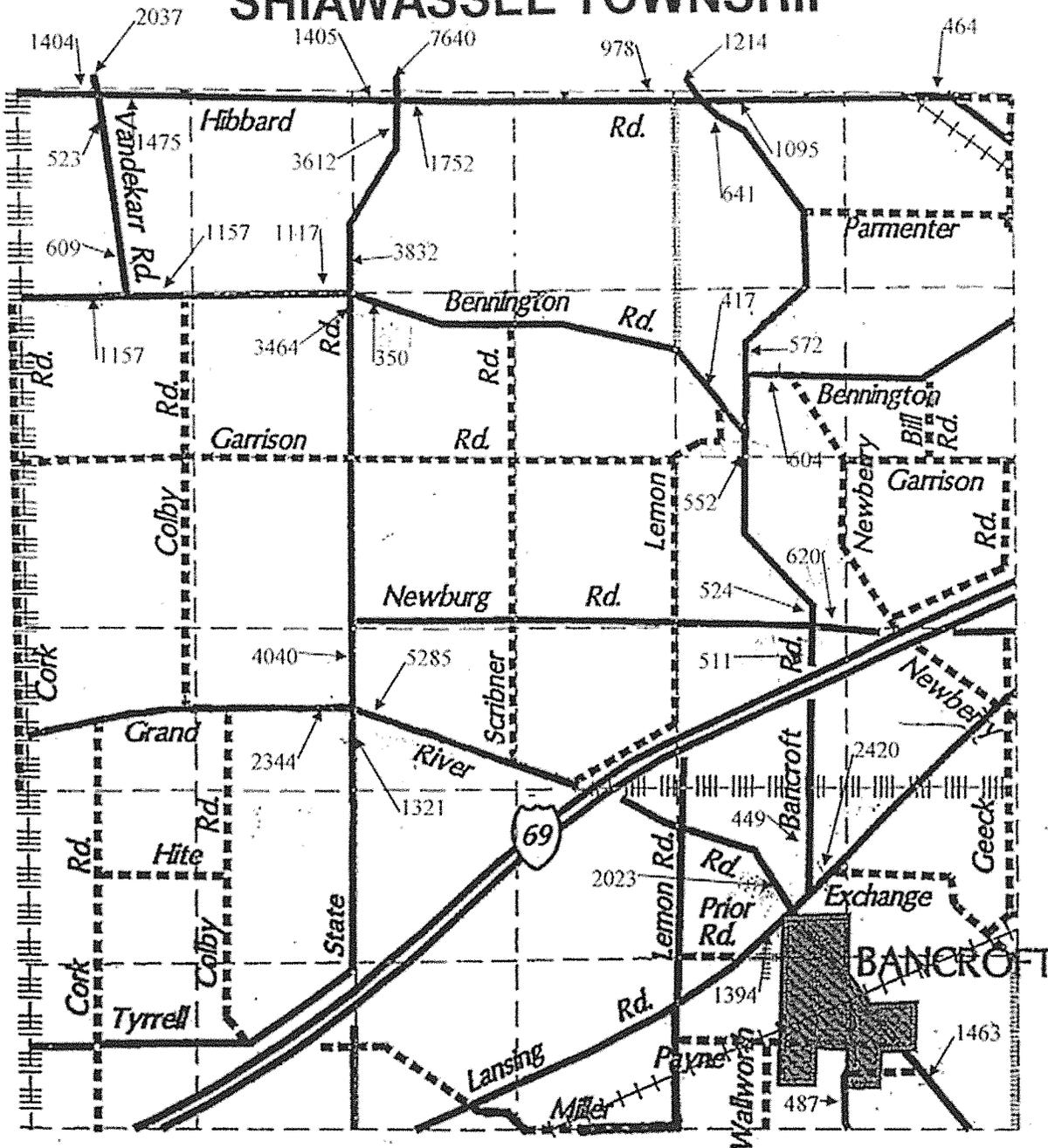


2015 YEAR TRAFFIC COUNT

X PRIMARY PAVE ROADS

LOCAL PAVE ROADS

SHIAWASSEE TOWNSHIP

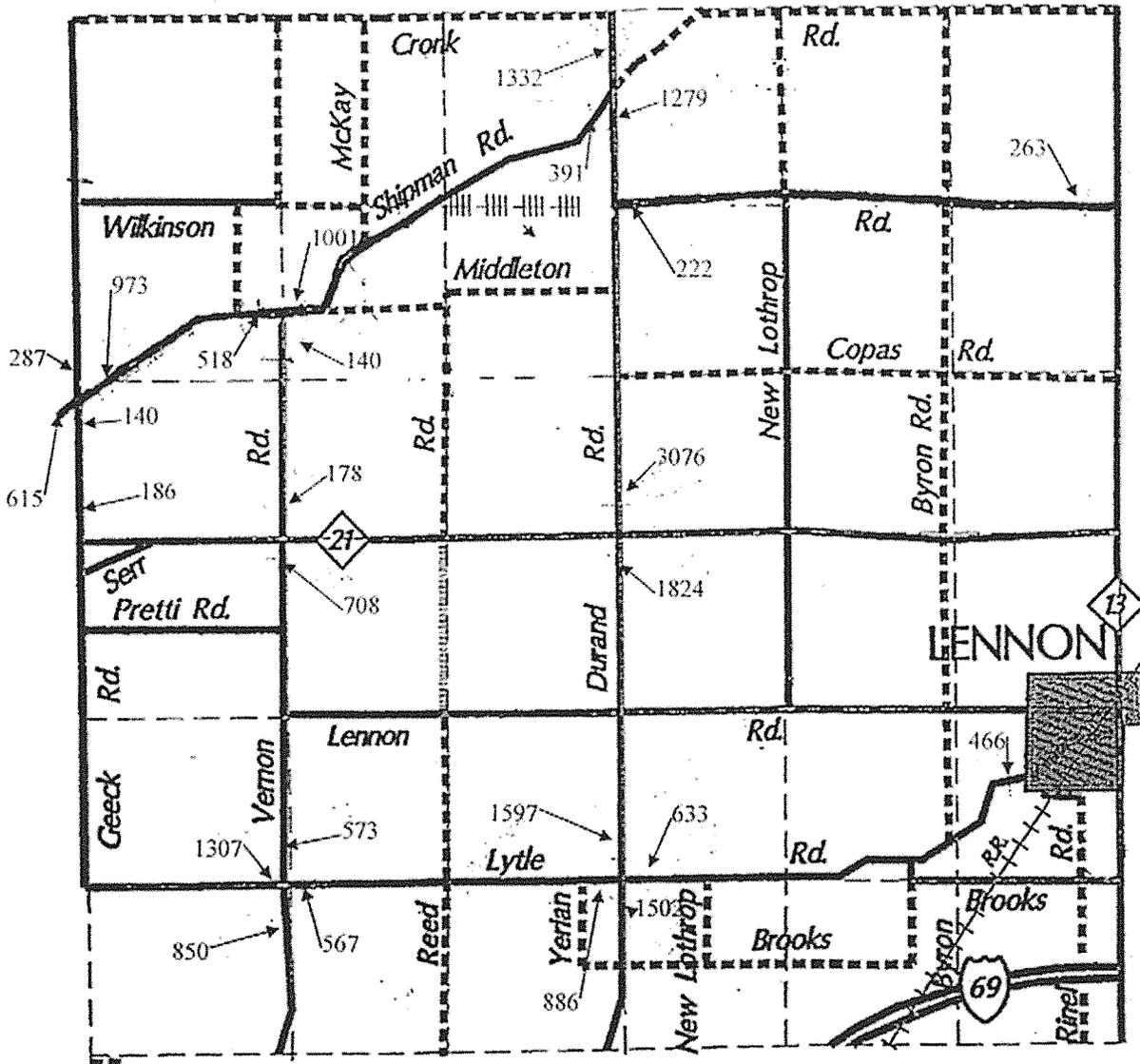


2015 YEAR TRAFFIC COUNT

X PRIMARY PAVE ROADS

LOCAL PAVE ROADS

VENICE TOWNSHIP

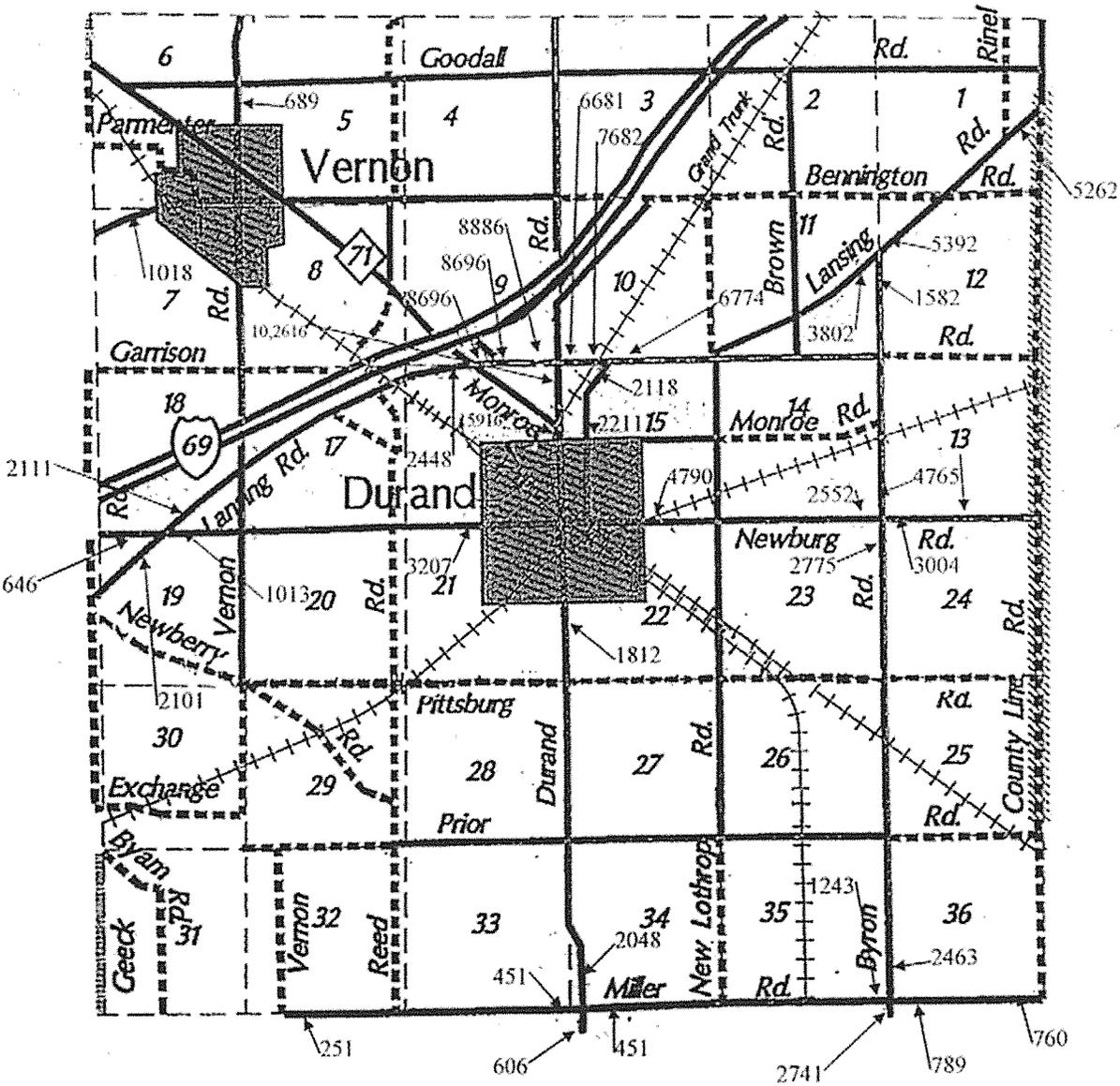


2015 YEAR TRAFFIC COUNT

 X PRIMARY PAVE ROADS

 LOCAL PAVE ROADS

VERNON TOWNSHIP

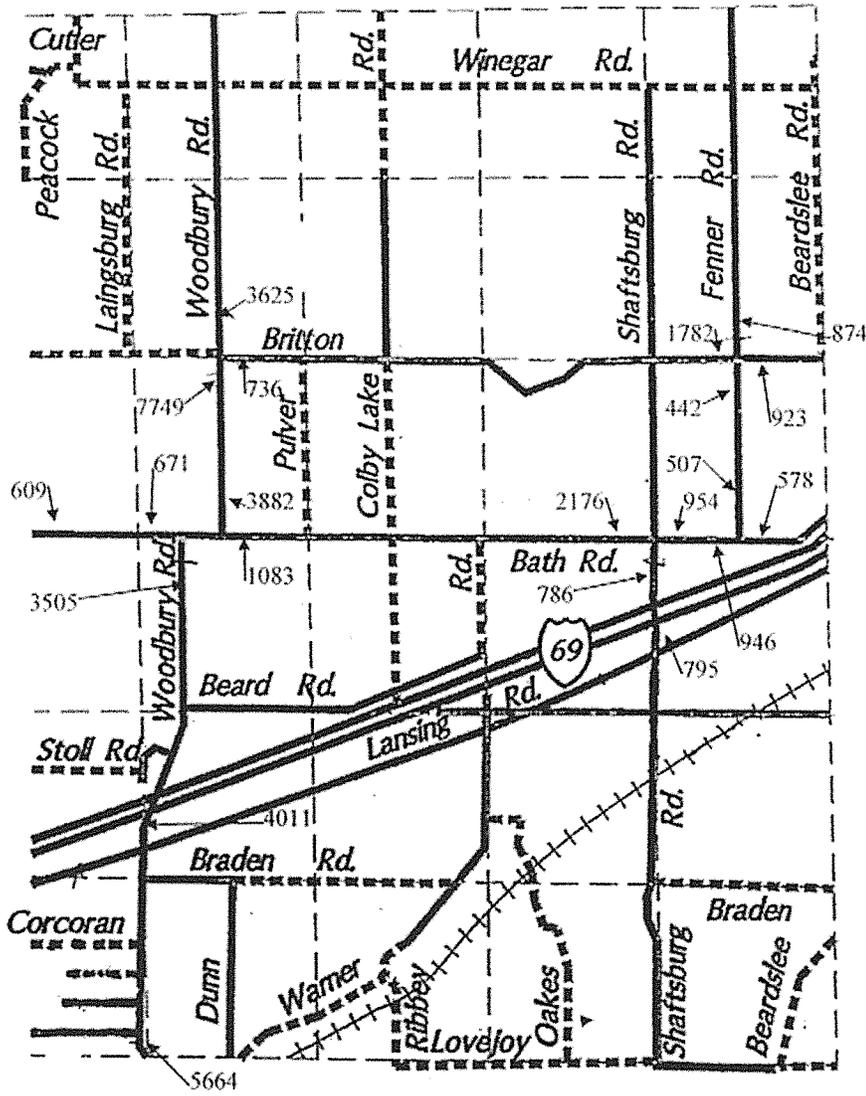


2015 YEAR TRAFFIC COUNT

X PRIMARY PAVE ROADS

— LOCAL PAVE ROADS

WOODHULL TOWNSHIP



2015 YEAR TRAFFIC COUNT

X PRIMARY PAVE ROADS

___ LOCAL PAVE ROADS

---END APPENDIX C---TOWNSHIP ROAD MAPS/TRAFFIC COUNTS---

APPENDIX D: County Parks and Recreation Plan Destination Routes and Recreational Loop Routes To and From County Parks

Introduction. This Appendix section details routes for recreational road biking to and from County Parks. The ordinary rider safety precautions apply for country road cycling where there are no dedicated bike lanes or wider pavement roadways. Many of these roads have 24' pavement widths with narrow gravel shoulders. For the selected routes, that condition is offset by relatively lower traffic volumes. The routes suggested here are deemed appropriate for experienced adult bicyclists. Nevertheless, the recreational benefits to that experience level offers rewarding and healthful outings as part of a park visit or transportation link to other open space areas. Also see Appendix E that follows with maps of these routes.

