

TRANSPORTATION PLANNING & TRAFFIC ANALYSIS SERVICES

Coeur d'Alene Health Corridor District

August 2021



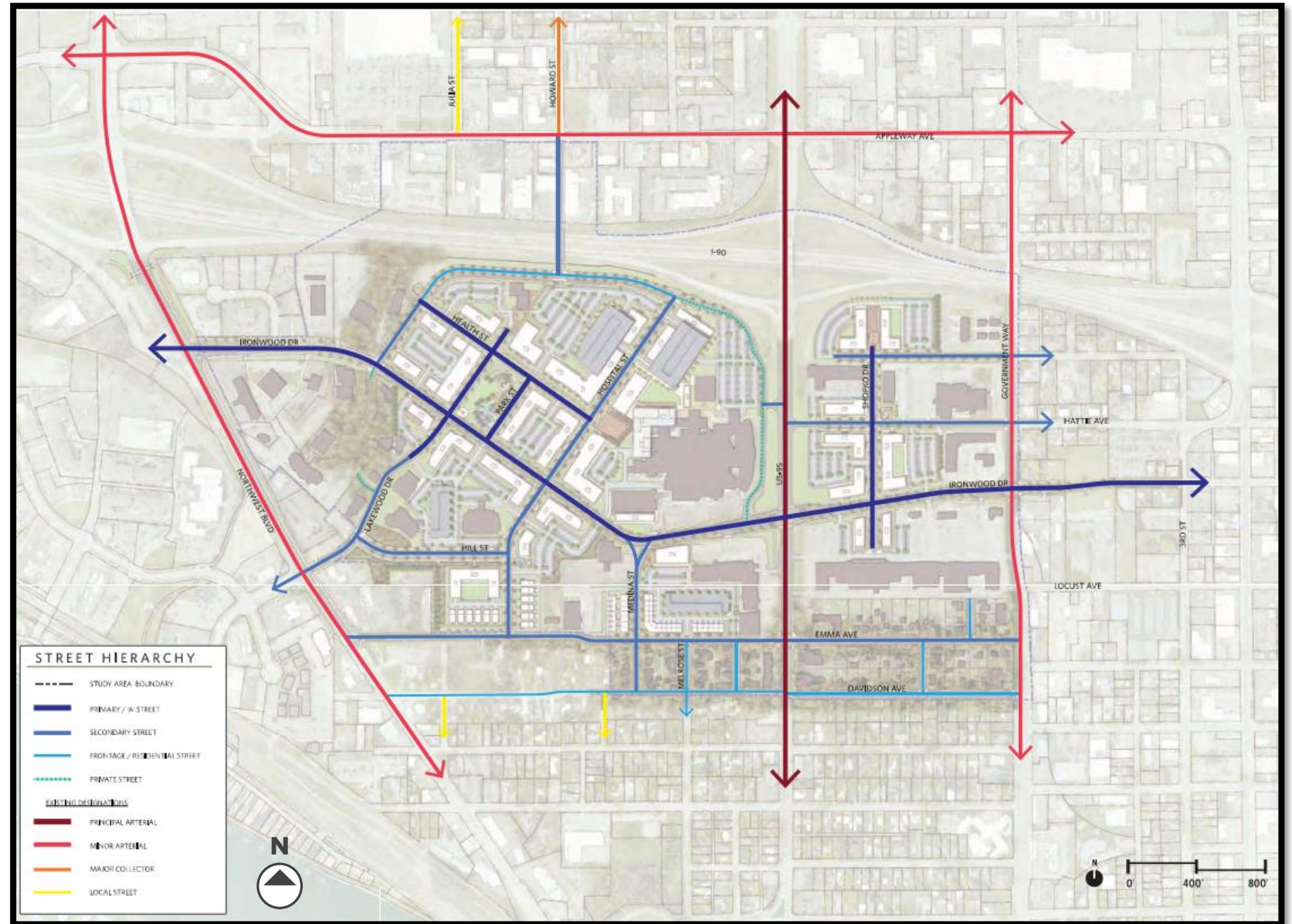
PROJECT BACKGROUND

- Health Corridor Master Plan completed September 2019
- Master Plan adopted by City Council November 2019
- Master Plan included mobility improvements and identified the need for further refinement of the transportation system needs to support the plan
- A Health Corridor urban renewal district was also established

