

North Stewart Street Extension

Carson City, NV



Client

Carson City Regional Transportation Commission

Scope of Services

Existing Right-of-Way Determination
Conceptual Design Alternative Analysis
Topographic Mapping (0.5' CI) & Detailed Field Pickups
Geometric Intersection Design & Signing/Striping Plan Preparation
Creation of Off-Street Parking areas
Water, Storm & Sanitary Sewer Design
Utility Relocation Coordination (Gas, Electric, Telephone & Cable TV)
Traffic Signal Design & Intertie Layout
Private Property Impact Mitigation Improvements
Right-of-Way & Easement Acquisition Document Preparation
Detailed Construction "Special Provision" & Cost Estimate Preparation
Selection of Multi-Color Improvement Drawings to simplify improvement details
"Streetscape" Improvements & Supporting Infrastructure
Presentation of Project & Alternatives to RTC Board & Public

Project Duration

2005-2008

Project Cost

\$7.0 million

This 2400-foot long Urban Collector Street project will provide a new north-south connection from the Stewart/William Street (U.S.50) intersection to a new intersection at Dan/Roop Street completed in September, 2005 in conjunction with Phase 1 of Roop Street. This project is unique for Carson City RTC in that the new Stewart Street route will utilize a combination of existing local street alignments and will also traverse through a section of developed residential neighborhood. This latter 1000-foot long "realignment" segment incorporates reverse horizontal curves separated by a short tangent and will require full acquisition of ten (10) individual residential/business parcels and portions of several other parcels. This project is being designed by Manhard Team Members (formerly Capital Engineering) and is currently in the right-of-way acquisition phase.

On either end of the "realignment" segment, the portion of North Stewart Street that follows existing street alignments (Stewart Street on the south and Moody Street to the north) will involve complete reconstruction and widening of the existing roadway section to provide for the proposed 40-foot wide three (3) lane roadway section. This widening requires careful attention to detail to minimize and mitigate impacts to existing residences, some with very short driveways just outside of the existing 66-foot wide right-of-way. In addition to the roadway widening and new construction, the project also involves construction of new storm drain system, replacement sanitary sewer and water mains together with service reconnections to existing residences. Also included is modification to the existing traffic signal at U.S. 50, completion of the traffic signal at Roop Street for which underground infrastructure was completed in conjunction with the Roop Street Phase 1 project, and construction of underground facilities for a possible future signal at Long Street. Underground conduits and

structures supporting the City owned street light system and signal intertie are also included with this project.