Connectivity in this context means destination bicycle routes between county, state or local parks. Mileage information is provided. Recreation loop routes are bike loops starting and ending at a county park. The recreation routes are relatively shorter and designed intentionally so as a supplemental park activity to a county park visit. Below, each park is featured with a number of bicycling options. It is recommended that, after review, revisions over time, and actual trial runs, that the eventual recommended routes are posted on an informational kiosk sign at the parking areas of the parks and the park system website.

Kerby Road Park Bicycling. Located near State Highway M-21, no routes advise use of that highway except for suggested crossings. There are two suggested recreational loop routes and three connectivity routes. Ambitious bikers could add other destinations to the connectivity routes; the three listed in this plan have proximity to destinations where other routes might begin.

Recreational Loop Ride #1: *Country Scenic Loop north—Length is 6.2 miles*

North on N. Kerby Road at Park Entrance to Copas Road;
West on Copas Road to Notnagle Road;
North on Notnagle Road to Wilkinson Road;
East on Wilkinson Road to N. Geeck Road;
South on N. Geeck Road to Shipman Road;
Southwest on Shipman Road to Kerby Park.

Recreational Loop Ride #2: *Country Scenic Loop south—Length is 7.8 miles*

Northwest on Shipman Road from Park Entrance to Gilna Road;
South on Gilna Road (proceed across M-21) to Serr Road;
East on Serr Road to S. Geeck Road;
South on S. Geeck Road to Lytle Road;
West on Lytle Road (intermediate stop at Lytle Rd. Park) to Kerby Road;
North on Kerby Road to Serr Road;
East on Serr Road to Gilna Road;
North on Gilna Road to Shipman Road;
Southwest on Shipman Road to Kerby Park.

Connectivity Destination Route #1: *Corunna's McCurdy Park (with link to Owosso Curwood Castle Park) Distance is 3.31 miles*

South on Kerby Road from Park Entrance (a crossing at M-21) & onto Serr Road;
West on Serr Road to N. Shiawassee Street in Corunna;
South on Shiawassee Street's sidewalk to Pine Street;
West on Pine Street to Magnolia Street;
South on Magnolia Street to Ferry Street;

Kerby Road Park Bicycling Routes (Appendix D continued)

West on Ferry Street to McCurdy Park footbridge. Optional: West on James Miner Trail to Owosso's Curwood Castle Park (an additional 3.4 miles).

Connectivity Destination Route #2: *Kerby Rd. Park to Village of Lennon at County Line and M-13)*
Distance is 7.9 miles

South on Kerby Road to Serr Road;
East on Serr Road to Geeck Road;
South on Geeck Road to Pretti Road;
East on Pretti Road to Vernon Road;
South on Vernon Road to Lennon Road;
East on Lennon Road to the Village (this section is 5 miles long).

Connectivity Destination Route #3: *Kerby Road County Park to Lytle Road County Park; Distance is 1.6 miles*

South on Kerby Road to Lytle Road and coincidental park entrance drive.

Lytle Road Park Bicycling. Lytle Road Park is on the Shiawassee River. The connection to Kerby Road Park is a single roadway described above for the Kerby Road Park route #3. Other routes offer connectivity travel to Corunna, Durand, and Shiatown Park. One recreational route is offered.

Recreational Loop Ride #3: *Country Scenic Loop North and East; Length is 7.3 miles.*

North on Kerby Road to Serr Road;
East on Serr Road to Geeck Road;
South on Geeck Road to Pretti Road;
East on Pretti Road to Vernon Road;
South on Vernon Road to Lytle Road;
West on Lytle Road back to Kerby Road Park.

Recreational Loop Ride #4: *Country Scenic Loop South and East; Length is 7.8 miles.*

West on Lytle Road to Kerby Road;
South on Kerby Road to Hibbard Road;
East on Hibbard Road to Geeck Road;
South on Geeck Road to M-71;
Southeast on M-71 to Goodall Road;
East on Goodall Road to Vernon Road;
North on Vernon Road to Lytle Road;
West on Lytle Road to the Lytle Road Park.

Connectivity Destination Route #4: *To Village of Lennon and County Line; Distance is 7.6 miles.*

East on Lytle Road to Village of Lennon and County Line at M-13.

Connectivity Destination Route #5: *To Downtown Durand, Union Station Museum, & Amtrak Station; Distance is 8.4 miles*

East on Lytle Road to Vernon Road;
South on Vernon Road to Vernon Village at Bennington Road;
Continue South on Vernon Road to Newburg Road;
East on Newburg Road to Downtown Durand.

Lytle Road Park Bicycling Routes (Appendix D continued)

Connectivity Destination Route #6: *To Downtown Corunna and McCurdy Park; Distance is 3 miles.*

West on Lytle Road to State Hwy M-71 junction;
Continue West on M-71 to Dutcher Street;
North on Dutcher Street to E. McArthur Street;
West on McArthur Street to Shiawassee Street and downtown Corunna;
Continue West on McArthur Street to Norton Street;
North on Norton Street, crossing M-71 to the Park;
(Extension Route to Owosso's Curwood Castle Park via James Miner Trail an additional 3.4 miles)

Connectivity Destination Route #7: *To Shiatown Park (also a canoe landing); Distance is 4 miles.*

West on Lytle Road from Park & canoe landing to Kerby Road;
South on Kerby Road to M-71 crossing and onto Hibbard Road;
West on Hibbard Road to Parmenter Road;
South on Parmenter Road to junction with Bancroft Road;
Continue South on Bancroft Road to Bennington Road and the Shiatown Park.

Connectivity Destination Route #8: *To Kerby Road County Park; Distance is 1.6 miles.*

North on Kerby Road to Kerby Road County Park.

Shiatown Park Bicycling. Shiatown Park is on the River and is among the most historic places in the County. Many routes are possible both for recreational rides and connections to other open spaces and communities with open spaces and cultural features. The connectivity route to Lytle Rd Park, the downstream canoe landing, is provided immediately above in the Lytle Road Park section.

Recreational Loop Route #5: *Country Scenic Loop East of Park; Length is 7.2 miles.*

North from Newberry Rd Parking Lot to Bennington Road;
West on Bennington Road to Bancroft Road;
North on Bancroft Road to Parmenter Road;
East on Parmenter Road to Merge with Washington Street;
East on Washington Street to Maple St (Vernon Road);
South on Vernon Road to Garrison Road;
West on Garrison Road to Newberry Road;
Northwest on Newberry Road to Park.

Recreational Loop Route #6: *Country Scenic Loop West of Park; Length is 5 miles.*

North from Newberry Rd. Parking Lot to Bennington Road;
West on Bennington Road to Bancroft Road;
South on Bancroft Road to Bennington Road;
West on Bennington Road to Scribner Road.
South on Scribner Road to Garrison Road;
East on Garrison Road to Braid Road;
N/NE on Braid Road to Bennington Road;
East on Bennington Road to West Park Parking Lot , or, onto Newberry Road East Park Parking Lot.

Shiatown County Park Bike Routes (Appendix D cont'd):

Connectivity Destination Route #9: *To Village of Vernon's Downtown; Distance is 2.2 miles*
North from Parking Lot on Newberry Road to Bennington Road;
East on Bennington Road to Downtown Vernon;

Connectivity Destination Route #10: *To City of Durand's Downtown; Distance is 5.3 miles.*

S/SE from Parking Lot on Newberry Road to Newberg Road;
East on Newberg Road to Saginaw Street in Downtown Durand.

Connectivity Destination Route #11: *From Shiatown Park's Canoe Launch to Geeck Road County Park's Canoe Launch; Distance is 4.3 miles.*

East on Bennington Road from Canoe Launch to Newberry Road;
S/SE on Newberry Road to Newburg Road;
East on Newburg Road to Geeck Road;
South on Geeck Road to Exchange Road;
West on Exchange Road to Geeck Rd Park and Canoe Launch.

Connectivity Destination Route #12: *From Shiatown Launch to Lytle Rd. Park Launch Distance is 4 miles.*

West on Bennington Road to Bancroft Road;
North on Bancroft Road to Merge with Parmenter Road;
North on Parmenter Road to Hibbard Road;
East on Hibbard Road to Kerby Road;
North on Kerby Road to Lytle Road;
East on Lytle road to Park.

Geeck Road County Park Bicycling. See connectivity route #10 above to find directions to the canoe launch at Shiatown. Geeck Road Park's launch is also related to Walnut Hills Campground upstream and is described at Connectivity Route #4 below.

Recreational Loop Route #7: *Country Scenic Loop North and East of the Park; Length is 6 miles.*

East from Park on Exchange Road to Geeck Road;
North on Geeck Road to Newberry Road;
Southeast on Newberry Road to Reed Road;
South on Reed Road to Prior Road;
West on Prior Road to Vernon Road;
North on Vernon Road to Exchange Road;
West on Exchange Road to Park.

Recreational Loop Route #8: *Country Scenic Loop South of the Park; Length is 5.5 miles.*

West on Exchange Road from Park to Byam Road;
South on Byam Road to Geeck Road;
South on Geeck Road to Cole Road;
East on Cole Road to Miller Road;
East/NE on Miller Road to Vernon Road.

Geeck Road County Park Bicycling (Appendix D continued)

North on Vernon Road to Prior Road;
West on Prior Road to Vernon Road;
North on Vernon Road to Exchange Road;
West on Exchange Road to Park.

Recreational Loop Route #9: *Country Scenic Loop West of the Park; Length is 5.8 miles.*

West on Exchange Road from Park to Intersection with Byam Road;
South on Byam Road to Geeck Road;
South on Geeck Road to Cole Road;
West on Cole Road to Bancroft Road;
North on Bancroft Road to Village, then on to Warren Street;
West on Warren Street to N. Shiawassee Street in Village;
North on N. Shiawassee Street to Grand River Road in Village;
NW on Grand River Road to Lansing Road (Five Points);
NE on Lansing Road to Exchange Road;
East on Exchange Road where Exchange turns South at YMCA Camp;
South on Exchange Road to where Exchange Road turns East
East on Exchange Road to Park.

Connectivity Destination Route #13: *West To Convenience Store on Lansing Road and Village of Bancroft; Distance is 1.6 miles to 'Five Points' store & 2.4 miles to Village center.*

West on Exchange Road to intersection with Byam Road;
North on Exchange Road to YMCA camp and where Exchange Rd turns west;
West on Exchange Road to Lansing Road;
SW on Lansing Road to convenience store at 'Five Points' and Grand River Road;
SE on Grand River Road to N. Shiawassee Street;
South on N. Shiawassee Street to Warren Street;
East on Warren Street two blocks to center of Bancroft Village.

Connectivity Destination Route #14: *East to City of Durand and its downtown; Distance is 4.5 miles.*

East from Park drive entrance on Exchange Road to Geeck Road;
North on Geeck Road to Lansing Road;
Northeast on Lansing Road to Newburg Road;
East on Newburg Road to N. Saginaw Street and downtown Durand; (also Railroad Museum and Amtrak Station).

Connectivity Destination Route #15: *Southeast to Village of Byron; Distance is 7.6 miles.*

West on Exchange Rd from Park to Byam Road;
South on Byam Road to Cole Road;
East/Southeast on Cole Road to Reed Road;
South on Reed Road to Lahring Road;
East on Lahring Road and N. Saginaw Street in the Village;
South on N. Saginaw Street to Village center at Bath Road/Maple;

Geeck Road County Park Bicycling (Appendix D continued)

Connectivity Destination Route #15 (cont'd)

Street (This route ends across the river from the Byron Schools canoe launch).

Connectivity Destination Route #16: *From Geeck Road Park Canoe Launch to Walnut Hills Campground Canoe Launch (public); Distance is 4.5 miles.*

West on Exchange Road at Park to Byam Road;
South on Byam Road to Cole Road;
East/Southeast on Cole Road to Reed Road;
South on Reed Road to end of Reed Road at Lahring Road;
West on Lahring Road to Walnut Hills Campground.

Connectivity Destination Route #17: *From Geeck Road Park Canoe Launch to Shiatown Canoe Landing; Distance is 4.3 Miles*

East on Exchange Road to Geeck Road;
North on Geeck Road to Newburg Road;
West on Newburg Road to Newberry Road;
North on Newberry Road to Bennington Road at Park;
West on Bennington Road to Park Canoe Landing.

Henderson County Park Bicycling.

Bicycling to and from Henderson Park offers the most route choices in the County Park system, especially the Connectivity Routes. Henderson Park is also a canoe launch site; therefore two of the Connectivity Routes connect to canoe launches/landings north and downstream to Parshallburg (east of Oakley) and south and upstream to Harmon Patridge Park in Owosso. An intermediate canoe landing with nature study, trails and a spacious wooden riverside dock is at DeVries Nature Conservancy.

Recreational Loop Route #10: *Country Scenic Loop West of Park; Length is 5.7 miles.*

West on Henderson Park to Chipman Road;
South on Chipman Road to Riley Road;
West on Riley Road to Delaney Road;
North on Delaney Road to Henderson Road;
East on Henderson Road to Bingham Road;
North on Bingham Road to 6 Mile Creek Road;
East on 6 Mile Creek Road to Chipman Road;
South on Chipman Road to Henderson Road;
East on Henderson Road to Park entrance.

Recreational Loop Route #11: *Country Scenic Circle Route Around the Park; Length is 6.4 miles.*

[NOTE: THIS TRAIL SECTION IS NOT OPERATIONAL UNTIL 6 MILE CREEK BRIDGE REOPENS]

West on Henderson Road from Park entrance to River Road;
South on River Road to Riley Road;
East on Riley Road (also across M-52) to Seymour Road;
Northeast on Seymour Road to 6 Mile Creek Road;

Recreation Loop Route #11 (cont'd) NOTE: THIS ROUTE IS NOT OPERATIONAL UNTIL 6 MILE CREEK BRIDGE REOPENS

West on Six Mile Creek Road (also crossing iron bridge) to State Hwy M-52;

Henderson County Park Bicycling (Appendix D continued)

Recreation Loop Route #11 (cont'd) NOTE: THIS ROUTE IS NOT OPERATIONAL UNTIL 6 MILE CREEK BRIDGE REOPENS

South on State Hwy M-52 900 feet to Six Mile Creek Road;
West on Six Mile Creek Road to Chipman Road;
South on Chipman Road to Henderson Road;
East on Henderson Road to Park Entrance.

Recreational Loop Route #12: *Country Scenic Loop East and North of Park; Length is 8 miles.*

East on Henderson Road from Park Entrance, across M-52, onto Seymour Road;
North on Seymour Road to Easton Road;
East on Easton Road to merge with Hill Road;
East on Hill Road to McGaffrey Road;
South on McGaffrey Road to 6 Mile Creek Road;
West on 6 Mile Creek Road to Seymour Road;
South on Seymour Road to Henderson Road;
West on Henderson Road, across M-52, and onto Henderson Park Entrance.