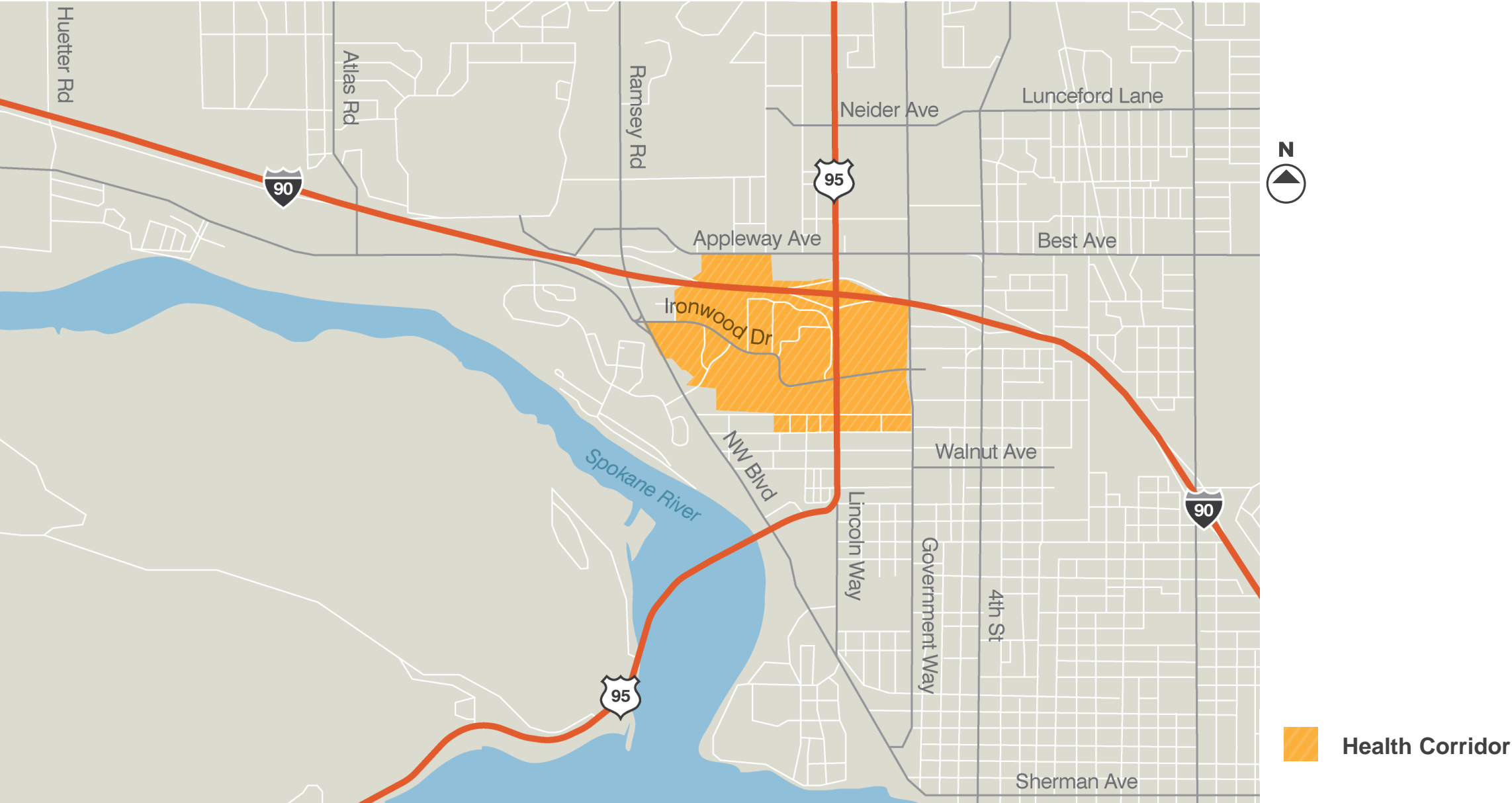


PROJECT PURPOSE

- Review existing transportation needs
- Determine future transportation needs to accommodate the development proposed in the Master Plan
- Develop an implementation plan for the future transportation needs



PROJECT STUDY AREA



PROJECT SCOPE – TASKS COMPLETED

Project Tasks

Traffic Data Suitability/Calibration

Existing Conditions/Short-Term Solutions

Future Conditions/Alternatives

- *Scenario 1: No Build*
- *Scenario 2: Master Plan Build*
- *Scenario 3: Build Alternative*

Infrastructure Implementation Plan

Summary Report

KEY POINTS:



COVID-19 pandemic impacted traffic volumes and typical commute patterns



Alternative data sources supplemented with pre-pandemic counts gave important insights into travel demand surrounding the Health Corridor.



