

Appendix A

Neighborhood Information

PURPOSE

Per public request for transportation information tailored to each Neighborhood District Association (NDA), all of the master plan figures were modified to include NDA boundaries in addition to the transportation conditions and proposed improvements.

The following maps are included in this appendix:

- Figure A-1: Pedestrian Master Plan with Neighborhood Boundaries
- Figure A-2: Bicycle Master Plan with Neighborhood Boundaries
- Figure A-3: Public Transit Master Plan with Neighborhood Boundaries
- Figure A-4: Street Network Master Plan with Neighborhood Boundaries
- Figure A-5: Freight Master Plan with Neighborhood Boundaries

These specific figures were selected because they depict both existing facilities and proposed improvements for each element, so they provide a comprehensive picture of the transportation environment of each neighborhood. These maps can be used to identify projects that impact a specific neighborhood and facilitate discussion about neighborhood transportation priorities.



Transportation System Plan

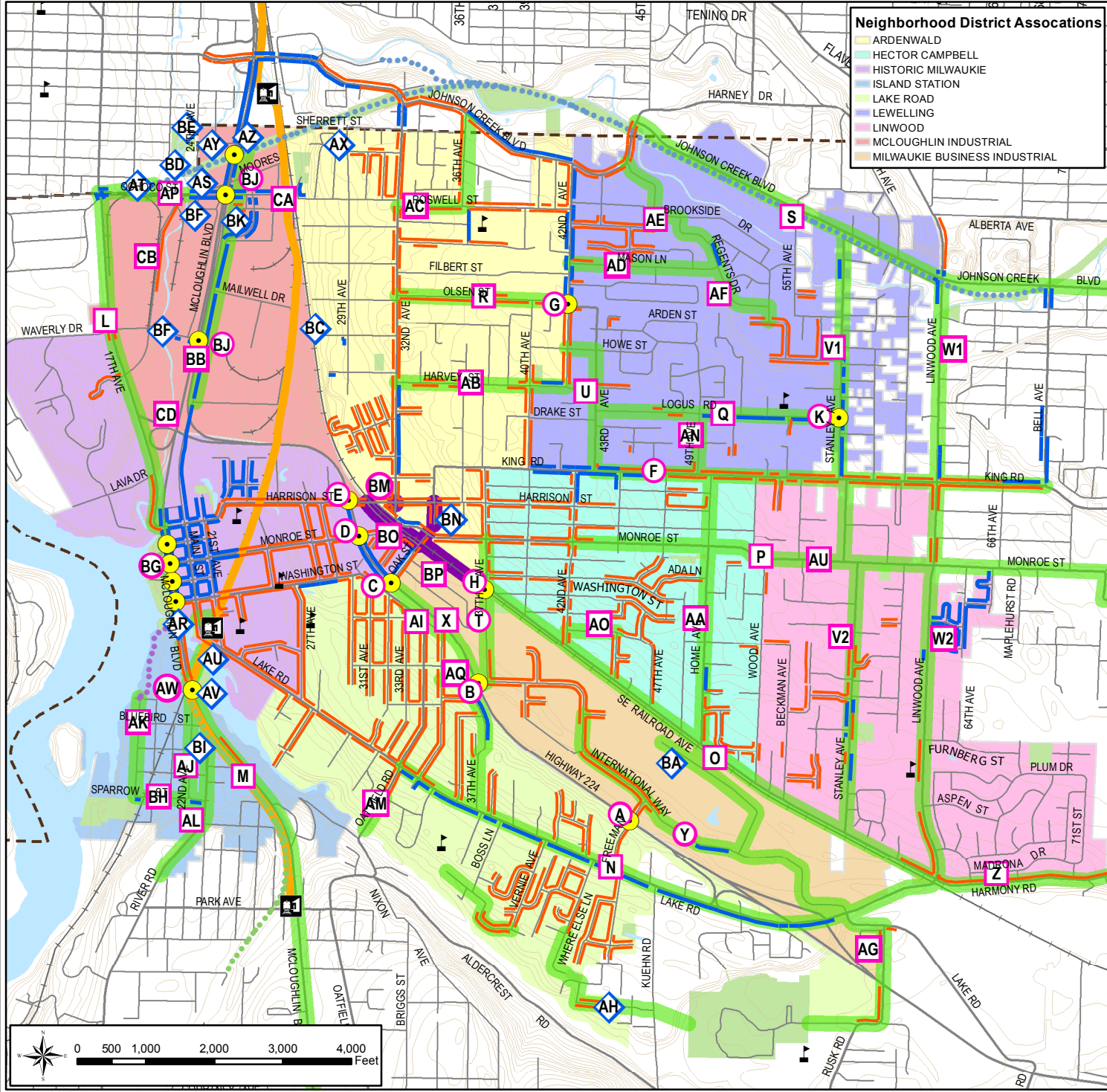
FIGURE A-1

PEDESTRIAN MASTER PLAN

October 2018

Neighborhood District Associations

- ARDENWALD
- HECTOR CAMPBELL
- HISTORIC MILWAUKIE
- ISLAND STATION
- LAKE ROAD
- LEWELLING
- LINWOOD
- MCLOUGHLIN INDUSTRIAL
- MILWAUKIE BUSINESS INDUSTRIAL



LEGEND

Existing Sidewalks	Proposed Improvement
< 5 ft width	Pedestrian Intersection Safety Improvement
5 ft - 10 ft width	Pedestrian Facilities
Kellogg Creek Trail	Central Milwaukie 2015 TSP Amendments
Springwater Trail	
Trolley Trail	
Schools	County Line
Major Roads	City Limits
Streets	Light Rail Transit
Railroad	Water
	Parks
	Light Rail Station

PROPOSED PROJECTS

- Improve Intersection to Increase Pedestrian Safety**
- A** Freeman Way/HWY 224
 - B** 37th Ave/HWY 224
 - C** Oak St/HWY 224
 - D** Monroe St/HWY 224
 - E** Harrison St/HWY 224
 - F** King Rd improvements