Connectivity Destination Route #18: *Henderson Park to Downtown Owosso and James Miner Bikeway; Distance is 7 miles.*

West on Henderson Road from Park Entrance to Chipman Road;
South on Chipman Road to Oliver Street in the City of Owosso;
East on Oliver Street, across M-52, and onto Pine Street;
South on Pine Street to Williams Street;
East on Williams Street 150' to Entrance of James Miner Bikeway and North line of Downtown Owosso.

Connectivity Destination Route #19: *Henderson Park to the Village of Oakley; Distance is 5.4 miles.*

West on Henderson Road at Park Entrance to Chipman Road;
North on Chipman Road to Johnstone Road;
East on Johnstone Road 150 feet to Fordney Road;
North on Fordney Road to Ridge Road;
East on Ridge Road to State Hwy M-52 and Village of Oakley center.

To Chesaning from downtown Oakley take Sharon Road east and north to Chesaning Village; Distance from Oakley is 4 miles. Sharon Rd in Oakley at M-52, thence NE to Frandsche Road;
North on Frandsche Road to Peet Road;
East on Peet Road (Fairgrounds on Peet) to Front Street;
North on Front Street to Showboat Park Canoe Launch & Camp;
North on Front Street to Downtown Chesaning.

Connectivity Destination Route #20: *Henderson Park to Pine Grove Park; Distance is 4.4 miles.*

West on Henderson Road at Park Entrance to Chipman Road;
North on Chipman Road to Johnstone Road;
East on Johnstone Road to Pine Grove Park on M-52;

Connectivity Destination Route #21: *Henderson Park Canoe Launch to Harmon Patridge Park Canoe Launch (upstream from Henderson Park); Distance is 7.2 miles.*

East on Henderson Road to Hintz Road;

Henderson County Park Bicycling (Appendix D continued)

Connectivity Destination Route #21 (cont'd)

South on Hintz Road to Wildermuth Road;
West on Wildermuth Road to Hickory Road;
South on Hickory Road to Wilkinson Road;
West on Wilkinson Road to Harmon Patridge Park North End;
South on Pathway to park exit and proceed south on Chippewa Lane to Launch.

Connectivity Destination Route #22: *Henderson Park to Devries Nature Conservancy; Distance is 4.3 miles.*

West on Henderson Road from Park Entrance to Chipman Road;
South on Chipman Road to Juddville Road;
East on Juddville Road to State Hwy M-52;
South on M-52 to Devries Entrance Driveway (signed).
Note: This is also a canoe landing site.

Connectivity Destination Route #23: *Henderson Park to Parshallburg Canoe Landing Park; Distance is 6.2 miles.*

East on Henderson Road from Park entrance to Seymour Road;
North on Seymour Road to Johnstone Road;
East on Johnstone Road to Niver Road (Saginaw County);
North on Niver Road to Ditch Road;
West on Ditch Road 200 feet to Saginaw County Park entrance and canoe launch in the unincorporated settlement of Parshallburg.

Pine Grove County Park Bicycling Routes.

This Park is on the County line and Connectivity Destination Routes are used to bike to Henderson Park, Oakley and Chesaning. Recreational Loop Routes also go to Parshalburg together with a country scenic loop ride based on 6 Mile Creek and the historic unincorporated settlement of New Haven. Riding recommendations on State Highway M-52 are included in some routes where the highway has 4'+ bike lanes.

Pine Grove County Park Bicycling Routes (Appendix D continued)

Recreational Loop Route #13: *Pine Grove Park South and West; Length is 9 miles.*

NOTE: THIS ROUTE IS NOT OPERATIONAL UNTIL 6 MILE CREEK RD BRIDGE REOPENS AS A NON-MOTORIZED LINK

North from Park Pavilion to Johnstone Road;
East on Johnstone Road to Seymour Road;
South on Seymour Road to 6 Mile Creek Road;
West on 6 Mile Creek Road to State Hwy M-52;
North on St Hwy M-52 to Allan Road;
West on Allan Road to Chipman Road;
North on Chipman Road to Johnstone Road;
Johnstone Road, across M-52, to Park Driveway;
South on Park Driveway to Picnic Pavilion;

Pine Grove County Park Bicycling Routes (Appendix D continued)

Recreational Loop Route #14: *Pine Grove Park East and North Loop; Length is 7.2 miles.*

North on M-52, East on 6th Street in Oakley;
North on Parshall St. in Oakley to Sharon Road;
Northeast on Sharon Road to merge with Ditch Road;
East on Ditch Road, passing canoe launch to Niver Road;
South on Niver Road to Havanna Road;
West on Havanna Road to Frandsche Road;
South on Frandsche Road to Johnstone Road;
West on Johnstone Road to Pine Grove Park Driveway.

Connectivity Destination Route #24: *Pine Grove Park to Oakley Village Center (1 mile), Saginaw County Fairgrounds, Showboat Park & Chesaning's Downtown; Distance is 6.2 Miles.*

North from Pine Grove Park Pavilion to Johnstone Road/M-52;
North on M-52 to 6th Street in Oakley Village;
East on 6th St to Parshall St. then North on Parshall to Sharon Rd.;
Northeast on Sharon Road to Frandsche Road;
North on Frandsche Road to Peet Road;
East on Peet Road 3200 feet to Saginaw County Fairgrounds;
Then East on Peet Road from Fairgrounds to Front Street;
North 2000 feet on Front Street to Showboat Park;
Entrance and its canoe landing, Or;
North on Front Street from Showboat Park Entrance to Broad Street in downtown Chesaning.

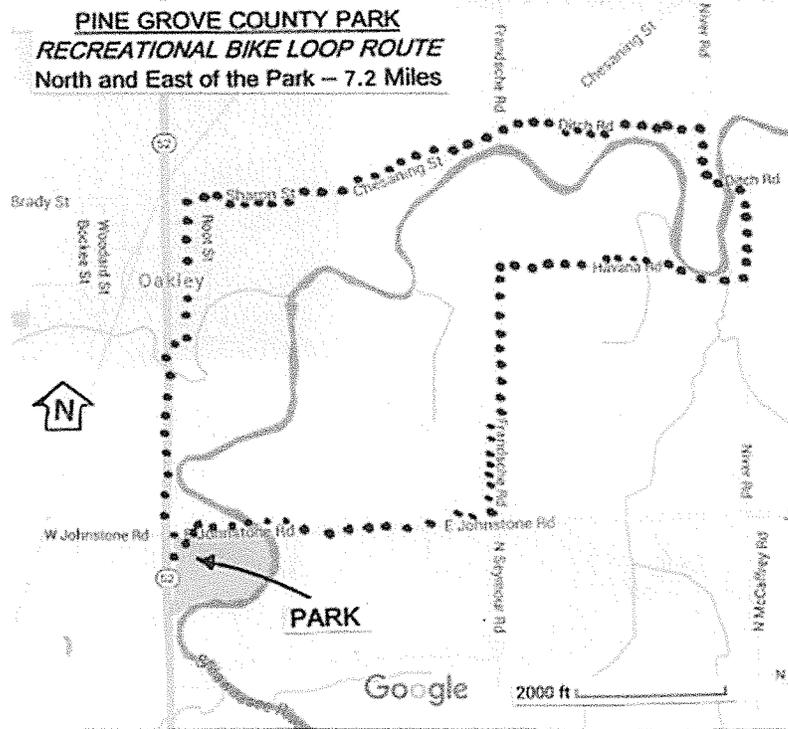
Connectivity Destination Route #25: *Pine Grove County Park to Henderson County Park; Distance is 4.4 miles.*

West on Johnstone Road from the park's north driveway entrance to Chipman Road;
South on Chipman Road to Henderson Road;
East on Henderson Road to Henderson Park Entrance.

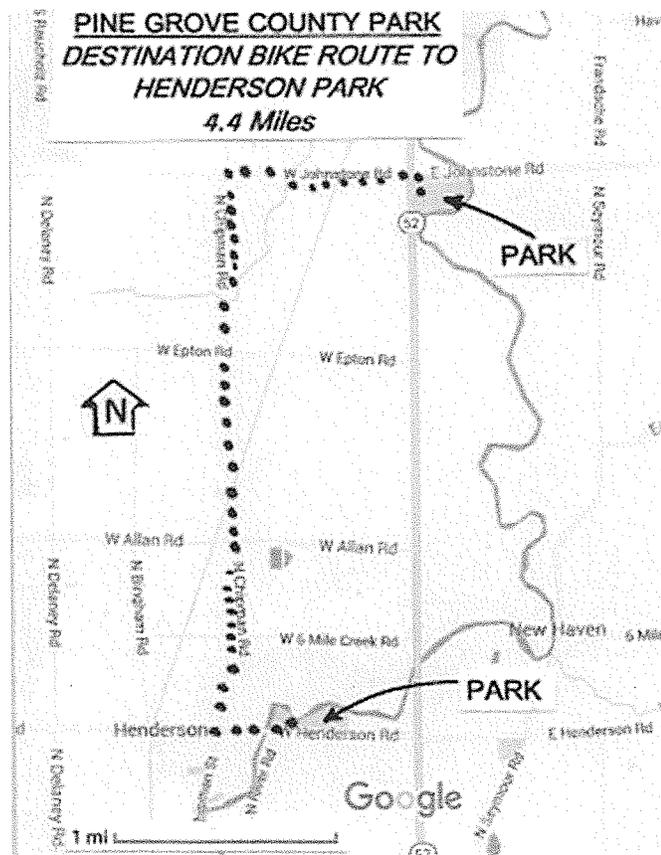
END OF APPENDIX D—COUNTY PARK BICYCLE ROUTE DESCRIPTIONS

APPENDIX E: ALAS OF COUNTY PARK BIKE ROUTES—BOTH DESTINATION and RECREATIONAL LOOP RIDES; See Appendix D for written description of the routes

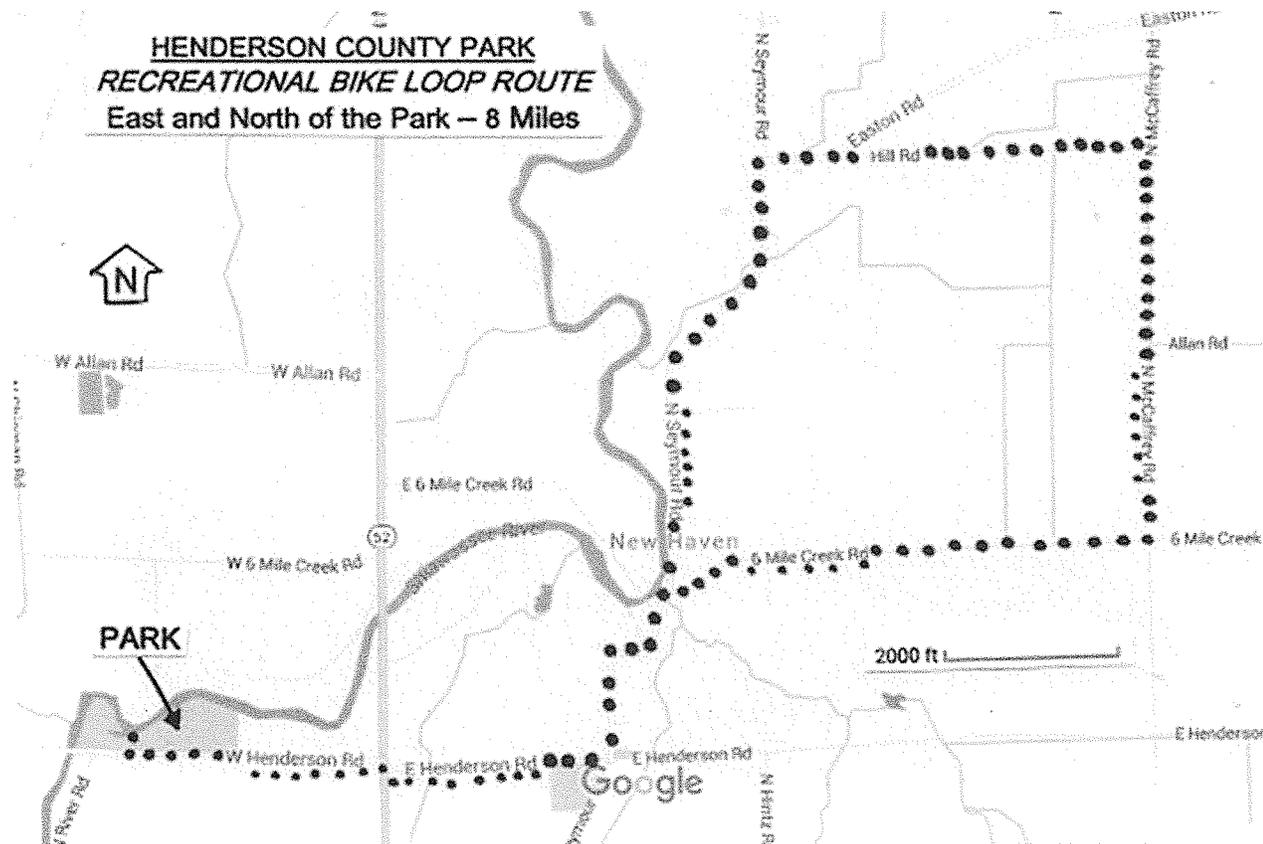
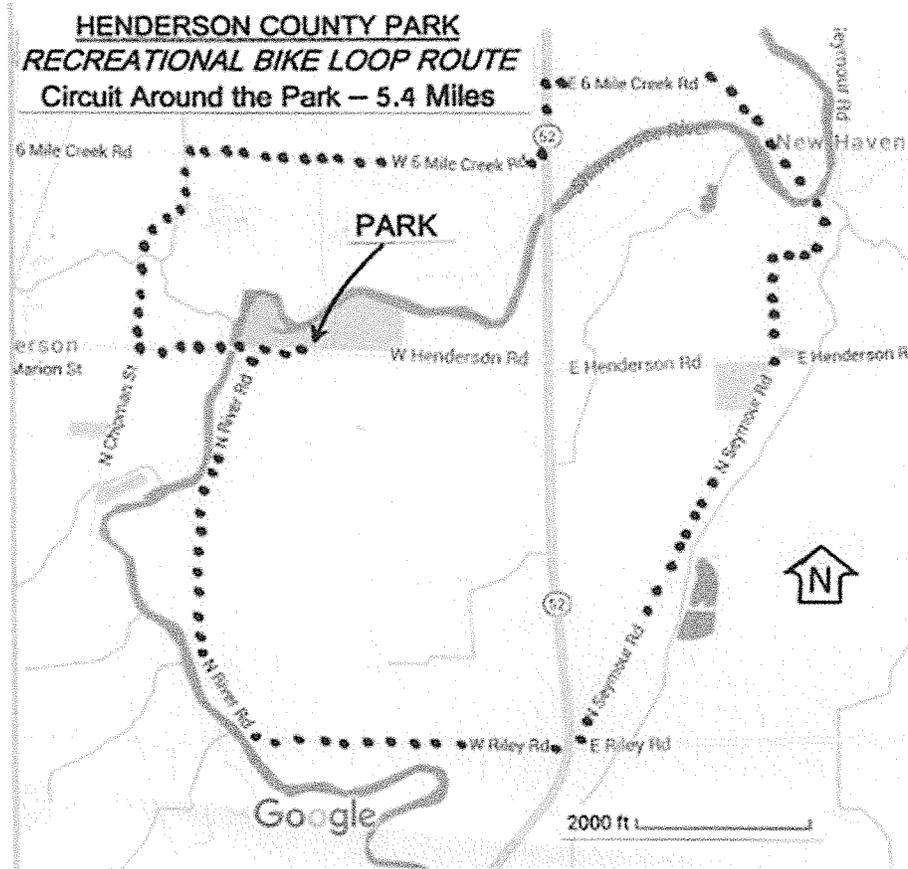
1. Pine Grove County Park Bike Ride Maps:



