

# CHAPTER 1 – INTRODUCTION

## 1.1 Introduction

The purpose of this technical report is to present the results of the preliminary engineering for the alternatives being considered for this project. The report includes the design criteria utilized in the preliminary design, engineering considerations used in the design process, and a comparison of the alternatives.

The Build Alternatives evaluated in this technical report are listed below. Descriptions of the No Build and Build Alternatives are provided in Chapter 4 of the DEIS.

### **VT 2A Alternatives (Improvements to Existing Roadway)**

- Alternative 2: Four-lane VT 2A with signalized intersection improvements
- Alternative 3: Four-lane VT 2A with roundabouts
- Alternative 22: Tapered widening on VT 2A with signalized and roundabout intersections

### **Circ A/B Alternatives (New Roadway)**

- Alternative 16a: Circ A/B limited access highway with VT 2A spot improvements. No connection to US 2 and trumpet interchange at Redmond Road.
- Alternative 16b: Circ A/B limited access highway with VT 2A spot improvements. Partial cloverleaf interchange at US 2 and trumpet interchange at Redmond Road.
- Alternative 16c: Circ A/B limited access highway with VT 2A spot improvements. No connection to US 2 and diamond interchange at Mountain View Road.
- Alternative 17: Circ A/B boulevard with VT 2A spot improvements.

### **Hybrid Alternatives (VT 2A Improvements plus Circ Street)**

- Alternative 18: Four-lane VT 2A with signalized intersection improvements plus Circ Street.
- Alternative 19: Four-lane VT 2A with roundabouts plus Circ Street.
- Alternative 23: Tapered widening on VT 2A with signalized and roundabout intersections plus Circ Street.

Figures referenced in this report are located in Volume II.