 - G** Olsen St/42nd Ave
 - H** Railroad Ave/37th Ave
 - K** Stanley Ave/Logus Rd
 - AW** McLoughlin Blvd and 22nd Ave
 - BG** All McLoughlin crossings
 - BJ** McLoughlin and Ochoco/Milport
- Provide Pedestrian Facilities Where Not Currently Present**
- L** See Table 5-1 for project descriptions L-AG, AI-AQ, BB, BH, CA-CD
- Enhance Existing Pedestrian Connection**
- AD** Create ped connection from Rowe Middle School to North Clackamas Park
 - AR** Construct pedestrian underpass under HWY 99E at Kellogg Creek
 - AT** Complete Springwater Trail along Ochoco St
 - AU** Construct bike-ped overpass over Kellogg Creek
 - AV** Construct Kronberg Park Trail
 - AX** Pave connection to Springwater Trail at 29th Ave and Sherrett
 - AY** Improve connection from Springwater Corridor to Pendleton Site
 - AZ** Construct stairs to connect Springwater Corridor to LRT Station
 - BA** Establish bike-ped connection across Railroad Ave and tracks
 - BC** Establish bike-ped connection over railroad tracks and LRT
 - BD** Construct stairs from Springwater Corridor to McLoughlin Blvd
 - BE** Construct bike-ped bridge over Johnson Creek along Clatsop St at 23rd Ave to connect to LRT station
 - BF** Improve bike-ped connection to neighborhoods west of station
 - BI** Establish bike-ped connection over McLoughlin at River Rd
 - BK** Establish bike-ped connection to McLoughlin at Stubb St
- Provide Improved Pedestrian Facilities in Central Milwaukie**
- BM, BN, BO, and BP** See Table 5-1 for project descriptions



Transportation System Plan

FIGURE A-2

BICYCLE MASTER PLAN

October 2018

LEGEND

Existing Bicycle Facilities

- Shared Lane
- Bicycle Lane
- Kellogg Creek Trail
- Springwater Trail
- Trolley Trail

Proposed Improvements

- Bicycle Intersection Safety Improvement
- Bicycle Lanes
- Neighborhood Greenway

- Schools
- Major Roads
- Streets
- Railroad
- 10' Contours
- County Line
- Water
- Parks
- Light Rail Station
- Light Rail Transit