Pine Grove County Park Bike Route Maps (cont'd):

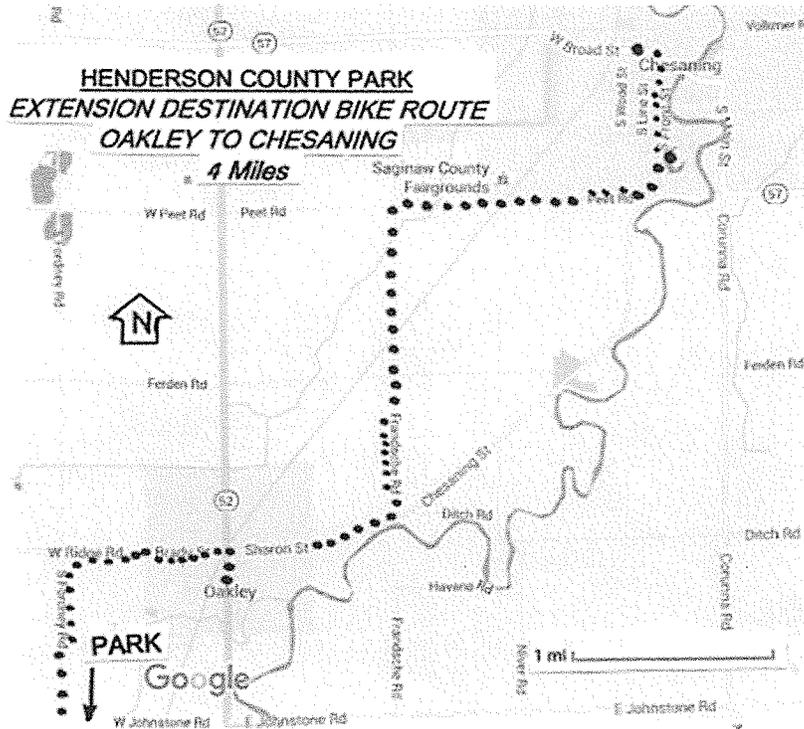
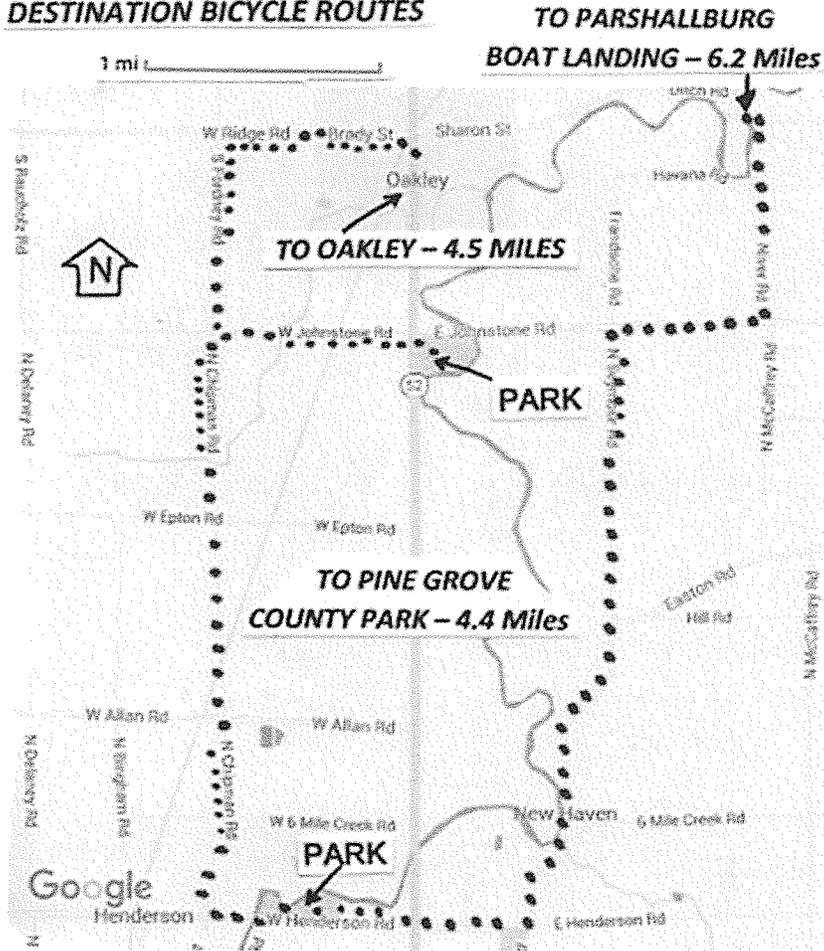


1) Henderson County Park Bike Route Maps:

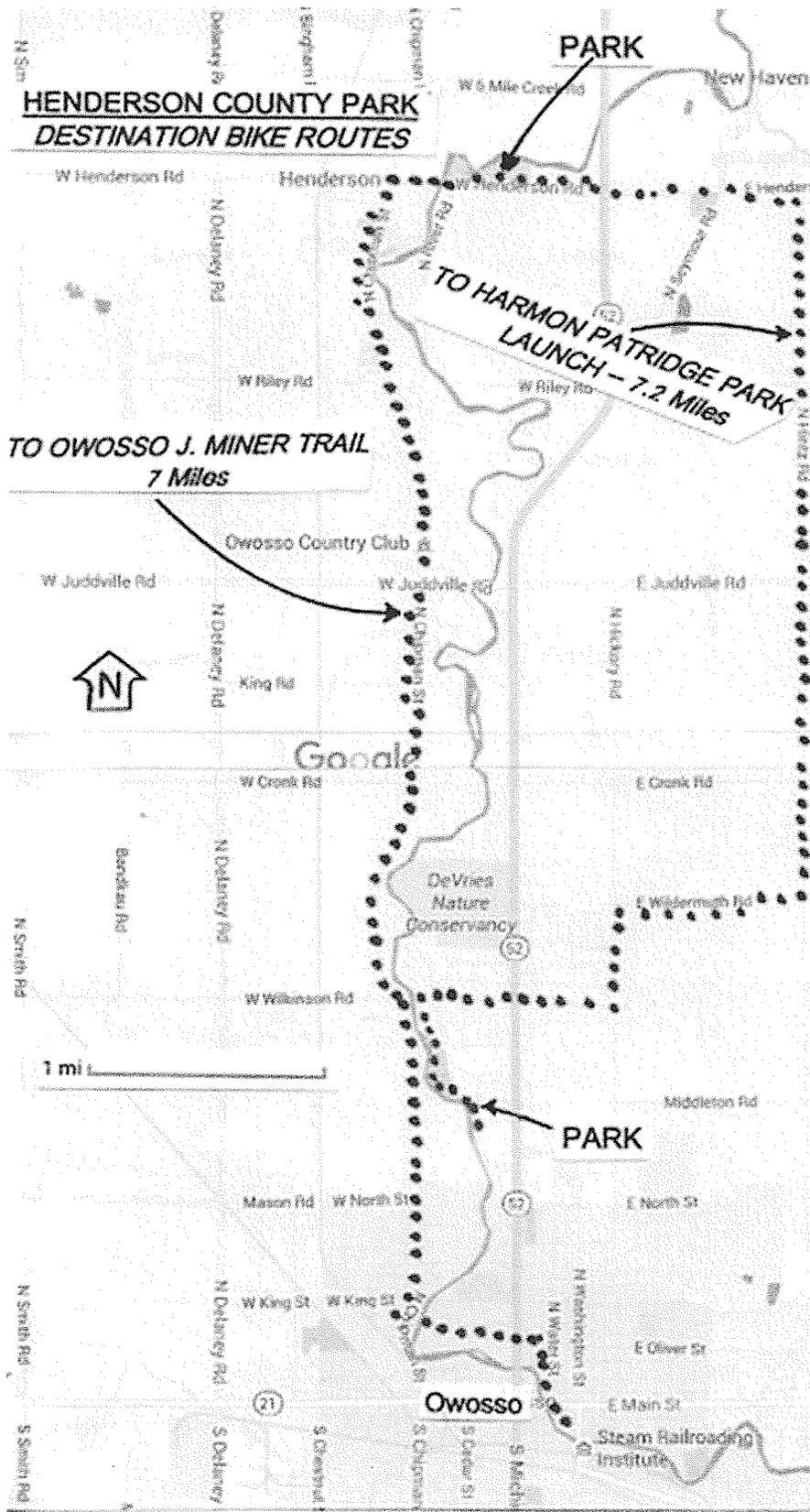


Henderson County Park Bike Route Maps (cont'd)

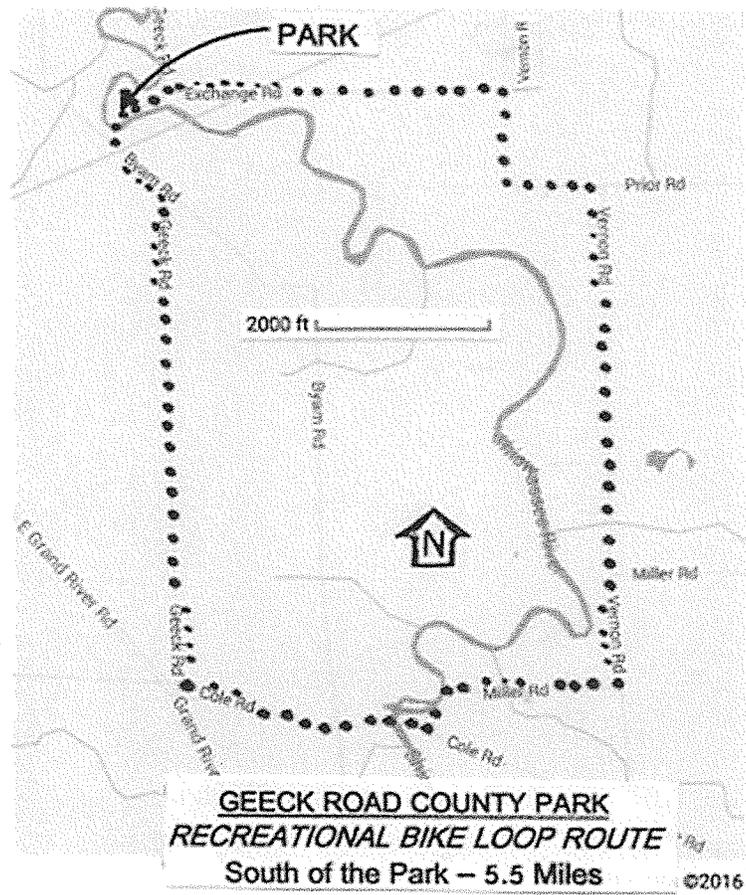
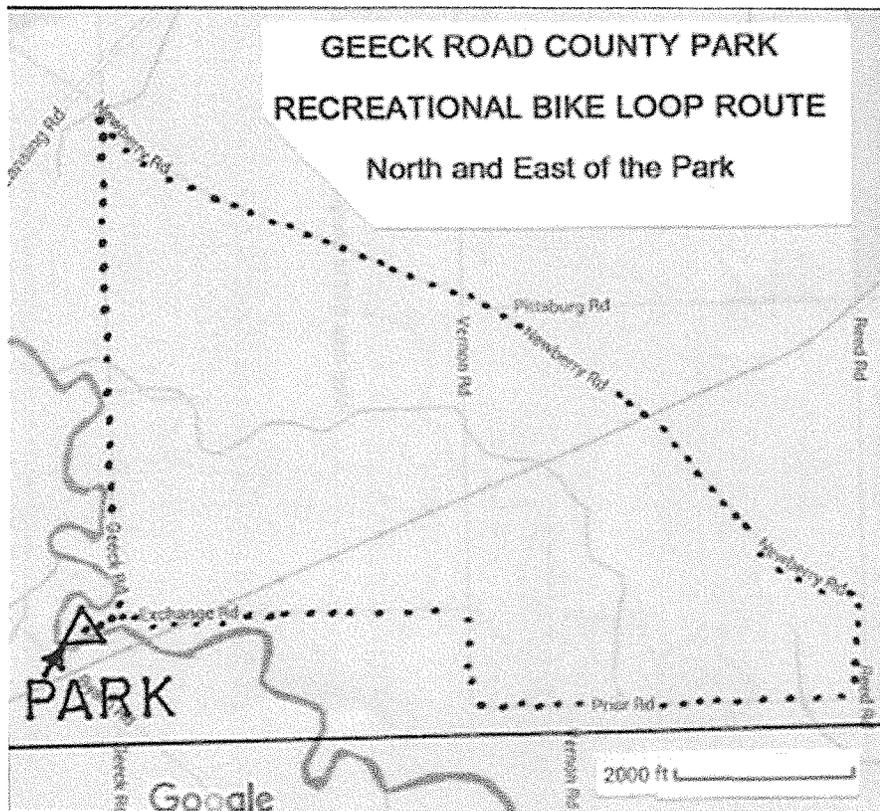
HENDERSON COUNTY PARK DESTINATION BICYCLE ROUTES



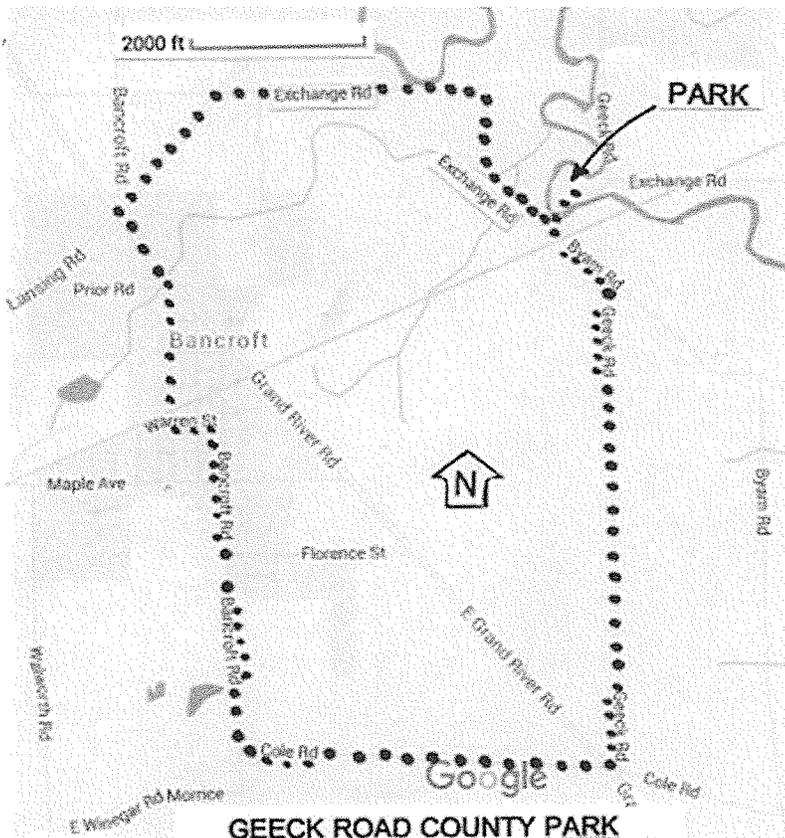
Henderson County Park Bike Route Maps (cont'd)



