



LSC Transportation Consultants, Inc.

Experience and References

DOVE VALLEY BUSINESS PARK

Project/Location

Dove Valley Business Park
Arapahoe County, CO

Client

SEM Architects, Inc.
677 South Colorado Boulevard, Suite 200
Denver, Colorado 80246

Project Manager

Dave R. Ruble Jr., P.E.

Date

March 2000 to October 2002

Reference

Mr. Gary Ellerman
(303) 220-8900

Description

The 805-acre Dove Valley Business Park is located in Arapahoe County. It is generally bounded by Jordan Road on the east, Centennial Airport on the west and south, and Broncos Parkway on the north. LSC Transportation Consultants was retained by SEM Architects to assist in the development of the roadway necessary to serve the expected development with the Dove Valley Business Park.

Due to the size of the development, LSC used the DRCOG sketch planning model to first determine the level of background traffic on the collector/arterial roadway system without the proposed development. Based on the size of each lot within the Park, an estimate was made of the daily traffic volumes. From these estimates, the number of employees was estimated so that the DRCOG model would generate the expected number of daily trips. The roadway network was developed such that restrictive accesses could be evaluated.

Based on the AM and PM peak-hour traffic volumes from the DRCOG model, the roadway system was sized along with an identification of where auxiliary traffic lanes would be needed.

Arapahoe County permitted the establishment of a trip budget for each planning area. As lots are developed, the expected trip generation for the planning areas are monitored, and as long as the trip budget is not exceeded, a new traffic impact analysis report is not required. This should result in reducing the amount of time it takes Arapahoe County to approval individual projects.