PROPOSED PROJECTS

Improve Intersection to Increase Bicycle Safety

- Improve Intersection to Increase Bicycle Safety**
- A** Adams St/21st Ave/Railroad Crossing
- B** Johnson Creek Blvd/Springwater Trail
- C** Johnson Creek Blvd/Linwood Ave
- D** Linwood Ave/King Rd
- E** Linwood Ave/Monroe St
- F** Linwood Ave/Harmony Rd
- G** Washington St/Oak St/Hwy 224
- H** International Way/Lake Rd
- AF** McLoughlin and 22nd
- AP** McLoughlin/Ochoco/Milport

Provide Improved Bicycle Facilities Where not Currently Present

See Table 6-2 for project descriptions B-R, AI, AJ, and BA-BC

Enhance Existing Bicycle Connection

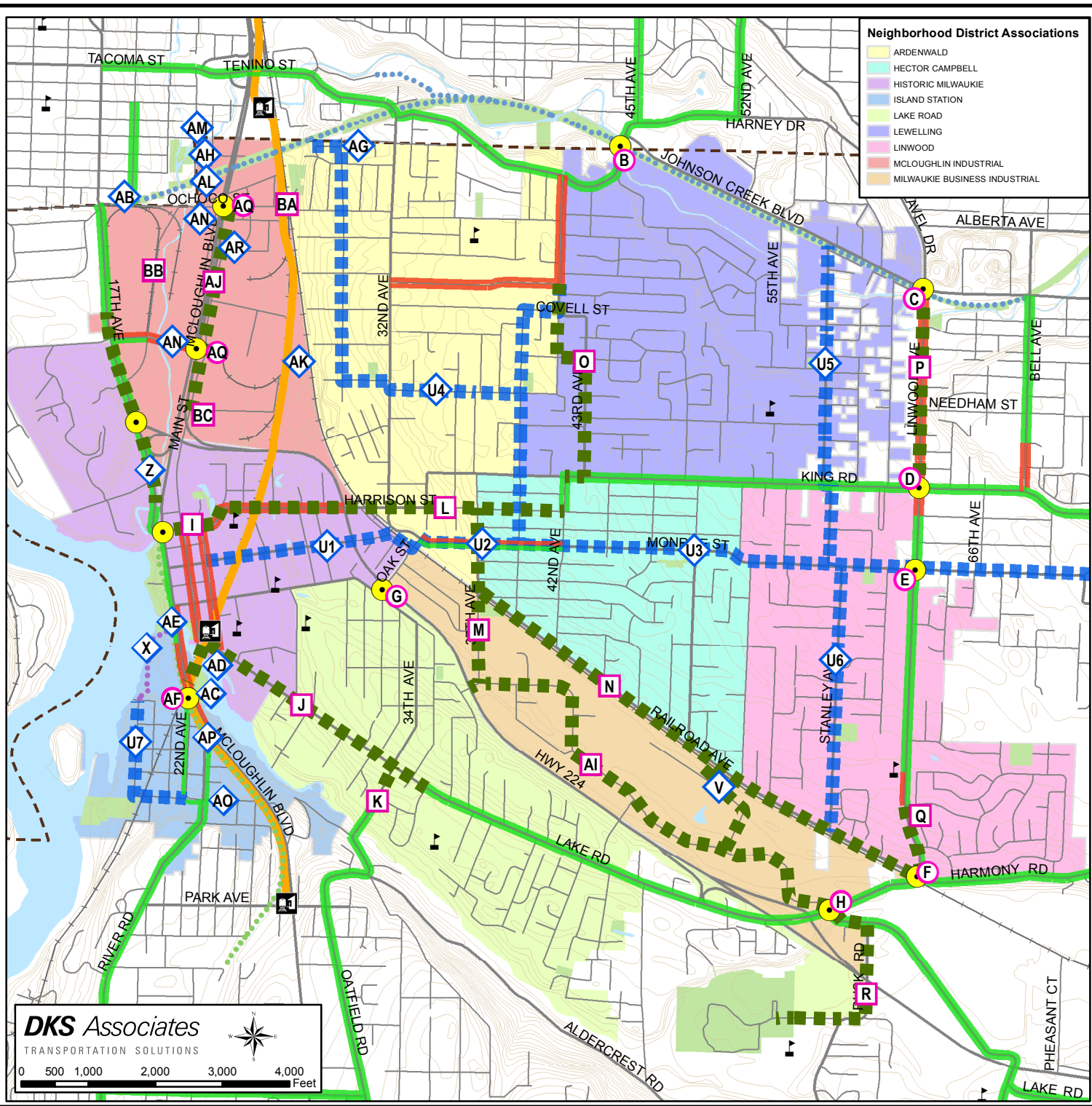
- U1-U7** Install Neighborhood Greenway treatments at various locations
- V** Construct bicycle overpass from Railroad Ave to International Way
- W** Improve Springwater Trail paving
- X** Improve Kellogg Creek Trail
- Y** Install Trolley Trail signage
- Z** Fill in gaps in existing bike network with bike lanes or multiuse path. Improve intersection safety on 17th Ave at Hwy 224 and at 99E.
- AB** Complete Springwater Trail along Ochoco St
- AC** Construct Kronberg Park Trail
- AD** Construct bike-ped overpass over Kellogg Creek
- AE** Construct pedestrian underpass under Hwy 99E at Kellogg Creek
- AG** Pave connection to Springwater Trail at 29th Ave and Sherrett
- AH** Improve connection from Springwater Corridor to Pendleton Site
- AK** Establish bike-ped connection over railroad tracks and LRT
- AL** Construct stairs to connect Springwater Corridor to McLoughlin Blvd
- AM** Construct bike-ped bridge over Johnson Creek along Clatsop St at 23rd Ave to connect to LRT station
- AN** Improve bike-ped connection to neighborhoods west of station
- AO** Establish bike-ped path on Sparrow to connect River Rd to Trolley Trail
- AP** Establish bike-ped connection over McLoughlin at River Rd
- AR** Establish bike-ped connection to McLoughlin at Stubb St

