

City of Las Vegas

**RECOMMENDING COMMITTEE MEETING
CITY HALL, 495 S. MAIN STREET
CITY CLERK'S 2ND FLOOR CONFERENCE ROOM
CITY OF LAS VEGAS INTERNET ADDRESS: www.lasvegasnevada.gov
JUNE 19, 2012
9:00 A.M.**

THE RECOMMENDING COMMITTEE WILL RECEIVE PUBLIC INPUT ON EACH ITEM OF LEGISLATION BEING CONSIDERED. THE RECOMMENDING COMMITTEE MAY, THEREAFTER, CONTINUE THE HEARING TO A FUTURE DATE OR FORMULATE A RECOMMENDATION TO THE CITY COUNCIL FOR PASSAGE, REJECTION OR AMENDMENT OF THE PROPOSED BILL. ANY MEMBER OF THE CITY COUNCIL MAY SUBSTITUTE FOR A MEMBER OF THE RECOMMENDING COMMITTEE AT ANY TIME.

ITEMS LISTED ON THE AGENDA MAY BE TAKEN OUT OF ORDER PRESENTED; TWO OR MORE AGENDA ITEMS FOR CONSIDERATION MAY BE COMBINED; AND ANY ITEM ON THE AGENDA MAY BE REMOVED OR RELATED DISCUSSION MAY BE DELAYED AT ANY TIME.

DUPLICATE AUDIO CDS MAY BE AVAILABLE AT A COST OF \$5.00 EACH THROUGH THE CITY CLERK'S OFFICE.

1. CALL TO ORDER
2. ANNOUNCEMENT RE: COMPLIANCE WITH OPEN MEETING LAW
3. Bill No. 2012-23 - For Possible Action - Adopts an updated Transportation & Streets and Highways Element of the Las Vegas 2020 Master Plan. Proposed by: Flinn Fagg, Director of Planning
4. Bill No. 2012-24 - For Possible Action - Repeals the Code chapter pertaining to the Master Plan of Streets and Highways and replaces it with a chapter pertaining to planned streets and highways. (TXT-40405) Proposed by: Flinn Fagg, Director of Planning
5. Bill No. 2012-25 - For Possible Action - Adopts an updated Conservation Element of the Las Vegas 2020 Master Plan. Proposed by: Flinn Fagg, Director of Planning
6. Bill No. 2012-26 - For Possible Action - Extends on a temporary basis the display periods for temporary special event signs. Sponsored by: Councilman Steven D. Ross
7. Bill No. 2012-27 - For Possible Action - Authorizes the reestablishment of certain types of nonconforming uses under specified circumstances. Sponsored by: Councilman Bob Coffin
8. CITIZENS PARTICIPATION: Public comment during this portion of the agenda must be limited to matters within the jurisdiction of the committee. No subject may be acted upon by the committee unless that subject is on the agenda and is scheduled for action. If you wish to be heard, come to the podium and give your name for the record. The amount of discussion on any single subject, as well as the amount of time any single speaker is allowed, may be limited
9. ADJOURNMENT

City of Las Vegas

ALL INTERESTED PERSONS ARE INVITED TO ATTEND: Copies of the above Bills may be obtained through the Office of the City Clerk, Monday through Thursday, 7:00 A.M. to 5:30 P.M.

Facilities are provided throughout City Hall for the convenience of disabled persons. Reasonable efforts will be made to assist and accommodate physically handicapped persons. If you need an accommodation to attend and participate in this meeting, please call the City Clerk's office at 229-6311 and advise of your need at least 48 hours in advance of the meeting. The City's TDD number is 386-9108.

THIS MEETING HAS BEEN PROPERLY NOTICED AND POSTED AT THE FOLLOWING LOCATIONS:

City Hall, 495 South Main Street, 1st Floor
Clark County Government Center, 500 South Grand Central Parkway
Grant Sawyer Building, 555 East Washington Avenue
City of Las Vegas Development Services Center, 333 North Rancho Drive

AGENDA SUMMARY PAGE
RECOMMENDING COMMITTEE MEETING OF: JUNE 19, 2012

DEPARTMENT: CITY CLERK

DIRECTOR: BEVERLY K. BRIDGES

SUBJECT:
CALL TO ORDER



AGENDA SUMMARY PAGE
RECOMMENDING COMMITTEE MEETING OF: JUNE 19, 2012

DEPARTMENT: CITY CLERK

DIRECTOR: BEVERLY K. BRIDGES

SUBJECT:

ANNOUNCEMENT RE: COMPLIANCE WITH OPEN MEETING LAW



AGENDA SUMMARY PAGE
RECOMMENDING COMMITTEE MEETING OF: JUNE 19, 2012

DEPARTMENT: CITY ATTORNEY

DIRECTOR: BRADFORD R. JERBIC

☐ Consent ☒ Discussion

SUBJECT:

Bill No. 2012-23 - For Possible Action - Adopts an updated Transportation & Streets and Highways Element of the Las Vegas 2020 Master Plan. Proposed by: Flinn Fagg, Director of Planning

Fiscal Impact

☒

No Impact

☐

Augmentation Required

☐

Budget Funds Available

Amount:

Funding Source:

Dept./Division:

PURPOSE/BACKGROUND:

In 2009 the City Council adopted the Transportation & Streets and Highways Element of the Las Vegas 2020 Master Plan. This bill will adopt an updated version of that Plan Element.

RECOMMENDATION:

This bill should be submitted to a Recommending Committee for review, hearing and recommendation to the City Council for final action.

BACKUP DOCUMENTATION:

1. Bill No. 2012-23
2. Transportation & Streets and Highways Element

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28

BILL NO. 2012-23

ORDINANCE NO. _____

AN ORDINANCE TO ADOPT AN UPDATED TRANSPORTATION & STREETS AND HIGHWAYS ELEMENT OF THE LAS VEGAS 2020 MASTER PLAN, AND TO PROVIDE FOR OTHER RELATED MATTERS.

Proposed by: Flinn Fagg, Director of Planning	Summary: Adopts an updated Transportation & Streets and Highways Element of the Las Vegas 2020 Master Plan.
---	---

THE CITY COUNCIL OF THE CITY OF LAS VEGAS DOES HEREBY ORDAIN
AS FOLLOWS:

SECTION 1: The document entitled “Transportation & Streets and Highways Element of the Las Vegas 2020 Master Plan,” including its maps and appendices, which are attached to this Ordinance, is hereby adopted as a part of the Las Vegas 2020 Master Plan and is incorporated therein by this reference. The document so identified shall function as the Transportation & Streets and Highways Element of the Las Vegas 2020 Master Plan and shall replace and supersede any corresponding element adopted previously.

SECTION 2: If any section, subsection, subdivision, paragraph, sentence, clause or phrase in this ordinance or any part thereof is for any reason held to be unconstitutional or invalid or ineffective by any court of competent jurisdiction, such decision shall not affect the validity or effectiveness of the remaining portions of this ordinance or any part thereof. The City Council of the City of Las Vegas hereby declares that it would have passed each section, subsection, subdivision, paragraph, sentence, clause or phrase thereof irrespective of the fact that any one or more sections, subsections, subdivisions, paragraphs, sentences, clauses or phrases be declared unconstitutional, invalid or ineffective.

...
...
...
...
...

1 SECTION 3: All ordinances or parts of ordinances or sections, subsections, phrases,
2 sentences, clauses or paragraphs contained in the Municipal Code of the City of Las Vegas, Nevada,
3 1983 Edition, in conflict herewith are hereby repealed.

4 PASSED, ADOPTED and APPROVED this ____ day of _____, 2012.

5 APPROVED:

6
7 By _____
8 OSCAR B. GOODMAN, Mayor

9 ATTEST:

10 _____
11 BEVERLY K. BRIDGES, MMC
12 City Clerk

13 APPROVED AS TO FORM:

14 Val Steed 5-22-12
15 Date

1 The above and foregoing ordinance was first proposed and read by title to the City Council on the
2 ____ day of _____, 2012, and referred to a committee for recommendation, the
3 committee being composed of the following members _____
4 _____; thereafter the said committee reported favorably on said ordinance on the
5 ____ day of _____, 2012, which was a _____ meeting of said
6 Council; that at said _____ meeting, the proposed ordinance was read by title
7 to the City Council as first introduced and adopted by the following vote:

8 VOTING "AYE": _____
9 VOTING "NAY": _____
10 ABSENT: _____

11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28

APPROVED:

By _____
OSCAR B. GOODMAN, Mayor

ATTEST:

BEVERLY K. BRIDGES, MMC
City Clerk



TRANSPORTATION & STREETS AND HIGHWAYS ELEMENT



executive summary

introduction

background

funding for transportation
projects

existing conditions

analysis

implementation

conclusion

appendices



Adopted by
City Council 04-15-09

Revised on 02-16-11

The City of Las Vegas
Transportation & Streets and Highways Element
of the Las Vegas 2020 Master Plan
was adopted by City Council
on April 15, 2009
(Ordinance #6038)
and revised February 16, 2011
(GPA-40404).



CITY OF LAS VEGAS

TRANSPORTATION & STREETS AND HIGHWAYS ELEMENT

TABLE OF CONTENTS

EXECUTIVE SUMMARY	I
INTRODUCTION	5
PURPOSE	5
ENABLING LEGISLATION	6
PLANNING CONTEXT	7
RELATIONSHIP TO THE LAS VEGAS 2020 MASTER PLAN	8
GOALS, OBJECTIVES AND POLICIES	8
Neighborhood Revitalization	8
Newly Developing Areas	9
Regional Coordination	9
BACKGROUND	11
HISTORY OF TRANSPORTATION AND STREETS AND HIGHWAYS IN LAS VEGAS	11
CURRENT TRANSPORTATION PLANNING DOCUMENTS	12
Circulation Plan, 1992	13
Municipal Code	16
Regional Transportation Plan, 2009-2030	16
Transportation Improvement Program FY 2009-2012	18
Unified Planning Work Program FY 2008-2009	23
FUNDING FOR TRANSPORTATION PROJECTS	25
HIGHWAY TRUST FUND	25
FTA	25
CMAQ	25
STP	25
STATE GAS TAX	26
RTC (CLARK COUNTY) GAS TAX	26
QUESTION 10	26
ASSEMBLY BILL 595	28
EXISTING CONDITIONS	29
TRANSPORTATION	29
Location Of Rights-of-Way (Master Plan of Streets and Highways)	29
TERMINALS	30
Downtown Transportation Center	30
Greyhound Bus Terminal	30
VIADUCTS	30

GRADE SEPARATIONS.....	30
AVIATION	31
Airport Overlay District.....	33
STREETS AND HIGHWAYS.....	33
Functional Classification.....	33
STREET WIDTHS AND CROSS-SECTIONS	36
Rights-of-Way	36
Standard Roadway Cross-Sections.....	38
Freeways	44
High Occupancy Vehicle Lanes (HOV)	44
Bicycle Transportation	44
STREET TREATMENT (CURRENT LANDSCAPE BUFFERING).....	46
BUILDING SETBACKS.....	50
STREET NAMING AND NUMBERING	51
Street Naming.....	51
Address Numbering.....	52
Multi-Family Residential Addressing.....	52
Non-Residential Addressing.....	52
Street and Address Changes.....	53
TRAFFIC MEASUREMENT AND MANAGEMENT	53
Annual Average Daily Traffic (AADT).....	53
Vehicle Miles Traveled (VMT) and Capacity	54
Intelligent Transportation Systems (ITS).....	57
EXISTING MASS TRANSIT AND FREIGHT MOVEMENT	59
Fixed-Route Transit.....	59
Rail Transport.....	59
ANALYSIS.....	61
LINK BETWEEN TRANSPORTATION AND LAND USE	61
TRANSPORTATION PLANNING AND EMPLOYMENT	64
A MULTI-MODAL APPROACH TO TRANSPORTATION PLANNING	67
AIR QUALITY.....	68
STREETSCAPING	71
IMPLEMENTATION.....	73
CONCLUSION	79
LIST OF ABBREVIATIONS.....	105
APPENDICES	107

TABLES, FIGURES AND MAPS

TABLES

Table 1:	Regional Transportation Plan Compliance with Federal Requirements	17
Table 2:	Regionally Significant, Non-Locally Funded Projects in 2009-2012 TIP, City of Las Vegas	20
Table 3:	Transit Projects in 2009-2012 TIP in or Affecting the City of Las Vegas	22
Table 4:	City of Las Vegas Question 10 Project Funding Summary Report.....	27
Table 5:	Functional Classification	34
Table 6:	Current Perimeter Landscape Buffer Widths	46
Table 7:	Current Minimum Size, Amount and Spacing of Perimeter Landscape Materials	47
Table 8:	Single Family Residential District Setback Standards	50
Table 9:	Residential District Standards Other Than Single Family	50
Table 10:	Commercial and Industrial Setback Standards	50

FIGURES

Figure 1A:	Primary Thoroughfares, with Detached Sidewalk (114' Width)	39
Figure 1B:	Primary Thoroughfares, without Detached Sidewalk (100' Width)	40
Figure 1C:	Secondary Thoroughfares, with Detached Sidewalk (90' Width).....	41
Figure 1D:	Secondary Thoroughfares, without Detached Sidewalk (80' Width).....	41
Figure 1E:	Secondary Thoroughfares, without Detached Sidewalk (60' Width).....	42
Figure 1F:	Local Streets.....	43
Figure 1G:	Private Streets.....	43
Figure 2:	Arterial Streetscape (Adjacent Commercial Use Shown)	48
Figure 3:	Commercial/Industrial Streetscape	48
Figure 4:	Residential Multi-Family Streetscape	49
Figure 5:	Residential Single Family Streetscape (Collector or Larger)	49

MAPS

Map 1:	Bureau of Land Management Disposal Boundary	81
Map 2A:	Master Plan of Streets and Highways, Southeast Sector	83
Map 2B:	Master Plan of Streets and Highways, Southwest Sector	85
Map 2C:	Master Plan of Streets and Highways, Centennial Hills Sector	87
Map 3:	Lane Miles by Functional Class.....	89
Map 4:	Terminals within the City of Las Vegas.....	91
Map 5:	Grade Separation	93



MAPS, CONTINUED

Map 6:	Freeways in the City of Las Vegas	95
Map 7A:	Traffic Counts and Signals, Southeast Sector	97
Map 7B:	Traffic Counts and Signals, Southwest Sector	99
Map 7C:	Traffic Counts and Signals, Centennial Hills Sector	101
Map 8:	Sheep Mountain Parkway Preliminary Alignment Alternatives	103



EXECUTIVE SUMMARY

The Transportation and Streets and Highways Element provides a comprehensive analysis of the transportation infrastructure system within the city, and acts as a guide for decision makers to use when determining, prioritizing, and allocating resources for future projects.

The recommendations below are part of the strategy to meet present and future transportation, streets and highways needs of the city's residents, workers and visitors.

RECOMMENDATION 1: Improve consistency between transportation and land use decisions in order to reduce the number of vehicle trips and vehicle miles traveled.

New development affects transportation patterns; likewise, the circulation system is planned to facilitate new development. Roadway improvements also have an effect on existing development. An ideal level of consistency between land use and circulation is manifested in the achievement of the efficient movement of persons within areas where they live and work. Large commercial development projects make nearby residents uneasy because of the amount of traffic they produce in their area. A balance must be struck between planning for future traffic volumes while advocating the reduction of vehicles on the roads.

ACTIONS:

- Prepare a prioritized plan to construct full street improvements where sawtooth patterns exist and identify funding sources to implement this plan.
- Amend Title 19 to create standards that support the Neighborhood Traffic Management Program. Improvements could include speed bumps, dips, and street narrowing, all designed to ensure the safety and livability of local residential streets.
- Amend Title 19 to require traffic impact analyses as part of Site Development Plan Review application requirements for new construction activities generating more than 100 peak hour vehicle trips.
- Coordinate with FAST (Freeway and Arterial System of Transportation) the efficient movement of vehicle traffic through implementation of Intelligent Transportation Systems.
- Amend the land use plan to incorporate high-density residential developments along major arterial roads having transit.
- Create incentives for developers to locate high-density residential developments along major arterial roads having transit.
- Create incentives for developers to create walkable, transit-oriented mixed-use developments with complete streets that are sensitive to multiple modes of transportation and emphasize safety for non-motorized travel.
- Create incentives for investment in the transformation of existing decaying commercial-oriented suburban arterials into walkable, mixed-use, multi-modal corridors with station nodes.

RECOMMENDATION 2: Comply with existing transportation-related legislation and actively support proposed State and/or Federal legislation which generates funding, with growth potential for transportation infrastructure.

Federal SAFETEA-LU legislation mandates the maintenance of a continuing, cooperative and comprehensive transportation planning process on a regional scale. Through Clark County's metropolitan planning organization the city contributes statistical information and recommendations for implementation in addition to the list of projects proposed for inclusion in the periodic Regional Transportation Plan. The Nevada Revised Statutes contain specific transportation-related planning requirements, such as Chapter 408, that require local compliance. It is also important to proactively suggest ways in which circulation and air quality can be improved, whether through legislation or educational campaigns.

ACTIONS:

- Conduct a staff-level (Planning & Development and Public Works Departments) compliance review of all federal, state and local legal transportation-related requirements.
- Actively participate in crafting legislation that will address transportation issues affecting the city of Las Vegas by closely monitoring state assembly sessions in Carson City.
- Continue to support Question 10 taxes as sources of funding for transportation-related projects in the city through implementation of an educational program that informs the constituency of how Question 10 dollars are being spent.

RECOMMENDATION 3: Coordinate local actions with regional agencies, and undertake active efforts for transportation improvements.

Transportation issues do not stop at municipal boundaries. The issues raised by transportation in one jurisdiction can affect the quality of life in another. To maintain continuity between points within the greater Las Vegas area, regional entities must hold to similar policies and agree on actions to be taken that will mitigate these issues. To this end, the RTC and SNRPC serve this function.

ACTIONS:

- Continue to ensure interdepartmental and interagency coordination of various city planning efforts related to growth, infrastructure, and service provision.
- Continue to support the efforts of the RTC (Regional Transportation Commission of Southern Nevada) and SNRPC (Southern Nevada Regional Planning Coalition) to plan for transportation projects that affect other communities and rural areas outside the city limits.
- Continue to support and participate in regional transportation planning through working groups and committee membership.



RECOMMENDATION 4: Pursue sources that will fund the construction and maintenance of needed improvements to the city's street system.

The city's capital improvements program contains funding based on a five-year horizon, updated annually. Projects approved through the CIP process represent the approved priority list for spending capital funds. The CIP provides a link between necessary transportation improvements and the city's budget. The city must seek sources external to the General Fund to keep up with projected growth and maintain current infrastructure.

ACTIONS:

- Work to secure federal, state and local funding for all feasible capital projects and incorporate into the CIP.
- Coordinate with RTC for funding sources and/or funding allocation for proposed infrastructure needs.

RECOMMENDATION 5: Implement streetscape enhancements by coordinating with the Department of Public Works to improve the visual appearance of city streets.

Streetscaping can have a significant effect on how people perceive and interact within their community. If streetscapes appear safe and inviting for pedestrians, people are more likely to walk. This can help reduce automobile traffic, improve public health, and attract visitors to Las Vegas.

ACTIONS:

- Adopt more specific street tree requirements, such as type and placement, to supplement those in LVMC Title 19.
- Monitor and replace street trees lost due to disease or vandalism.
- Require amenities such as benches, trash receptacles, decorative street lighting, and decorative pavement alternatives along all public streets.
- Continue to install underground utilities consistent with City guidelines and regulations.
- Amend Title 19 to require streetscape widths to coincide with street classifications.
- Ensure landscape areas conform to best management practices for storm water runoff.
- Provide additional safety features in the right-of-way for pedestrians such as curb extensions and center refuge islands where applicable.
- Require utility boxes and other visual impediments to be located underground or outside of the landscape buffer zone.
- Consider whenever feasible the conversion of four-lane streets to two-lane streets to allow for additional streetscaping and alternative modes of transportation.
- Determine the feasibility of reducing street widths to reduce the amount of impervious surface and allow for a buffer between the sidewalk and roadway.
- Amend the Las Vegas Municipal Code to require landscape maintenance associations/agreements where landscaping is within the public right-of-way.

RECOMMENDATION 6: Coordinate with regional entities to fund and implement programs that aim to improve air quality in the Las Vegas Valley.

Las Vegas has made significant strides in improving air quality, but there is still more to accomplish. The region is experiencing tremendous population growth, leading to increased construction, a greater volume of automobile traffic, and heightened power demands. Such growth will negatively affect the air in and around Las Vegas. Las Vegas must achieve and maintain “attainment status” for carbon monoxide, particulate matter and ozone for the general health, safety, and welfare of its citizens.

ACTIONS:

- Create a trip reduction plan to develop, implement, and report annually on plans to reduce single occupant vehicle ridership for city employees.
- Maintain compliance with Clean Air Act standards and keep levels of mobile and stationary pollution below federal limits.
- Support RTC Ride Share, Park-and-Ride and other travel demand management programs that aim to reduce the volume of single-occupancy vehicles on city roadways.
- Continue to augment the city’s fleet of non-gasoline powered vehicles for use in municipal-related activities.
- Continue to seek funding from CMAQ for transportation projects in the city that reduce emissions.

INTRODUCTION

An efficient and effective transportation system is a fundamental need of the city of Las Vegas and its residents, businesses and visitors. The Transportation and Streets and Highways Element is more than a description of a transportation system. It is a plan that addresses infrastructure needs to facilitate the mobility of people, goods and services. The location and design of roadways, as well as modal choices (automobile, bus, bicycle, walking), have significant consequences on land use patterns, air quality, plant and animal habitats, and community appearance. Streets and highways not only move people and goods, but also affect the community's economic and social environments. Ever-increasing congestion on streets and highways increases commuting time, driver frustration, business inefficiency, and pressure on neighborhoods. The Transportation and Streets and Highways Element addresses how roadway, transit, rail, freight, bicycle, and trail systems can be planned to achieve modal choice and maximum mobility in a manner consistent with community character and environmental protection.



View of the city looking east towards the downtown area.

PURPOSE

The purpose of the Transportation and Streets and Highways Element is twofold. First, this document is intended to address the requirements of state law, as set forth in the Nevada Revised Statutes (NRS) Sections 278.150 through 278.160; and second, to recommend strategies and actions to facilitate implementation of the goals, objectives, and policies contained in the Las Vegas 2020 Master Plan ("Master Plan") related to transportation issues.

The Transportation and Streets and Highways Element must accomplish the following:

- State goals, objectives and policies to guide implementation of transportation planning measures;
- Compile a comprehensive listing and description of the street network, grade separations, and terminals;
- Describe building line setbacks, the functional classification system, and street addressing and numbering used within the city of Las Vegas;
- Support the city's Sustainability Initiative;
- Analyze short and long term goals and priorities for transportation planning;
- Describe the city's role in facilitating the development of streets and highways;
- Evaluate the effectiveness and potential benefit of land-use tools in transportation planning;

- Identify strategies/actions to enhance the city's role in coordinating transportation planning and implementation with the Regional Transportation Commission of Southern Nevada and other governmental entities.



Median area at intersection of Las Vegas Boulevard and Fourth Street.

ENABLING LEGISLATION

The Nevada Revised Statutes, Sections 278.150 through 278.230, contain legislation enabling the development and adoption of a master plan. Subsection 4 of NRS Section 278.150 states:

In counties whose population is 400,000 or more, the governing body of the city or county shall adopt a master plan for all of the city or county that must address each of the subjects set forth in subsection 1 of NRS 278.160.

Subsection 3 of NRS 278.170 states:

In counties whose population is 400,000 or more, the commission shall prepare and adopt a master plan for all of the city or county that must address each of the subjects set forth in subsection 1 of NRS 278.160.