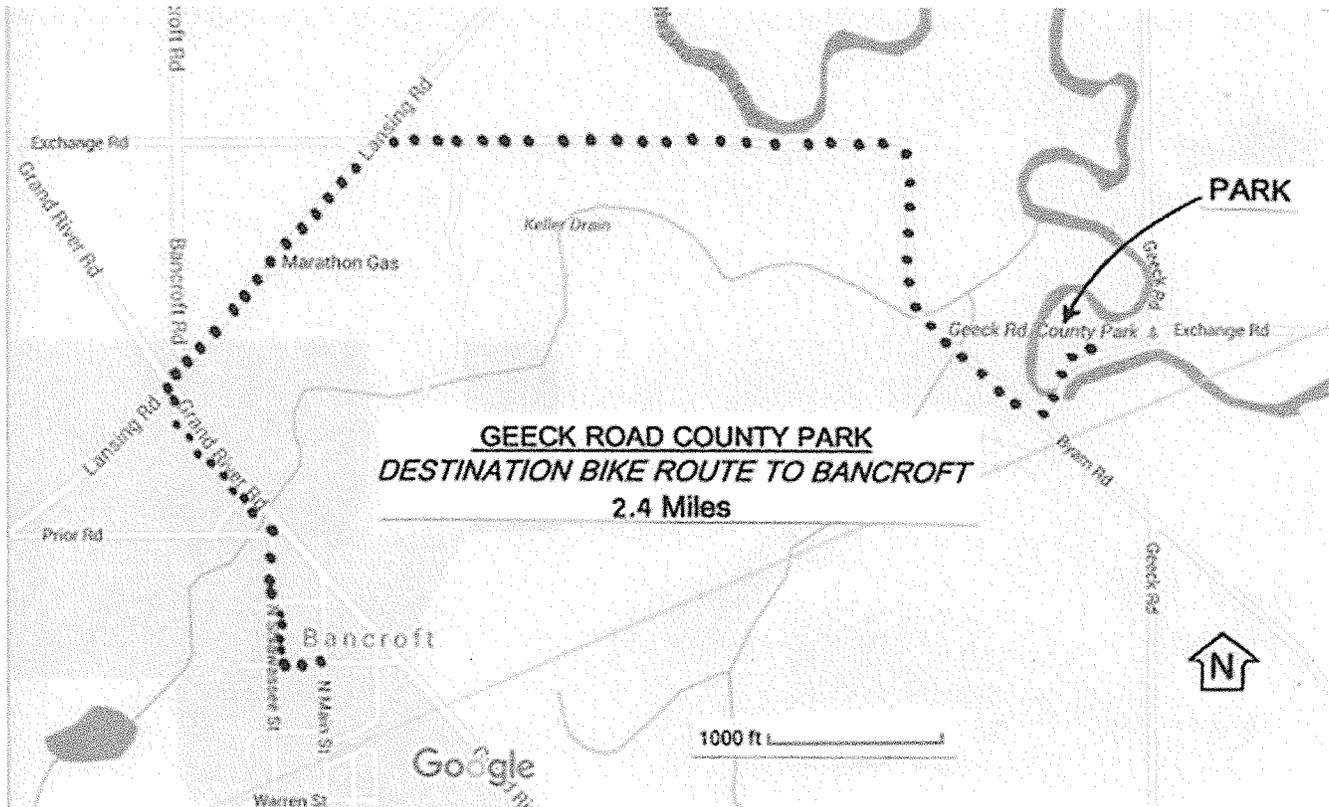
2) Geeck Road County Park Bike Route Maps:



Geeck Road County Park Bike Route Maps (cont'd):

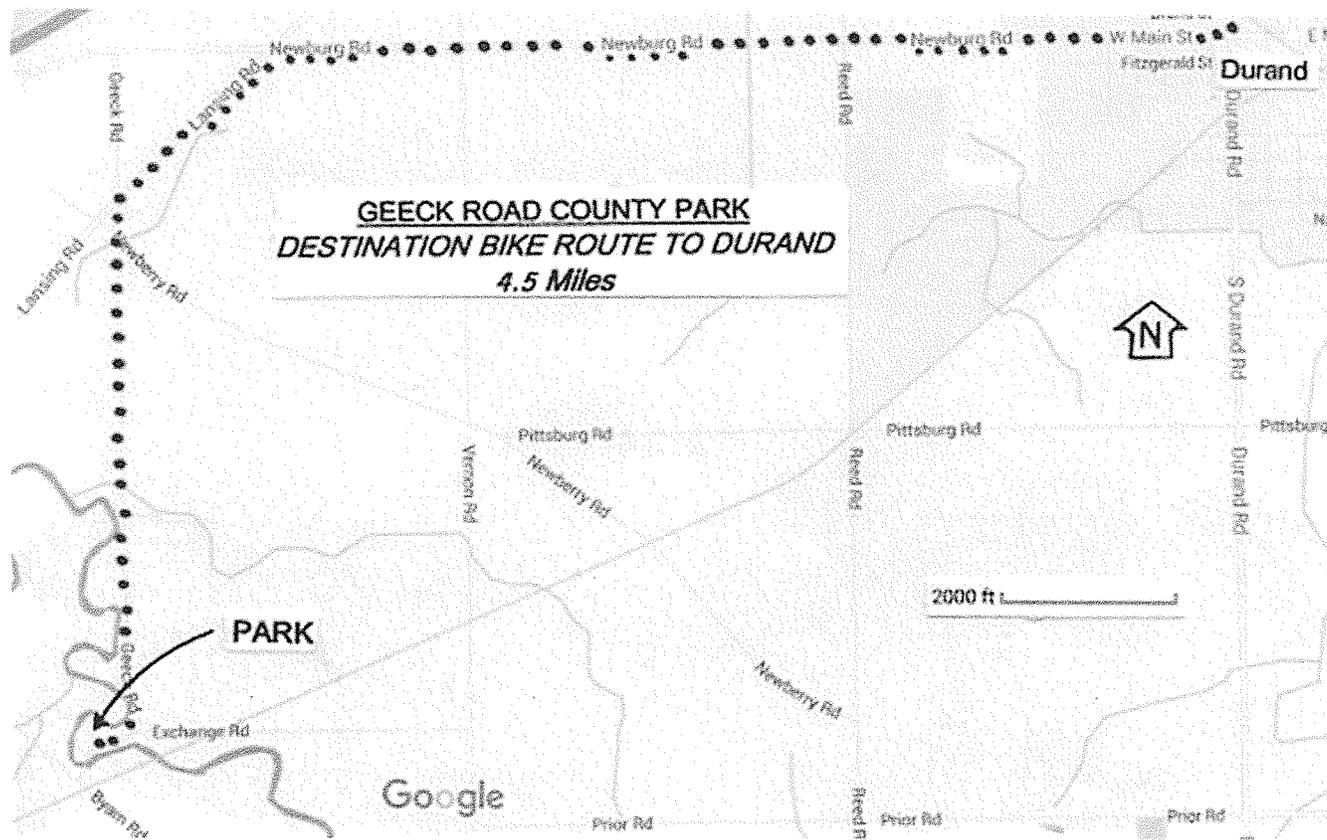
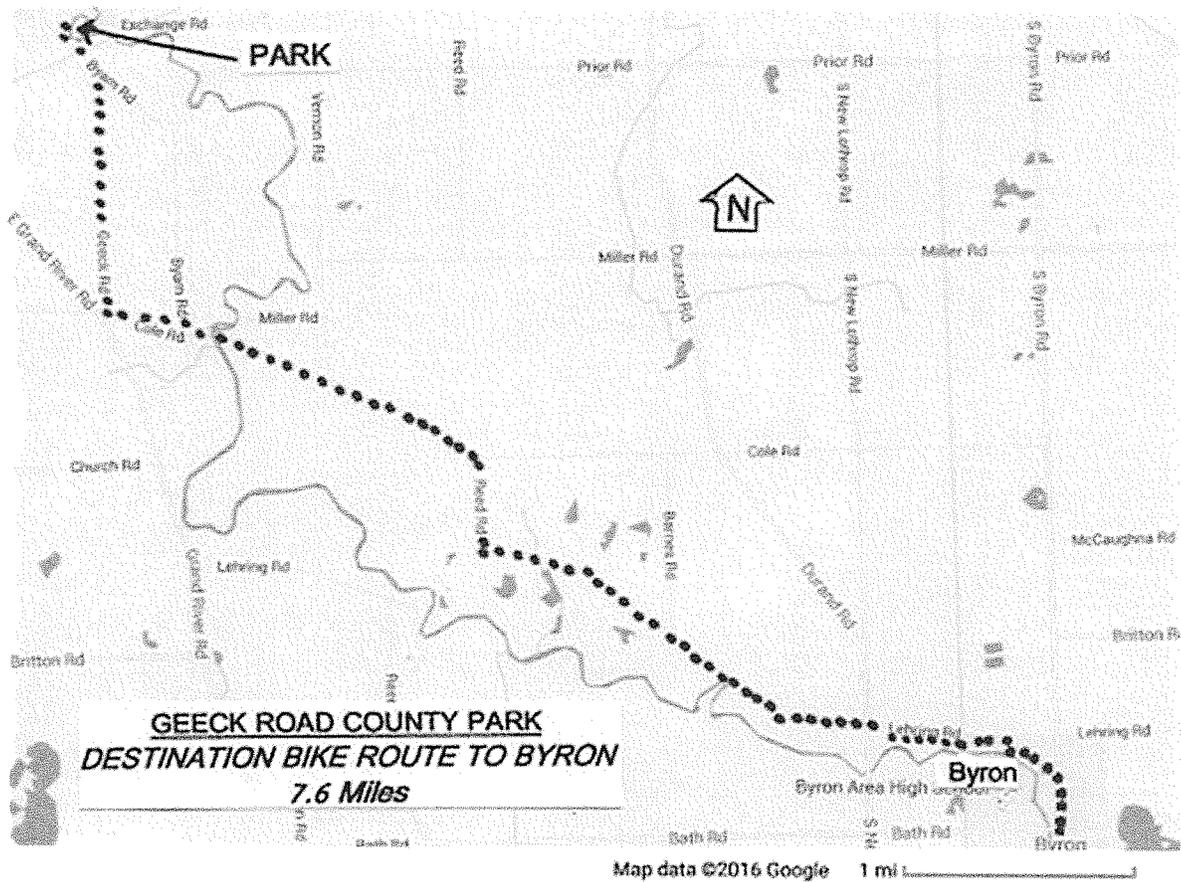


**GEECK ROAD COUNTY PARK
RECREATIONAL BIKE LOOP ROUTE
West of the Park – 5.8 Miles**



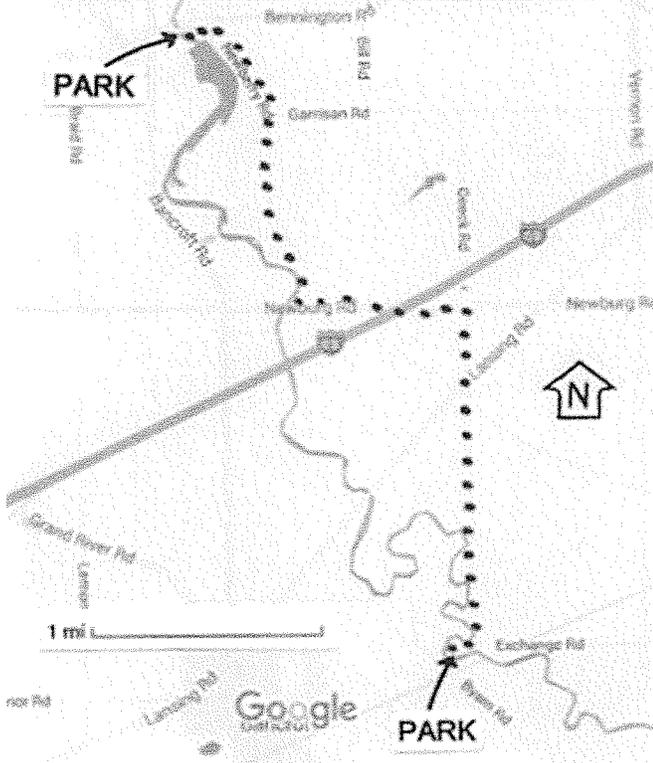
**GEECK ROAD COUNTY PARK
DESTINATION BIKE ROUTE TO BANCROFT
2.4 Miles**

Geek Road County Park Bike Route Maps (cont'd):

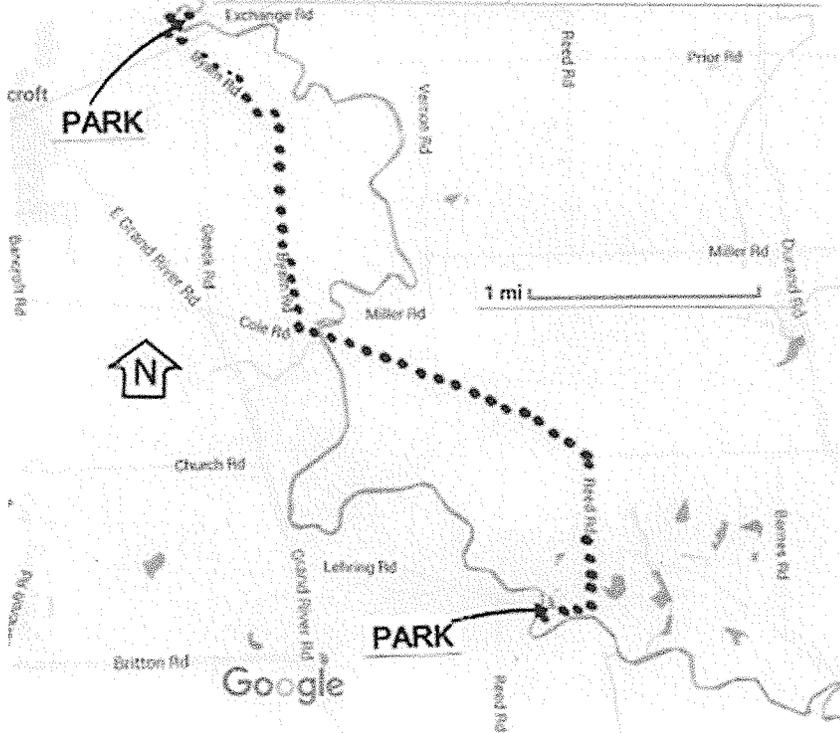


Geeck Road County Park Bike Route Maps (cont'd):