Short-term solutions included signal timing updates and access management along key corridors

SHORT-TERM SOLUTIONS



TRAVEL PATTERN REVIEW

AM (PM) Trip Distribution

AM (PM) Trip Origin/Destination



PROJECT SCOPE – TASKS COMPLETED

Project Tasks

Traffic Data Suitability/Calibration

Existing Conditions/Short-Term Solutions

Future Conditions/Alternatives

- *Scenario 1: No Build*
- *Scenario 2: Master Plan Build*
- *Scenario 3: Build Alternative*

Infrastructure Implementation Plan

Summary Report

KEY POINTS:



Additional capacity improvements will be needed in the next 20 years.



Health Corridor Master Plan improvements addressed the immediate vicinity of the Health Corridor but did not address the congestion created by background growth.



The Julia Street overpass, frontage roads (Northwest Blvd to Julia St), and Northwest Blvd interchange significantly reduce congestion within the Health Corridor.

SCENARIO 1: NO BUILD



SCENARIO 2: MASTER PLAN BUILD



SCENARIO 3: RECOMMENDED BUILD

The map illustrates the following transportation improvements and features:

- Northwest Blvd Interchange Improvement:** Located near the intersection of Northwest Blvd and Seltice Way.
- Frontage Roads:** Proposed along the northern section of Northwest Blvd.
- Julia St Overpass:** A new overpass structure crossing Northwest Blvd.
- US-95 Median:** A new median section on US-95 near Emma Ave.
- Local Access Rd – South Block:** A new local access road located south of the US-95 median.
- Northwest Blvd Median:** A new median section on Northwest Blvd near the Spokane River.

Other labeled roads include Atlas Rd, Seltice Way, Ramsey Rd, Marie Ave, Appleway Ave, Ironwood Dr, Lakewood Dr, Riverstone Dr, Emma Ave, and Lacrosse Ave. The Spokane River is shown on the left side of the map. A north arrow is located in the bottom right corner.

Northwest Blvd Interchange Improvement

Frontage Roads

Appleway Ave

Julia

Julia St Overpass

US-95 Median

Northwest Blvd Median



Local Access Rd –
South Block

Emma Ave

Lacrosse Ave



FUTURE SCENARIO COMPARISON

Scenario 1: No Build	Scenario 2: Master Plan Build	Scenario 3: Recommended Build
<ul style="list-style-type: none">▪ Existing development trend▪ Current transportation project plan only<ul style="list-style-type: none">- I-90/US-95 Interchange Upgrade- US-95 Widening (7-lane)- Huetter Corridor- Lacrosse Connector▪ Nine intersection failures	<ul style="list-style-type: none">▪ Additional development per Master Plan▪ New transportation projects<ul style="list-style-type: none">- Howard St Overpass- Ironwood Dr access management- Parallel east-west local access roads north and south of Ironwood Dr- Ironwood Dr – Annie Ave Connection▪ Three intersection failures	<ul style="list-style-type: none">▪ Additional development per Master Plan▪ New transportation projects<ul style="list-style-type: none">- Julia Overpass with extensions- Ironwood Dr access management- Parallel east-west local access road south of Ironwood Dr- Northwest Blvd interchange upgrade- Frontage roads from Julia to Northwest Blvd interchange▪ One intersection failure