The subject matter of the master plan is stated in NRS 278.160:

Except as otherwise provided in Subsection 4 of NRS 278.150 and Subsection 3 of NRS 278.170, the master plan, with the accompanying charts, drawings, diagrams, schedules and reports, may include such of the following subject matter or portions thereof as are appropriate to the city, county or region, and as may be made the basis for the physical development thereof:

The Nevada Revised Statutes has required a Transportation Plan and a Streets and Highways Plan as components of master plans since the approval of master plan language by the state legislature in 1941 (Senate Bill 30).

NRS 278.160, Subsections (p) and (r) state that the master plan must include the following elements:

(p) Streets and highways plan. Showing the general locations and widths of a comprehensive system of major traffic thoroughfares and other traffic ways and of streets and the recommended treatment thereof, building line setbacks, and a system of naming or numbering streets and numbering houses, with recommendations concerning proposed changes.

(r) Transportation plan. Showing a comprehensive transportation system, including, without limitation, locations of rights-of-way, terminals, viaducts and grade separations. The plan may also include port, harbor, aviation and related facilities.

A circulation plan was included as part of the city's 1992 General Plan. The circulation plan, however, did not include that which was mandated by the adoption of Assembly Bill 182 on June 5, 2001 during the 71st Session of the Nevada Legislature that requires the inclusion of these two elements within master plans for cities within a county population greater than 400,000.

PLANNING CONTEXT

The Transportation and Streets and Highways element will replace the circulation plan in the 1992 Las Vegas General Plan. After experiencing a 73 percent increase in population during the 1990s¹ and having concerns about the negative impacts associated with rapid growth, the city embarked on a new two-phased master plan project. The Master Plan, adopted by the City Council on September 6, 2000, represents Phase I of the Master Plan project, forming the framework for the contents of Phase II: a series of elements intended to comply with applicable state laws concerning the physical development of the city. The Transportation and Streets and Highways Element is among the elements identified for completion during Phase II of the Master Plan project.



The "Rainbow Curve" section of US 95.

¹ Las Vegas 2020 Master Plan Policy Document (Sept. 6, 2000), p. 5.

RELATIONSHIP TO THE LAS VEGAS 2020 MASTER PLAN



Traffic on Alta Boulevard, west of Rancho Drive.

The Master Plan contains numerous goals, objectives, and policies pertaining directly and indirectly to transportation planning. As a component of the Master Plan, the Transportation and Streets and Highways Element is intended not only to satisfy NRS requirements, but also to provide a comprehensive document that will assist with the long-range planning of the future expansion of and improvements to the public transportation system to meet the needs of the city as it continues to grow. This element provides a baseline of detailed information that will aid in the decision-making processes that determine the city's funding priorities with respect to transportation, streets and highways. The Transportation and Streets and Highways Element links the broad policies of the Master Plan with capital improvement programming, and will assist city decision makers and relevant agencies vested with developing public transportation infrastructure.

GOALS, OBJECTIVES AND POLICIES

The Master Plan consists of a series of goals, objectives and policies and a collection of plans, or elements. The policy document, adopted by the City Council in September 2000, contains a broad policy structure intended to direct the actions of the City regarding land use and development over the period from 2000 to 2020. The individual elements are intended to provide more specific direction, through detailed analysis and recommended actions, as to how the City should react to certain issues.

The Master Plan policies are organized into seven themes developed by the Master Plan Steering Committee. Realization of these policies requires long-term planning commitments integrated with the strategic plan and Capital Improvement Plan. Some of the themes follow geographic boundaries: Reurbanization (Downtown), Neighborhood Revitalization (central city areas), and Newly Developing Areas (Centennial Hills). Others are broad topic areas that apply to the entire city. Each theme contains goals, objectives and policies that provide broad policy context for that area.

The following goals, objectives, and policies from the Las Vegas 2020 Master Plan provide the policy framework and direction for this element:

NEIGHBORHOOD REVITALIZATION

GOAL 2: Mature neighborhoods will be sustained and improved through appropriate and selective high quality redevelopment and preservation.

OBJECTIVE 2.1: To focus residential reinvestment on transitional sites within the central city area at densities that support mass transit usage.

POLICY 2.1.3: That urban hubs at the intersections of primary roads, containing a mix of residential, commercial and office uses, be supported.

NEWLY DEVELOPING AREAS

GOAL 3: Newly developing areas of the city will contain adequate educational facilities, and recreational and open space and be linked to major employment centers by mass transit, including buses, and by trails.

OBJECTIVE 3.1: To ensure that new residential subdivisions, with the exception of areas currently designated as rural preservation neighborhoods by Nevada statute, are developed into walkable communities, where reliance on auto trips for convenience shopping and access to education and recreation is minimized, and where development densities support transit.

POLICY 3.1.1: That residential developers be encouraged to provide traffic calming measures in new residential neighborhoods, and where appropriate, narrower local streets. Standards for narrower local streets shall provide adequate access for emergency vehicles and the disabled. Where possible, sidewalks should be separated from the curb by a landscaped amenity zone within the dedicated right-of-way, with a tree canopy along the sidewalk.

POLICY 3.1.5: That urban hubs at the intersections of primary roads, containing a mix of high density residential, commercial and office uses, and containing pedestrian linkages, be supported.

REGIONAL COORDINATION

GOAL 7: Issues of regional significance, requiring the city of Las Vegas to coordinate with other government entities and agencies within the Valley, will be addressed in a timely fashion.

OBJECTIVE 7.1: To ensure that the natural resources of the city, particularly those that directly support an enhanced quality of life for its residents, are protected.

POLICY 7.1.1: That air quality throughout the city be improved through the reduction of carbon monoxide from automotive emissions and through the reduction of dust particulates.

OBJECTIVE 7.3: To ensure that public safety problems are fully and adequately identified and that long-term solutions are identified and implemented by the respective local government departments and agencies vested with those responsibilities.

POLICY 7.3.5: That the city work with the Clark County Regional Transportation Commission, the Nevada Department of Transportation and local governments in the Las Vegas Valley to ensure that the roadway network is planned and developed to meet the needs of the anticipated population growth in the Valley, and provides for multi-modal transportation opportunities.

POLICY 7.3.6: That the city, in conjunction with the Clark County Regional Transportation Commission and local governments in the Las Vegas Valley, work to achieve a shift towards greater reliance on mass transit for home-to-work trips and to make transit usage a more attractive daily travel alternative. In particular, that the affected parties pursue options for a fixed guideway system where appropriate.





BACKGROUND

HISTORY OF TRANSPORTATION AND STREETS AND HIGHWAYS IN LAS VEGAS

The first streets to be platted in the city of Las Vegas were part of the Las Vegas Original Townsite, owned by John T. McWilliams. Grading for the railroad tracks passing through the area commenced in the summer of 1904, shortly before the plat was filed. The site was located to the west of the existing Union Pacific rail line paralleling present-day Main Street.

Fremont Street, which was included in William A. Clark's competing town site, became the first paved road in the city of Las Vegas in 1925.² It also became the first street with a traffic signal.³ It was the only east-west street on Clark's plat intended for commercial uses, and it provided a route to the train depot on its western end. In 1995, five blocks of Fremont Street were closed to vehicular traffic after the establishment of the Fremont Street Experience, a pedestrian mall covered by a vaulted roof.

The federal government was instrumental in the growth and modernization of Las Vegas. Hoover Dam (then Boulder Dam) began construction in 1931. The railroads were expanded to meet the demand for transportation of persons, goods and services. Federal highways connected other destinations to the city, as people came for employment or entertainment. Federal money funded public works projects such as street paving, bridges and expansion of the city's infrastructure.⁴ With assistance from Congress, funds were secured for the construction of what became Nellis Air Force Base and also of the terminal for the present-day McCarran Airport.

Passenger rail service was the predominant mode of transportation to points outside Las Vegas. Due to the harshness of the desert climate and lack of adequate facilities, road travel through the 1930s was often treacherous.⁵ Passenger rail service severely declined in the 1960s as the automobile became the dominant mode of transportation, and the rails became exclusively freight routes.

From 1926, when it was commissioned, until 1974, US Route 91 was the major highway route linking Las Vegas and Los Angeles. US Route 93 running through the city to Hoover



View of US 95 from the north looking south towards the city.

- ² Joan Burkhart Whitely and A. D. Hopkins, *Young Las Vegas: 1905-1931: Before the Future Found Us* (Las Vegas: Stephens, 2005), p. 196.
- ³ Frank Wright, *Nevada Yesterdays: Short Looks at Las Vegas History* (Las Vegas: Stephens, 2005), p. 30.
- ⁴ *City of Las Vegas, Historic Properties Preservation Plan Element, Las Vegas 2020 Master Plan* (City of Las Vegas: Sept. 5, 2007), p. 17.
- ⁵ See Wright, p. 29 for examples of rough travel in the Las Vegas area.



Charleston Boulevard looking west towards I-15.

Dam was completed by 1936, and US Route 95 entered southern Nevada from the north in the mid 1940s in an eventual path to the Mexican border. Route 91 was decommissioned in 1974 after I-15 was constructed parallel to the route, which had followed Las Vegas Boulevard.⁶ As traffic demand increased within the greater metropolitan area, US 95 was shifted to a newly completed freeway, the Oran K. Gragson Expressway, in 1982. This freeway carried traffic from Henderson north and west to newer neighborhoods within the city of Las Vegas and connected them to what had been called the Tonopah Highway on present-day Rancho Drive. Although not entirely located within the city limits, the first portions of the Bruce Woodbury Beltway began construction in 1993 to encircle the urbanized area. Work continues on the 53-mile stretch that begins in Henderson at the intersection of US 95 signed as I-215 and known as CC 215 west of the freeway's south intersection with I-15. The Beltway proceeds from there through the north-west neighborhoods of Las Vegas to North Las Vegas and its terminus at I-15 near the Las Vegas Motor Speedway. Once the entire length of the Beltway achieves freeway status, which is expected by 2013, it will be signed as I-215.⁷

CURRENT TRANSPORTATION PLANNING DOCUMENTS

The city of Las Vegas' rapid growth in the last two decades has created new challenges in the area of transportation. From July 1, 2000 to July 1, 2008, population in the Las Vegas Valley increased 45 percent, even accounting for slowed growth in 2007 and 2008.⁸ As is common in many areas of the western United States, where density is relatively low and land plentiful, the automobile is the mode of choice for residents of the city. According to recent figures, there are 2.076 vehicles per household in the city, a five percent increase from 2000. Between 2000 and 2007, approximately 22,000 additional vehicles were added to the city's roadways.⁹ There have been recent efforts to reduce dependency on the automobile and increase ridership of mass transit; however, use of alternative modes of transportation has not had a large impact on energy conservation, air quality, or efficiency of travel within the city. Transportation is a regional issue; therefore, the issues concerning transportation are not just limited to the city of Las Vegas or any other single jurisdiction. Many of the issues the city faces are similar to those experienced by Clark County, Boulder City, Henderson, and North Las Vegas.

- ⁶ Eugene P. Moehring and Michael S. Green, *Las Vegas: A Centennial History* (Reno: University of Nevada Press, 2005), p. 74.
- ⁷ Clark County, Nevada Department of Public Works, retrieved from www.accessclarkcounty.com/depts/public_works/pages/beltway.aspx
- ⁸ Clark County, Nevada Comprehensive Planning Department, *Southern Nevada Annual Consensus Population Estimates, 2000-2008*.
- ⁹ U.S. Census Bureau, *2000 Census and July 1, 2007 Population Estimate*.

The circulation system is the basic framework upon which the urban and regional form is shaped. Streets and highways not only move people and goods throughout the region, but also affect the community's social and economic environment. The location and design of roadways have significant consequences on land use patterns, air quality, plant and animal habitats, and community appearance. Therefore, a plan is needed to describe the existing conditions of Las Vegas' circulation system, the issues that have arisen out of these conditions, and the policies to address the issues and direct the future course of transportation planning in the city.

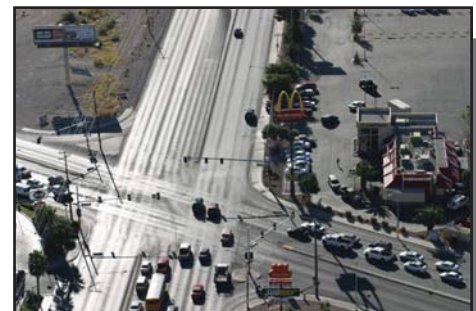
CIRCULATION PLAN, 1992

The Las Vegas 2020 Master Plan currently does not contain a document to address transportation and streets and highways issues and policies. A Circulation Plan was adopted by the City Council as part of the General Plan update on April 1, 1992 for the purpose of providing a general, comprehensive and forward-looking transportation system plan to meet the various needs of residents, visitors, and businesses in the city of Las Vegas. The Circulation Plan combined traffic circulation, mass transit, paratransit, bicycle, pedestrian, equestrian, air, and rail considerations into a single document. Fundamentally, the Circulation Plan described the city's street network and functional classification. It listed the various modes of transportation in the city of Las Vegas and evaluated levels of service for automobile traffic. Most projects and policies were planned to be implemented between 1992 and 1994, or were ongoing. This document has not been updated since its adoption.

The stated goal of the Circulation Plan, in accordance with NRS 278.160, was to "develop a comprehensive circulation system serving local as well as regional needs for existing and future developments." Five issues were identified and addressed within the Plan concerning circulation within the city:

- The need for a balance between the circulation system and the development of land;
- The need for provision of a safe and efficient roadway system that addresses increased congestion;
- The need to provide alternative modes of transportation to the private automobile;
- The need for cooperation between municipal and regional governments and entities; and
- The need to improve air quality.

Taking into account that new development impacts transportation patterns and also that the circulation system is planned to facilitate new development, the 1992 Circulation Plan recommended that the zoning ordinance be amended to require a traffic impact analysis early in the development



Intersection of Cheyenne Avenue at Rancho Drive.

review process for all development projects that generate more than 100 vehicle trips during peak hours. The zoning ordinance was never amended to include this requirement. The Public Works Department regularly places a condition of approval on development applications to require a traffic impact analysis after project approval for developments that generate more than 100 vehicle trips during peak hours. Currently, these studies are usually required prior to the issuance of any building or grading permits, submittal of any construction drawings or the recordation of a map subdividing a site. Compliance with the recommendations of the analysis must occur prior to occupancy of a structure.

It was recognized that roadway planning would need to be sensitive to a wide range of land uses. For example, planning wide arterials within an area of low-density residential land uses could have unintended consequences such as more frequent accidents and the isolation of entire neighborhoods within the boundaries of the arterials. A later circulation study for the Centennial Hills Sector recommended alternatives of a more rural development character.¹⁰ By 1993, amendments were proposed to the subdivision ordinance to allow for more flexibility in street improvement requirements, namely for roads in low traffic areas, to fit the rural character of some areas. According to the Public Works Department, the city has allowed roll curbs on residential streets classified as minor collector (60-foot right-of-way) or local (51-foot right-of-way) since 1984, and since 2001 has allowed the requirements for streetlights to be deferred through City Council approval and a covenant running with the land.

A safe, efficient street network is the product of efficient traffic flow. Problems occur when the free movement of traffic is interrupted, whether due to an accident, street design, sudden changes in speed, or unsynchronized traffic signals. Although the city had implemented a policy prior to the 1992 document to require property owners to improve adjacent rights-of-way in conformance with the goals and objectives of the General Plan, subsequent development continued to contain zigzags where only half of the roadway had been dedicated and improved. To reduce the number of these "sawtooth" alignments, a task force was planned that would investigate whether it would be possible to make roadway improvements earlier in the development process. This task force was never created. However, the Department of Public Works currently requires developers to construct tapers where legally able to safely divert traffic around sawtooth road segments. The problem persists because it is not possible to require adjacent owners who have not improved their properties to pay for half-street offsite improvements. In most cases, the right-of-way that is needed to expand the roadway does not exist and the

¹⁰ *City of Las Vegas Department of Public Works, Northwest Consensus Study (Mar. 3, 2003).*

city does not have any legal mechanism to require developers of adjacent properties to extend pavement beyond their own property lines. Conditions of approval for some newer city developments require developers to construct improvements to mitigate disconnected streets or sawtooths adjacent to their property.

Another program engendered by the Circulation Plan that addressed safety issues was the Neighborhood Traffic Management Program (NTMP). This program, adopted by the City Council in 1995, was intended to reduce cut-through traffic on local streets by using traffic management devices such as speed humps, traffic circles and road closures. The Department of Public Works is responsible for the implementation of this program. In September 2001, an updated manual was added to the NTMP that explains the program and the procedures citizens must follow to request traffic calming measures.¹¹ If calming is needed, City Council approval is required and the devices are constructed as funds become available.¹² According to Department of Public Works records, there have been 538 requests for neighborhood traffic calming devices since the program's implementation. Traffic calming measures were constructed following 122 of the 538 requests.

The 1992 Circulation Plan did not directly discuss grade separations as directed by NRS. However, an upgrade of the "Spaghetti Bowl" (the intersection of Routes I-15 and US 95) was planned, and alternatives were to be discussed regarding the upgrade of the I-15/Charleston Boulevard interchange. The Nevada Department of Transportation (NDOT) and The Regional Planning Commission of Southern Nevada (RTC) collaborated with the city of Las Vegas, the city of Henderson, the city of North Las Vegas and Clark County to plan the Bruce Woodbury Beltway to serve outlying areas of the urban area and to provide a bypass alternative from I-15 to US 95. A major widening of US 95 within the city limits was completed in the first quarter of 2008 and contains HOV (High Occupancy Vehicle) lanes as well as ramp meters to more efficiently manage traffic. Single-point urban interchanges (SPUIs), which allow traffic to proceed through one intersection as it enters or exits the freeway (as opposed to two), were built after this plan was adopted to reduce congestion and to use less right-of-way.

Another objective of the Circulation Plan was to reduce air pollution by improving levels of service on freeways and surface roadways, thereby relieving congestion. Proposed programs centered on travel demand management strategies that included reducing the number of single-occupancy vehicles and promoting alternative modes of transportation. The city of Las Vegas participates in the RTC Club Ride carpooling program. Participation in Club Ride has increased from an

¹¹ *City of Las Vegas, Streets: A Users' Manual (Las Vegas: 2001).*

¹² *City of Las Vegas Department of Public Works, Policy 30.33, Dec. 12, 2002.*

average of 250.16 commutes per month in 2005 to 379.5 commutes per month in 2008 and is up significantly from its lowest point of 174.5 commutes per month in 2006. Per data provided by the RTC, the city of Las Vegas has reduced employees' total automobile vehicle miles traveled (VMT) through the Club Ride program by 162,434 miles since 2005.¹³ The city also has allowed an alternative work schedule program where some employees may be permitted to work a four-day work week, a nine-day, 80-hour work schedule, or some other form of alternate work schedule. Currently, 1,691 of the city's 2,912 employees (58 percent) use an alternate work schedule.

Appendix A evaluates the progress made on the specific goals of the circulation plan outlined above. Many of the short-term objectives were achieved. Please refer to this document for a more detailed analysis.

MUNICIPAL CODE

Minimum design and construction standards for roadways that are part of land divisions created through the subdivision mapping process are contained within the city of Las Vegas Subdivision Ordinance, re-codified and adopted as Title 18 of the Las Vegas Municipal Code on December 15, 1982 and most recently amended November 5, 2008.¹⁴ Title 18 includes standards for streets, both public and private; sidewalks, alleys, driveways, block sizes, street terminations, and the provision of water and sewer infrastructure. Title 18 ensures compliance with NRS Chapter 278, Sections 320 to 4965, pertaining to the subdivision of land; the 2020 Master Plan; and all regulatory documents under the city's jurisdiction. The Planning & Development Department is responsible for administering and enforcing the provisions of Title 18, except where noted within the document.

Subdivision maps may be platted for commercial as well as residential developments. Additionally, right-of-way and public easement abandonment procedures are governed by Title 18, which covers any petition for the city to relinquish its interest in government patent easements, public streets, alleys, or other rights-of-way.

Standards within Title 18 may be waived through a hearing process, except where indicated. The hearing may be public or non-public. An ordinance¹⁵ adopted in 2007 allows the City Traffic Engineer to administratively approve minimum intersection offsets if the safe accommodation of traffic circulation can be demonstrated. A developer may also be granted a deviation from technical design standards of infrastructure improvements not included in Title 18 through an administrative process, if acceptable to the City Traffic Engineer.

REGIONAL TRANSPORTATION PLAN, 2009-2030

The Las Vegas metropolitan area is a collection of incorporated cities and unincorporated areas with interrelated employment, housing, educational, and recreational services. These communities and services are linked to each other by a network of roads and streets that enable vehicular access. Federal transportation legislation requires urbanized areas of over 50,000 persons to establish a Metropolitan Planning Organization (MPO) to implement federal transportation

¹³ *Regional Transportation Commission of Southern Nevada (RTC), July 2008.*

¹⁴ *City of Las Vegas Ord. 6010, Nov. 5, 2008.*

¹⁵ *City of Las Vegas Ord. 5934, Sept. 19, 2007.*



planning policy.¹⁶ One function of the MPO is to develop and regularly update a long-range transportation plan for the area it covers for at least a 20-year period.¹⁷ To this end, the designated MPO for Clark County (the Regional Transportation Commission of Southern Nevada) produces the Regional Transportation Plan (RTP).

The most recent comprehensive plan was adopted November 13, 2008 by the RTC in accordance with the federal requirements. The RTP, which analyzes existing transportation issues, identifies goals for improvement of the roadway system and the measures to implement them, and helps to achieve the MPO's responsibility to maintain a continuing, cooperative and comprehensive ("3-C") transportation planning process. The RTP is the result of a transportation planning process that considers input and recommendations from local governments, their technical staffs and citizens. Another RTP feature lists all projects sponsored by the various entities in the metropolitan area with their expected cost schedules and completion dates. The area covered by the RTP corresponds to the area contained within the current Bureau of Land Management Disposal Boundary, shown in Map 1.

The current RTP, which covers the years 2009 to 2030, by law, must consider projects and planning strategies that will increase the safety and efficiency of the metropolitan transportation system.¹⁸ The following table lists the minimum federal requirements for the metropolitan planning process and the corresponding goals of the Plan:

Table 1: Regional Transportation Plan Compliance with Federal Requirements

Federal Requirements for Metropolitan Planning	RTP Goals
Protect and enhance the environment, promote energy conservation, improve quality of life, and promote consistency between transportation improvements and state and local planned growth and economic patterns.	Implement transportation systems that improve air quality and protect the environment.
Enhance the integration and connectivity of the transportation system for people and freight across all types of modes.	Develop fully integrated modal options.
Support the economic vitality of the metropolitan area, by enabling global competitiveness, productivity and efficiency.	Secure funding for expansion, operation and maintenance of transportation systems and routes. Enhance the efficiency of existing transportation facilities.
Emphasize the preservation of the existing transportation system.	Enhance public awareness and support of the regional transportation system.
Promote efficient transportation system management and operation.	Improve access to mass transportation facilities and services.
Increase the safety and security of the transportation system for motorized and non-motorized users.	Improve safety and security for all travelers.
Increase the accessibility and mobility of people and freight.	Support more efficient freight movement.

Source: Regional Transportation Commission of Southern Nevada, *Regional Transportation Plan 2009-2030*, p. ES-3; Federal Transit Administration, 49 U.S.C. Sec. 5303(h)(1), "Metropolitan Transportation Planning."

¹⁶ Federal Highway Administration (FHWA), 23 USC §134(d); Federal Transit Administration (FTA), 49 USC §5303(d).

¹⁷ FHWA, 23 USC §134(i)(2)(A); FTA, 49 USC §5303(i)(2)(A).

¹⁸ FHWA, 23 USC §134(a); FTA, 49 USC §5303(a).