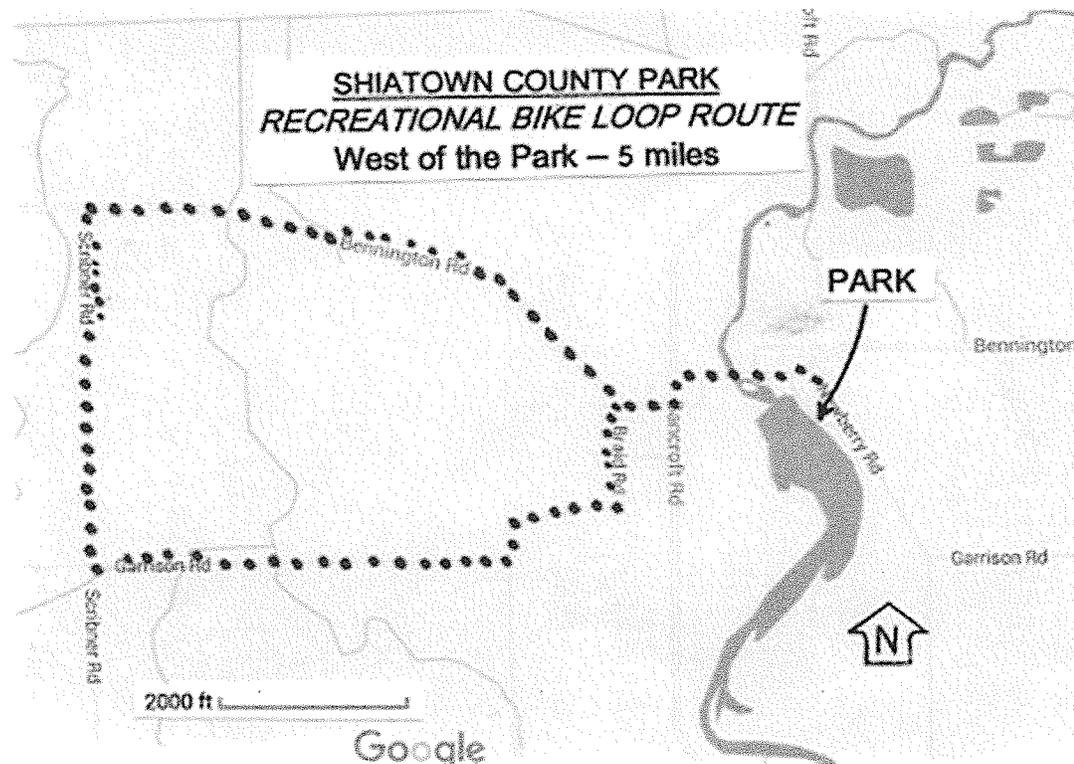
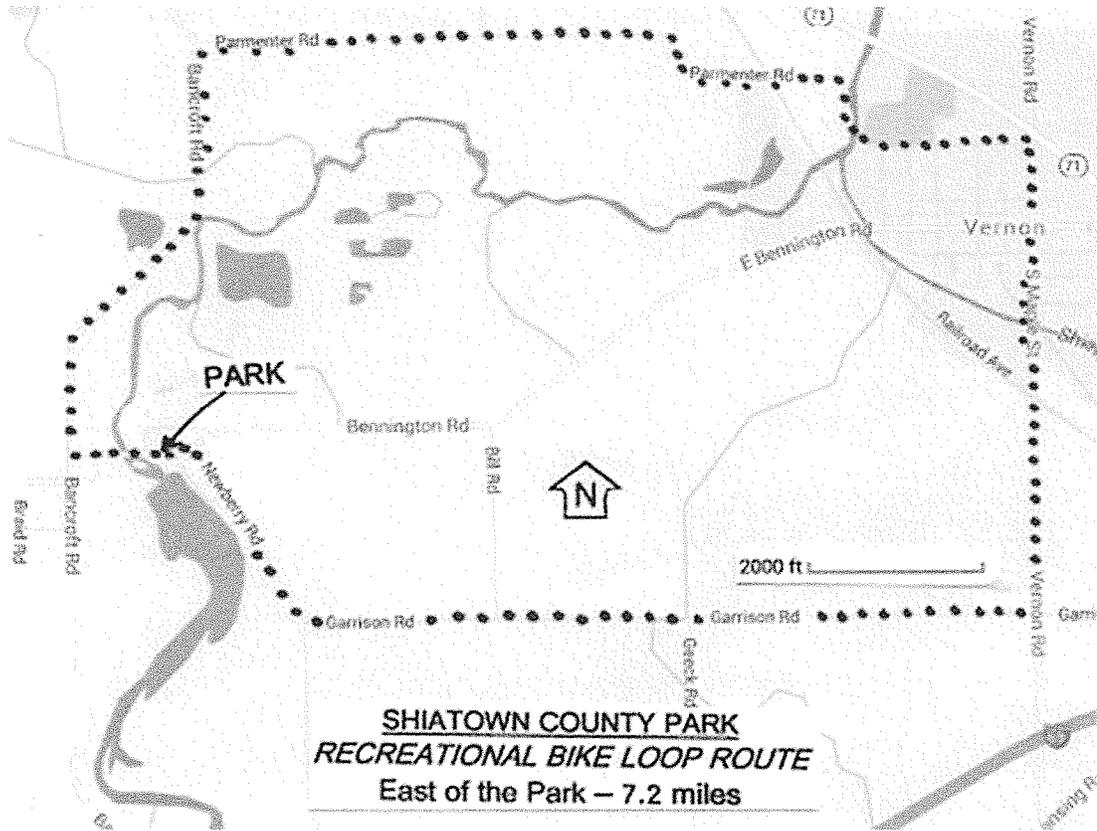
GEECK ROAD COUNTY PARK LAUNCH
DESTINATION BIKE ROUTE TO SHIATOWN
PADDLE BOAT LANDING -- 4.3 Miles



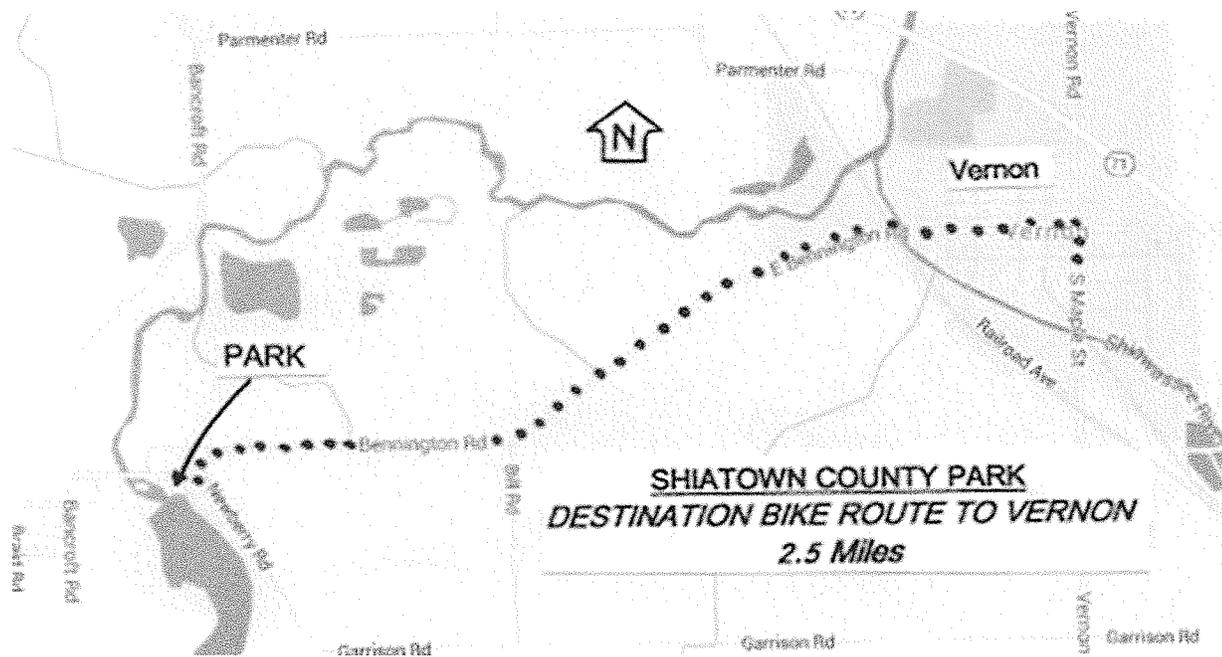
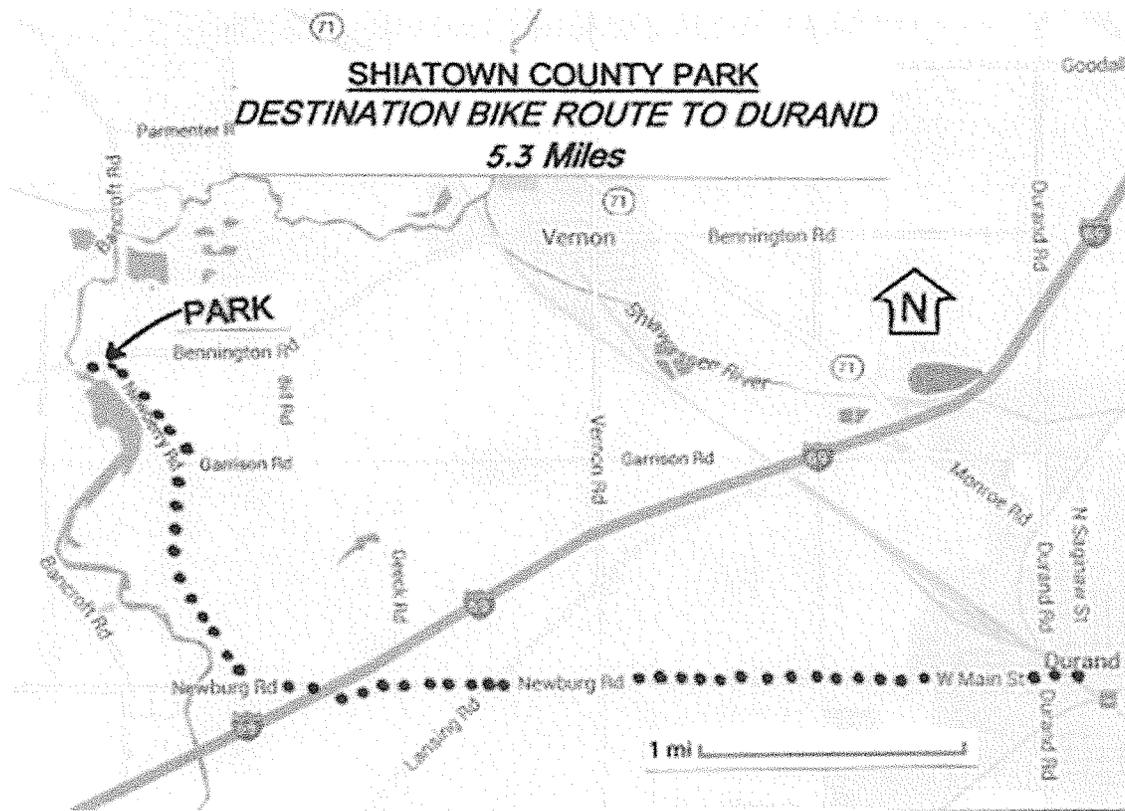
GEECK ROAD COUNTY PARK BOAT LAUNCH
DESTINATION BIKE ROUTE TO
WALNUT HILLS BOAT LAUNCH
4.5 Miles



3) Shiatown County Park Bike Route Maps:

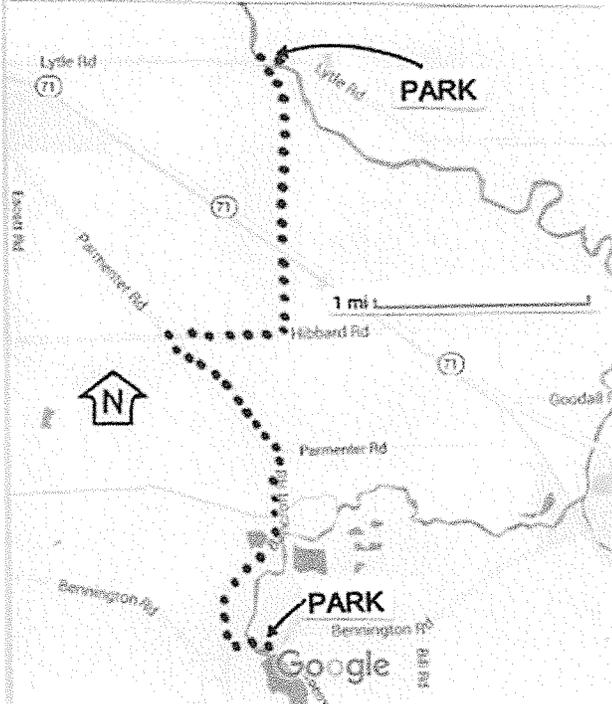


Shiatown County Park Bike Route Maps (cont'd):

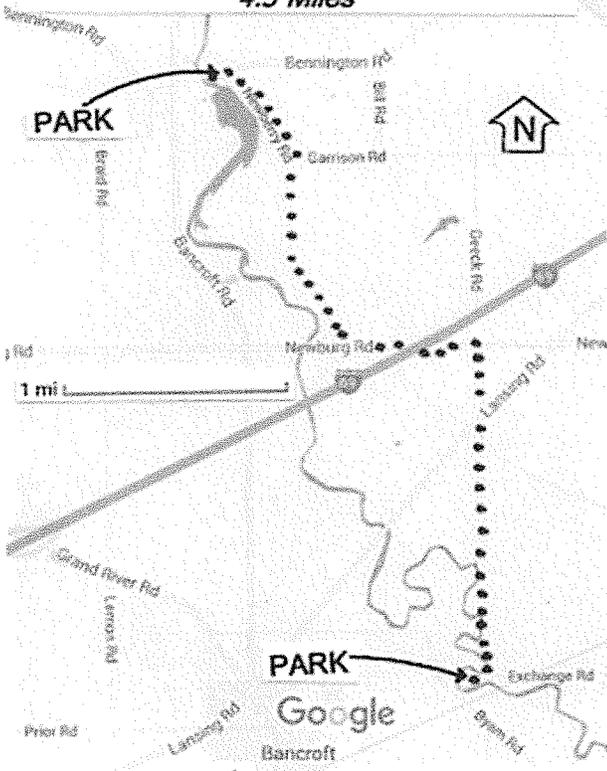


Shiatown County Park Bike Routes (cont'd):