Provide Improved Bicycle Facilities in Central Milwaukie

See Table 6-2 for project descriptions AS, AT, AU, AV, and AW

Neighborhood District Associations

- ARDENWALD
- HECTOR CAMPBELL
- HISTORIC MILWAUKIE
- ISLAND STATION
- LAKE ROAD
- LEWELLING
- LINWOOD
- McLOUGHLIN INDUSTRIAL
- MILWAUKIE BUSINESS INDUSTRIAL



DKS Associates
TRANSPORTATION SOLUTIONS

0 500 1,000 2,000 3,000 4,000 Feet



Transportation System Plan

FIGURE A-3

PUBLIC TRANSIT MASTER PLAN

November 2013

LEGEND

Existing Facilities

- Bus Route Number
- Bus Stop
- Park and Ride
- Light Rail Station
- Bus Route
- Light Rail Transit

Proposed Improvements

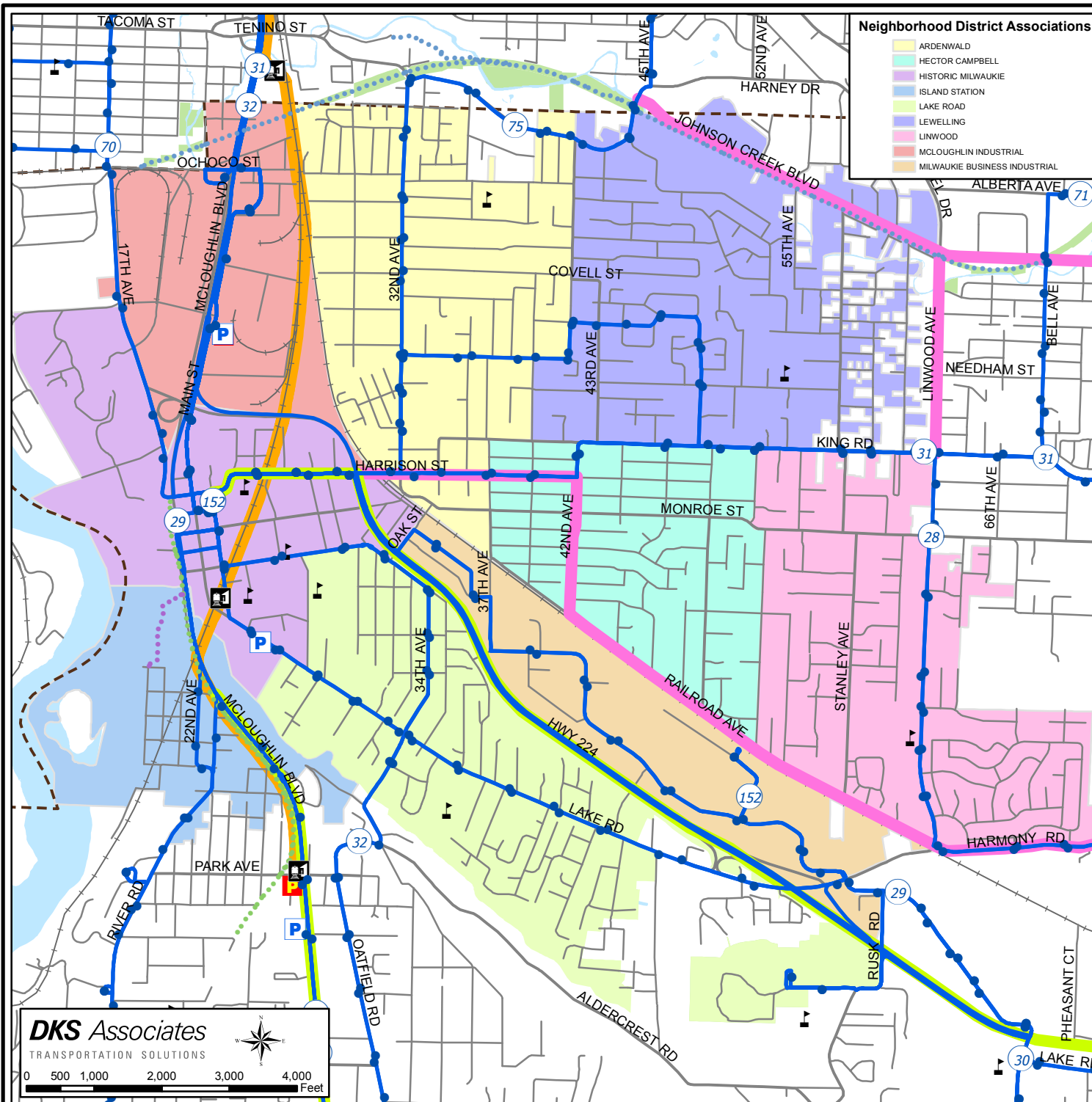
- Park and Ride
- New or Rerouted Bus Route
- Bus Rapid Transit Route

Other Map Features

- Schools
- Major Roads
- Streets
- Railroad
- Kellogg Creek Trail
- Springwater Trail
- Trolley Trail
- County Line
- Water
- Parks
- City Limits

Neighborhood District Associations

- ARDENWALD
- HECTOR CAMPBELL
- HISTORIC MILWAUKIE
- ISLAND STATION
- LAKE ROAD
- LEWELLING
- LINWOOD
- MCLOUGHLIN INDUSTRIAL
- MILWAUKIE BUSINESS INDUSTRIAL



DKS Associates

TRANSPORTATION SOLUTIONS



0 500 1,000 2,000 3,000 4,000 Feet



Transportation System Plan

FIGURE A-4

STREET NETWORK MASTER PLAN

October 2018

LEGEND

- Proposed Street Network Improvements**
- Travel Route Improvement (Blue oval)
 - Roadway Widening Project (Green oval)
 - Corridor Refinement Plan (Purple oval)
 - Intersection Improvement (Yellow circle)