PROJECT SCOPE – TASKS UNDERWAY

Project Tasks

Traffic Data Suitability/Calibration

Existing Conditions/Short-Term Solutions

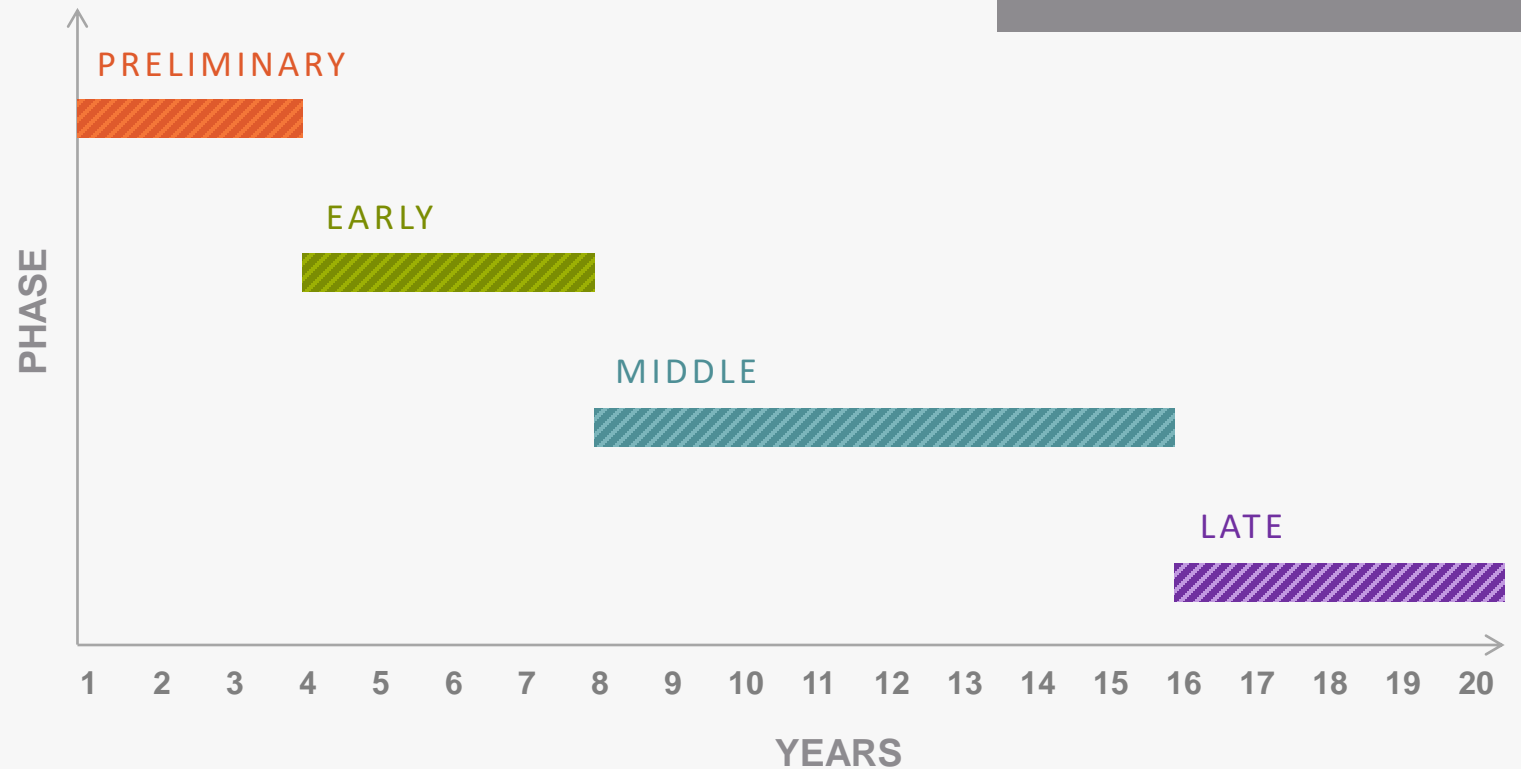
Future Conditions/Alternatives

- *Scenario 1: No Build*
- *Scenario 2: Master Plan Build*
- *Scenario 3: Build Alternative*