In addition to meeting these goals, federal law requires that the RTP contain at least the following:

- Identification of transportation facilities
- Mitigation activities
- Financial plan
- Operational and management strategies
- Capital investment and other strategies
- Transportation and transit enhancement activities
- Public participation plan

The 2009-2030 RTP contains multiple sections demonstrating compliance with the policy objectives aligned with the goals of the Plan. The most recent federal transportation funding bill, entitled the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU), enacted in August 2005, requires the topics of safety, security and environmental mitigation to be addressed.

Federal and state funding for all listed projects proposed for the region is \$13.30 billion over the 21 years that the Regional Transportation Plan covers.¹⁹ Federal approval of the RTP is expected in early 2009.

TRANSPORTATION IMPROVEMENT PROGRAM FY 2009-2012

Analysis of the first four years covered by the Regional Transportation Plan is compiled into a separate document called the Transportation Improvement Program (TIP). SAFETEA-LU requires that the TIP be updated at least once every four years;²⁰ however, in Southern Nevada, this plan is updated more frequently, allowing for changes in the functional classification of roadways, changes in expected project completion dates, more recent data and upgraded projections. The legislation requires that reasonable proof of funding be shown for any project included in the document and that projects show compliance with current air quality standards.

SAFETEA-LU mandates a review period that allows the public an opportunity to comment on all projects included in the TIP.²¹ Projects are adopted through advisory committees, which are open to public participation.

According to the 2009 TIP, about \$3.29 billion from all funding sources is scheduled for all regional projects through FY 2012,²² with about \$505.8 million earmarked for significant projects within or affecting the city of Las Vegas, including transit projects.²³ Another \$180 million in local funds had been

¹⁹ RTC, *Regional Transportation Plan, Fiscal Year 2009-2030*, p. ES-13.

²⁰ Federal Highway Administration (FHWA), 23 USC §134(j)(1)(D); FTA, 49 USC §5303(j)(1)(D).

²¹ FTA, 49 USC §5303(j)(5).

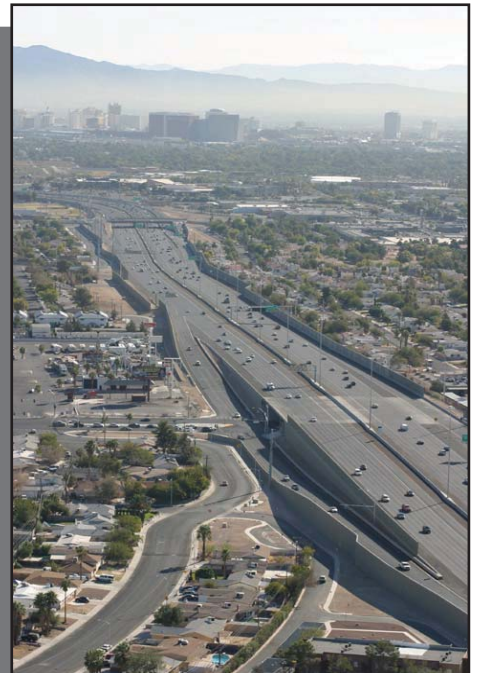
²² RTC, *Transportation Improvement Plan Fiscal Year 2007-2012*, p. 13.

²³ *Ibid.*, pp. T1-23 – T1-43. Also see FHWA, 23 USC §134(j)(3)(B) and FTA, 49 USC §5303(j)(3)(B).



scheduled for non-regionally significant and locally funded projects in the city through Fiscal Year 2010.²⁴ The list of projects ranges from roadway improvements and bridge repairs to dust mitigation and identification of transit needs for all transportation modes. Table 2 summarizes the regionally significant projects in the most recent TIP that are both wholly and partially within the city limits. Table 3, which summarizes transit projects, is a subset of Table 2.

²⁴ RTC, *Transportation Improvement Plan Fiscal Year 2007-2010*, Appendix II, pp. 9-12.



US 95 at Jones Boulevard looking east towards downtown Las Vegas.

Table 2: Regionally Significant, Non-Locally Funded Projects in 2009-2012 TIP, City of Las Vegas

Location	Project	Projected Funding Date	Scheduled Cost (\$ Millions)	Funding Sources
US 95	Acquisition of ROW and widening to 8 lanes, addition of HOV and auxiliary lanes from Washington Ave to Ann Rd	FY 2009-11	156.463	AB 595, SAFETEA-LU High Priority Projects
Horse Drive at US 95	Acquisition of ROW and construction of 6-lane overpass with US 95 interchange	FY 2009-10	42.345	Q10, RTC Gas Tax, SAFETEA-LU High Priority Projects
I-15 to US 95	Preliminary engineering for construction of system-to-system ramps (Project Neon)	FY 2009	15.000	AB 595
Sheep Mountain Pkwy	Preliminary engineering and ROW for interchanges at US 95 and CC215	FY 2009	14.999	RTC Gas Tax
Martin L. King Blvd	Acquisition of ROW and construction of 6-lane overpass and grade separation at Oakey Blvd as part of connector to Industrial Rd. (Project Neon)	FY 2009-11	14.344	AB 595, SAFETEA-LU High Priority Projects
Bonneville Ave and Clark Ave from Casino Center Blvd to Las Vegas Blvd	Preliminary engineering and construction of one-way couplet and landscaping	FY 2009-10	13.114	STP Enhancements, RTC Gas Tax
US 95	Preliminary engineering and construction of landscaping improvements from Martin L. King Blvd west to Rainbow Blvd.	FY 2009	10.000	NDOT Bonded Funds
Sheep Mountain Pkwy	Preliminary engineering and NEPA process for new roadway between CC215 and I-15	FY 2009-10	9.356	Q10, RTC Gas Tax, FY08 Appropriations Act
Rainbow Blvd from Desert Inn Rd to U.S. 95	Construction of intersection improvements at DI, Oakey, Charleston and Alta	FY 2009-10	7.350	CMAQ, Q10
I-15	Construction/widening from the Spaghetti Bowl north to Craig Road	FY 2009	7.000	Public Lands Highways

Location	Project	Projected Funding Date	Scheduled Cost (\$ Millions)	Funding Sources
Kyle Canyon Rd	Preliminary engineering for interchange at US 95	FY 2008-10	6.00	Private Developers, STP Statewide
Rancho Dr	Preliminary engineering for signal interconnects and timing infrastructure from Sahara Ave to Rainbow Blvd	FY 2009	5.480	CMAQ
Rainbow Blvd at Sahara Ave	Acquisition of ROW and construction of intersection improvements	FY 2010-11	5.300	CMAQ, Q10
I-15	Preliminary engineering and acquisition of ROW for widening/HOV lanes from Sahara Ave to the Spaghetti Bowl	FY 2009	5.000	NHS
US 95	Preliminary engineering for widening to 8 lanes from Ann Rd to Kyle Canyon Rd	FY 2012	4.000	AB 595
Summerlin Pkwy	Acquisition of ROW and widening to 8 lanes from CC215 to US95	FY 2009-12	3.560	Q10
Union Pacific RR at Union Park	Preliminary engineering and construction of pedestrian bridge across UPRR to Main Street	FY 2009	3.500	FY04 Appropriations Act, Local Funds
Stewart Ave	Landscaping and roadway rehabilitation from Main St to Maryland Pkwy	FY 2009-10	3.424	RTC Gas Tax, STP Enhancements
Craig Rd	Preliminary engineering and construction of ITS and signal infrastructure improvements from Tenaya Way to Decatur Blvd	FY 2009	0.511	Q10
TOTAL			327.60	

Source: Transportation Improvement Plan Fiscal Year 2009-2012. Regionally significant projects are those roadways classified as principal arterials or higher in the Las Vegas Urbanized Area Roadway Functional Classification System; all federally funded projects; all transit projects; and all bicycle and pedestrian projects.

Table 3: Transit Projects in 2009-2012 TIP in or affecting the City of Las Vegas

Project	Projected Funding Date	Scheduled Cost (\$ Millions)	Funding Sources	Sponsor
BRT fleet expansion	FY2009-10	60.000	RTC Sales Tax	RTC
Bus fleet replacement program	FY2009-12	47.351	FTA, RTC Sales Tax	RTC
Paratransit fleet replacement	FY2009-12	26.775	FTA, RTC Sales Tax	RTC
Central City Intermodal Transportation Terminal	FY2009	6.418	FTA, RTC Sales Tax	RTC
Park and Ride Lots	FY2010-12	6.000	FTA, RTC Sales Tax	RTC
Paratransit fleet expansion	FY2009-12	7.374	FTA, RTC Sales Tax	RTC
RTC Coordinated Public Transit-Human Services Transportation Plan Projects	FY2010-12	4.908	FTA, Local Funds	RTC
Park and Ride Lot – US 95/Durango	FY2009	4.000	FTA, RTC Sales Tax	RTC
Park and Ride Lot – Durango/Westcliff	FY2009	3.978	FTA, RTC Sales Tax	RTC
US 95 Express Transit Service – Durango to Downtown	FY2009-12	2.950	CMAQ	RTC
RTC Coordinated Public Transit-Human Services Transportation Plan Projects	FY2010-12	1.979	FTA, Local Funds	RTC
Regional Paratransit service	FY2009	1.512	FTA, Local Funds	RTC
Regional transit bus stop and shelter program	FY2009-12	1.140	FTA, RTC Sales Tax	RTC
Regional transit security systems	FY2009-12	1.500	FTA, RTC Sales Tax	RTC
Summerlin Transit Center shelters	FY2010	0.600	FTA, RTC Sales Tax	RTC
Upgrade transit shelters – Las Vegas Blvd	FY2009	0.600	FTA, RTC Sales Tax	RTC
Regional express transit system development	FY2012	0.400	CMAQ	RTC
TOTAL		177.48		

Source: Transportation Improvement Plan Fiscal Year 2009-2012. Regionally significant projects are those roadways classified as principal arterials or higher in the Las Vegas Urbanized Area Roadway Functional Classification System; all federally funded projects; all transit projects; and all bicycle and pedestrian projects.

UNIFIED PLANNING WORK PROGRAM FY 2008-2009

The Unified Planning Work Program document is also prepared under the authority of the RTC. It lists projects and studies related to transportation planning and the reduction of transportation-related air pollution by all metropolitan entities undertaking projects within a specific time period. Each task is briefly described, along with objectives, progress to date, and projected completion dates. The budget and source of funding are also listed in the Unified Planning Work Program document.²⁵

²⁵ RTC, *Unified Planning Work Program Fiscal Year 2008-2009*, p. 3-1.



FUNDING FOR TRANSPORTATION PROJECTS

HIGHWAY TRUST FUND

The Highway Revenue Act of 1956 established this fund to ensure a reliable source of assets for highway construction. It represents the largest share of federal aid money for eligible transportation projects in southern Nevada. The fund is currently recharged through an 18.4-cent federal gasoline tax and a 24.3-cent federal diesel tax. SAFETEA-LU authorizes expenditures from the trust fund. In addition to providing highway aid, a portion of the revenues finance transit projects. Recent increases in fuel prices have effectively reduced vehicle use, thereby reducing the amount of tax revenue available to the fund. On September 15, 2008 Congress agreed to provide an additional \$8 billion in revenue until a new transportation reauthorization bill is signed, which is expected to occur in September 2009.

FTA

As authorized by SAFETEA-LU, the Federal Transit Administration (FTA) supports locally planned and operated public mass transit systems throughout the United States. The FTA requested \$9.42 billion in Fiscal Year 2008 to help fund myriad programs for grants including bus and bus-related capital projects, metropolitan and statewide planning, fixed guideway modernization (including all rail, cable car and bus rapid transit projects), major capital investments, and research and technology. Recently available grant programs include the National Fuel Cell Technology Development Program and Flexible Funding Program.²⁶

CMAQ

The Congestion Management and Air Quality Mitigation Program (CMAQ) is a program funded by the federal government and made available specifically for transportation projects in areas like Southern Nevada that are National Ambient Air Quality Standards (NAAQS) non-attainment areas. Transportation projects that demonstrate the ability to reduce motor vehicle emissions in a cost effective manner are awarded CMAQ funding. Under the CMAQ program, it is estimated that \$15 million will be allocated each year for use in the Las Vegas non-attainment area.²⁷ CMAQ funding cannot be used for projects that result in new capacity for single-occupant vehicles.

STP

The federal Surface Transportation Program (STP) is intended to accommodate a wide range of projects. This highly flexible fund can be used for new construction, maintenance, transit, trip reduction, traffic control

²⁶ FTA, "FY 2008 Budget Submission," retrieved from www.fta.dot.gov/about/about_FTA_5321.html.

²⁷ RTC, *Regional Transportation Plan, Fiscal Year 2009-2030*, p. ES8.

systems, and traffic management programs. Like CMAQ, STP funds cannot be used to build new higher capacity projects for single occupant vehicles. This funding is subdivided into several subcategories: statewide, enhancement and urban. Statewide funding is available for major routes. Enhancement funds are available for distribution according to priorities determined by the Statewide Transportation Technical Advisory Committee (STTAC). Urban funding provides about \$21 million per year.²⁸

STATE GAS TAX

The bulk of revenues for construction, maintenance and repair of the state's public roadways is raised from the gas tax. The state gasoline tax is currently levied at 24.75 cents per gallon. Of this, 17.65 cents goes to the State Highway fund, 6.35 cents to cities and counties and 0.75 cents to the State Petroleum Clean-Up Trust Fund.²⁹ The gasoline tax currently generates approximately \$210 million per year.³⁰

RTC (CLARK COUNTY) GAS TAX

The RTC administers the distribution of state-collected fuel taxes. The use of gas tax is legislatively limited to local roadway construction and maintenance only. Currently the Clark County gas tax, levied at a maximum of \$0.09 per gallon, generates approximately \$70 million per year. Projects undertaken with Gas Tax funds are divided into two elements, the main Capital Improvement Plan (CIP) and the Area-Wide Project Program.

QUESTION 10

In 1991 the Nevada state legislature adopted the Question 10 transportation funding referendum. A portion of this voter-approved revenue helped launch construction of the Bruce Woodbury Beltway and the Citizens Area Transit system. A separate voter-approved initiative also called Question 10 was designed in 2002 to augment the local monies that came from the 1991 funding package.³¹ Question 10 generates revenue from taxes on developers, aviation fuel and retail sales to fund improvements for streets and highways.

The 2002 Question 10 initiative increased the development tax rate levied to support transportation infrastructure, increased the jet aviation fuel tax rate levied to support transportation improvements related to the local airports, and increased the sales tax rate to apply the additional revenues to highway, intermodal, and transit expenditures. Sales tax funds from the Question 10 package were allocated to a wider range of programs that include: operations of the Freeway and Arterial System of Transportation (FAST), described in detail in a later section; a new high-speed lane miles program; continuation of the Beltway program; and various intermodal programs to support on-street bicycle facilities and

²⁸ *Ibid.*

²⁹ *RTC, Regional Transportation Plan, Fiscal Year 2006-2030, p. 7-11.*

³⁰ *Ibid.*, p. 7-12.

³¹ *Ibid.*, p. 7-14.

Intelligent Transportation Systems (ITS) activities.³² The initiative is expected to generate approximately \$2.7 billion over 25 years.³³ Per the terms of the initiative, half of the quarter-cent sales tax will sunset once \$1.7 billion is raised from the sales tax or on June 30, 2028, whichever occurs first, unless extended by a new initiative.³⁴ According to the ballot question, it is estimated that only about 20 percent of the taxes will be shouldered by citizens, while about half of the funding will be provided through a return on federal and state tax dollars.³⁵

Table 4 below details city projects that utilize Question 10 funding and their implementation progress. The Project Type describes the specific funding program used. The Prioritized Amount is the full dollar amount approved by the RTC for individual projects, which were ranked among those from other entities. The Contract Amount is for the initial phases of project implementation. The remainder of the funding will appear in a separate contract in a later phase of development.

Table 4: City of Las Vegas Question 10 Project Funding Summary Report

Project Name	Project Type	Project Approval Date	Prioritized Amount (\$ millions)	Contract Amount (\$ millions)	Status (\$ Millions)
Alta Dr, Main St/ Hualapai Wy	Bicycle Lane	08/11/2005	\$0.700	\$0.700	Completed May 2007
Tenaya Wy & Gowan Rd	Bicycle Lane	03/13/2008	\$0.064	\$0.064	Under construction since Oct. 2008
Sheep Mtn Pkwy Corridor Study	High-Speed Lane Miles	02/12/2004	\$3.100	\$3.100	50% Complete
Sheep Mtn Pkwy ROW Acquisition, US 95 and CC215 Interchanges	High-Speed Lane Miles	09/13/2007	\$4.550	\$4.550	Pending Sheep Mtn Pkwy EIS
Summerlin Pkwy: I-215 to U.S. 95	High-Speed Lane Miles	05/20/2004	\$40.730	\$13.200	15% Design
MLK: Palomino Ln to Carey Ave	High-Speed Lane Miles	06/10/2004	\$30.125	\$30.125	Under construction 30% Complete
ITS Communication Infrastructure	ITS	03/11/2004	\$6.500	\$6.500	Under construction 40% Complete
FY05 Arterial Interconnect Conduit Program	ITS	06/10/2004	\$0.963	\$0.963	Under construction 80% Complete
FY05 Bus Turnout	Transit	08/12/2004	\$3.500	\$3.500	90% Design
FY06 Bus Turnout	Transit	11/10/2005	\$2.600	\$2.600	100% Design; Construction expected Feb. 2009
			Total	Total	
			\$92.832	\$65.302	

Source: City of Las Vegas Department of Public Works, Nov. 4, 2008

³² RTC Ibid., p. 7-15.

³³ Jerry Werner, "Las Vegas' Integrated Freeway/Arterial Control System Prepares to Move to New and Larger Facility," National Transportation Operations Coalition (NTOC) News Archive, retrieved from www.ntotalks.com/icdn/fast_rtc.php.

³⁴ Clark County, Nevada Election Department, "Clark County Advisory Question No. 10," 2002.

³⁵ Ibid.

ASSEMBLY BILL 595

On June 3, 2007, the Nevada State Legislature passed a bill into law generating over \$1 billion in funding for statewide transportation projects.³⁶ Funds will be allocated from the diversion of revenue from the room tax in an annual commitment from the Las Vegas Convention and Visitors Authority (the County's "fair and recreation board")³⁷, a portion of the car rental tax (currently four percent of the rental amount) and reallocation of a portion of property taxes to be used for other capital projects in Clark and Washoe Counties.³⁸

36 State of Nevada Press Release, retrieved from www.gov.state.nv.us/PressReleases/2007/2007-06-06AB595signing.htm.

37 Nevada Motor Transport Association, retrieved from www.nmta.com/content/gaffairs/lupdates/final.pdf.

38 Nevada State Legislature, 74th Session, Assembly Bill 595, Sections 47 and 49.



EXISTING CONDITIONS

TRANSPORTATION

LOCATION OF RIGHTS-OF-WAY (MASTER PLAN OF STREETS AND HIGHWAYS)

The Master Plan of Streets and Highways was originally adopted as the “Major Street Plan Map” by the Board of City Commissioners on October 6, 1971³⁹ for the purpose of eliminating existing congestion and facilitating rapid traffic movement, while making provisions for anticipated future traffic needs. It provides the “locations and widths of a comprehensive system of major traffic thoroughfares and other traffic ways,” as required by NRS 278.160. Changes to the Transportation & Streets and Highways Element and the Master Plan of Streets and Highways Map and Schedule 13-1A are made through a General Plan Amendment application and approved by the City Council in ordinance form. The most recent amendment to this plan was on February 4, 2009.⁴⁰

The Master Plan of Streets and Highways Map and Schedule 13-1A prescribes the location and classification of present and future primary roads within the city of Las Vegas. (A detailed examination of the functional classification appears below.) It determines right-of-way widths and Planned right-of way alignments. Excluding private master-planned areas of Las Vegas, circulation in the city is facilitated by a grid pattern to effectively move vehicular and bicycle traffic in the shortest amount of time. Major Planned streets typically occur in half-mile intervals, with primary (100-foot wide) arterials on section lines and major (80-foot wide) collectors on quarter section lines. Specially designed roads are also identified, which are documented in a separate set of drawings. Freeways are also an integral part of the circulation system, as they are designed to carry the most vehicles, connect to other points of the system and have high impact on the arrangement of land uses. The Master Plan of Streets and Highways Map and Schedule 13-1A is shown on Map 2.

Today, the city of Las Vegas contains 1,661 lane-miles of roadway within functional classes shown on Map 3.⁴¹ (A mile-long, two-lane street equals two lane-miles; a mile-long, four-lane street equals four lane-miles.) Of Planned streets, arterials make up approximately 52 percent of the total lane-miles classified within city boundaries. Roads classified as freeways, expressways, frontage streets or ramps make up about 23 percent of the total,⁴² according to the classification system used by the city.

³⁹ *City of Las Vegas Ord. 1537 (Oct. 6, 1971).*

⁴⁰ *City of Las Vegas City Council Agenda Items 77-78 (MSH-29429 and MSH-29859).*

⁴¹ *Data supplied by City of Las Vegas Public Works Department Traffic Engineering Division, Feb. 26, 2008. Lane miles are calculated only for those streets classified as Planned streets on the official Master Plan of Streets and Highways Map and Schedule 13-1A.*

⁴² *Ibid.*

TERMINALS

The city of Las Vegas no longer has a train terminal for passenger service or freight distribution. The Union Pacific depot that had been in place at Fremont and Main Streets since 1940 was replaced by the Plaza Hotel in 1971. Passenger service continued inside the hotel until 1997. Current city terminals are shown on Map 4 within a valley-wide context.

DOWNTOWN TRANSPORTATION CENTER

As of November 7th, 2010 the brand new 20,000 square-foot Bonneville Transit Center began operations. The transit center, located at the corner of Bonneville Avenue and Casino Center Boulevard, is currently the largest Regional Transportation Commission of Southern Nevada (RTC) transit center in operation and provides a variety of transportation services. The center facilitates routes which include the Strip & Downtown Express, the Dues on the Strip, Centennial Express, Metropolitan Area Express (MAX) and 12 other routes.

GREYHOUND BUS TERMINAL

Located at 200 South Main Street, this depot provides Amtrak Thruway bus service to the city. The terminal is open 24 hours a day, seven days a week, including holidays. Greyhound provides non-stop service from Las Vegas to Barstow, California and St. George, Utah.⁴³

VIADUCTS

A viaduct, for the purposes of this element, is defined as an elevated roadway or bridge extending over a valley, railroad, or another roadway that consists of multiple short spans. There is one existing viaduct located within the city of Las Vegas. The Downtown Las Vegas Viaduct is a 24-span bridge along I-515/US 95 extending from the Union Pacific Railroad tracks near Main Street east to 21st Street.

GRADE SEPARATIONS

Roads, rails or trails are grade separated when they cross one another at different heights such that the flow of traffic is not disrupted on at least one of the roads. A fully grade-separated road can accommodate a higher capacity than intersections at grade. Grade separations most frequently occur at freeway interchanges, although they may also include pedestrian walkways over existing streets and railroad overpasses. Existing grade separations and those either proposed or under construction within the city may be found on Map 5.

⁴³ Retrieved from www.greyhound.com/home/ticketcenter.

While grade separations facilitate railroad and freeway operation without interrupting traffic on surface streets, the design of grade separations may create an impediment to bicycle lanes, sidewalks and especially future transit options. Where a surface street is below the grade of a freeway or railroad bridge, the establishment of a light-rail transit route under the bridge could be impeded due to a lack of clearance under the bridge for the transit vehicle. Likewise, the weight of a light-rail vehicle may not be able to be supported by an existing grade separation over a freeway or railroad. NDOT's proposed connection of Martin Luther King (MLK) Boulevard with Industrial Road via Project Neon will create a massive grade separation (viaduct) over I-15 and the Union Pacific Railroad tracks. Including a light-rail route in the design of the MLK-Industrial Road connector could eliminate problems associated with older existing grade separations.