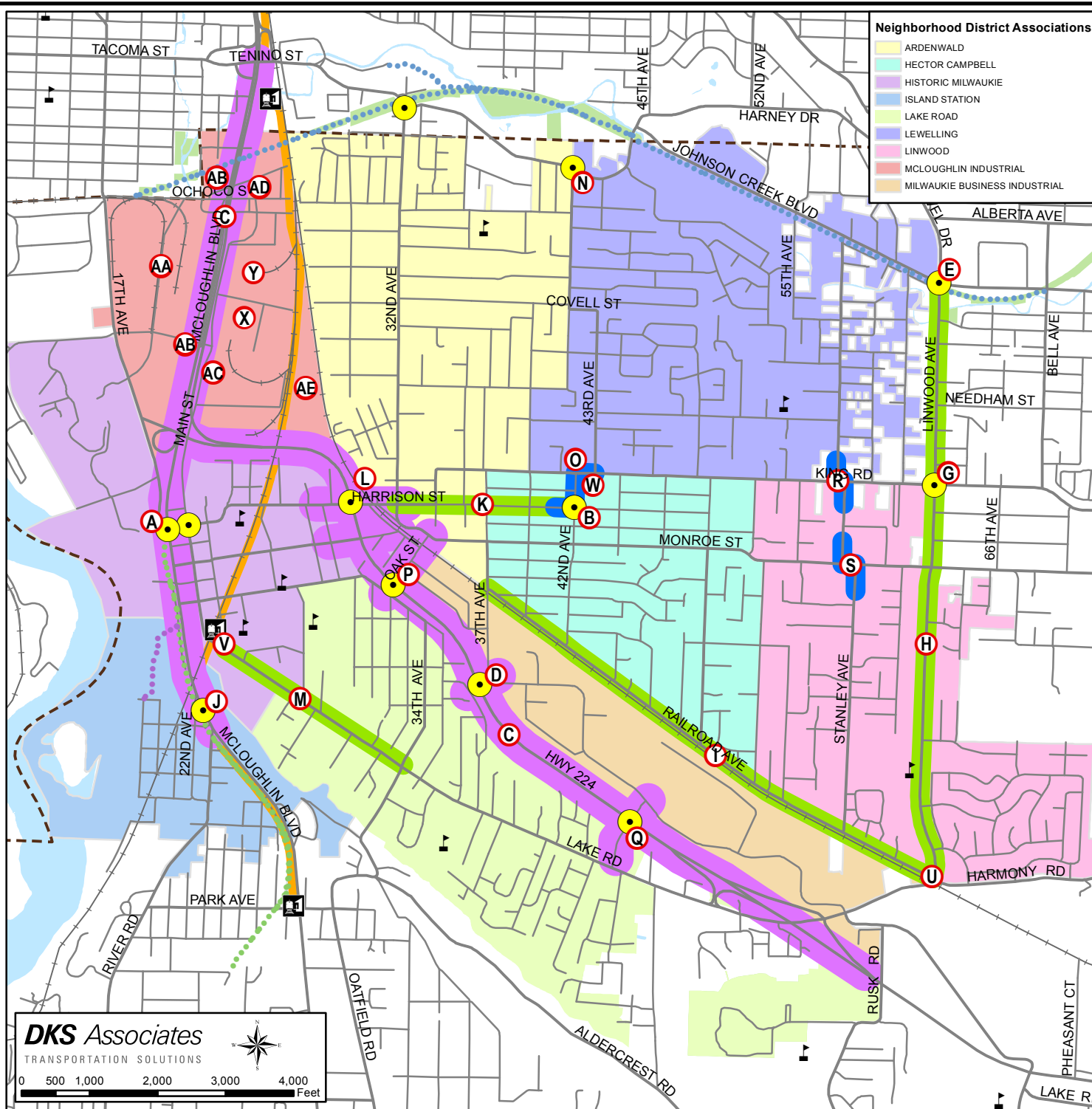
- Schools (Building icon)
- Light Rail Station (Square icon)
- Light Rail Rapid Transit (Orange line)
- Kellogg Creek Trail (Purple dotted line)
- Springwater Trail (Blue dotted line)
- Trolley Trail (Green dotted line)
- Major Roads (Thick grey line)
- Streets (Thin grey line)
- Railroad (Black line with cross-ticks)
- County Line (Dashed brown line)
- Water (Blue area)
- Parks (Green area)