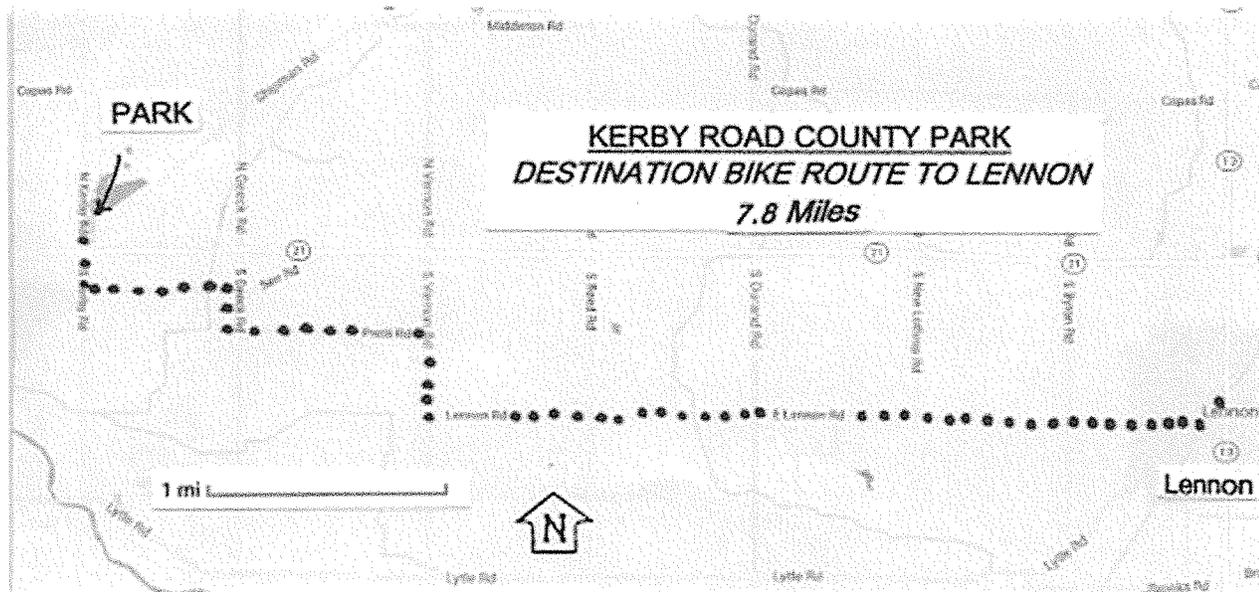
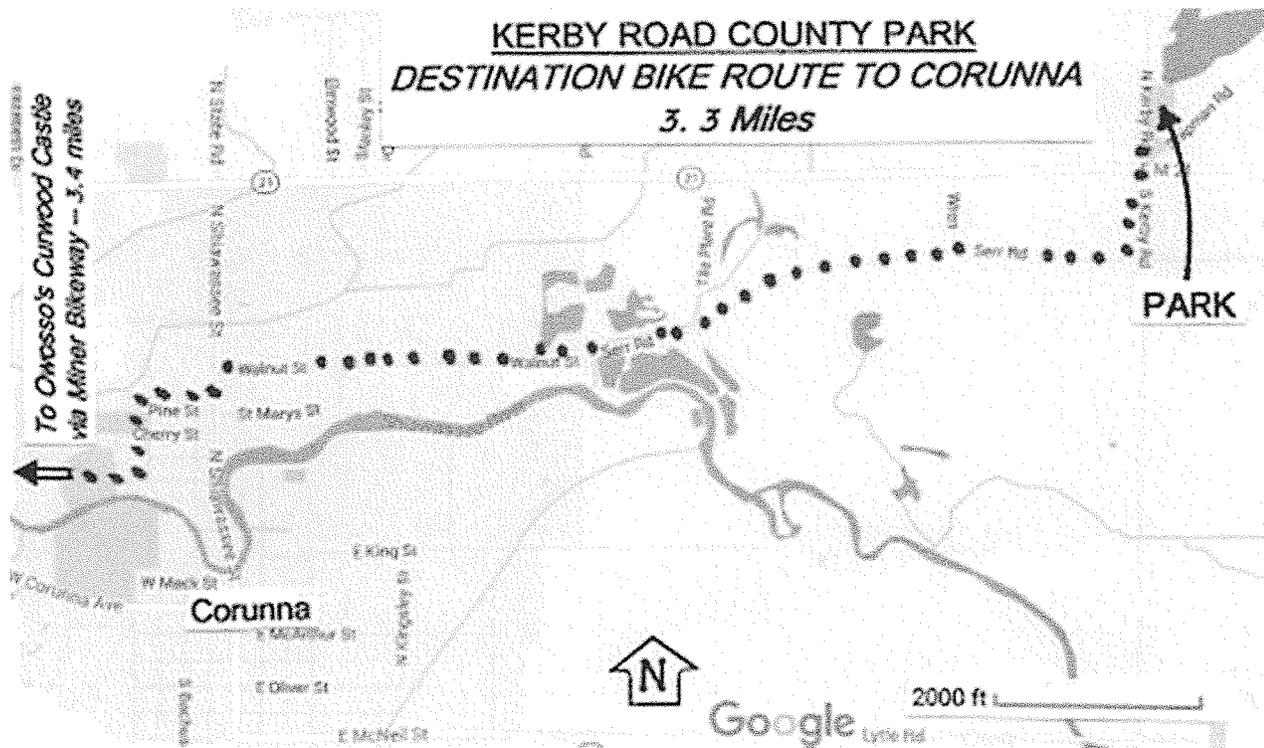
**SHIATOWN COUNTY PARK LAUNCH
DESTINATION BIKE ROUTE TO
LYTLE RD PADDLE BOAT LANDING/LAUNCH
4 Miles**



**SHIATOWN COUNTY PARK BOAT LAUNCH
DESTINATION BIKE ROUTE TO
GEECK ROAD LAUNCH
4.3 Miles**

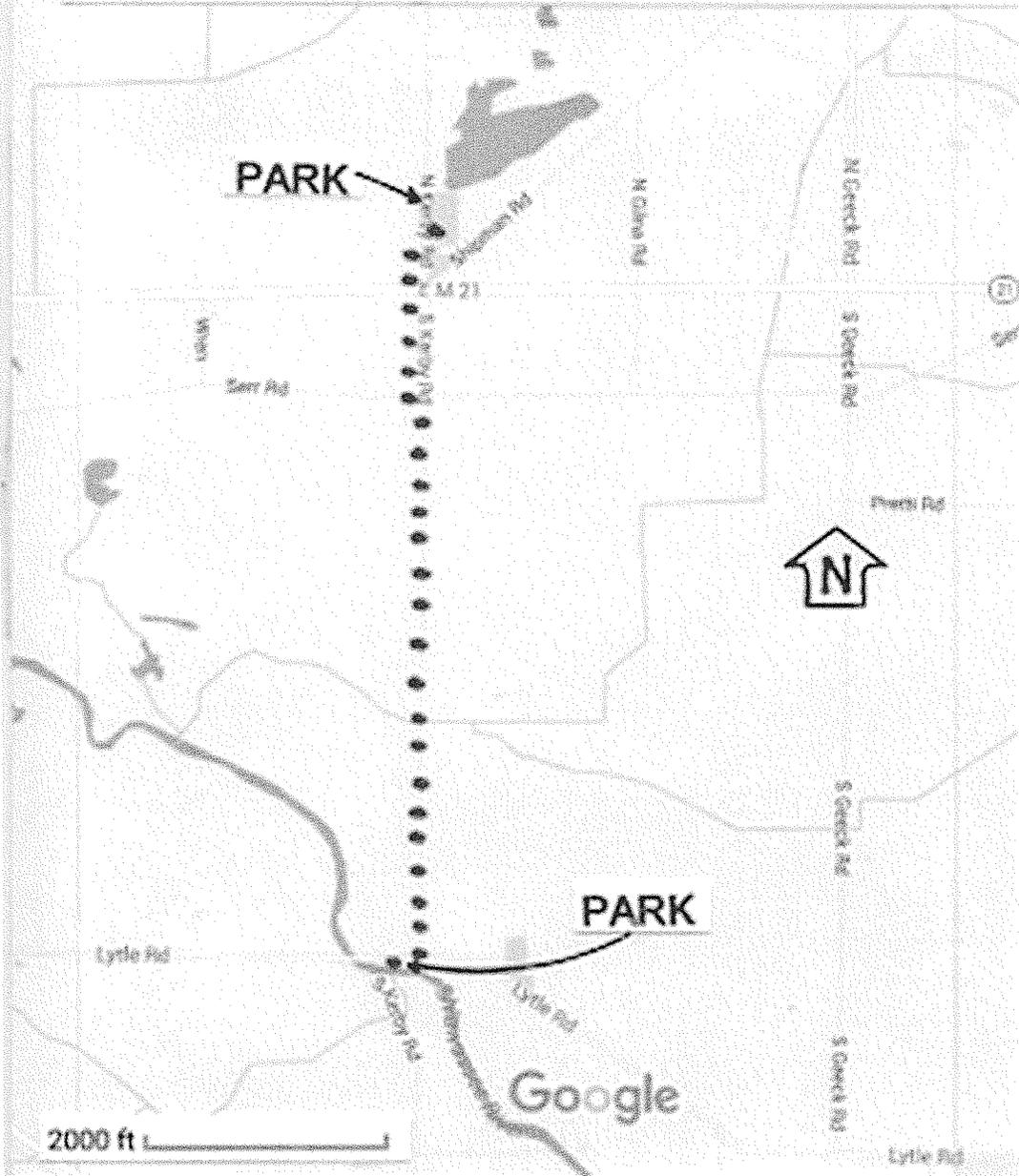


Kerby County Park Bike Routes (cont'd):



Kerby County Park Bike Route Maps (cont'd):

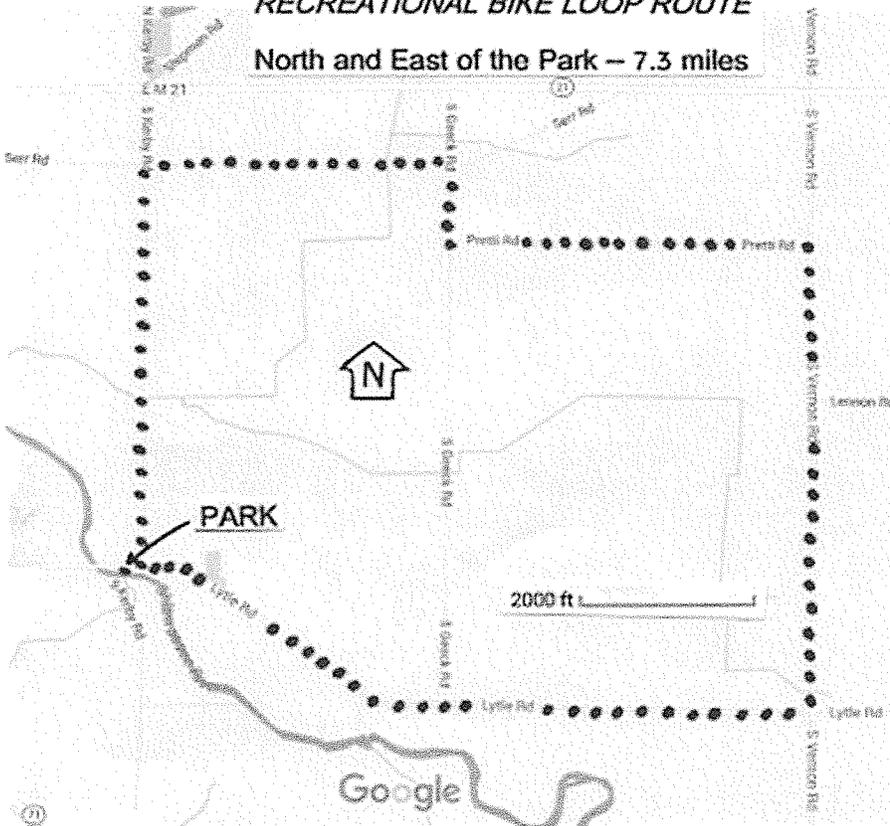
KERBY ROAD COUNTY PARK
DESTINATION BIKE ROUTE TO LYTLE RD PARK
1.6 Miles



5) Lytle Road County Park Bike Routes:

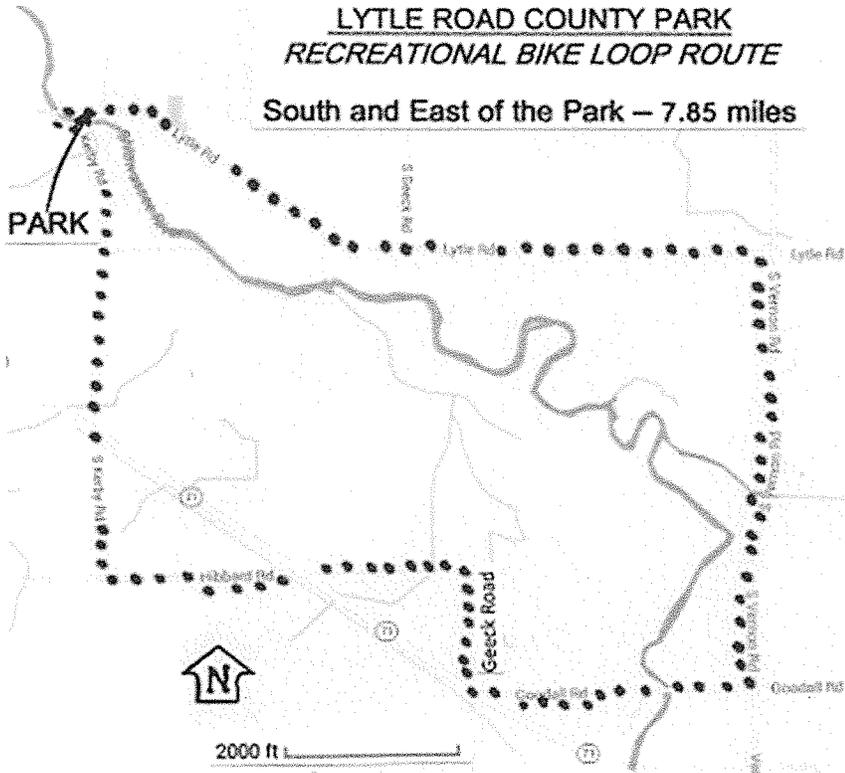
**LYTLE ROAD COUNTY PARK
RECREATIONAL BIKE LOOP ROUTE**

North and East of the Park – 7.3 miles

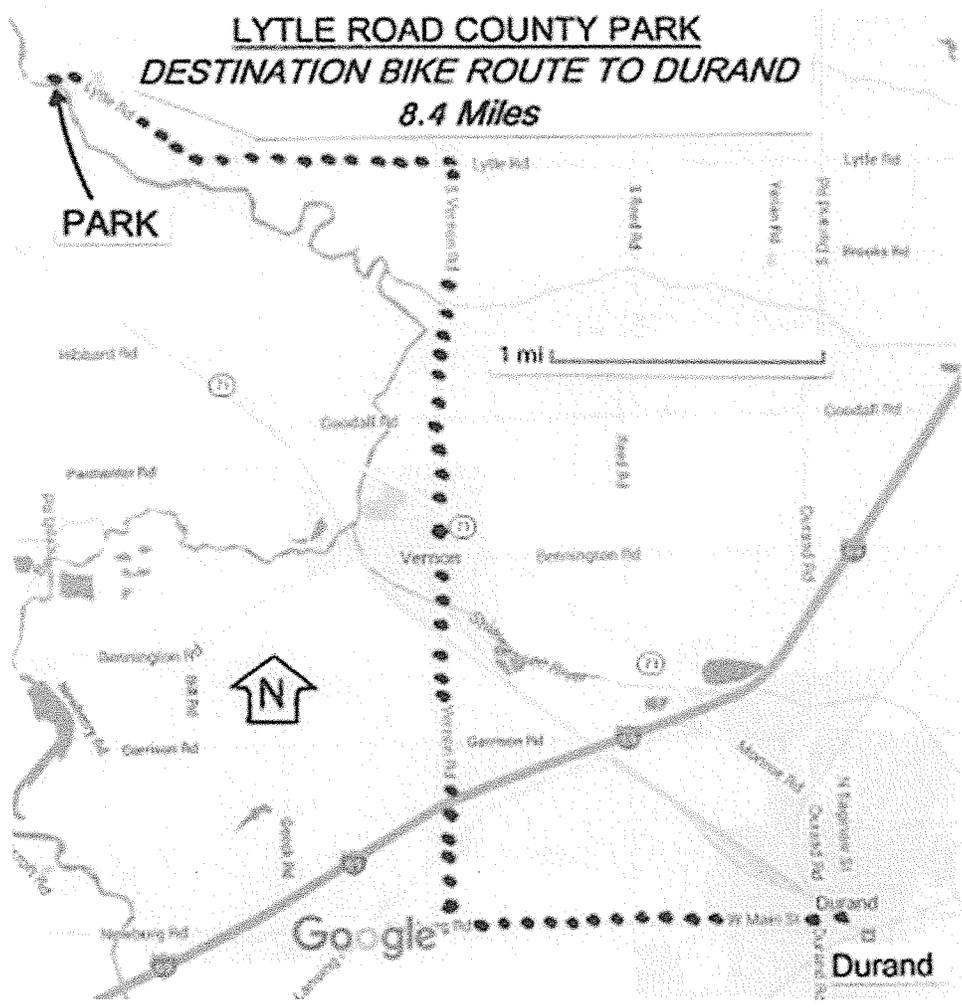
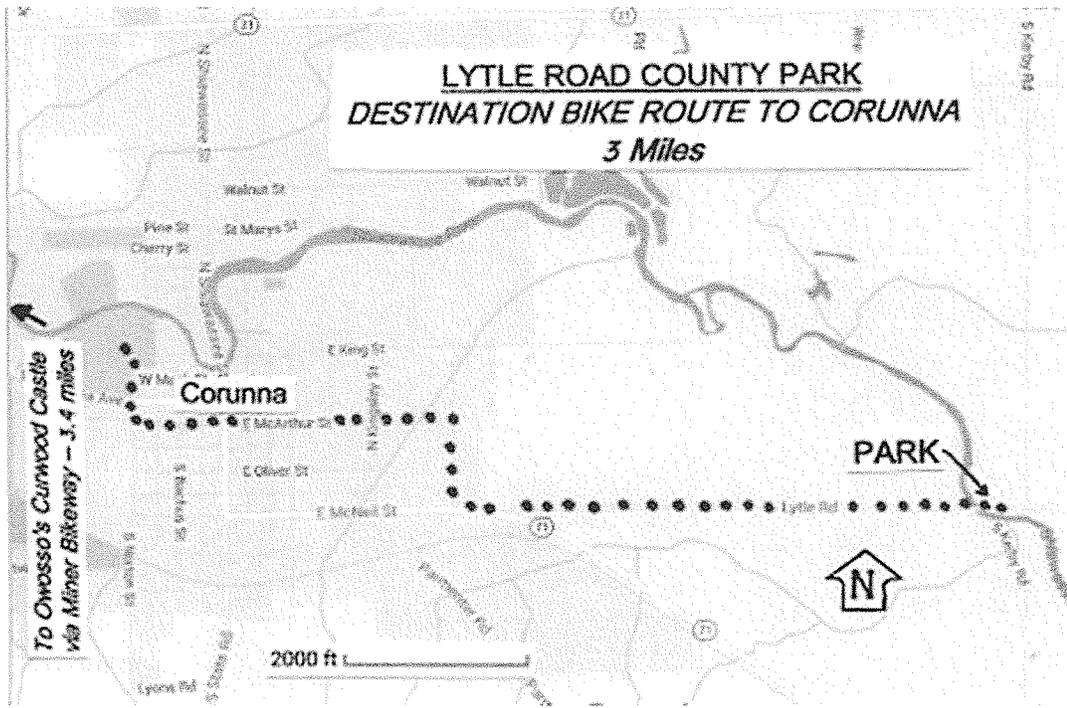