AVIATION

There are nine public airports located within the Las Vegas area, five of which are owned and operated by the Clark County Department of Aviation. There is one commercial airport (McCarran International Airport) and four general aviation airports (Henderson Executive Airport, North Las Vegas Airport, Jean Sport Aviation Center, and Overton-Perkins Field). Overton-Perkins Field is not covered in this document. Additionally, the Department of Aviation is preparing an Environmental Impact Statement for a proposed new commercial airport in the Ivanpah Valley, which is located 30 miles south of Las Vegas. The three public airports that are not operated by the Clark County Department of Aviation are the Boulder City Municipal Airport, Mesquite Municipal Airport and the Searchlight Airport; these also are not covered in this document.

- McCarran International Airport – McCarran is the Las Vegas Valley's principal commercial airport. McCarran consists of two terminals with a total of 103 gates and is a major hub for several airlines. McCarran International Airport is bounded by Las Vegas Boulevard, Eastern Avenue, Russell Road and Sunset Road and consists of 2,800 acres and four runways. A third terminal is planned to open in 2011. The new terminal will provide 14 additional gates, bringing the total to 118 gates. In 2008, about 44.1 million passengers⁴⁴ passed through McCarran's terminals. McCarran is the sixth busiest airport in the United States in terms of the number of takeoffs and landings by air carriers, air taxis, general aviation and military.⁴⁵

- Henderson Executive Airport – Clark County purchased the 760-acre Sky Harbor Airport in March 1996 to be used as a reliever airport to handle general aviation and smaller commercial (tour operator) traffic using McCarran International Airport. The airport's name was subsequently changed to Henderson Executive Airport. This general aviation airport is home to a Grand Canyon tour company, two flight schools, and a fully operational Air Traffic Control Tower, which is manned daily. In July 2006, the Department of Aviation opened a new 24,000 square-foot terminal building as part of a \$30 million renovation to the airport, which also included reorienting the existing runway and adding a parallel runway to increase capacity.⁴⁶
- North Las Vegas Airport – This 920-acre general aviation airport opened on December 7, 1941 as Sky Haven Airport. The airport remained under a series of private owners until the City of North Las Vegas purchased it in 1966. In 1967, Howard Hughes purchased the facility from the City of North Las Vegas. The airport again changed ownership when Clark County purchased it in 1987 to be designated as the general aviation reliever airport for McCarran International Airport. North Las Vegas Airport, which has a 15,600 square-foot terminal, is the second busiest airport in Nevada and logs more than 230,000 operations annually.⁴⁷
- Jean Sport Aviation Center – Located 20 miles south of Las Vegas on I-15, the 232-acre Jean Sport Aviation Center is utilized for fly-ins and recreational aviation. The Jean Sports Aviation Center can accommodate up to 36 aircraft on its paved ramp and more on a compacted dirt surface. Additionally, this facility has a 6,000 square-foot special events center available at no cost for aviation-related activities.⁴⁸

44 News Release, Jan. 23, 2009. Retrieved from <http://cms.mccarran.com/dsweb/Get/Document-253383.pdf>.

45 Federal Aviation Administration, "Top Busiest U.S. Airports 2007," retrieved from www.faa.gov/news/updates/busiest_airports/.

46 Retrieved from www.hnd.aero/history.asp.

47 Retrieved from www.vgt.aero.

48 Retrieved from www.mccarran.com.

- Ivanpah Airport (Proposed) – The 6,000-acre Ivanpah Airport will be located approximately 30 miles south of Las Vegas. The project is now the subject of an Environmental Impact Statement study conducted by the Federal Aviation Administration and the Bureau of Land Management. Potential construction could be completed by 2017 if all schedules are met.

AIRPORT OVERLAY DISTRICT

Within the city of Las Vegas, two Airport Overlay Districts exist that limit the height of structures within the vicinity of the McCarran and North Las Vegas airports. These areas are identified by their respective airspace zoning maps as prepared in 1990 by the Clark County Airport Engineering Department. Municipal Code (Title 19) describes the instances in which a Special Use Permit may be required for land uses or developments within an Airport Overlay District.

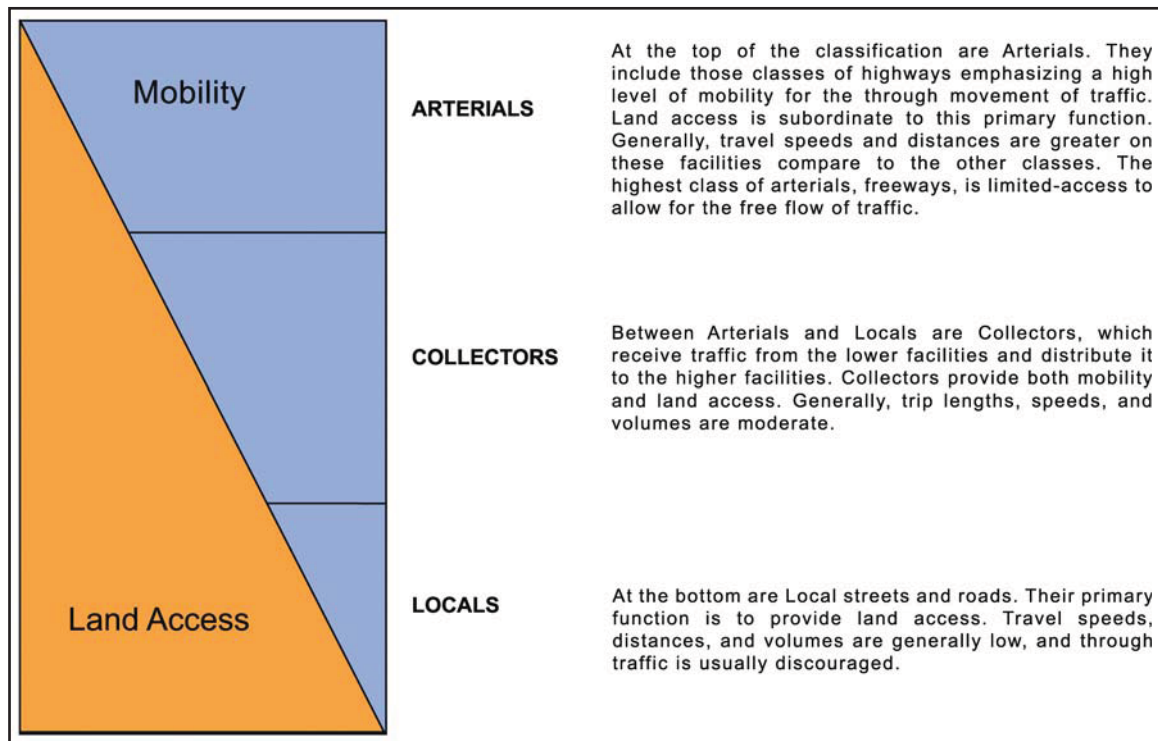
STREETS AND HIGHWAYS

FUNCTIONAL CLASSIFICATION

A functional classification system is the hierarchical grouping of roads, streets, and highways based on the types of highway service they provide as required by the Federal-Aid Highway Act of 1973.⁴⁹ This system assumes that streets and highways do not operate independently; they are part of an interconnected network in which each performs a service moving traffic throughout the system in a logical and efficient manner. Functional classification defines the part that any particular road should play in facilitating the flow of traffic through a roadway network. Generally, streets and highways perform two types of service: traffic mobility and land access. Street type can be ranked in terms of the proportion of service it performs, as shown in the following diagram.

⁴⁹ FHWA, "FHWA Functional Classification Guidelines," Revised 1989. Retrieved from www.fhwa.dot.gov/planning/fcsec1_1.htm.

Table 5: Functional Classification



Source: *A Guide for Functional Highway Classification (1964)*, prepared by a joint subcommittee of the American Association of State Highway Officials, the National Association of Counties, and the National Association of County Engineers.

Title 13.12.040⁵⁰ identifies what are considered Planned streets in the city of Las Vegas. Title 13.12.040 states:

Planned streets or highways shall denote streets or highways of importance to the City and on which preference is given to the through movement of traffic. Planned streets and highways shall consist of the following as designated on the official Master Plan of Streets and Highways Map and Schedule 13-1A:

- (A) All highways designated as Federal highways;
- (B) All highways designated as State highways; to include frontage roads;
- (C) Section line roads designated by the Planning Commission;
- (D) Other streets and highways, existing or proposed, which the Planning Commission has designated as Planned streets or highways in order to carry out the purpose of this Plan.

Title 13.12.050⁵¹ of the Las Vegas Municipal Code is the Functional Classification System for Planned streets in the city of Las Vegas. Title 13.12.050 states:

For the purposes of function, Planned streets or highways shall be classified and are designated on the official Master Plan of Streets and Highways Map as follows:

⁵⁰ Citations of Municipal Code standards are for reference only and are subject to change. Please refer to Municipal Code for the most current standards and definitions.

⁵¹ See Note 50.

(A) Major thoroughfare:

1. **Freeway:** A divided highway with one-hundred-fifty-foot-wide minimum right-of-way and classified as “controlled access”; a high-speed road with grade-separated interchanges.
2. **Expressway:** A divided highway with a one-hundred-fifty foot wide minimum right-of-way and classified as “limited access”; a high-speed road with at-grade, cross-traffic, intersections.

(B) Primary thoroughfare:

1. **Parkway Arterial:** A street or highway which has a minimum right-of-way width of one hundred and twenty feet and an existing or potential design capacity of three or more travel lanes of traffic in each direction and 19’ on each side for sidewalk and landscape divided by a landscape median.
2. **Primary Arterial:** A street or highway which has a minimum right-of-way width of one hundred feet and an existing or potential design capacity of three lanes in each direction, divided by a raised median with left turn pockets.

(C) Secondary thoroughfare:

1. **Major Collector:** A street or highway which has a minimum right-of-way width of eighty feet and an existing or potential design capacity of two travel lanes of traffic in each direction with a center turn lane or raised median with left turn pockets.

Title 13.12.060⁵² identifies what are considered minor streets in the city of Las Vegas. Title 13.12.060 states:

Minor streets shall include all streets not designated as Planned streets or highways on the official Master Plan of Streets and Highways Map or Schedule 13-1A.

Title 13.12.070⁵³ of the Las Vegas Municipal Code is the Functional Classification System for minor streets in the city of Las Vegas. Title 13.12.070 states:

(A) For the purposes of function, minor streets are classified as follows:

1. **Minor Collector:** A street which has a minimum right-of-way width of sixty feet which collects traffic from local streets and distributes them to major collectors or arterial streets.
2. **Residential Street:** A street with which is designed to carry residential traffic between minor collectors.
3. **Local Street:** Any street which is designed to carry a combination of light commercial and residential traffic between minor collector, major collectors and primary arterials that does not function as a collector or arterial.

⁵² See Note 50.

⁵³ See Note 50.

4. **Local Access or Service Road:** A street or that portion of a major or secondary thoroughfare lying outside the principle roadway designed to provide frontage for individual lots and which primarily carries traffic having a destination or origin on the street itself.

(B) The locations of minor streets are not shown on the official Master Plan of Streets and Highways Map or Schedule 13-1A, but it is the intent of this Plan that, whenever a street functions as a minor street as defined in this Chapter, all the provisions of the Master Plan pertaining to minor streets shall apply.

STREET WIDTHS AND CROSS-SECTIONS

RIGHTS-OF-WAY

The right-of-way is the total width of the lineal segment of land required for the road paving and for the placement of future utilities and infrastructure (gas, water, sewer, telephone, and electric facilities). The right-of-way may also include landscaping, sidewalks, and curb and gutter. The subdivision and site plan review process provides for the dedication by property owners of rights-of-way for all street system improvements. The property owner is responsible for “half-street” improvements of planned arterial streets that are located immediately adjacent to new subdivisions and developments. This includes the construction of travel lanes, parking lanes, sidewalks, curbs, gutters, and streetlights.

From an engineering perspective, the design of rights-of-way according to their place in the functional classification pays greater attention to the movement of vehicles and roadway capacity than to the social aspect of the streetscape, where people are part of an interactive environment. Planners have begun to work with traffic engineers to design streets that meet the needs of pedestrians, bicyclists, transit users and motorists alike. These “complete streets” provide a safe and accessible environment for a variety of transportation modes and users. In some cases, new policies must be adopted to allow for street designs that accommodate other modes. Figures 1A and 1C show standard complete street drawings; roadways may be designed to contain bicycle lanes.

A complete street does not necessarily require large rights-of-way. Narrow streets are appropriate for areas of high pedestrian traffic and in residential areas. While they still allow motorized access, they also are striped for bicycle lanes, have sidewalks on both sides of the roadway and allow easier access to those with disabilities. The narrower width discourages high-speed auto traffic and encourages only those drivers seeking access to residences.

A road diet is one way to accommodate alternative modes without expanding the right-of-way. By reducing the number of travel lanes on a four-lane, two-way street to two and adding a center turn lane, for example, traffic can move more efficiently and predictably. Restriping can make the pedestrian experience safer, as there are fewer lanes to cross and only one lane of traffic to watch for before crossing. Alternatively, bike lanes or emergency lanes can be added on the edges of the roadway for safety. Medians and streetscaping can be added to beautify the roadway. According to the Pedestrian and Bicycle Information Center at the University of North Carolina Highway Safety Research Center, street designs using raised medians and left-turn bays may be preferable to unimpeded center turn lanes, since head-to-head conflicts are possible and motorists tend to use center turn lanes as acceleration lanes,⁵⁴ which is illegal in Nevada.

The Institute of Traffic Engineers (ITE) published a recommended best practices manual in 2006 for designing roadways that are compatible with their physical surroundings. This publication recommended reducing lane widths as a means of increasing space for on-street parking, landscaped medians and bicycle lanes:

Wider travel lanes only marginally increase traffic capacity. . . . An 11-ft. wide lane reduces the saturation flow rate by 3 percent when compared to a 12-ft. lane, while a 10-ft. wide lane reduces the saturation flow rate by about 7 percent. Consider other means of capacity enhancement such as access management or signal synchronization before using wider lanes.⁵⁵

Because streets provide access to commercial uses, the American Planning Association says that complete streets can “increase the economic viability of a city district by improving access for more people, thus increasing the potential number of customers to businesses.”⁵⁶

54 Pedestrian and Bicycle Information Center, “Roadway and Pedestrian Facility Design: Lane Reduction,” retrieved Dec. 8, 2008 from www.walkinginfo.org.

55 Transportation Research Board. *Highway Capacity Manual* (Washington, DC: TRB, 2000). Quoted in Institute of Traffic Engineers (ITE), *Context Sensitive Solutions in Designing Major Urban Thoroughfares for Walkable Communities* (Washington, DC: ITE, 2006), p. 119.

56 American Planning Association Planning Advisory Service (PAS), “Complete Streets,” PAS Quicknotes No. 5 (2006).

Viewing the street as part of the social landscape by reducing street widths while at the same time maintaining efficient capacity is an important aspect of making streetscapes more inviting for social interaction, walkability and ultimately sustainability. Further discussion about making streets more inviting can be found in the Street Treatment and Streetscaping sections of this element.

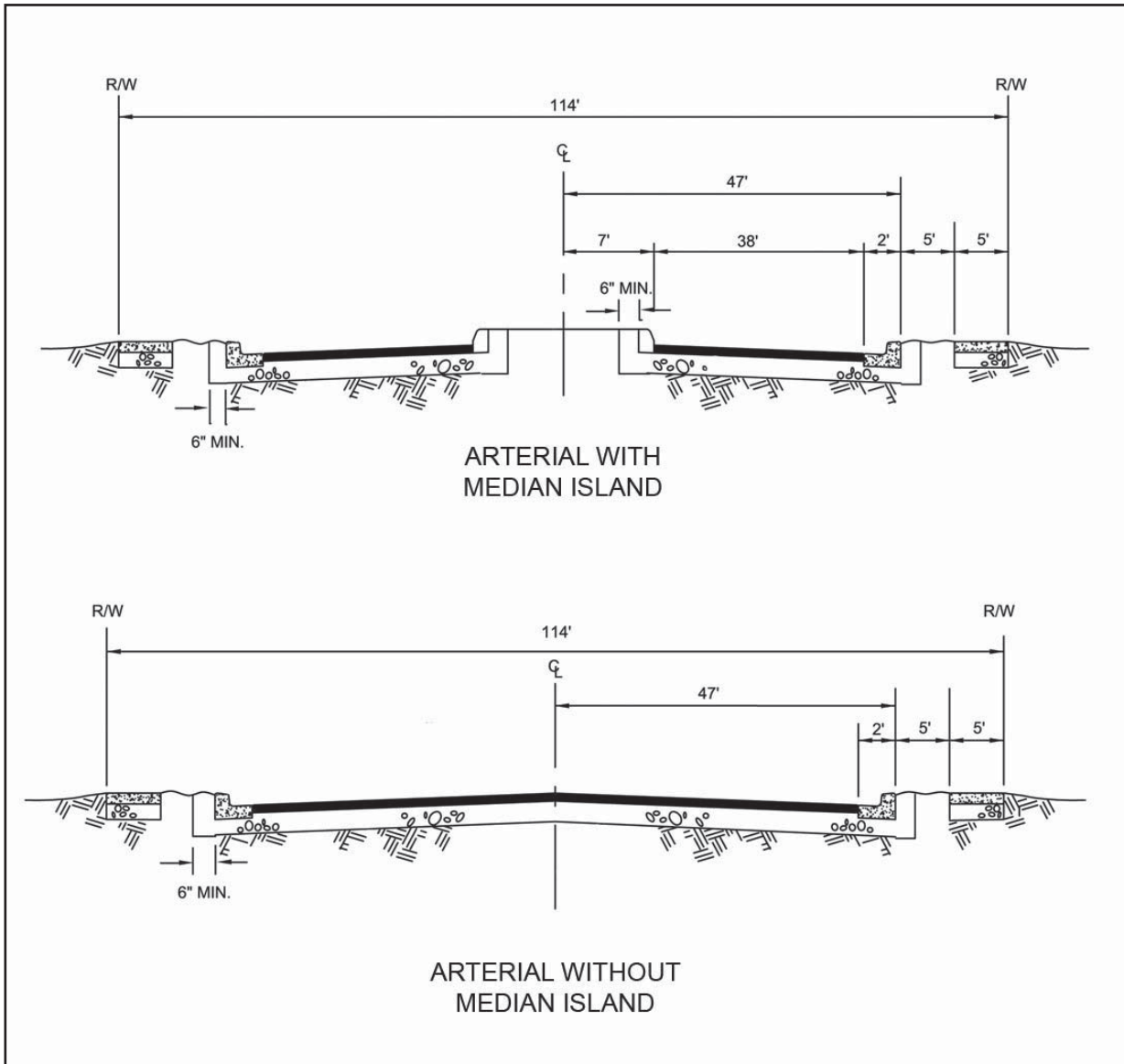
STANDARD ROADWAY CROSS-SECTIONS

The following city of Las Vegas cross-sections are adapted from the Uniform Standard Specifications for Public Works Construction of Off-Site Improvements, maintained by the RTC. According to the most recent version of the RTC Policies and Procedures, projects are designed to the following standards:⁵⁷

- Local standards set by the Public Works Departments of public entities such as city of the Las Vegas, Clark County, and the city of Henderson.
- Standards adopted by the RTC
- RTP Bicycle and Pedestrian standards
- State of Nevada standards
- American Association of State Highway and Transportation Officials (AASHTO) standards
- Regional Intelligent Transportation Systems Architecture adopted by the RTC
- Generally accepted engineering practices

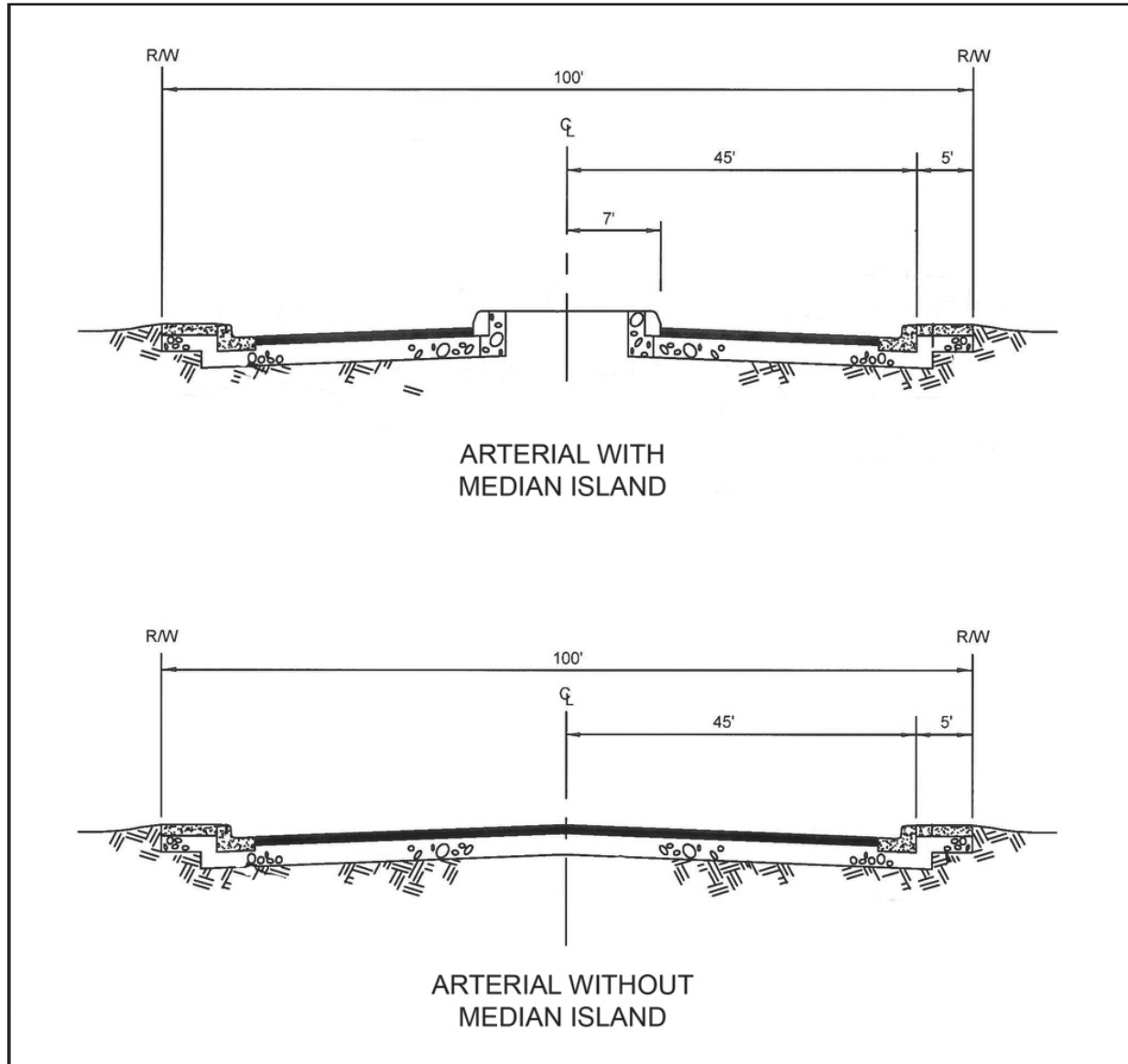
⁵⁷ *RTC Policies and Procedures, September 19, 1980. Revised December 13, 2007, p.13.*

Figure 1A: Primary Thoroughfares, with Detached Sidewalk (114' Width)



