Appendix I:

Strategy Evaluation Criteria & Matrix

Alternatives Evaluation Criteria

CONNECT LIVINGSTON
Linking our communities

Users Served
1. Commuters
2. Residents
3. Visitors
4. Low-income
5. Seniors
6. Youth

7. Special Needs/Other (disabled, veterans, farmworkers, Amish, etc)

⬤ Benefits 5-7 user groups

◐ Benefits 2-4 user groups

◯ Benefits 0-1 user groups

Modes Served
1. Auto/Truck
2. Pedestrian
3. Bicyclist
4. Transit
5. Rail
6. Air
7. Water

Each mode that is served/benefitted would be indicated

Safety

⬤ Improves safety for any users/modes

◐ Neutral or no impact to safety

◯ Decreases safety for any users/modes

Cost of Implementation

Considers order of magnitude and life cycle costs, potential to leverage other resources, consideration of immediacy of benefit

⬤ Low/medium order of magnitude & life cycle cost; High potential to leverage other funding sources; Significant benefit early in project life cycle

◐ High order of magnitude and life cycle costs but high potential to leverage other funding souces; Low/medium order of magnitude and life cycle costs but low potential to leverage other funding sources; Benefits are distributed evenly across the life of project

◯ High order of magnitude and life cycle cost; Low potential to leverage other funding sources; Benefit is delayed or ramps up over life of project

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Timeframe/Ease of Implementation

Considers timeframe, availability of technology, support/partners for implementation

⬤ Short (0-5 years) timeframe, established technology & support/partnership network

◐ Mid-term/Continuous (6-15 years) timeframe, potential for support/partnerships but nothing established

◯ Long-term (16+ years) timeframe, no technology currently available, no established support/partnerships

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Connectivity Within Livingston County

Destinations
1. Workplaces/educational facilities
2. Medical facilities
3. Recreational/historic/social/ special events
4. Commercial establishments
5. Food sources

⬤ Establishes 3-5 new or improved direct connections between major origin/destinations within the County for any users/modes

◐ Establishes 1-2 new or improved direct connections between major origin/destinations within the County for any users/modes or has the potential to improve/increase connectivity

◯ Eliminates an existing direct connection between major origin/destinations within the County

Alternatives Evaluation Criteria Cont.

Connectivity Outside Livingston County

● Establishes 3-5 new or improved direct connections between major origin/destinations outside the County for any users/modes

◐ Establishes 1-2 new or improved direct connections between major origin/destinations outside the County for any users/modes or has the potential to improve/increase connectivity

○ Eliminates an existing direct connection between major origin/destinations outside the County

Consistency With Planning Efforts

● Consistent with 2 or more documented local or regional planning efforts

◐ Consistent with 1 documented local or regional planning effort

○ Not known to be documented in other local or regional planning effort

Environmental, Historical, & Cultural Impacts

Considers sustainability practices or potential for them, preserving & promoting historic/cultural characteristics, direct impacts to environment, etc.

● Positive impact to environmental, historical, & cultural assets within the County

◐ Neutral or no impact to environmental, historical, & cultural assets within the County

○ Negative impact to environmental, historical, & cultural assets within the County

Impacts to business/industrial/economic development

Considers tourism, job retention, creation, and expansion, impacts to operations, new business development, etc.