**LYTLE ROAD COUNTY PARK
RECREATIONAL BIKE LOOP ROUTE**

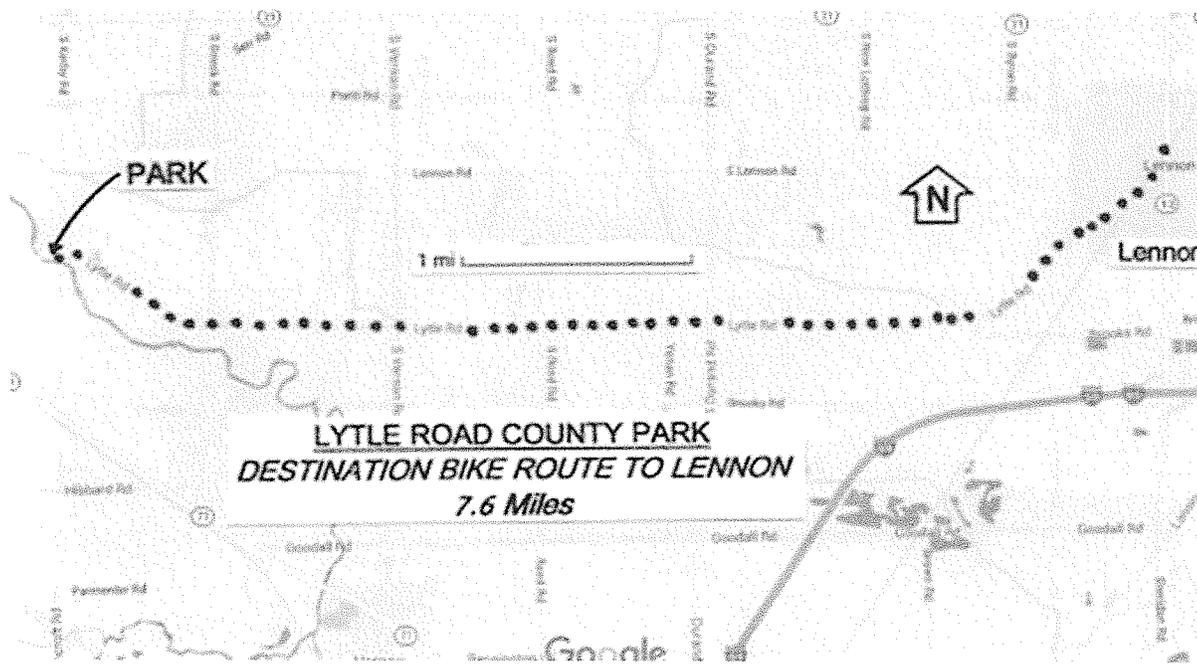
South and East of the Park – 7.85 miles



Lytle Road County Park Bike Routes (cont'd):



Lytle Road County Park Bike Routes (cont'd):



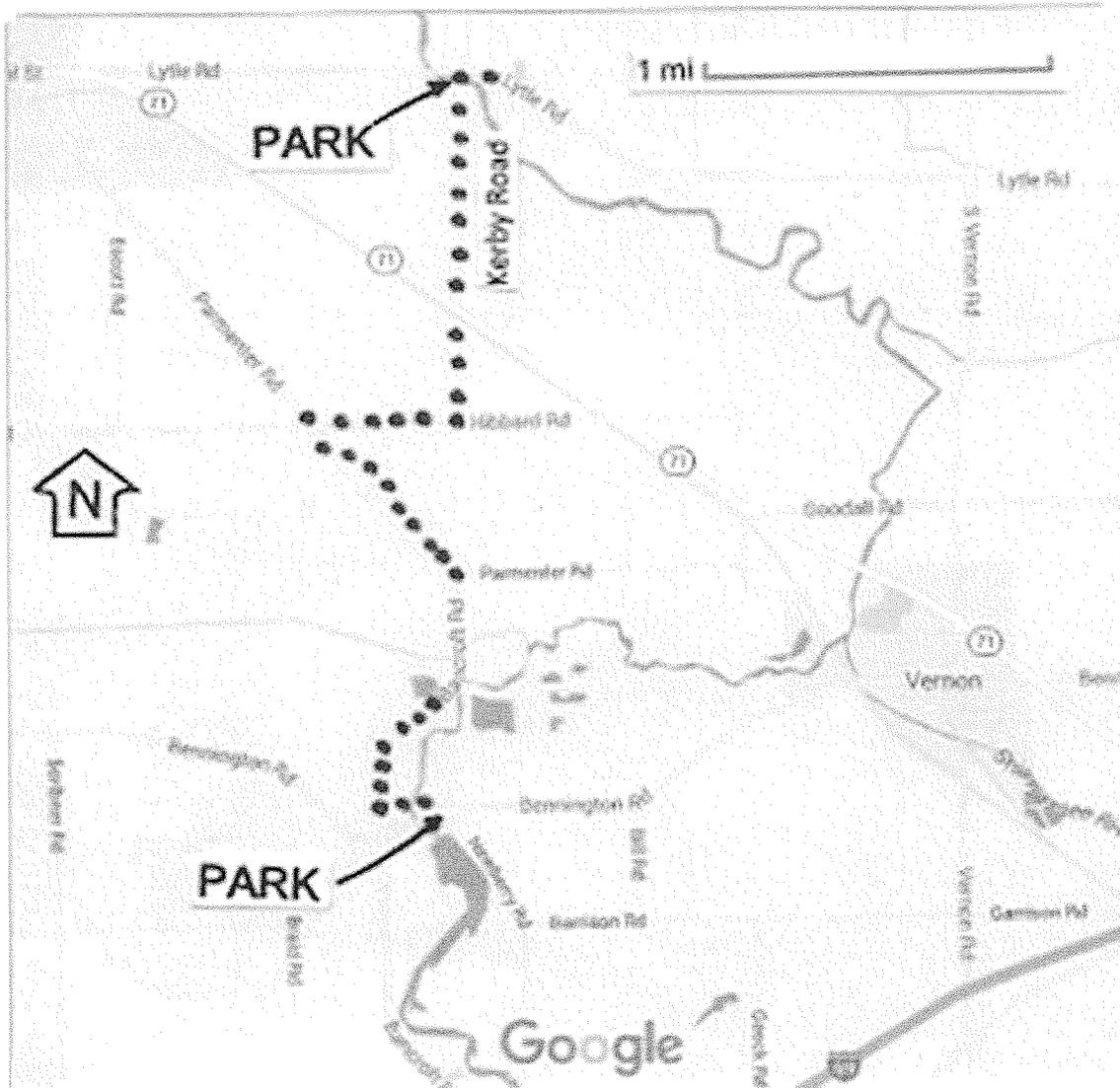
**LYTLE ROAD COUNTY PARK
DESTINATION BIKE ROUTE TO KERBY
ROAD COUNTY PARK—1.6 miles**



Lytle Road County Park Bike Route Maps (cont'd):

LYTLE ROAD COUNTY PARK
DESTINATION BIKE ROUTE TO SHIATOWN PARK &
PADDLE BOAT LANDING/LAUNCH

4 Miles

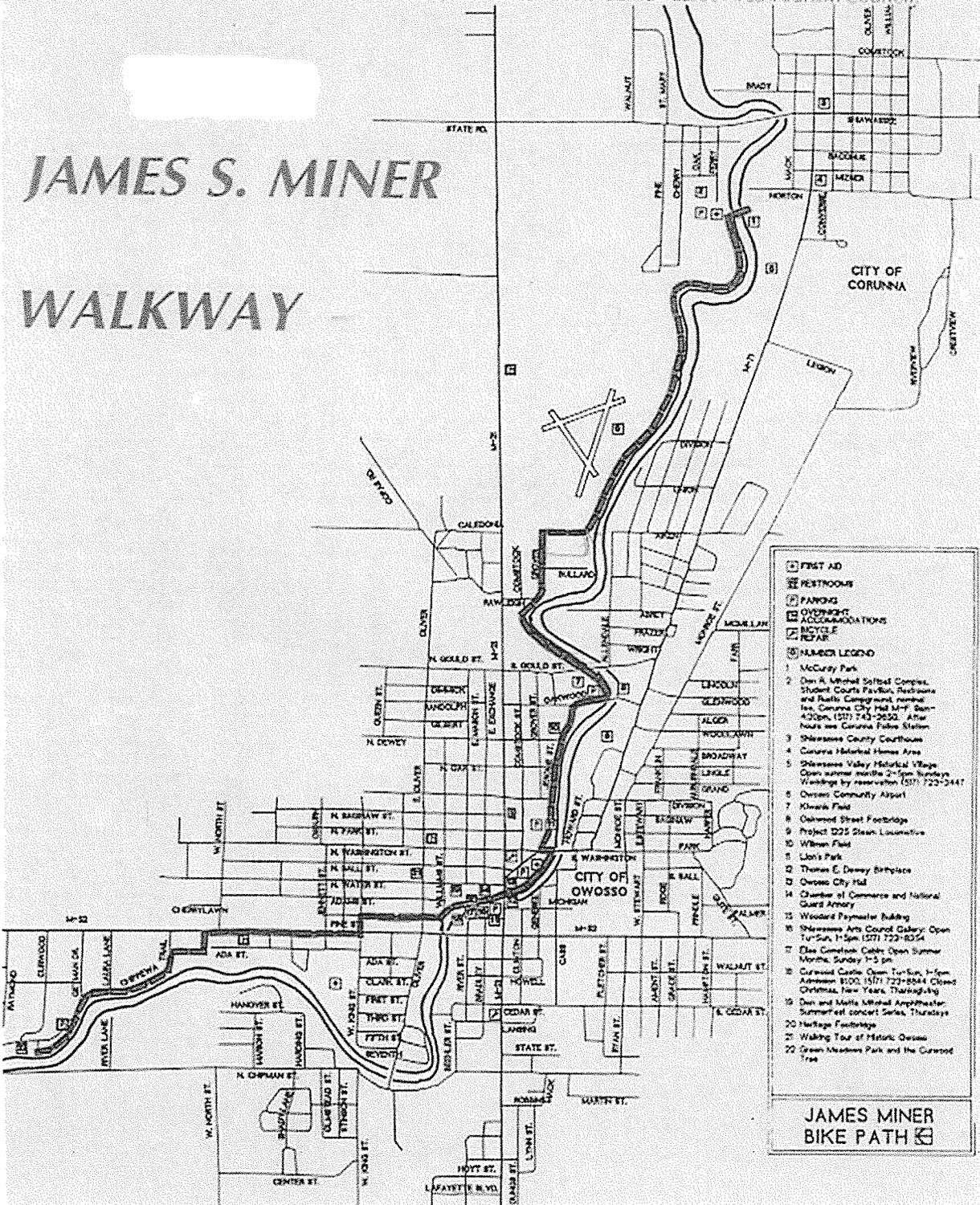


[End of Appendix E: County Park Bike Route Maps]

APPENDIX F: The James Miner Bikeway/Walkway

The James Miner Walkway provides an interesting and pleasant way of seeing some of the area between the Cities of Owosso and Corunna. This walkway path is accessible for both walking and biking. The map pictured here is furnished courtesy of the City of Owosso and the Shiawassee Area Tourism Council.

JAMES S. MINER WALKWAY



- [A] FIRST AID
 - [B] RESTROOMS
 - [C] PARKING
 - [D] OVERNIGHT ACCOMMODATIONS
 - [E] BICYCLE REPAIR
 - [F] NUMBER LEGEND
- 1 McCarty Park
 - 2 Don R. Mitchell Softball Complex, Student Courts Pavilion, Restrooms and Public Ground, normal hrs. Corunna City Hall 8am-4:30pm, (517) 743-2652. After hours see Corunna Police Station
 - 3 Shiawassee County Courthouse
 - 4 Corunna Historical Home Area
 - 5 Shiawassee Valley Historical Village. Open summer months 2-5pm Sundays. Walkings by reservation (517) 723-2447
 - 6 Owens Community Airport
 - 7 Kivark Field
 - 8 Oakwood Street Footbridge
 - 9 Project D25 Clean Limestone
 - 10 Wilken Park
 - 11 Lion's Park
 - 12 Thomas E. Dewey Birthplace
 - 13 Owosso City Hall
 - 14 Chamber of Commerce and National Guard Armory
 - 15 Woodard Paymaster Building
 - 16 Shiawassee Arts Council Gallery: Open Tu-Sun, 1-5pm (517) 723-8334
 - 17 Elm Camelon Cakes Open Summer Months, Sunday 1-5 pm
 - 18 Curedood Castle Open Tu-Sun, 1-5pm Admission \$100, (517) 723-8844 Closed Christmas, New Years, Thanksgiving
 - 19 Don and Nellie Mitchell Amphitheater. Summerfest concert Series, Thursdays
 - 20 Heritage Footbridge
 - 21 Walking Tour of Historic Owosso
 - 22 Green Meadows Park and the Curedood Tree
- JAMES MINER
BIKE PATH**