PROPOSED PROJECTS

- A** Prohibit left turn movement at 17th Ave/McLoughlin Blvd and include in Refinement Plan
- B** Signalize Harrison St/42nd Ave
- C** Conduct Refinement Plan for HWY 99E/HWY 224 focused on motor vehicle and freight mobility.
 - HWY 99E Project Limits: Tacoma St to 17th Ave
 - HWY 224 Project Limits: HWY 99E to Lake Rd Interchange
- D** Reconfigure intersection to consolidate 37th Ave/Industrial Way
- E** Add eastbound/westbound right turn lanes and integrate the trail crossing
- G** Implement protected/permitted phasing for northbound and southbound left turns
- H** Widen Linwood Ave to standard three lane cross section
- I** Widen Railroad Ave to standard three lane cross section
- J** Redesign intersections of River Rd and 22nd Ave to consolidate intersections; or Add northbound left turn pocket on River Rd
- K** Widen Harrison St to standard three-lane cross section
- L** Add left turn-lanes and protected signal phasing on Harrison St approaches
- M** Widen Lake Rd to standard three-lane cross section
- N** Replace 3-way stop with signal when warranted and appropriate. (Coordinate with the City of Portland)
- O** Enhance connection between King Rd and Harrison St
- P** Add protected signal phasing on Oak St approaches
- Q** Improve intersection/modify access at HWY 224 and Freeman Way
- R** Enhance connection along Stanley Ave at King Rd
- S** Enhance connection along Stanley Ave at Monroe St
- V** Improve safety of Trolley Trail crossing at 22nd Ave
- W** Realign intersection to improve traffic between 42nd Ave and King Rd east of 42nd Ave
- X** Connect local streets within Tacoma Station Area (see Fig 8-4)
- Y** Construct street improvements on Stubb St, Beta St, Ochoco St, Hanna Harvester Dr and Mailwell Dr
- AA** McBrod Ave demonstration project with green street/shared facilities
- AB** Ochoco St and Milport Rd intersection redesign for wayfinding, circulation, and safety
- AC** Green street demonstration project between Downtown Milwaukie and Springwater Pedestrian Bridge
- AD** Moores St/Ochoco St/ 23rd Ave area reconfiguration
- AE** Create public right-of-way from Mailwell Dr to 26th Ave

Neighborhood District Associations

- ARDENWALD (Yellow)
- HECTOR CAMPBELL (Cyan)
- HISTORIC MILWAUKIE (Purple)
- ISLAND STATION (Light Blue)
- LAKE ROAD (Light Green)
- LEWELLING (Blue)
- LINWOOD (Pink)
- McLOUGHLIN INDUSTRIAL (Light Purple)
- MILWAUKIE BUSINESS INDUSTRIAL (Orange)