● Positive impact to business/industrial/economic development

◐ Neutral or no impact to business/industrial/economic development

○ Negative impact to business/industrial/economic development

Quality of life/public health

● Positive impact to quality of life/public health

◐ Neutral or no impact to quality of life/public health

○ Negative impact to quality of life/public health

Legend:
- ● 2 - Positive
- ◐ 1 - No impact/neutral
- ○ 0 - Negative

Goal	Strategy	Users Served	Modes Served	Safety	Cost of Implementation	Timeframe/Ease of Implementation	Connectivity Within Livingston County	Connectivity Outside Livingston County	Consistency with Planning Efforts	Environmental, Historical, & Cultural Impacts	Business, Industrial & Economic Development Impacts	Quality of Life/Public Health Impacts	Total	Notes
#1: Provide a sustainable transportation network that provides facilities for and encourages use by all modes, with particular emphasis on pedestrians and bicyclists.	#1.a: Implement standard roadway cross sections that include pedestrian/bicycle infrastructure	●		●	◐	◐	●	◐	●	◐	●	●	16	**Users served:** All **Connectivity w/in County:** text **Planning efforts:** numerous plans/studies
#1	#1.b: Provide pedestrian/bicycle amenities such as bike parking, landscaping, street furniture, etc	●		●	●	●	◐	◐	●	●	●	●	18	**Users served:** All **Connectivity w/in County:** text **Planning efforts:** numerous plans/studies
#1	#1.c: Close gaps in trails network & improve trailhead access/amenities	●		●	◐	◐	●	●	●	●	●	●	18	**Users served:** All **Connectivity w/in County:** text **Planning efforts:** numerous plans/studies
#1	#1.d: Improve existing & create new river/boating access	◐		●	●	●	◐	◐	●	●	●	●	17	**Users served:** Residents, Visitors **Connectivity w/in County:** text **Planning efforts:** Genesee-Finger Lakes Regional Blueway Analysis, V of Avon Comp Plan, FL Regional Sustainability Plan
#1	#1.e: Develop/update zoning/comprehensive plans	●		●	●	●	●	●	◐	●	●	●	19	**Users served:** All **Connectivity w/in County:** N/A **Planning efforts:** FL Regional Sustainability Plan
#1	#1.f: Market/promote active transportation	●		◐	◐	●	●	●	●	●	●	●	18	**Users served:** All **Connectivity w/in County:** All Destinations **Planning efforts:** numerous plans/studies
#1	#1.g: Continue to identify & leverage potential funding options including various grants, private/public partnerships, etc	●		◐	●	●	●	●	●	●	●	●	19	**Users served:** All **Connectivity w/in County:** N/A **Planning efforts:** numerous plans/studies
#1	#1.h: Improve access to significant business and residential hubs	●		●	◐	◐	●	●	●	◐	●	●	17	**Users served:** All **Connectivity w/in County:** Workplaces, Commercial Establishments, Neighborhoods **Planning efforts:** numerous plans/studies
#2: Improve safety for all modes and users of the transportation system through system design, innovative technology, and education.	#2.a: Encourage/discourage truck traffic on specific roadways	●		●	◐	●	○	○	●	◐	◐	●	13	**Users served:** All **Connectivity w/in County:** eliminates some connections **Planning efforts:** T of Geneseo Outside Village, Freight/Goods Movement in the GFL Region
#2	#2.b: Develop access management plans & implement recommendations	●		●	●	●	●	◐	●	◐	●	◐	17	**Users served:** All **Connectivity w/in County:** All Destinations **Planning efforts:** numerous plans/studies
#2	#2.c: Review existing roadway characteristics	●		●	◐	●	●	●	◐	◐	◐	◐	15	**Users served:** All **Connectivity w/in County:** N/A **Planning efforts:** FL Regional Sustainability Plan
#2	#2.d: Implement intersection, roadway, & corridor safety improvements	●		●	●	●	●	●	●	◐	◐	●	18	**Users served:** All **Connectivity w/in County:** N/A **Planning efforts:** numerous plans/studies
#2	#2.e: Install intersection- and pedestrian-level lighting	●		●	●	●	●	●	●	◐	◐	●	18	**Users served:** All **Connectivity w/in County:** N/A **Planning efforts:** numerous plans/studies

Column descriptions:
- Criteria
- Users Served: Considers # of user groups benefited
- Modes Served
- Safety: Emphasizes importance of improving safety for all users and all modes through recommended strategies/ projects
- Cost of Implementation: Considers order of magnitude and life cycle costs, potential to leverage other resources, consideration of immediacy of benefit
- Timeframe/Ease of Implementation: Considers timeframe, availability of technology, support/partners for implementation
- Connectivity Within Livingston County: Considers the improvement or establishment of a new connection(s) between destinations within the County
- Connectivity Outside Livingston County: Considers the improvement or establishment of a new connection(s) outside of the County
- Consistency with Planning Efforts: Considers if the strategy/project has been identified/ documented in other studies or previous planning efforts
- Environmental, Historical, & Cultural Impacts: Considers sustainability practices or potential for them, preserving & promoting historic/cultural characteristics, direct impacts to environment, etc.
- Business, Industrial & Economic Development Impacts: Considers tourism, job retention, creation, and expansion, impacts to operations, new business development, etc.
- Quality of Life/Public Health Impacts: Considers the improvement of the quality of life and encouragement of active transportation to improve public health