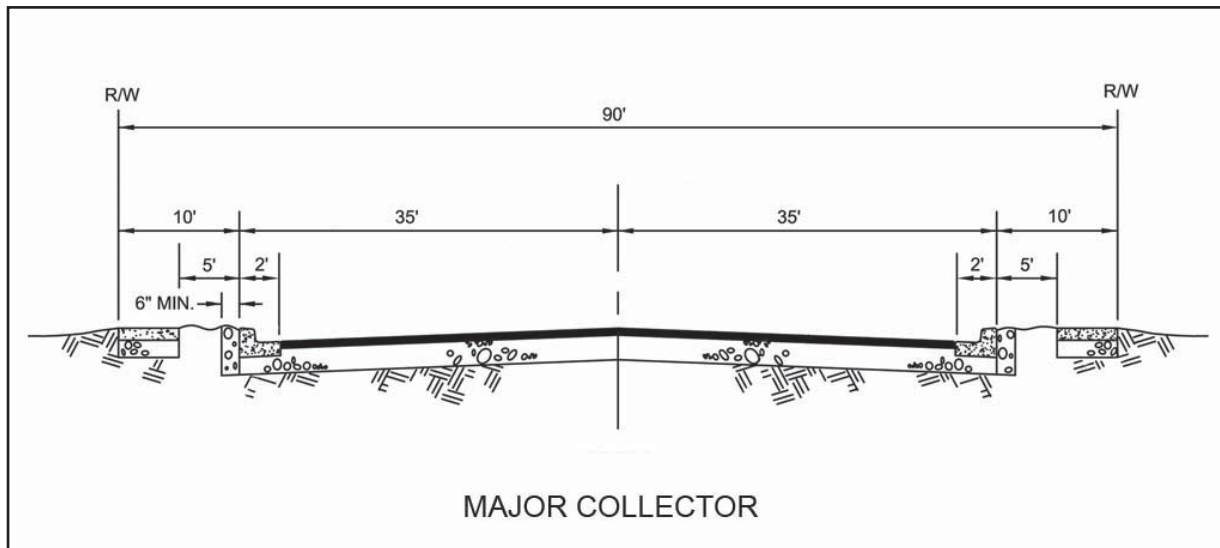
Source: RTC, Uniform Standard Specifications for Public Works Construction of Offsite Improvements, Drawing No. 202 ALT (11-10-04)

Figure 1B: Primary Thoroughfares, without Detached Sidewalk (100' Width)



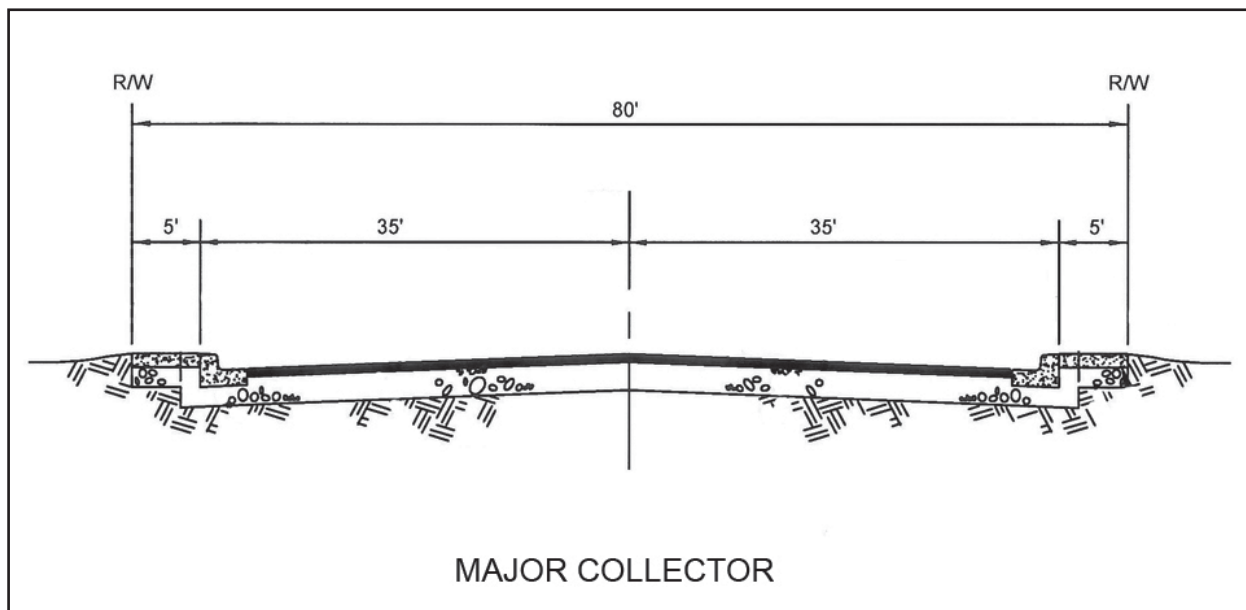
Source: RTC, *Uniform Standard Specifications for Public Works Construction of Offsite Improvements*, Drawing No. 202 (11-10-04)

Figure IC: Secondary Thoroughfares, with Detached Sidewalk (90' Width)



Source: RTC, Uniform Standard Specifications for Public Works Construction of Offsite Improvements, Drawing No. 205 ALT (11-10-04)

Figure ID: Secondary Thoroughfares, without Detached Sidewalk (80' Width)



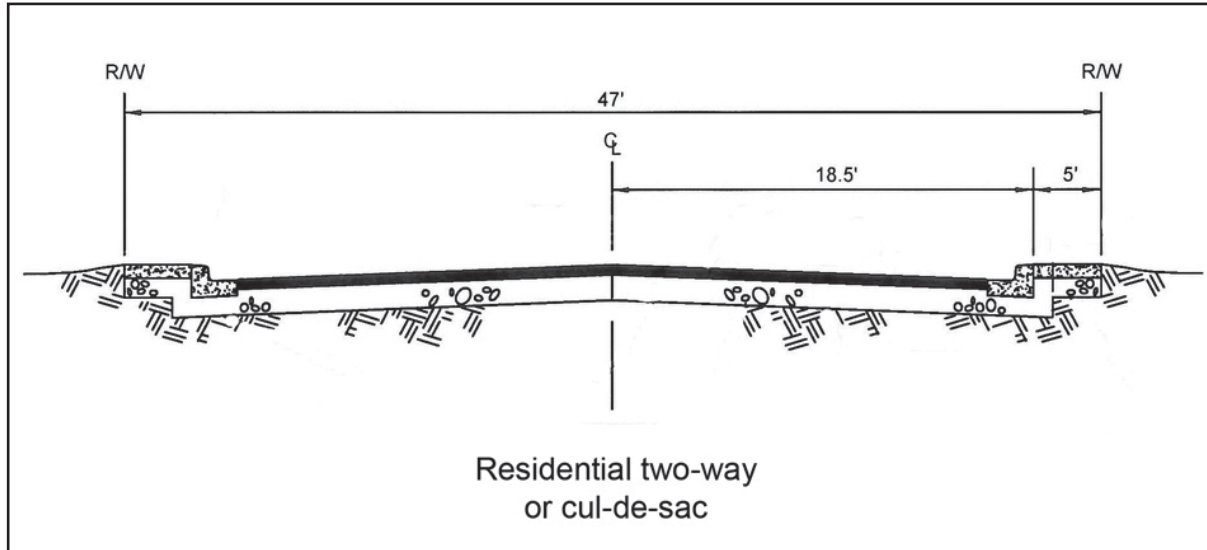
Source: RTC, Uniform Standard Specifications for Public Works Construction of Offsite Improvements, Drawing No. 205 ALT (11-10-04)

Figure IE: Secondary Thoroughfares, without Detached Sidewalk (60' Width)



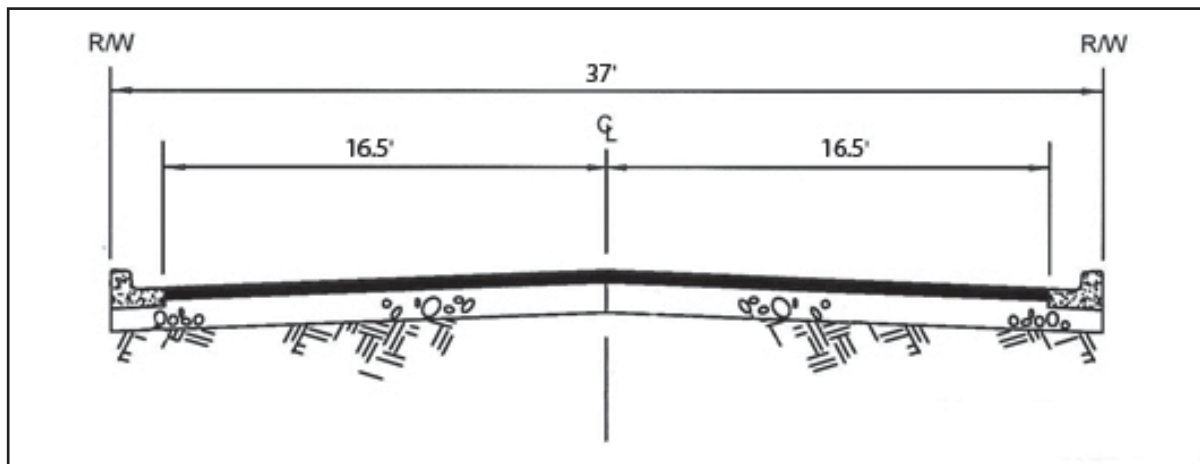
Source: RTC, *Uniform Standard Specifications for Public Works Construction of Offsite Improvements*, Drawing No. 205 (11-10-04)

Figure IF: Local Streets



Source: RTC, Uniform Standard Specifications for Public Works Construction of Offsite Improvements, Drawing No. 207 (11-10-04)

Figure IG: Private Streets



Source: RTC, Uniform Standard Specifications for Public Works Construction of Offsite Improvements, Drawing No. 210 (12-14-00)

FREEWAYS

As defined by the Las Vegas Municipal Code above, a freeway is a divided controlled-access highway with 150-foot wide minimum right-of-way and grade-separated interchanges. Four freeways exist within the city limits. The Bruce Woodbury Beltway (I-215 and CC215), which is located intermittently in the city, contains portions that are grade-separated; however, it will not be considered a freeway until construction is complete.

- **I-15:** Runs through the heart of the Las Vegas Valley connecting the city of Las Vegas with the rest of the nation. I-15 North connects Las Vegas to Salt Lake City and I-15 South leads to Los Angeles. The “Spaghetti Bowl” is a locally coined name for the I-15 and US 95/I-515 interchange located near downtown in the heart of the Las Vegas Valley.
- **US 95:** Provides connectivity with Reno northbound and joins with I-15 and US 93 at the center of the Valley. It proceeds south to Laughlin, Nevada and on to Bullhead City, Arizona.
- **I-515:** Originates at the Spaghetti Bowl and continues south to I-215 in Henderson. A circumferential route of the Interstate System, it is co-signed with US 95 throughout its reach.
- **US 93:** Is coincidental with US 95 and I-515 from the Spaghetti Bowl to Henderson. It proceeds south to Laughlin, Nevada.

Map 6 shows the extent of freeways in the city of Las Vegas and their connectivity to points outside of the city.

HIGH OCCUPANCY VEHICLE LANES (HOV)

High occupancy vehicle (HOV) lanes encourage carpooling by enabling drivers with passengers to travel in separate lanes, usually at higher speeds than mixed-flow traffic. The Nevada Department of Transportation has added carpool lanes to the recently widened sections of US 95. The lanes extend north and south from approximately Lake Mead Boulevard to the Spaghetti Bowl. Additional lanes are currently being added to I-15, and NDOT anticipates that more HOV lanes will be added to other Las Vegas Valley freeways in the future.

BICYCLE TRANSPORTATION

Currently, there are more than 82 miles of bicycle routes, 192 miles of bicycle lanes and 107 miles of shared use bicycle travel lanes within the Las Vegas Valley.⁵⁸ The RTC’s Regional

⁵⁸ RTC, *Regional Transportation Plan, Fiscal Year 2009-2030, Bicycle and Pedestrian Plan*, (Oct. 2008), p. 19.

Bicycle Map recognizes the following Federal Highway Administration (FHWA) definitions for a bicycle route, a bicycle lane and a shared-use path:

- **Bicycle Route** – A signed shared roadway is designated by placing signs along the roadway, indicating it is a preferred route for bicycle use. Bicycle routes are designated on roadways that have a wide curb lane of at least 14 feet or greater between the lane line and the lip of the curb, plus a 1.5-foot wide gutter pan.
- **Bicycle Lane** – A bicycle lane is a portion of a roadway that has been assigned using striping, signing, and pavement markings for the use of bicyclists. The width of the bicycle lane is set at a four-foot minimum from the bicycle lane strip to the edge of the pavement, plus a 1.5-foot wide gutter pan.
- **Shared-Use Path** – A shared-use path is a bikeway physically separated from motorized vehicular traffic by an open space or barrier and either within the highway right-of-way or within an independent right-of-way. Pedestrians, skaters, wheelchair users, joggers, and other non-motorized users also may use the shared-use paths. The minimum width for a shared-use path is 12 feet of paving for bidirectional travel, with a minimum two-foot shoulder on both sides of the path.

Following the recommendations of a 2004 study, the 2006-2030 Regional Transportation Plan proposed 690 miles of bicycle lanes, 390 miles of routes and 760 miles of shared use paths over 20 years at a cost of \$50 million.⁵⁹ The projects will extend alternative modes of travel by linking bicycle facilities to the farthest reaching points of transit service, locating new routes within a quarter mile of transit, and, when possible, providing routes within transit corridors, including Boulder Highway from Henderson to Downtown Las Vegas.

For analysis and recommendations pertaining to bikeways within the city of Las Vegas, please refer to the Transportation Trails Element of the Las Vegas 2020 Master Plan.

⁵⁹ RTC, *Regional Transportation Plan, Fiscal Year 2006-2030*, p. 4-33.

STREET TREATMENT (CURRENT LANDSCAPE BUFFERING)

Perimeter buffer zones on private property that is adjacent to all street rights-of-way are currently regulated by the “Complete Streets” section requirements found in Title 19 of the Las Vegas Municipal Code. These regulations include the minimum buffer zone depth, or width, which is determined by the use of the property. The landscape buffer width requirements shown in Title 19 are as follows:

Table 6: Current Perimeter Landscape Buffer Widths

Standard	Residential (Multi-Family)	Commercial	Industrial	Residential (Single Family)
Minimum Zone Depth – Adjacent to Right-of-Way	10 feet*	15 feet	15 feet	6 feet**

*When adjacent to or across the street from an existing single family residential use or zoning district, the buffer shall be increased to 15 feet.

**Only when adjacent to streets classified as collector or larger.

Source: Las Vegas Municipal Code Title 19. See Note 50.

Three types of encroachments are currently allowed within the landscape buffer zone:⁶⁰

1. Driveways (curb cuts) that are located perpendicular or approximately perpendicular to the street right-of-way.
2. Sidewalks that are located perpendicular or approximately perpendicular to the street right-of-way.
3. Pedestrian plazas that are located adjacent to the public right-of-way and in accordance with LVMC Title 19.

Sidewalks and trails parallel to the street are not included in the measurement of the perimeter landscape buffer. Similarly, when the sidewalk has landscaping on both sides, as is required on arterial streets, the landscaping adjacent to the street right-of-way does not count towards the landscape buffer width requirements. This method of calculating landscape buffer width provides no incentive for the developer to provide a landscape buffer between the sidewalk and the roadway on streets less than 100 feet in width. All sidewalks are required to be a minimum of five feet in width and conform to the Uniform Standard Drawings, Clark County area, as adopted by the city. Sidewalks located along arterial streets one hundred feet and wider are required to be separated from the back of the street curb by a minimum five-foot landscape buffer, per Title 19.⁶¹

⁶⁰ Las Vegas Municipal Code, Title 19.

⁶¹ See Note 50.

Landscaping is required within the buffer area adjacent to public right-of-way. Plant material and landscape design are regulated through Title 19, where the number and size of trees and plants are specified. There are currently two alternatives to the standard tree arrangement within buffer zones. See Table 7 below. Design illustrations are located in Title 19.

Table 7: Current Minimum Size, Amount and Spacing of Perimeter Landscape Materials

Residential	Single Family Residential	Multi-Family Commercial/	Industrial
Trees	1 – 24-inch box per 30 linear feet on center	1 – 24-inch box per 20 linear feet on center	1 – 24-inch box per 20 linear feet† 1 – 24"-inch box per 30 linear feet‡
	1 – 24-inch box tree or 1 – 15-foot palm per 35 linear feet on center plus one on each end of planter, plus 2 – 15-gallon box trees or palm trees per 35 linear feet to be located between the 24-inch trees	Same as for residential single family	Same as for residential single family
	<i>Tree clusters:</i> Shall exceed the minimum number of trees as calculated above by at least one tree; spacing shall not exceed 45 linear feet on center	<i>Tree clusters:</i> Shall exceed the minimum number of trees as calculated above by at least one tree; spacing shall not exceed 45 linear feet on center	<i>Tree clusters:</i> Shall exceed the minimum number of trees as calculated above by at least one tree; spacing shall not exceed 35 linear feet on center
Shrubs	4 – 5-gallon shrubs per each required tree	Same as for residential single family	Same as for residential single family
Groundcover*	Min. 2-inch depth	Same as for residential single family	Same as for residential single family

†Where adjacent to any residential use

‡Where adjacent to any commercial or industrial use

*Non-vegetative groundcovers shall include, without limitation, rocks and small stones, crushed rock and bark

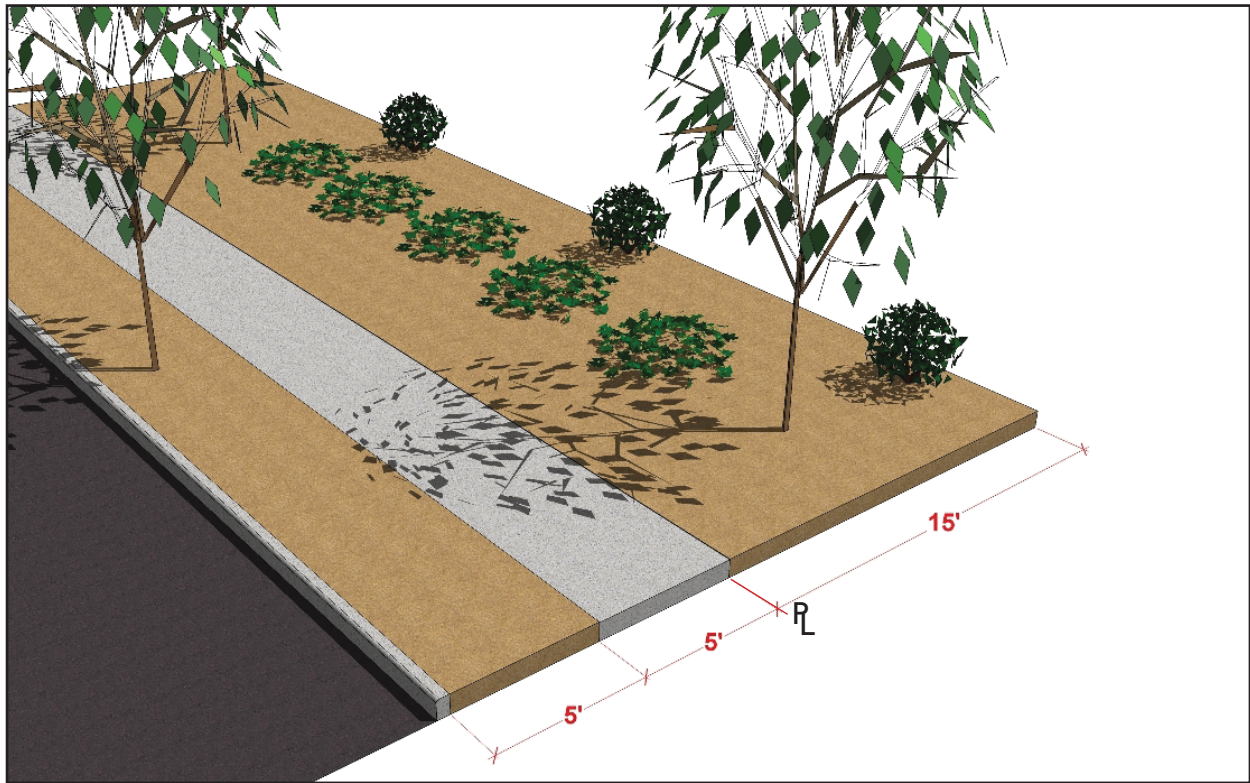
NOTE: Standards are for all areas of the city not in planned developments or special plan areas.

Source: LVMC Title 19. See Note 50.

Figures 2 through 5 depict graphic illustrations of the current landscape buffer requirements in Title 19.⁶²

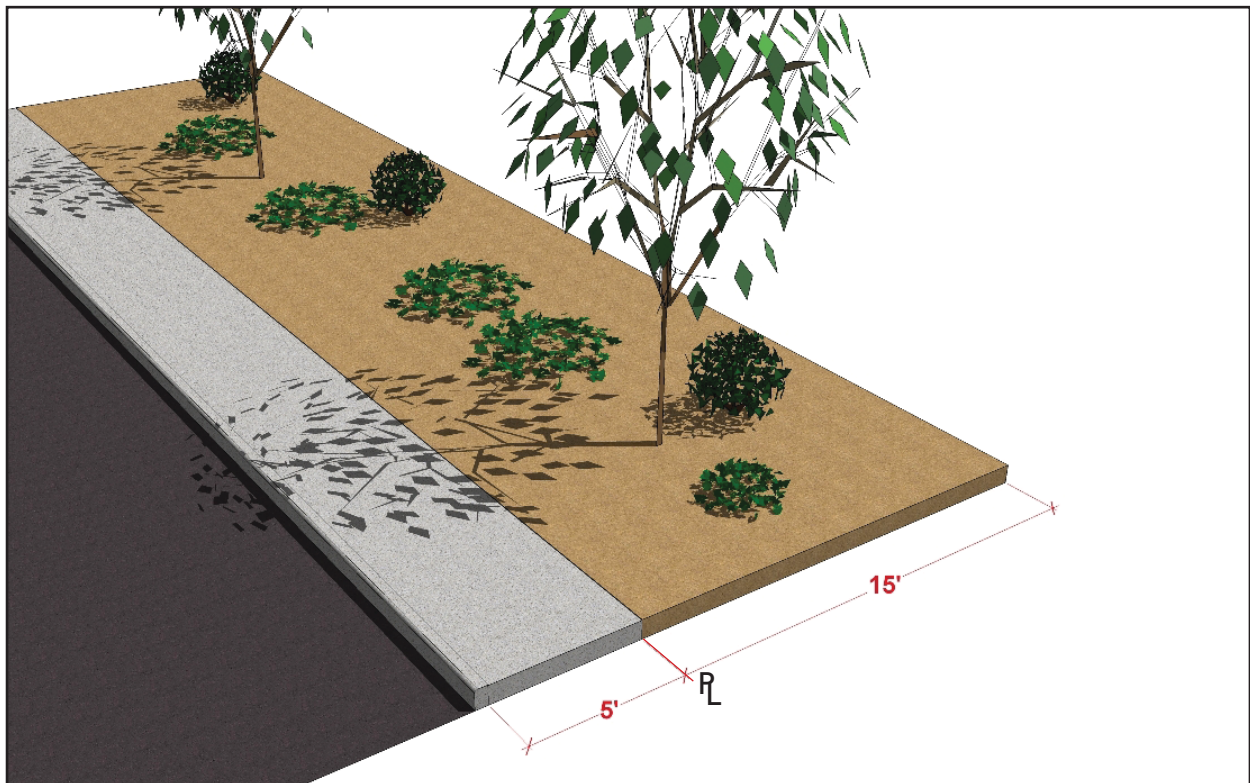
⁶² See Note 50.