DKS Associates
TRANSPORTATION SOLUTIONS

0 500 1,000 2,000 3,000 4,000 Feet



Transportation System Plan

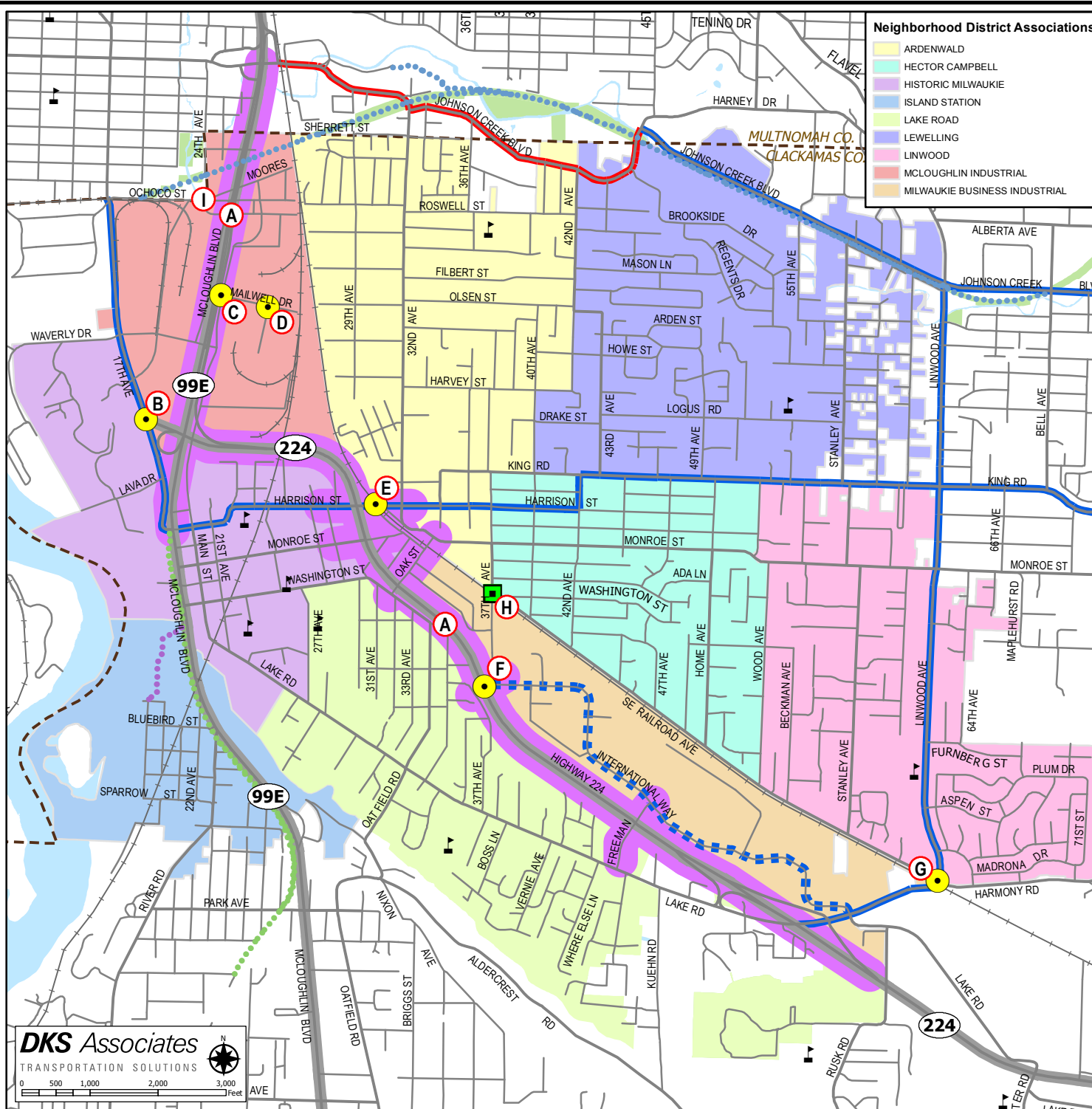
FIGURE A-5

FREIGHT MASTER PLAN

October 2018

Neighborhood District Associations

- ARDENWALD
- HECTOR CAMPBELL
- HISTORIC MILWAUKIE
- ISLAND STATION
- LAKE ROAD
- LEWELLING
- LINWOOD
- McLOUGHLIN INDUSTRIAL
- MILWAUKIE BUSINESS INDUSTRIAL



LEGEND

- | | |
|---|---|
| Existing Freight Routes | Proposed Improvements |
| <ul style="list-style-type: none"> Major Regional Minor Preferred (Local) Weight Restricted Minor Preferred (Local) | <ul style="list-style-type: none"> Intersection Improvement Intersection Material Upgrade Corridor Refinement Plan Minor Preferred Freight Route (Local)* |
| <ul style="list-style-type: none"> Major Roads Streets Railroad Springwater Trail Kellogg Creek Trail Trolley Trail | <ul style="list-style-type: none"> County Line Parks Water |

PROPOSED PROJECTS

Improve Corridor

- A** Conduct Refinement Plan for HWY 99E/HWY 224 focused on motor vehicle and freight mobility.
 - HWY 99E Project Limits: Tacoma St to 17th Ave
 - HWY 224 Project Limits: HWY 99E to Lake Rd Interchange

Improve Intersection

- B** **17th Ave/HWY 224**
Upgrade intersection turning radii to better accommodate freight movements
- C** **Main St/Mailwell Dr**
Upgrade intersection turning radii to better accommodate freight movements
- D** **Mailwell Dr/Omark Dr**
Upgrade intersection turning radii to better accommodate freight movements
- E** **Harrison St/Union Pacific Railroad Crossing**
Upgrade crossing to grade separated facility (outcome of crossing dependant upon HWY 99E/HWY 224 Refinement Plan findings)
- F** **HWY 224/37th Ave**
Consolidate two northern legs of 37th Ave and Industrial Way into one leg at HWY 224.
- G** **Linwood/Harmony/Lake Road Intersection Improvements**
Add northbound right turn lane and eastbound right turn lane AND/OR grade separate Harmony Road from Union Pacific Railroad and align as a through east-west movement
- H** **Railroad Crossing Improvements at 37th Ave**
Improve road transition to railroad crossing
- I** **Signage and Intersection Improvements at McLoughlin Boulevard and Ochocho St.**
Establish signage for trucks and improve intersection