Legend:
- ● 2 - Positive
- ◐ 1 - No impact/neutral
- ○ 0 - Negative

Goal	Strategy	Users Served (Considers # of user groups benefited)	Modes Served	Safety (Emphasizes importance of improving safety for all users and all modes through recommended strategies/ projects)	Cost of Implementation (Considers order of magnitude and life cycle costs, potential to leverage other resources, consideration of immediacy of benefit)	Timeframe/Ease of Implementation (Considers timeframe, availability of technology, support/partners for implementation)	Connectivity Within Livingston County (Considers the improvement or establishment of a new connection(s) between destinations within the County)	Connectivity Outside Livingston County (Considers the improvement or establishment of a new connection(s) outside of the County)	Consistency with Planning Efforts (Considers if the strategy/project has been identified/ documented in other studies or previous planning efforts)	Environmental, Historical, & Cultural Impacts (Considers sustainability practices or potential for them, preserving & promoting historic/cultural characteristics, direct impacts to environment, etc.)	Business, Industrial & Economic Development Impacts (Considers tourism, job retention, creation, and expansion, impacts to operations, new business development, etc.)	Quality of Life/Public Health Impacts (Considers the improvement of the quality of life and encouragement of active transportation to improve public health)	Total	Notes
#2	#2.f: Evaluate existing speed limits & increase enforcement	●	(bus, walk, bike icons)	●	◐	●	●	●	●	◐	◐	●	17	**Users served:** All **Connectivity w/in County:** N/A **Planning efforts:** numerous plans/studies
#2	#2.g: Educate the public on the rules of the road – all users/modes	●	(bus, walk, bike, transit icons)	●	●	●	●	●	◐	◐	◐	●	17	**Users served:** All **Connectivity w/in County:** N/A **Planning efforts:** Safe Routes to School Guidebook for the GFL Region
#3: Improve freight transportation infrastructure and access.	#3.a: Improve access to regional priority economic development sites: Dansville Industrial Park, Livonia Gateway Park, 2 Avon Parks & Caledonia Industrial Development Area	◐	(bus, walk, bike, transit, rail, air icons)	◐	◐	◐	●	●	●	○	●	◐	13	**Users served:** Commuters, Residents, Visitors **Connectivity w/in County:** All Destinations **Planning efforts:** Livonia Comp Plan, Freight/Goods Movement in the GFL Region, Rt 20A Access Management Plan, FL Regional Sustainability Plan
#3	#3.b: Maintain, repair, & rebuild key components of regional rail network including the Portage Bridge and the Rochester & Southern Railroad rail line between Dansville & Mt Morris	◐	(rail icon)	●	◐	◐	●	●	●	●	●	◐	16	**Users served:** Residents, Other **Connectivity w/in County:** Workplaces, Commercial Establishments **Planning efforts:** numerous plans/studies
#3	#3.c: Evaluate and improve rail crossings	●	(bus, rail icons)	●	◐	◐	●	●	◐	◐	◐	◐	14	**Users served:** All **Connectivity w/in County:** N/A **Planning efforts:** FL Regional Sustainability Plan
#3	#3.d: Maintain airport facilities: Dansville & Geneseo Airports	◐	(air icon)	◐	◐	◐	●	●	●	●	●	◐	15	**Users served:** Residents, Visitors **Connectivity w/in County:** N/A **Planning efforts:** Dansville/N Dansville Comp Plan, 2005 Dansville Municipal Airport Airport Layout Plan Update
#3	#3.e: Market/promote/educate - importance of freight transportation	○	(rail icon)	◐	●	●	●	●	●	●	●	◐	16	**Users served:** Other **Connectivity w/in County:** N/A **Planning efforts:** Freight/Goods Movement in the GFL Region, FL Regional Sustainability Plan
#4: Provide comprehensive and innovative public transportation services through LATS and other human service providers.	#4.a: Improve route connectivity & transfers	●	(transit icon)	◐	●	●	●	◐	●	●	●	●	18	**Users served:** All **Connectivity w/in County:** All **Connectivity Outside County:** Monroe County, Possibly Wyoming Co. **Planning Efforts:**
#4	#4.b: Simplify route structure to focus on core services	●	(transit icon)	◐	●	●	◐	◐	◐	◐	●	●	15	**Users served:** All **Connectivity w/in County:** May add connectivity but focus is on improving existing connections **Connectivity Outside County:** Improve ease of connection w/ Monroe County **Planning Efforts:**
#4	#4.c: Improve frequency/service span	●	(transit icon)	◐	○	●	●	◐	●	●	●	●	16	**Users served:** All **Connectivity w/in County:** All **Connectivity Outside County:** Monroe County **Planning Efforts:**