Figure 2: Arterial Streetscape (Adjacent Commercial Use Shown)



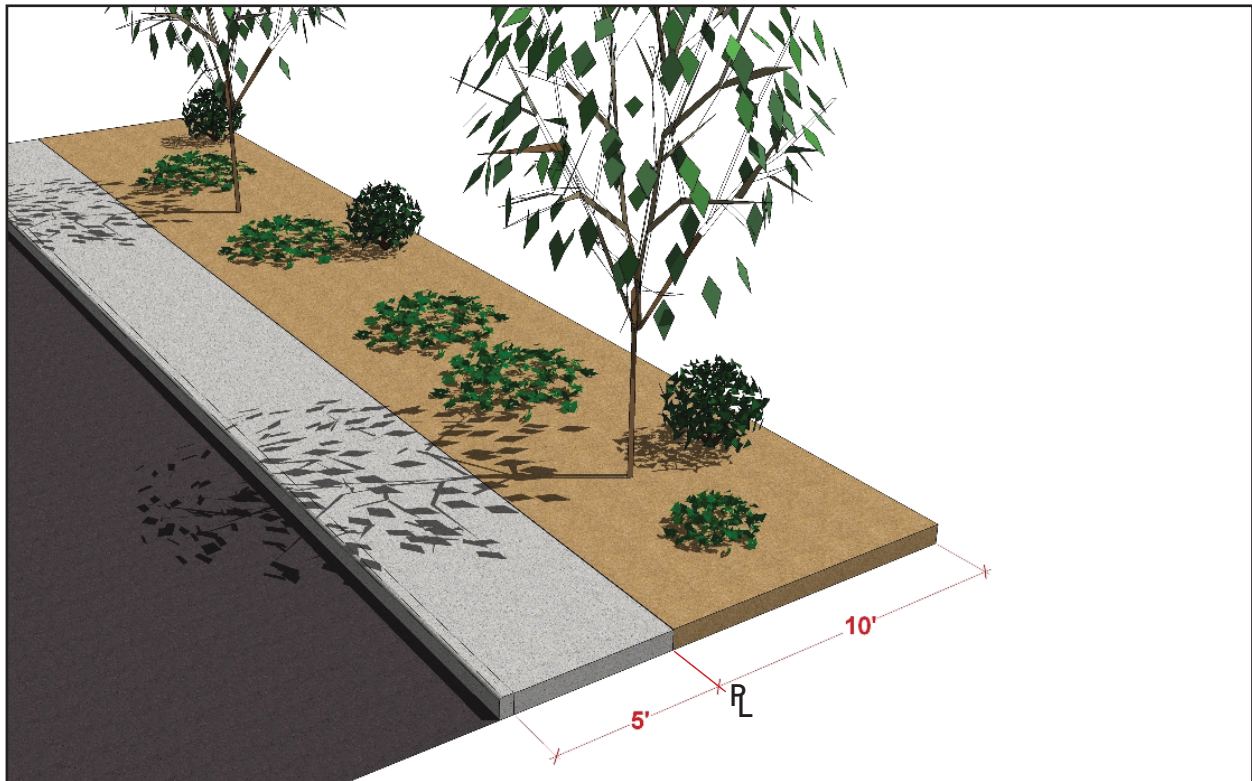
NOTE: Drawings are representative of current landscape buffering requirements and may not reflect actual streetscape design.

Figure 3: Commercial/Industrial Streetscape



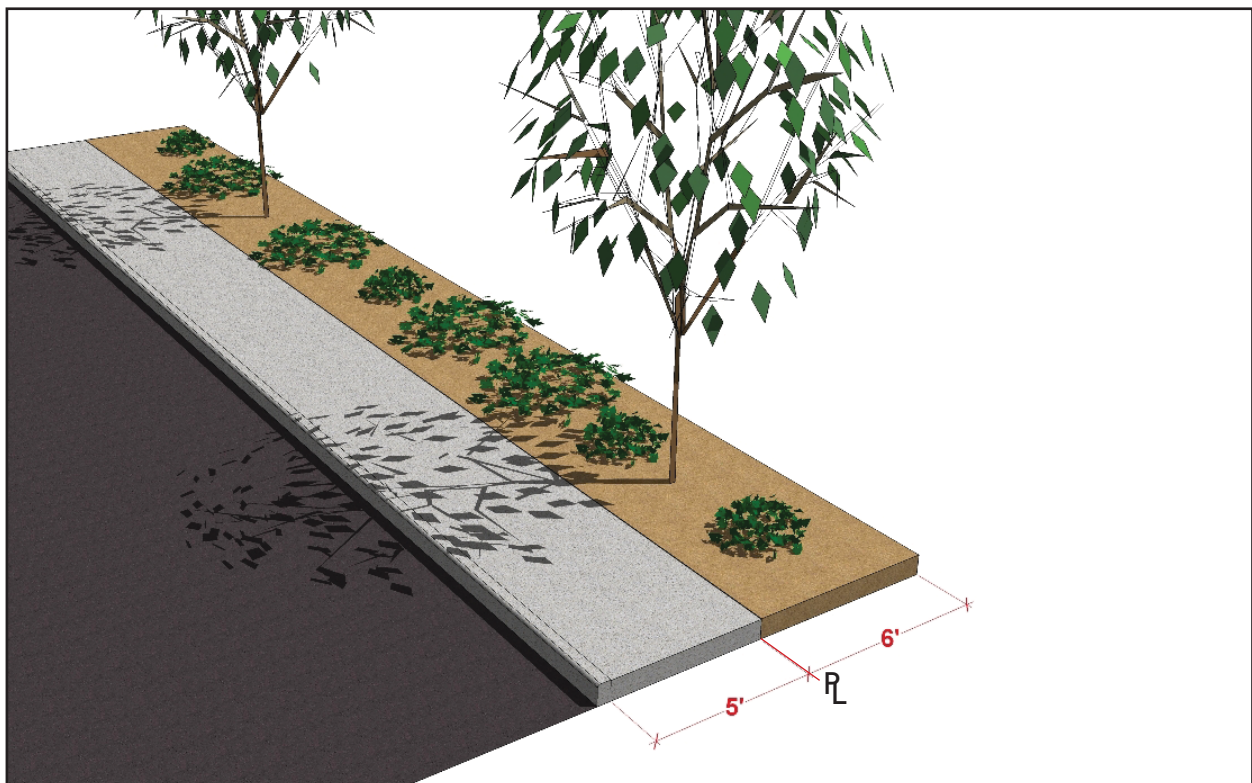
NOTE: Drawings are representative of current landscape buffering requirements and may not reflect actual streetscape design.

Figure 4: Residential Multi-Family Streetscape



NOTE: Drawings are representative of current landscape buffering requirements and may not reflect actual streetscape design.

Figure 5: Residential Single Family Streetscape (Collector or Greater)



NOTE: Drawings are representative of current landscape buffering requirements and may not reflect actual streetscape design.

BUILDING SETBACKS

Building line setbacks within the city of Las Vegas are primarily determined by zoning district or by the Master Developer of a planned community within a development agreement. Title 19 of the Las Vegas Municipal Code defines a setback as “the minimum required separation distance between the nearest portion of a structure and the lot line.”⁶³ Standardized zoning districts, such as those for rural single-family residential or commercial developments, have specific minimum distances behind which a structure must be built from the public right-of-way. In some cases, the front yard setback varies depending on whether the street is public or private, and whether a turnaround exists in front of the property. The front yard setback along collector streets may also vary depending on the height of adjacent buildings, as described in Title 19 of the Las Vegas Municipal Code.⁶⁴ These districts are listed below, with explanatory notes:

Table 8: Single Family Residential District Setback Standards

Standard	U	R-E	R-I	R-CL†	R-TH	R-MH
Min. Front Yard Setback (feet)	50*	50*	20	14	10**	20
Min. Corner Side Yard Setback (feet)	15	15	15	10	10	10

*The table denotes the front yard setback from a public street. In the case of a lot fronting on a private street or private access easement, the front yard setback is 30 feet from the edge of the private street or private access easement. Where such lots are located on a cul-de-sac or street knuckle, the front yard setback shall be 20 feet from the edge of the private street or private access easement. Structures having an attached, open porte cochere shall be set back a minimum of 30 feet from the front property line or the edge of the private street or private access easement, except where the setback is less restrictive.

**The table denotes that a porch, if provided, may encroach a maximum of five feet into the required setback area.

†Single Family Residential Compact-Lot (R-CL) District. The minimum front yard setback is 14 feet. However, the minimum front yard setback for attached front entry garage and carport structures is 16 feet for any lot located on a cul-de-sac bulb or street knuckle, and 18 feet in all other cases. The minimum side yard setback for a side yard along a street is 10 feet. The minimum combined width of both side yards for each lot is 10 feet.

Source: Las Vegas Municipal Code Chapter 19.06 See Note 50.

Table 9: Residential District Standards Other Than Single Family

Standard	R-2	R-3	R-4
Min. Front Yard Setback (feet)	20	20	10
Min. Corner Side Yard Setback (feet)	5	5	5

Source: Las Vegas Municipal Code Chapter 19.06 See Note 50.

Table 10: Commercial and Industrial Setback Standards

Standard	P-O	O	C-I	C-2	C-PB	C-M	M†
Min. Front Yard Setback (feet)	20	25	10	10	20	10	10
Min. Corner Side Yard Setback (feet)	15	15	15	15	20	10	10

†Where a property in an Industrial (M) District is adjacent to, or across the street from, a residential district, the minimum setback from the property line or street right-of-way line shall be 50 feet.

Source: Las Vegas Municipal Code Chapter 19.08 See Note 50.

⁶³ Las Vegas Municipal Code, Section 19.18.020. See Note 50.

⁶⁴ See Note 50.

Some special planning areas of the city contain separate setback requirements, or may leave those requirements to the discretion of the City Council. Although lots are located within general zoning districts, all structures in the Downtown Centennial Plan District are exempt from the automatic application of required setbacks.⁶⁵

Setback standards for existing residential planned developments were suggested by the developer and approved by the City Council as part of a Site Development Plan Review. They considered whether a vehicle will be parked full-time within a garage or part-time in a driveway, the narrowness of the street, or the particular feel of the neighborhood. For example, a neotraditional neighborhood may contain staggered setbacks or narrow setbacks to give visual interest to the street.

STREET NAMING AND NUMBERING

City of Las Vegas Ordinance 3744, adopted on October 20, 1993, amended Title 13.28 of the Municipal Code to re-adopt guidelines and requirements concerning the naming of streets and assignment of addresses within the city limits. The regulations were developed through the combined efforts of the city of Las Vegas, Clark County, Henderson, North Las Vegas, Boulder City, the U.S. Postal Service, and others. A separate document titled *City of Las Vegas Street Naming and Address Assignment Regulations*, 1993 Edition was adopted as part of Ordinance 3744. That document has since been updated by City of Las Vegas Ordinance 6052, adopted on August 5th, 2009 and is now referred to as *City of Las Vegas Street Naming and Address Assignment Regulations, 2009 Edition*. A properly standardized, maintained, accurate, and consistent address system is an essential tool that is vital to the operations of fire, police, and other service entities. It is critical for the addressing of parcels and buildings to be done methodically, sequentially, and follow a set of standards.

STREET NAMING

Street names are used to identify all public and private streets. The city reviews and takes action regarding proposed street names and actively works with other government entities in the Las Vegas Valley to coordinate street names. Specific requirements for street naming are contained within the *City of Las Vegas Street Naming and Address Assignment Regulations, 2009 Edition*, referenced by Section 19.04.050⁶⁶ of the Municipal Code.

⁶⁵ Las Vegas Municipal Code, Chapter 19.10. See Note 50.

⁶⁶ See Note 50.

ADDRESS NUMBERING

The intersection of Main and Fremont Streets is the initial point of prefix/suffix and address number assignment to all blocks, lots, and buildings in the city. This intersection is called the point of origin. All east-west streets that intersect Main Street are given a prefix/affix of “east” or “west” accordingly. The same applies to all north-south streets which intersect Fremont Street, with each given a prefix/affix of “north” or “south.” All other streets that do not cross either Main or Fremont Streets or the zero lines do not obtain a prefix/affix before the street name.

The street numbering system is conducted by block ranges and counted progressively by one hundred. The first block on either side of Main and Fremont Streets has an address range of 0-99. The second block has a range of 100-199, and so on. Individual addresses will fall within their respective block ranges so that the further away from the point of origin, the higher the block range and addresses. Also, addresses on east-west streets are to be issued an even address number if located on the north side of the street and an odd number if located on the south side of the street. Likewise, addresses on north-south streets are to be issued an even number if located on the east side of the street and an odd number if located on the west side of the street. Exceptions are considered in parts of the city where historical addresses were assigned that contradict the adopted address numbering system, in accordance with the ordinance. The Planning & Development Department is responsible for assignment of all addresses in the city.

In order to maintain a consistent numbering grid throughout the city the zero line must shift to alignments other than Main and Fremont Streets. The city’s Municipal Code specifies the alignments along which the zero line shall be located.

MULTI-FAMILY RESIDENTIAL ADDRESSING

All multi-family residential developments are assigned a single address corresponding to the appropriate hundred blocks as described above. This address is considered the master site address. In general, a multi-family residential address will contain the master site address, building number, and unit number to create a unique address. The *City of Las Vegas Street Naming and Address Assignment Regulations, 2009 Edition* contains the specific address requirements for multi-family developments.

NON-RESIDENTIAL ADDRESSING

All non-residential developments are assigned a single address corresponding to the appropriate hundred blocks as described above. This address is the master site address if there is only one building on the site. For developments with mul-



multiple buildings, the primary entrance of the site receives a master site address and each building within the development receives a unique building address. The *City of Las Vegas Street Naming and Address Assignment Regulations, 2009 Edition* contains the specific address requirements for non-residential developments.

STREET AND ADDRESS CHANGES

The procedure by which a petitioner may change the name of any street is detailed in Title 19.16⁶⁷ of the Las Vegas Municipal Code. The City Council may approve a name change if the change is in the best interest of the public and no person will be materially injured.

At the request of the property owner or developer, the city may grant the approval of an address change. However, the proposed address change must not conflict with the addressing system, unless a variance is approved by the Planning Commission or City Council.

Property owners do not have vested rights to street names and numbers, even if the address has been used for many years. When the city finds inconsistencies, and the Director of Planning or designee determines a correction is needed, the property owner will be notified that a change may occur.

TRAFFIC MEASUREMENT AND MANAGEMENT

ANNUAL AVERAGE DAILY TRAFFIC (AADT)

One statistic used by transportation engineers and planners to measure the volume of traffic on area roadways is known as Annual Average Daily Traffic, or AADT. This measurement is found by calculating the total volume of traffic in both directions of a street or highway for a year, divided by 365 days. AADT is commonly used to calculate the design traffic load for roads as well as uses in pavement design. As a road network management tool, AADT can help road authorities assess the current usage of a particular street road and assign a street to its proper functional classification. This measurement also allows authorities to assess whether the majority of the vehicular traffic is using the intended route through a particular area or whether motorists are cutting through local streets to avoid congestion on major roads. Area-Wide Major Projects, which, according to the RTC, are those that have an existing AADT of at least 40,000 and a 10-year projected AADT volume of at least 60,000, or are part of I-15, US 95, I-515, Summerlin Parkway, Super Arterials or the Las Vegas Beltway/I-215, including interchanges and grade separations on roadways with at least 100-foot rights-of-way, qualify for special funding through the yearly TIP.⁶⁸

⁶⁷ See Note 50.

⁶⁸ *RTC Policies and Procedures, September 19, 1980, Revised December 13, 2007, p.66.*

Maps 7A through 7C show the volume of major arterial streets within the city limits. The maps show two kinds of traffic data. The “24-hour counts” refer to the number of vehicles that pass a given point in a 24-hour period. “Turning Movement Counts” uses a mathematical formula to scale the number of vehicles turning onto the cross street at a given intersection during peak traffic hours. The turning movements indicate where volumes are increasing and the origin of congestion. The Traffic Engineering Division’s traffic count program obtains traffic counts within the city as part of traffic signal warrant studies, stop sign warrant studies, intersection studies, and similar traffic projects that are carried out throughout a given year. The goal of the program is to keep count data that is less than three years old for all major intersections so that staff can monitor, plan for, and deploy traffic improvements as necessary. At some high growth locations, counts are obtained even more frequently. Analysis of the data indicates that the most consistently heavy volumes are along Charleston Boulevard and Sahara Avenue. Rainbow Boulevard has an especially high volume between Sahara Avenue and US 95.

The Department of Public Works, Traffic Engineering Division has recently prepared the Intersections Program Master Plan, which evaluates the level of service at each of the city’s top 200 highest traffic volume intersections. By monitoring traffic activity, engineers can determine which intersections need the most urgent improvements and budget accordingly. These improvements aim to reduce congestion, reduce vehicle and pedestrian conflicts, improve traffic flow and reduce air pollution related to vehicle emissions.

VEHICLE MILES TRAVELED (VMT) AND CAPACITY

Another data type used in traffic analysis is Vehicle Miles Traveled (VMT), which measures the number of miles traveled on a given roadway for a given period of time. It is a principal indicator of travel demand and is essential in the analysis of roadway improvements.

An important goal of transportation planning is to reduce overall VMT. Problems caused by automobile traffic increases include worsening air quality, congestion, higher accident risk, and expenditures for increasing roadway capacity in the circulatory network. The local solution to this problem in the short term has been to increase roadway capacity, since traffic demand is steadily growing and efforts to encourage voluntary reduction of vehicle travel have not sufficiently reduced congestion. Capacity is defined as the maximum number of vehicles that can pass over a given segment of a road in a given time period under current conditions. Increasing capacity is achieved by constructing additional lanes.



A study commissioned by the RTC to evaluate options for decreasing congestion on Rainbow Boulevard between US 95 and Desert Inn Road, and on Desert Inn Road from Rainbow Boulevard east to Valley View Boulevard was completed in April 2008. Public comment on the study closed on January 18, 2008. The study examined both short-term and long-term solutions to the traffic congestion in both corridors. Short-term improvements proposed included the installation of an additional lane on Rainbow Boulevard between Sahara Avenue and Desert Inn Road, installation and or lengthening of existing turn lanes at the major intersections, and the addition of turn-out areas for buses to reduce traffic obstruction. On Rainbow Boulevard within the city limits, long-term improvements could include overpasses at Sahara Avenue and Charleston Boulevard that would allow drivers to bypass those intersections. Access to businesses and residential areas would be maintained by keeping at-grade travel lanes open at those intersections. Also, bicycle and pedestrian bridges could be developed to preserve neighborhood connectivity. The study was heard by the RTC's Executive Advisory Committee and was rejected due to strong public opposition.⁶⁹

NDOT's I-15 North Design-Build Project, scheduled to conclude by February 2010, also aims to reduce congestion and improve traffic flow between the Spaghetti Bowl and Craig Road interchanges by increasing capacity. Improvements include expanding the freeway from six to ten lanes and reconstructing the ramps at each interchange, with new overpasses planned at Bonanza Road, D Street and Washington Avenue. An Intelligent Transportation System (ITS) will be implemented along this stretch to monitor the flow of traffic. Ramp meters, closed-circuit cameras and message signs will be used.⁷⁰

NDOT commissioned another study to improve circulation on I-515/US 95 between I-15 and I-215. The entire project, projected to cost more than \$1 billion, includes adding new lanes, new connections between I-515/US 95 and I-15, new interchanges at F Street and Sahara Avenue, and surface street widening.⁷¹

Another NDOT project, Project Neon, has been proposed as a response to the increasing congestion on I-15 near downtown Las Vegas. Improvements will span the segment of I-15 between the US 95 and Sahara Avenue interchanges and include reconstruction of the Charleston Boulevard interchange, a new access to Alta Drive, and a flyover connecting Martin Luther King

⁶⁹ RTC, *Rainbow Boulevard-Desert Inn Road Corridors Study*, retrieved from www.rtcsonthernnevada.com/mpo/plansstudies/rainbow/index.cfm.

⁷⁰ NDOT, *I-15 North Design-Build Project*, retrieved from www.i15project.com/.

⁷¹ Retrieved from www.i515study.com/recommendedalternatives.htm.

Boulevard with Industrial Road.⁷² According to NDOT's Project Neon project manager, funding is secured to move the project forward to the 35 percent design phase.

The I-15 Resort Corridor Study is an extensive review of the freeways and major east-west arterial roads, as well as roads within the resort corridor between US 95 and I-215. Two of the ideas to increase capacity that have surfaced from the I-15 Resort Corridor Study Technical Advisory Group meetings are the use of HOV and/or managed (toll) lanes and improving Dean Martin Drive and Frank Sinatra Drive to function as frontage roads within the Resort Corridor. Additionally, improving modal choice via rapid transit bus routes with minimal stops has been identified as a way to help increase capacity. The study began in September 2007 and is expected to be completed by March 2009.

The study partners expect that the following goals will be achieved:

- “[Development of] a phased implementation strategy for future improvements to I-15 in the resort corridor area in addition to currently planned improvements.
- [Preparation of] an early action plan for near-term improvements to enhance mobility and operations.
- [Development of] additional measures to enhance access and mobility within the resort corridor.”⁷³

Another long-term transportation study, the Sheep Mountain Parkway Environmental Impact Statement Coordination Plan and Feasibility Study, is underway in the northern reaches of the Las Vegas Valley. The city of Las Vegas, in cooperation with the Federal Highway Administration, city of North Las Vegas, Clark County, the RTC, BLM, United States Department of Defense, and NDOT, is proposing the acquisition and preservation of a right-of-way corridor north of the Bruce Woodbury Beltway and west of I-15 that would connect the Beltway to both I-15 and US 95. The northern portion of the Las Vegas Valley is expected to have significant population growth, and future development stemming from the expected sale of federal lands will generate considerable transportation demands. One element of the Sheep Mountain Parkway project will be the feasibility study of a multi-modal transportation corridor that would include HOV lanes, light rail and bicycle/pedestrian facilities with landscaped buffer zones and frontage roads. The scoping process that began in May 2008 will culminate with the completion of an environmental impact statement (EIS) by February 2010 and the anticipated approval of the EIS by May 2010.⁷⁴ Construction may not occur for many more years into the future.

⁷² NDOT, “Major Current and Future NDOT Projects in Southern Nevada,” Press Release of April 13, 2005, retrieved from www.nevadadot.com/news/Press_Release/releases.

⁷³ Retrieved from www.i15resortcorridorstudy.com.

⁷⁴ Parsons Brinckerhoff, Sheep Mountain Parkway Environmental Impact Statement Draft Coordination Plan and Feasibility Study, April 1, 2008.

While increasing capacity is a necessary short-term solution to traffic congestion, taking steps to reduce the growth of VMT will be required over a period of many years to prevent congestion from worsening, beginning now.

In July 2007, the RTC approved the Downtown Traffic Capacity, Transit, and Parking Needs Study as a ten-year strategy to develop a more balanced multi-modal transportation system in downtown Las Vegas. This document develops a “street hierarchy” overlay on top of the traditional functional classification that emphasizes improvements such as bike lanes, transit lanes and pedestrian corridors typically associated with an urban core, while preserving or expanding capacity on certain arterial streets in and around downtown.⁷⁵ The study concludes that a certain level of congestion is acceptable for the sake of creating a more “livable” Downtown. This study was advisory only and was not adopted or accepted by the city.

Following on the heels of this study, the Las Vegas Downtown Pedestrian Circulation Study was accepted by the RTC on May 29, 2008. The goal of the study was to recommend ways to improve walkability downtown and attract pedestrians to the area. The study recommended that the city continue to implement Las Vegas Downtown Centennial Plan streetscape requirements, which mandate widened sidewalks, planters and landscaping themes for new projects. Pedestrian bridges were proposed as a way to reduce conflicts between vehicles and pedestrians and to increase the level of service at intersections where they are constructed. The study also recognized that major downtown transportation corridors, namely I-15, I-515/US 95 and the Union Pacific Railroad, are major barriers to pedestrian mobility to and from the study area, and recommended that planners coordinate with NDOT to address undercrossings and entry points so as to increase pedestrian access to the downtown. This study was accepted by the City Council on December 3, 2008.⁷⁶

INTELLIGENT TRANSPORTATION SYSTEMS (ITS)

Traffic congestion has been increasing in the Las Vegas Valley as a result of increased motorization, population growth and changes in population density. Congestion reduces efficiency of transportation infrastructure and increases travel time, air pollution and fuel consumption. Intelligent Transportation Systems (ITS) make use of advanced detection communications and computing technology to improve the safety and efficiency of our surface transportation network. ITS vary in technologies applied, from basic management systems such as traffic signal control systems, variable message signs, or speed cameras to more advanced applications such as parking guidance or weather information.