Infrastructure Implementation Plan ►

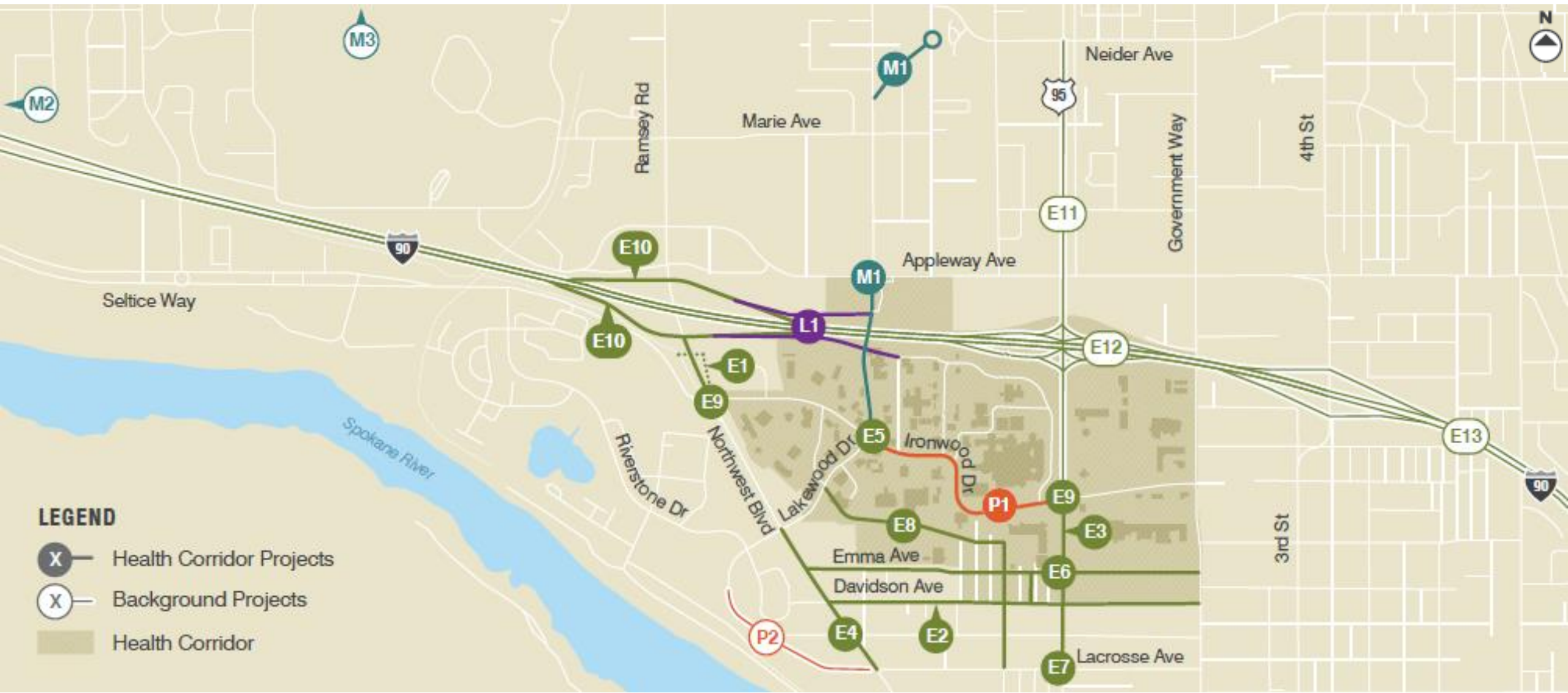
Summary Report

PRIORITIZE IMPROVEMENTS BY PHASE:



IMPLEMENTATION PLAN
*Prioritization aligned with
Master Plan phases*

IMPLEMENTATION PLAN (DRAFT)



PRELIMINARY PROJECT COST ESTIMATES

ID	Project Description	PE/CE	R/W	Const.	Total
P1	Ironwood Dr Access Consolidation	**In conjunction with redevelopment			
E1	Centennial Trail Access Undercrossing*	-	-	-	\$1,750,000
E2	Neighborhood Pedestrian Improvements*	-	-	-	\$700,000
E3	US-95 Median	\$130,000	-	\$430,000	\$560,000
E4	Northwest Blvd Median	\$120,000	-	\$400,000	\$520,000
E5	Ironwood Dr/Lakewood Dr Traffic Signal	\$105,000	\$5,000	\$450,000	\$560,000
E6	Emma Ave Signal Removal	**Included as part of E3			
E7	US-95/Lacrosse Ave Traffic Signal	\$105,000	\$5,000	\$450,000	\$560,000
E8	Health Corridor Southern Local Access Rd*	-	-	-	\$3,100,000
E9	Ironwood Dr Capacity Improvements	**Included as part of E10 and E12			
E10	Northwest Blvd Interchange Capacity Imp.	\$2,000,000	-	\$6,900,000	\$8,900,000
E11	US-95 Widening (Ironwood Dr to Neider Ave)	**Included as part of E12			

* Source: Health Corridor Master Plan

Cost data in current year dollars

PRELIMINARY PROJECT COST ESTIMATES - CONTINUED

ID	Project Description	PE/CE	R/W	Const.	Total
E12	US-95 Interchange Upgrade	\$16,600,000	\$500,000	\$69,500,000	\$86,600,000
M1	Julia St Overpass (Ironwood Dr to Neider Ave)	\$3,250,000	\$2,800,000	\$10,850,000	\$16,900,000
L1	Frontage Roads	\$1,150,000	\$1,100,000	\$3,750,000	\$6,000,000

Cost data in current year dollars

QUESTIONS