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● 2 - Positive
◐ 1 - No impact/neutral
○ 0 - Negative

Goal	Strategy	Users Served (Considers # of user groups benefited)	Modes Served	Safety	Cost of Implementation	Timeframe/Ease of Implementation	Connectivity Within Livingston County	Connectivity Outside Livingston County	Consistency with Planning Efforts	Environmental, Historical, & Cultural Impacts	Business, Industrial & Economic Development Impacts	Quality of Life/Public Health Impacts	Total	Notes
#4	#4.d: Improve out of county transit service & connections	●	🚋	◐	○	◐	◐	●	●	●	●	●	15	**Users served:** All **Connectivity w/in County:** Likely improves internal connectivity through express service **Connectivity Outside County:** Monroe County (Strong, Downtown, others?), Possibly Wyoming Co. **Planning Efforts:**
#4	#4.e: Document services & contact info for human service providers and create new or expand partnerships with non-profit and private transportation providers	●	🚋	◐	●	●	●	●	◐	◐	◐	●	16	**Users served:** All **Connectivity w/in County:** Improved awareness of transportation services, organization, efficiency in service **Connectivity Outside County:** Same goes for connections to out-of-county. **Planning Efforts:**
#4	#4.f: Enhance existing & create new transit stops – ensure safe & secure pedestrian/bicycle access/ADA compliance	●	🚶🚲🚋	●	◐	◐	◐	◐	◐	◐	◐	●	13	**Users served:** All **Connectivity w/in County:** All **Connectivity Outside County:** Monroe County, Possibly Wyoming Co. **Planning Efforts:**
#4	#4.g: Improve marketing/promotional/educational outreach	●	🚋	◐	●	●	◐	◐	◐	◐	◐	●	14	**Users served:** All **Connectivity w/in County:** Improved awareness of transit service should allow some users who did not previous understand/have access to use transit for trips they could not previously make (or at least not easily); affects all location types **Connectivity Outside County:** Same goes for connections to out-of-county. **Planning Efforts:**
#5: Promote efficient, innovative, and sustainable system management, maintenance, and operations.	#5.a: Develop & execute a maintenance schedule for infrastructure that prioritizes key facilities	●	🚌🚶🚲🚋	◐	●	●	●	●	●	◐	●	◐	17	**Users served:** All **Connectivity w/in County:** N/A **Planning efforts:** GTC Regional Trails, FL Regional Sustainability Plan
#5	#5.b: Establish service/maintenance agreements	○	🚌🚶🚲🚋✈	◐	●	◐	●	●	◐	◐	◐	◐	12	**Users served:** Other **Connectivity w/in County:** N/A **Planning efforts:** GTC Regional Trails
#5	#5.c: Develop special event & emergency traffic management plans	●	🚌🚶🚲	●	◐	●	●	●	◐	●	◐	◐	16	**Users served:** All **Connectivity w/in County:** N/A **Planning efforts:** Not directly noted in reviewed documents but indirect effect of strategy would support numerous efforts
#5	#5.d: Continue to identify & leverage potential funding options to address key infrastructure deficiencies	●	🚌🚶🚲🚋	●	●	●	●	●	●	◐	●	●	19	**Users served:** All **Connectivity w/in County:** N/A **Planning efforts:** numerous plans/studies

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#6: Preserve, protect, and enhance the County's quality of life, natural environment, cultural heritage, and community appearance.	#6.a: Support the rural & small town economy through improved services, programs, access and other initiatives	●		◑	◑	◑	●	●	●	●	●	●	17	**Users served:** All **Connectivity w/in County:** All Destinations **Planning efforts:** numerous plans/studies
#6	#6.b: Research, implement, and/or support initiatives that reduce transportation energy consumption	●		◑	◑	●	●	●	◑	●	●	●	17	**Users served:** All **Connectivity w/in County:** N/A **Planning efforts:** FL Regional Sustainability Plan
#6	#6.c: Develop connections between transportation, culture, and tourism through trail development, connectivity with historic landmarks, etc	●		◑	◑	◑	●	●	●	●	●	●	17	**Users served:** All **Connectivity w/in County:** All Destinations **Planning efforts:** numerous plans/studies
#6	#6.d: Encourage growth in centers & support downtown revitalization	●		◑	◑	◑	◑	◑	●	●	●	●	15	**Users served:** All **Connectivity w/in County:** N/A **Planning efforts:** FL Regional Sustainability Plan, GTC Long Range Trans Plan