⁷⁵ Kimley-Horn and Associates, *Downtown Traffic Capacity, Transit, and Parking Needs Study*, p. iii. The overlays include a Traffic Emphasis, Transit Emphasis, Pedestrian and Streetscape Emphasis, and a Multi-Modal Emphasis.

⁷⁶ City of Las Vegas City Council Agenda Item 96 (DIR-29999).

The Freeway and Arterial System of Transportation (FAST) is an integrated Intelligent Transportation System in Southern Nevada. FAST has been under the jurisdiction of the RTC elected board since July 3, 2004. Transportation strategies are set by the Operations Management Committee (OMC), consisting of the RTC, city of Las Vegas, Clark County, NDOT, City of Henderson and City of North Las Vegas.

There are two major areas that make up the FAST system: the Arterial Management Section, which includes all arterial streets and roadways; and the Freeway Management System, which includes the freeway network. Currently, the Las Vegas Valley uses dynamic message signs, traffic cameras, ramp meters, and traffic signal timing plans to help reduce congestion, air pollution, and fuel consumption. As of April 2008, the Las Vegas Valley has 20 dynamic message signs. Dynamic message signs are electronic sign boards used to display information. These signs are connected to the FAST Traffic Management System through a fiber optic communication network. The signs are able to place messages to alert drivers of an accident ahead, ramp or lane restrictions, and upcoming construction. Another method of managing traffic utilized by FAST is through ramp meters. Ramp meters are important traffic management techniques designed to keep traffic flowing on the freeways and help to reduce accidents. If cars enter the freeway in a spaced, controlled manner, they merge more easily and with less disruption to mainline traffic.

Incident Management Cameras (IMCs) were installed to assist in responding to reported incidents more effectively and efficiently, while modifying traffic signal timing. The cameras produce images to monitor and view traffic at signalized locations, freeway facilities, and high volume mid-block settings. There are a total of 49 IMCs throughout the Las Vegas Valley. Of those, 12 are for freeway assistance and the remaining 37 are for arterial assistance. Traffic signal timing adjustments have been completed for early mornings, mid-days, evenings and weekends for nearly 40 corridors in the region, including the Downtown Las Vegas grid. Retiming in several corridors has resulted in improvements in delay time and travel speed. The city of Las Vegas is responsible for maintaining the equipment and power for traffic signals, while FAST is responsible for timing and traffic synchronization. There are about 1,200 traffic signals throughout the Las Vegas Valley that are on the network and able to be remotely controlled. More are coming online regularly as FAST works with area agencies to install fiber optics and upgraded signal controllers across the Las Vegas Valley.⁷⁷

⁷⁷ RTC, retrieved from www.nvfast.org.

EXISTING MASS TRANSIT AND FREIGHT MOVEMENT

FIXED-ROUTE TRANSIT

The fixed route transit services currently available in the City include the Citizens Area Transit (CAT), Metropolitan Area Express (MAX), Las Vegas Deuce, and the Las Vegas Strip Trolley. Please refer to the Las Vegas Transit Element for a more detailed description of each transit service. The RTC is currently constructing a new bus rapid transit service called ACE. This system will feature dedicated lanes for bus transit and fewer stops. ACE will connect downtown Las Vegas to the Las Vegas Convention Center, the Strip, Henderson and North Las Vegas. The Downtown Connector line, which includes a route along Paradise Road, St. Louis Avenue, Main Street, Imperial Avenue, Third Street, Casino Center Boulevard, Odgen Avenue and Grand Central Parkway, is currently under construction. The Strip & Downtown Express has been completed and future rapid transit lines are being planned.⁷⁸ Center-running transit lanes and mid-street stations are planned so as to allow for potential conversion to rail service.⁷⁹ With fewer stops, amenities such as wireless internet availability, and a route that parallels Las Vegas' world-class attractions, the RTC expects ACE to define the future of transit in Las Vegas.

RAIL TRANSPORT

There are two kinds of rail transport to and from Las Vegas: passenger and freight. Currently rail services are limited; however, the potential for future expansion is good, given the population base and demand for products.

The Nevada Department of Transportation's 2002 statewide transportation plan (NevPLAN) identifies the "Desert Wind" passenger rail route as defunct. This route, which ran between Los Angeles and Chicago with a stop at Las Vegas, was discontinued in 1996 as a result of budget cuts by the National Railroad Passenger Corporation (Amtrak).⁸⁰ Currently, the only rail service available to Las Vegas passengers is the Las Vegas Monorail.

Rail freight service in the Las Vegas area is provided by Union Pacific. The Union Pacific Railroad is Nevada's dominant Class I railroad, with annual revenues exceeding \$250 million.⁸¹ Freight generally consists of transcontinental shipments passing through Nevada, locally manufactured goods, raw materials for local consumption, and goods that are unloaded in Las Vegas to be trucked to nearby locations.⁸²

⁷⁸ RTC, *ACE Project Update*, retrieved from www.rtcsonthernnevada.com.

⁷⁹ *Las Vegas 2020 Master Plan, Transit Element* (Feb. 20, 2008), p. 42.

⁸⁰ Nevada Department of Transportation, *Statewide Transportation Plan (NevPLAN)* (Nov. 14, 2002), p. 43.

⁸¹ NevPLAN, p. 41.

⁸² RTC, *Regional Transportation Plan Fiscal Year 2006-2030*, p. 2-47.

The Burlington Northern and Santa Fe Railway is the only other Class I hauling railroad in Nevada. According to the BNSF rail map published in November 2007 on the BNSF website, the Burlington Northern and Santa Fe does not operate a route within the Las Vegas Valley.

Short line (Class III) railroads are not located in the Las Vegas area but do exist elsewhere in the state. These include local short-haul freight operators and switching and terminal companies.



ANALYSIS

LINK BETWEEN TRANSPORTATION AND LAND USE

Transportation and land use planning are interrelated. They have many direct and indirect effects on each other within the community. Given this relationship, it is sound practice to approach transportation and land use planning efforts complementarily rather than independently. This ensures that transportation systems do not contradict current and future land use planning efforts, and that land use planning does not impede implementation of the transportation system.

Transportation planning should provide for a circulation system that reflects both existing and proposed land use patterns within the city. Generally, those in urbanized areas are more likely to use alternative modes of transportation such as bikes and mass transit, while those living in suburban and rural areas are more automobile dependent, due to a lack of travel options and longer travel distances. Land use is often significantly influenced by the degree of accessibility to adjacent transportation systems, which can dictate the future development of a particular area. For example, industrial and intense commercial uses typically require vehicular access to highways and/or arterials, and dense, mixed-use developments located in the urban core are best suited for mass transit and other multi-modal transportation options. Higher density residential land uses should therefore be located on major arterial roads in order to facilitate transit. In older areas of the city, the presence of transportation alternatives can spur redevelopment. The Southern Nevada Regional Planning Coalition's Infill Development Plan recognized that the areas where pedestrian activity and transit ridership are concentrated are where infill development is most likely to be successful.⁸³ Therefore, that plan recommended that individual entities adopt flexible land use, parking and other zoning standards in some areas to promote compatible infill development.⁸⁴

In addition to high-density residential uses, a greater concentration of professional offices with higher floor area ratios should also be located along arterial roads. This will provide more transportation options for those living in denser developments. A sustainable development pattern along major streets might include clusters of retail uses in proximity to available transit, integrated with high density residential uses or located within a short walking distance of existing residences.

⁸³ Southern Nevada Regional Planning Coalition, *Infill Development Plan* (Nov. 21, 2002), p. 17.

⁸⁴ *Ibid.*, p. 46.

As a matter of policy, the city's Master Plan strives to support both "urban hubs at the intersections of primary roads, containing a mix of residential, commercial and office uses"⁸⁵ for redeveloping areas, and "urban hubs at the intersections of primary roads, containing a mix of high density residential, commercial and office uses, and containing pedestrian linkages"⁸⁶ for newly developing areas. The city has a number of tools it can use to create incentives for developers to build these hubs: form-based code, relaxation of zoning code requirements and standards, fee waivers and expediting of permits, subsidies for infrastructure financing, tax abatement strategies (including tax-increment financing) and the establishment of a formal set of mixed-use development standards.

Providing for today while ensuring that tomorrow's needs will be met is becoming an economic, social and environmental reality. There is a growing concern that greenhouse gases from pollution sources will lead to climate change on a global scale, affecting natural resources and quality of life. The automobile contributes a significant portion of human-generated pollutants to the atmosphere. In 2007 ULI published *Growing Cooler*, which uses extensive data to hypothesize that Smart Growth policies will lead to a reduction in the growth rate of VMT. This rate reduction will have the most significant impact on meeting target CO₂ emission levels. The authors liken transportation U.S. emissions reduction efforts to a three-legged stool. The legs consist of vehicle fuel economy, fuel hydrocarbon content, and VMT.⁸⁷ In order for the stool to stand upright and for the emissions policies to work, efforts to reduce VMT must be commensurate with the efforts to increase fuel efficiency and use alternative fuels. However, a combination of the projected increase in population, decrease in raw land and urban sprawl development patterns means that the U.S. will see sharp, unsustainable growth in VMT over time unless more citizens adopt alternative modes of transportation and drive less. Unless these changes are implemented in the short run, the benefits of more efficient, less polluting vehicles will be offset by the increase in the amount of driving in the long run.⁸⁸

Locating land uses that better serve the needs of the population closer to where they work and live may reduce the number and the distance of vehicle trips, resulting in congestion relief and a decrease in pollution from mobile sources. Multiple sources have suggested various ways to reduce VMT, including increasing fuel taxes, charging user fees for driving and parking, and establishing no-drive zones; however, the most palatable solution for many, with supporting statistics, appears to be the creation of more compact, walkable mixed-

⁸⁵ *Las Vegas 2020 Master Plan Policy Document (Sept. 6, 2000)*, pg. 42.

⁸⁶ *Ibid.*, p. 48.

⁸⁷ *Urban Land Institute, Growing Cooler (ULI, 2007)*, p. 2.

⁸⁸ *Ibid.*, p. 4.



use developments that are located within walking distance to services and mass transit hubs. The benefits of such developments include preservation of farm land and open space; protection of the amount and quality of water; greater opportunities for physical activity; reduction in infrastructure costs; and greater energy security as it relates to foreign trading of traditional fuels.⁸⁹

In order to contribute to VMT reduction, street design must consider and accommodate alternative modes of transportation. The design must be sensitive to the neighborhood where the street is located. For example, a high-speed, six-lane arterial should not be located within an urban context where foot traffic is desirable. Street design may also encourage alternative modes of transportation. In areas where compact developments are proposed, the Institute of Transportation Engineers recommends that streets should be designed with aesthetic and safety concerns in mind to accommodate and attract pedestrians and cyclists. Within rights-of-way, sidewalks and bike lanes should be provided. Sidewalk width should be appropriate to the function of adjacent land uses. Pedestrian amenities such as trash receptacles, decorative lighting, benches and plazas should be provided. Crosswalks at intersections should be highly visible, using alternative paving or eye-catching striping patterns, and they should extend from ADA-compliant ramps. Crossings in the middle of shorter blocks should be available to pedestrians; ideally, these crossings will be signed, contain a median, and bridge curb extensions on both sides of the street.⁹⁰ Roundabouts and traffic mini-circles are other design features friendly to pedestrians and cyclists that are especially effective on local streets, while helping to keep automobile traffic flowing efficiently.

The American Association of State Highway and Transportation Officials has published a guide to assist planners and engineers in designing and developing bicycle facilities. Roadway design affects the level of use, skill level and the level of access and mobility of the cyclist; therefore, the design of bicycle facilities has significant implications for the rate of reduction of VMT. In general, bicycle facilities should be planned to provide continuity with the transportation system and consistency across all user groups.⁹¹ Paved shoulders, increased lane widths, smooth paving surfaces, and dedicated bicycle lanes are all recommended during the roadway design phase.

⁸⁹ *Ibid.*, p. 10.

⁹⁰ See ITE, *Context Sensitive Solutions in Designing Major Urban Thoroughfares for Walkable Communities* (Washington, DC: ITE, 2006), p. 56, pp. 103-108, and pp. 118-124 for specific principles and considerations for proper design and placement of amenities and crossings.

⁹¹ American Association of State Highway and Transportation Officials (AASHTO), *Guide For the Development of Bicycle Facilities* (Washington, DC: AASHTO, 1999), pp. 6-7.

Since land use and transportation are interrelated, land use planners should know what planning solutions are being developed to counter transportation issues. In the same way, traffic engineers should be aware of land use solutions to complement engineering solutions. The various regional working groups that monitor and establish solutions for worsening transportation conditions in the Las Vegas Valley allow both sides to work on continuing transportation issues and maintain working relationships across jurisdictional boundaries. Involving the Planning & Development Department in these working groups is important because the land use component of transportation planning is brought to the table.

The city participates on the RTC's Executive Advisory and Utility Coordination Committees; Metropolitan Planning, Operations and Specifications Subcommittees; and the Alternative Mode Work Group. In addition, the Planning & Development Department participates on the I-15 Corridor Study and Sheep Mountain Parkway Study committees.

TRANSPORTATION PLANNING AND EMPLOYMENT

Once the center of gaming and commerce for the city, downtown Las Vegas now functions primarily as a governmental, office and financial area. In recent years, several developers have planned and built high-rise, mixed-use centers with ground floor retail and hundreds of condominium units above. These developments reduce dependence on the automobile, which in turn could mean fewer vehicle miles traveled, less air pollution and a shorter commuting time. It may also help to restore a sense of attachment to the history and uniqueness of the Downtown.

However, not everyone can afford housing Downtown, nor is it every citizen's preference to live in a dense, urban setting. Persons must travel varying distances to work each day. As the Las Vegas metropolitan area spread ever further into the desert, commute times increased, congestion increased, air pollution increased, and the capital budget for new roads increased. In theory, the closer the number of jobs a particular area is to the amount of housing for employees, the more optimal the transportation condition will be. A "jobs-housing ratio" compares the labor market statistics for a particular area to the available housing stock in that area and is one indicator of the frequency of automobile usage.

Once the jobs-housing ratio moves away from the equilibrium of one job per housing unit, balance is once again achieved either by means of the free markets or through gov-



ernment action. Housing is usually constructed on the cheapest available land, which is located away from city centers. Either the jobs must migrate to the periphery or more housing must be built in the urban core.

There are other considerations. The American Planning Association's Policy Guide on Housing recognizes:

The location of housing determines the public schools your children can attend. Education continues to be the primary vehicle for upward socioeconomic mobility and for escaping the growing, permanent underclass that drains so many resources from our economy. The location of housing determines access to jobs. People who cannot live within a reasonable commuting distance of where jobs are become candidates for under-employment or unemployment. The location of housing determines the safety of the family and the security of the home. The location of housing determines how much it will appreciate in value.⁹²

The jobs-housing calculation does not take into account the type of occupation, only the number of jobs. For example, there may be plentiful industrial jobs in one part of the city, but the housing in that area may be full of non-skilled workers. A mix of job types in the area would remedy this problem. According to the 2006-2030 Regional Transportation Plan, there was an average of 0.78 dwelling units for every one job in the Las Vegas Valley in 2005.⁹³ An average closer to one would indicate the approach of an absolute balance of jobs and housing. The data indicate that significant portions of the Valley contain more housing stock than jobs, implying that more vehicle miles are logged in commuting to and from work. The few areas of balance in the city included portions of Summerlin, the Town Center area, and east of US 95 near the Charleston Curve.⁹⁴ A more recent regional study was completed in May 2008 showing an average of 0.90 dwelling units per job in the city of Las Vegas as compared to a 1.2:1 ratio for all of Clark County.⁹⁵ Since the ratio for Clark County is considered to be in the range of jobs-housing balance, the figure suggests that the city is moving closer to the target. The study speculated that an increase in mixed use developments and strategies to provide workforce housing may be responsible for equalizing the number of housing units per job.

From a purely economic perspective, transportation by personal vehicle incurs numerous costs such as delay due to

⁹² American Planning Association, *Policy Guide on Housing*, April 25, 1999.

⁹³ RTC, *Regional Transportation Plan, Fiscal Year 2006-2030*, p. 2-6. Job and housing data were collected from Las Vegas Valley traffic analysis zones.

⁹⁴ *Ibid.*

⁹⁵ Restrepo Consulting Group, *Southern Nevada Jobs-Housing Balance Study* (May 26, 2008), p. 1-2.

congestion, fuel consumption, air pollution, and the need for additional roadway capacity, all of which are not immediately borne by the driver of the vehicle. It has been theorized that the demand for transportation outstrips the supply of roads (thereby causing congestion) because people do not have to pay for these costs. “Value pricing” or “congestion pricing” has been suggested as a way to reduce this congestion. By levying fees upon the driver up to what the driver would be willing to pay, the driver would only use roads if the benefit of doing so outweighs or is commensurate with the costs. Pricing is an option for the Valley’s public sector to consider for future implementation; however, the culture of Las Vegas traditionally has not accepted paying for services that have been previously perceived as “free.” The reticence to pay for the costs associated with parking is an example of this culture.

Future development policies should be sensitive to changes in economic health and public opinion, rather than imposing a rigid vision to implement detailed outcomes. In addition to this flexibility, they should be sufficiently forward-looking to project how development will affect not just growth and circulation in the city, but also that of the region.

There are no easy solutions that will create a balance between where people live and where they work. What is known, however, is the fact that any development that requires less infrastructure as a result of balance is to the benefit of both the public and private sectors. Creating a more balanced jobs-housing mix with high-density, mixed-use developments in close proximity to higher floor area ratio office buildings and retail nodes is important because it will provide for a more vibrant and interactive community in which people can support locally owned businesses, thereby benefiting the local economy. Adding residential units on top of a retail strip may not be a guarantee of improving the urban setting or creating real value. Creating an “omni-use”⁹⁶ such as Union Park that integrates theaters, residential, office, retail, hotels, open space and similar development may be a more stable approach because these developments are not single-asset dependent. This strengthens their ability to weather a struggling economic climate.

Creating these “omni-use” developments could be important for the city of Las Vegas in implementing its sustainability initiative. By creating developments supported by transit lines that provide a greater jobs-housing balance, the city may be able to meet its goals of reducing VMT.

⁹⁶ See Keith Ray, “Mixed-Use Isn’t Enough: ‘Omni-Use’ Cores Enliven the Metropolis,” *Planetizen* (June 16, 2008), Retrieved from www.planetizen.com/node/33476.



A MULTI-MODAL APPROACH TO TRANSPORTATION PLANNING

One of the greatest threats to the sustainability of urban and suburban municipalities is an automobile-dominated land-use. Multi-modal transportation planning seeks to counteract this threat by utilizing a non-mode-specific approach to transportation planning that integrates and balances all means of mobility. It is a hybrid form of planning that synthesizes components of transportation, social, land-use and environmental planning within the decision making process. All modes of mobility are given consideration in this form of transportation planning.

A multi-modal approach offers several choices ranging from a variety of transit alternatives to pedestrian walkways. Currently the private automobile is the preferred mode of transportation in Las Vegas. A focus on alternatives to the automobile is needed in order to sustain quality of life and economic stability into the future. Appropriate areas of interest include:

Linking Transit to affordable housing. Transit and affordable housing share many of the same users; combining the two makes each more successful. If transit ridership rises, then more people can reach the workplace, earn a salary, and afford housing.

Implementing the city's Bicycle and Pedestrian Program. The city of Las Vegas' bicycle and pedestrian programs are part of a comprehensive network for commuters and recreational bicyclists. The city of Las Vegas recognizes the benefits of bicycling and recommends its use for commuting to work, errands, and recreation. Bicycling and walking provide many benefits such as improved health, less stress, and reductions in air pollution, traffic congestion and energy consumption. In addition, walking is free, bicycles are affordable and inexpensive to maintain, and riding a bicycle or walking may be preferred to sitting in traffic on a congested roadway.

Implementing the city's multi-use trail system. The Las Vegas Multi-Use Trail System accommodates a variety of recreation and fitness-related activities while enhancing opportunities for non-motorized travel. The trail system serves as the basis for a pedestrian, cycling or equestrian oriented network of interconnecting trails that link parks, neighborhoods, schools, government centers, community facilities, and workplaces. The trail system is a valuable outdoor recreation resource aimed at creating, enhancing, and sustaining the health and vitality of the Las Vegas community. Currently, more than 76 miles of



trails are complete and an additional 137 miles are proposed.⁹⁷ Please refer to the Transportation Trails Element and the Recreation Trails Element for more details on the Las Vegas trail system.

Congestion will continue to increase unless more emphasis is placed on alternative modes of transportation. However, as previously stated, transportation planning and land use planning do not exist in a vacuum; rather, they are interrelated and require coordination. The city of Las Vegas has increasingly been involved in efforts to integrate land use and transportation planning. The city's efforts in this area include planning for transit-oriented development (TOD), creating dedicated bicycle lanes, development of the ACE rapid transit system and making Downtown more pedestrian-friendly. Coordinating land uses and multi-modal transportation options is essential in order to reduce congestion on roads and create a more sustainable environment. Two conclusions can be drawn if land uses and multi-modal transportation are not coordinated. First, infrastructure costs will continue to increase, due to the high costs of extending infrastructure to newly developing areas. Second, traffic congestion will continue to increase unless creating a viable multi-modal transportation system is developed with land uses that support it.

AIR QUALITY

The air quality of an area is affected by the emission of pollutants and their interaction with sunlight, topography, and weather patterns. Pollutants are emitted by motor vehicle operation and a variety of other activities, including manufacturing, use of petroleum-based products like gasoline, and even small business activities such as dry cleaning. Sources of air pollutant emissions can be classified as stationary, area, or mobile sources. Stationary sources include relatively large, fixed facilities such as power plants, chemical process industries, and petroleum refineries. Area sources are small, stationary, non-transportation sources that collectively contribute to air pollution such as dry cleaners, gas stations, landfills, wastewater treatment plants, and others. Mobile sources include on-road vehicles such as cars, trucks, and buses; and off-road sources such as trains, ships, airplanes, boats, lawnmowers, and construction equipment.

The Clean Air Act (CAA), Title 23 and Title 49 of the United States Code require all transportation plans and programs to be evaluated for their conformity with the State Implementation Plan (SIP), the program for attainment of air quality standards. The CAA, adopted into federal law as Title 42 Section 7410 of the U.S. Code, details the different roles of the federal and state

⁹⁷ *City of Las Vegas, Planning and Development Department and Public Works Department data (Aug. 2007).*

governments. In general, the federal government develops the regulations and the states carry them out. The CAA identifies air pollutants and sets primary and secondary standards for each. The primary standard protects human health, and the secondary standard is based on potential environmental and property damage. An area that meets or exceeds the primary standard is called an attainment area; an area that does not meet the primary standard is called a non-attainment area. The main air pollutants covered by the CAA are ozone (O₃), sulfur dioxide (SO₂), particulate matter (dust), lead, nitrogen oxides (NO_x), and carbon monoxide (CO). The CAA includes specific limits, timelines, and procedures to reduce these pollutants. These limits are known as the National Ambient Air Quality Standards (NAAQS).

The main sources of air pollution in the Las Vegas Valley are particulate matter (from disturbed vacant land, unpaved roads, and construction activities), carbon monoxide (from mobile sources, stationary sources, and area sources) and ozone.⁹⁸ Further information on the city's role in controlling these sources, including maps, may be found in the Conservation Element of the Las Vegas 2020 Master Plan.

The Environmental Protection Agency classified the Las Vegas Valley as a serious nonattainment area for particulate matter (PM₁₀) in 1993 and for CO₂ in 1997.⁹⁹ However, the amount of CO₂ has not exceeded EPA standards from 1999 to the present. The number of exceedences decreased from over 40 per year in the 1980s to less than three per year in the late 1990s. The severity of violations has also decreased. SIPs are being implemented for reduction of both CO₂ and particulate matter in the Valley. The EPA also declared the Las Vegas Valley a basic nonattainment area for ozone in 2004, based on more stringent standards.¹⁰⁰ The rule classifying Clark County as a nonattainment area for ozone was vacated in December 2006 and remanded back to the EPA; a new rule is expected in 2009. At this time the 1997 standard, for which the Valley has now met, applies, and a maintenance plan may be required in 2010 for this standard.

Many types of federal-aid funding may be used to improve air quality. One type of funding, the Congestion Mitigation and Air Quality Improvement (CMAQ) program fund, is designated specifically for this purpose. Under the CMAQ program, NDOT receives funding based on the severity of pollution and their population in ozone and carbon monoxide nonattainment. NDOT can use CMAQ funds for transportation projects that reduce emissions in nonattainment and maintenance areas.

⁹⁸ Clark County, Nevada Department of Air Quality and Environmental Management (DAQEM), retrieved from www.accessclarkcounty.com/depts/daqem/aq/Pages/dust.aspx.

⁹⁹ *Ibid.*

¹⁰⁰ DAQEM, *Eight-Hour Ozone Early Progress Plan For Clark County, Nevada* (June 2008), p. 1-1.

Improved air quality in the Las Vegas Valley is the direct result of the State of Nevada and Clark County's implementation of controls to reduce emissions, as well as tighten federal motor vehicle emission standards. Key controls implemented by the state and county include wintertime gasoline rules, the vehicle inspection and maintenance program, an alternative fuel vehicle program, and voluntary rideshare programs.¹⁰¹

Continuing to implement transportation system management techniques to improve street capacity, alternate methods of circulation and an active program to reduce the number of single occupant vehicles on the roadway are important measures for Las Vegas' goal of clean air. The implementation of transportation demand management strategies in new development could have a significant impact on this reduction. Vehicle emissions reduction programs such as the use of reformulated gasoline or implementation of inspection and maintenance programs are helping the reduction in emissions. Ride sharing or use of transit, or transportation projects that reduce congestion, such as signal synchronization programs, can help Las Vegas meet emission reduction targets for on-road mobile sources. Currently, Clark County recognizes individuals or organizations for exemplary community behavior through adoption or continued use of state-of-the-art air quality management techniques, called the Crystal Air Award. Winners are recognized from four categories: construction; stationary sources; service and support industries; and vacant land management.¹⁰²

The city of Las Vegas Public Works Department continues to implement its Intersections Program Master Plan, which ranks congested intersections as a method of prioritizing funding for infrastructure improvements. Reduced air pollution related to vehicle emissions is one of the stated goals of this program.

One aspect of the air quality-transportation link that the city of Las Vegas can influence is the ability to create an urban forest. As part of the city's sustainability initiative, the Planning & Development Department has secured a \$40,000 grant from the Nevada Division of Forestry that is being matched with \$10,000 each from the city of Las Vegas and the SNWA, as well as SNWA sharing its \$150,000 high-resolution aerial photography to assist with an urban tree inventory within the city of Las Vegas.

An outgrowth of the sustainability initiative and the urban tree inventory will be an urban forestry program as identi-

¹⁰¹ *Ibid.*

¹⁰² Clark County, Nevada Press Release (Feb. 5, 2007), retrieved from www.accessclarkcounty.com/depts/daqem/aq/Pages/press.aspx.

fied in the Conservation Element.¹⁰³ On October 4, 2007, the City Council approved the establishment of a tree planting program. The City Council also adopted an urban forestry initiative with the goal of doubling the average tree canopy coverage to 18 percent by 2035 and the creation of an urban forestry management plan. Creating an urban forestry initiative with the goal of doubling the average tree canopy coverage will help mitigate pollutants from vehicles.

Another area by which the city of Las Vegas is mitigating air pollution is through conversion of its vehicle fleet. Currently, 90 percent of the city's vehicle fleet uses some form of alternative fuel or hybrid technology.

The city of Las Vegas, through its sustainability initiative, has started to implement strategies designed to reduce air pollution. While the efforts of the city are beneficial, an equally important aspect of making the city of Las Vegas more sustainable is developing land use patterns that support a wider variety of transportation options that will reduce single-occupant vehicle trips and encourage walking and transit use.

STREETSCAPING

Streetscapes are an important element of the design of an area, as they thematically tie together development in a way that is aesthetically pleasing and quickly identifiable. They are the public face to a neighborhood. Streetscapes place emphasis on the character of a street; therefore, a street in a rural residential area should have a much different look than a high-profile arterial. Streetscapes are practical as well – they serve to reduce traffic noise from adjacent buildings and lessen the effect of large expanses of pavement by breaking the public right-of-way down into smaller usable components.

Streetscapes in Las Vegas should be sensitive to the desert environment, utilizing drought-tolerant plantings and earth-tone colors. In addition to their aesthetic appeal, trees should provide shade for pedestrians on the adjacent paths. The city's urban forest initiative, in addition to providing a beneficial aspect to air pollution, will provide a more inviting atmosphere where the streetscape becomes an area of social interaction rather than simply a place for vehicles to gain entrance to a property.

A significant aspect to a well designed and aesthetically pleasing streetscape is the inclusion of street amenities such as benches and architecturally designed trash receptacles and the removal of utility boxes from the streetscape. To increase pedestrian safety, it is important to make the pedestrian visible to

¹⁰³ *Las Vegas 2020 Master Plan Conservation Element (Nov. 6, 2002), p. 92-96.*

motorists by eliminating or minimizing obstacles such as utility poles, signage, utility boxes or newspaper racks. Streetscape elements such as sidewalks, landscaping and amenities should all function together to create a pedestrian-friendly environment. Additionally, utility poles, signage, utility boxes, and newspaper racks detract from the visual character of a streetscape when they are not integrated into the streetscape with respect to the architecture of these appurtenances.

A safe route for pedestrians to access their destinations is important in the creation of an effective and inviting streetscape. In order to enhance the safety of Las Vegas streets for pedestrians, street crossings should be taken into consideration. Street crossing types such as crossing islands or center islands can be placed within the center of the street at midblock to help protect crossing pedestrians from motor vehicles. Curb extensions or bulb-outs that extend from the curb line out into the roadway are another form of street crossing that effectively narrow the street width. By narrowing the street width, curb extensions minimize pedestrians' crossing distance, increasing the visibility of the pedestrian and decreasing the speed of the motorist.¹⁰⁴

Generally, the current streetscape within the city of Las Vegas is not inviting for pedestrians because it does not create an interactive environment where social activities take place. Narrowing streets, the inclusion of mid-block crossings and separating the sidewalk from the curb with a landscape barrier are all necessary for creating an environment in which people will interact. In the Downtown area, the city is implementing these practices by requiring a streetscape that is walkable and inviting. The city has also created a Unified Development Code in order to help create a more inviting streetscape. The city's urban forest initiative and the recommendations and action items in this plan will create an inviting streetscape throughout the city of Las Vegas. Once the recommendations and action items in this plan are implemented, the city of Las Vegas will have a streetscape that allows people to walk safely and comfortably.

¹⁰⁴ *Pedestrian and Bicycle Information Center, retrieved from www.walkinginfo.org.*

IMPLEMENTATION

The Master Plan outlines a vision for the city's future that can only be implemented incrementally over time. The challenge of any long-range municipal plan is to remain relevant and useful throughout its life cycle. One of the main implementation tools for the master plan is the Capital Improvement Plan (CIP). The CIP is a fiscal and management tool the city uses to allocate its resources. A concentrated effort to coordinate capital improvement projects is necessary to ensure that long-range planning and budgeting are linked cohesively and efficiently. The city's capital improvements program contains funding based on a five-year horizon, which is updated annually. Projects approved through the CIP process represent the approved priority list for spending capital funds.

The recommendations below were developed from multiple levels of analysis detailed in previous sections of this element and are intended to be comprehensive. As a vision for the future, it is acknowledged that the Master Plan must be flexible and adjustments made periodically to adapt to changing political, economic, and social conditions. This element provides a comprehensive analysis of the transportation infrastructure and associated amenities within the city, and acts as a guide for decision makers to use when determining, prioritizing, and allocating resources for future projects. Recommendations and corresponding actions are provided below.

Action Item:	List the action necessary to carry out the policies of Transportation and Streets and Highway Element.
Responsible Party:	Identify the agency or department responsible for implementing the particular item.
Schedule:	Identify the targeted time frame for the initiation of the Implementation Item.

RECOMMENDATION 1: Improve consistency between transportation and land use decisions in order to reduce the number of vehicle trips and vehicle miles traveled.

New development affects transportation patterns; likewise, the circulation system is planned to facilitate new development. Roadway improvements also have an effect on existing development. An ideal level of consistency between land use and circulation is manifested in the achievement of the efficient movement of persons within areas where they live and work. Large commercial development projects make nearby residents uneasy because of the amount of traffic they produce in their area. A balance must be struck between planning for future traffic volumes while advocating the reduction of vehicles on the roads.

ACTIONS:

- Prepare a prioritized plan to construct full street improvements where sawtooth patterns exist and identify funding sources to implement this plan.
- Amend Title 19 to create standards that support the Neighborhood Traffic Management Program. Improvements could include speed bumps, dips, and street narrowing, all designed to ensure the safety and livability of local residential streets.
- Amend Title 19 to require traffic impact analyses as part of Site Development Plan Review application requirements for new construction activities generating more than 100 peak hour vehicle trips.
- Coordinate with FAST (Freeway and Arterial System of Transportation) the efficient movement of vehicle traffic through implementation of Intelligent Transportation Systems.
- Amend the land use plan to incorporate high-density residential developments along major arterial roads having transit.
- Create incentives for developers to locate high-density residential developments along major arterial roads having transit.
- Create incentives for developers to create walkable, transit-oriented mixed-use developments with complete streets that are sensitive to multiple modes of transportation and emphasize safety for non-motorized travel.
- Create incentives for investment in the transformation of existing decaying commercial-oriented suburban arterials into walkable, mixed-use, multi-modal corridors with station nodes.

Schedule: Ongoing

Responsible: Department of Public Works, Planning &
Development Department, City Manager's Office

RECOMMENDATION 2: Comply with existing transportation-related legislation and actively support proposed State and/or Federal legislation which generates funding, with growth potential for transportation infrastructure.

Federal SAFETEA-LU legislation mandates the maintenance of a continuing, cooperative and comprehensive transportation planning process on a regional scale. Through Clark County's metropolitan planning organization the city contributes statistical information and recommendations for implementation in addition to the list of projects proposed for inclusion in the periodic Regional Transportation Plan. The Nevada Revised Statutes contain specific transportation-related planning requirements, such as Chapter 408, that require local compliance. It is also important to proactively suggest ways in which circulation and air quality can be improved, whether through legislation or educational campaigns.

ACTIONS:

- Conduct a staff-level (Planning & Development and Public Works Departments) compliance review of all federal, state and local legal transportation-related requirements.
- Actively participate in crafting legislation that will address transportation issues affecting the city of Las Vegas by closely monitoring state assembly sessions in Carson City.
- Continue to support Question 10 taxes as sources of funding for transportation-related projects in the city through implementation of an educational program that informs the constituency of how Question 10 dollars are being spent.

Schedule: Ongoing

Responsible: City Manager's Office, Regional Transportation Commission of Southern Nevada, Planning & Development Department, Department of Public Works, Department of Building and Safety, NDOT

RECOMMENDATION 3: Coordinate local actions with regional agencies, and undertake active efforts for transportation improvements.

Transportation issues do not stop at municipal boundaries. The issues raised by transportation in one jurisdiction can affect the quality of life in another. To maintain continuity between points within the greater Las Vegas area, regional entities must hold to similar policies and agree on actions to be taken that will mitigate these issues. To this end, the RTC and SNRPC serve this function.

ACTIONS:

- Continue to ensure interdepartmental and interagency coordination of various city planning efforts related to growth, infrastructure, and service provision.
- Continue to support the efforts of the RTC (Regional Transportation Commission of Southern Nevada) and SNRPC (Southern Nevada Regional Planning Coalition) to plan for transportation projects that affect other communities and rural areas outside the city limits.
- Continue to support and participate in regional transportation planning through working groups and committee membership.

Schedule: Ongoing

Responsible: Planning & Development Department, Department of Public Works, and Regional Transportation Commission.

RECOMMENDATION 4: Pursue sources that will fund the construction and maintenance of needed improvements to the city's street system.

The city's capital improvements program contains funding based on a five-year horizon, updated annually. Projects approved through the CIP process represent the approved priority list for spending capital funds. The CIP provides a link between necessary transportation improvements and the city's budget. The city must seek sources external to the General Fund to keep up with projected growth and maintain current infrastructure.

ACTIONS:

- Work to secure federal, state and local funding for all feasible capital projects and incorporate into the CIP.
- Coordinate with RTC for funding sources and/or funding allocation for proposed infrastructure needs.

Schedule: Ongoing

Responsible: City Manager's Office, Department of Public Works

RECOMMENDATION 5: Implement streetscape enhancements by coordinating with the Department of Public Works to improve the visual appearance of city streets.

Streetscaping can have a significant effect on how people perceive and interact within their community. If streetscapes appear safe and inviting for pedestrians, people are more likely to walk. This can help reduce automobile traffic, improve public health, and attract visitors to Las Vegas.

ACTIONS:

- Adopt more specific street tree requirements, such as type and placement, to supplement those in LVMC Title 19.
- Monitor and replace street trees lost due to disease or vandalism.
- Require amenities such as benches, trash receptacles, decorative street lighting, and decorative pavement alternatives along all public streets.
- Continue to install underground utilities consistent with City guidelines and regulations.
- Amend Title 19 to require streetscape widths to coincide with street classifications.
- Ensure landscape areas conform to best management practices for storm water runoff.
- Provide additional safety features in the right-of-way for pedestrians such as curb extensions and center refuge islands where applicable.
- Require utility boxes and other visual impediments to be located underground or outside of the landscape buffer zone.



- Determine the feasibility of reducing street widths to reduce the amount of impervious surface and allow for a buffer between the sidewalk and roadway.
- Consider whenever feasible the conversion of four-lane streets to two-lane streets to allow for additional streetscaping and alternative modes of transportation.
- Amend the Las Vegas Municipal Code to require landscape maintenance associations/agreements where landscaping is within the public right-of-way.

Schedule: Ongoing

Responsible: Departments of Planning & Development, Public Works, and NDOT

RECOMMENDATION 6: Coordinate with regional entities to fund and implement programs that aim to improve air quality in the Las Vegas Valley.

Las Vegas has made significant strides in improving air quality, but there is still more to accomplish. The region is experiencing tremendous population growth, leading to increased construction, a greater volume of automobile traffic, and heightened power demands. Such growth will negatively affect the air in and around Las Vegas. Las Vegas must achieve and maintain “attainment status” for carbon monoxide, particulate matter and ozone for the general health, safety, and welfare of its citizens.

ACTIONS:

- Create a trip reduction plan to develop, implement, and report annually on plans to reduce single occupant vehicle ridership for city employees.
- Maintain compliance with Clean Air Act standards and keep levels of mobile and stationary pollution below federal limits.
- Support RTC Ride Share, Park-and-Ride and other travel demand management programs that aim to reduce the volume of single-occupancy vehicles on city roadways.
- Continue to augment the city’s fleet of non-gasoline powered vehicles for use in municipal-related activities.
- Continue to seek funding from CMAQ for transportation projects in the city that reduce emissions.

Schedule: Ongoing

Responsible: Departments of Planning & Development, Public Works, and NDOT



CONCLUSION

As Las Vegas continues to grow in population the overall quality of life must maintain pace. The city must maximize the efficiency of existing and proposed transportation infrastructure through innovative transportation technology, reduction of vehicle trips, and focusing growth in proximity to public transit.

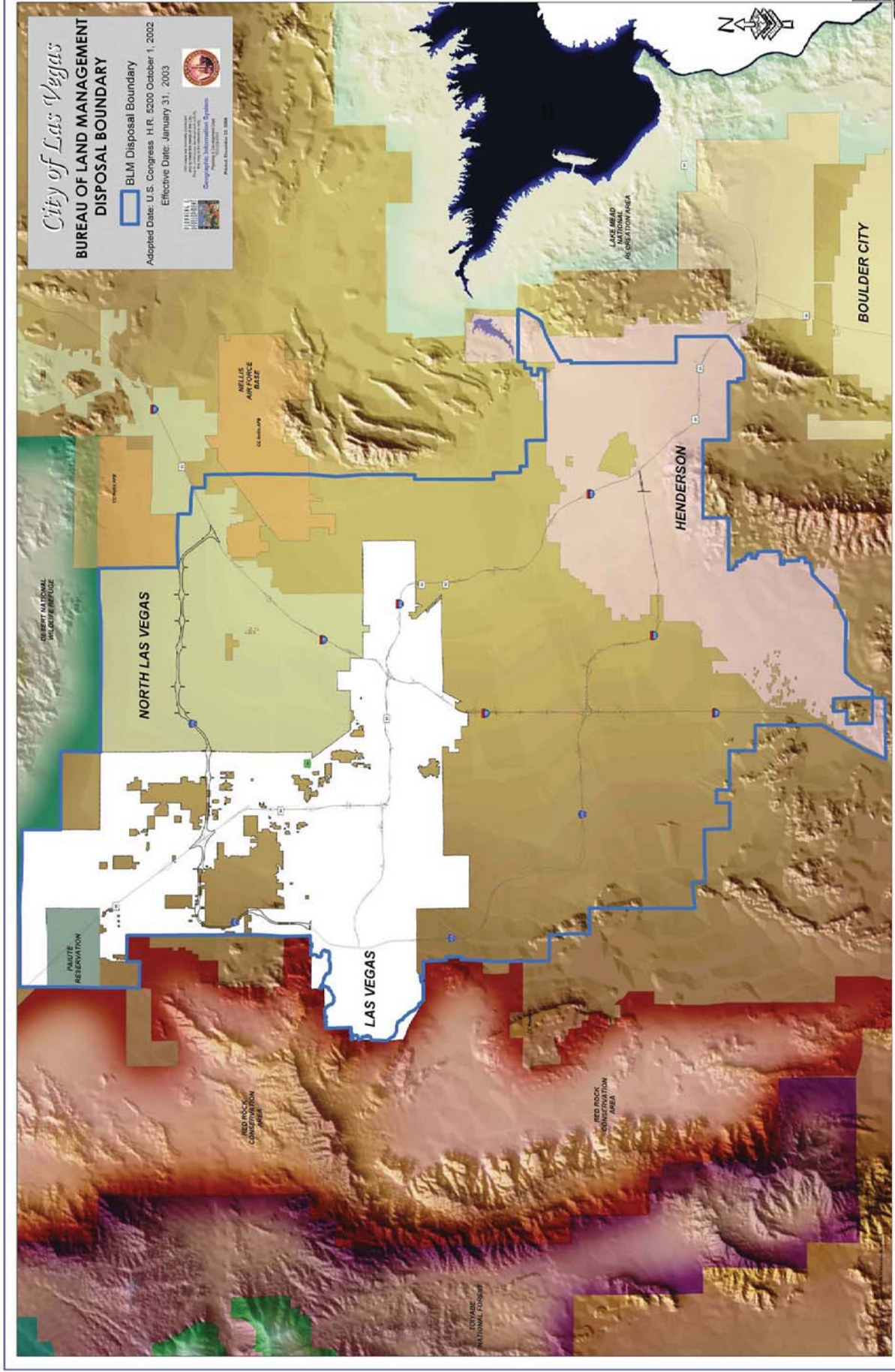
As is common in many areas of the West, where density is relatively low and land plentiful, the automobile is the transportation mode of choice for residents of the city. One of the greatest threats to sustainable living is an automobile-oriented land use. While current projects to expand roadway capacity will address the immediate issue of congestion, new approaches should include reorientation of travel from single-occupant auto to transit and ridesharing, encouragement of mixed uses and transit-oriented development, and implementation of street designs that include alternative modes of transportation, added safety features and amenities.

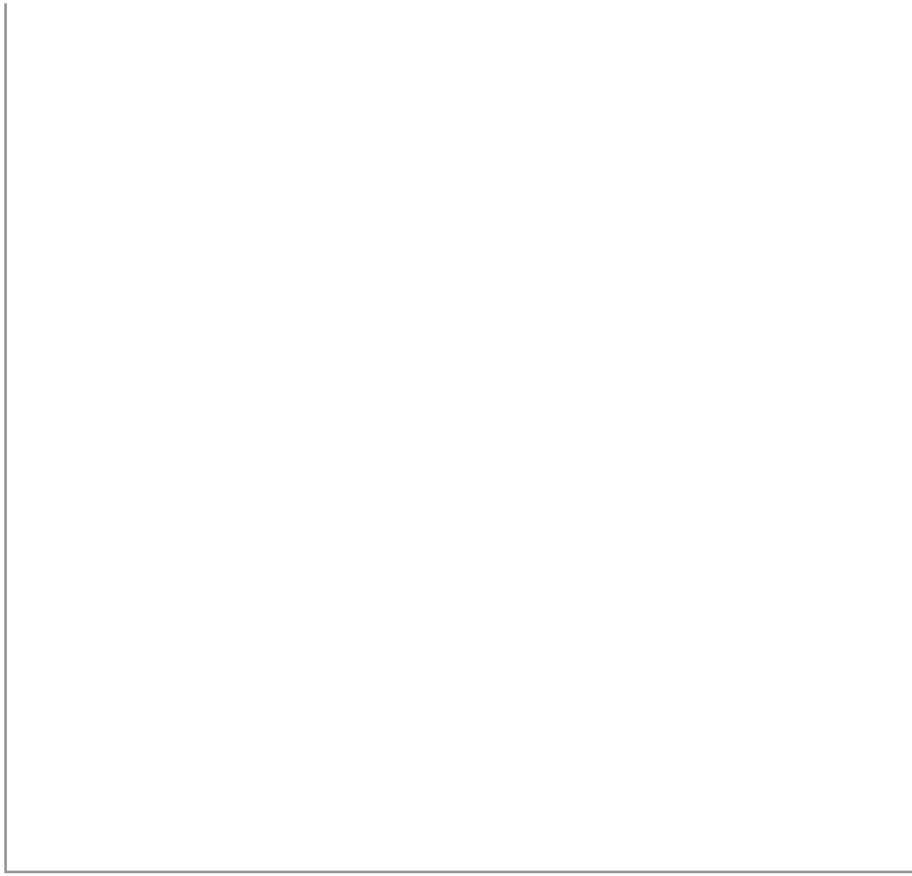
In addition to traffic congestion problems, an automobile-oriented infrastructure creates air pollution. Emissions from mobile sources represent roughly 70 percent of today's total emissions. Any effective measures to improve our transportation network should take into account clean air standards. A "Trip Reduction Plan" to develop, implement, and report annually on plans to reduce single occupant vehicle ridership for city employees would assist in obtaining air quality goals.

The city's Strategic Plan identifies the most important commitments that will help achieve the community's vision. Growth, traffic congestion, the quality of our road systems, and balancing land uses were all identified as important challenges in the 2005 Las Vegas Strategic Plan. To address these challenges, the Transportation and Streets and Highways element has recommended the pursuit of funding sources for the construction and maintenance of our roadway system through the continued support of Question 10 and gasoline taxes. It has also recommended the use of incentives to promote mixed-use development and ways to enhance the safety and appearance of our streets.

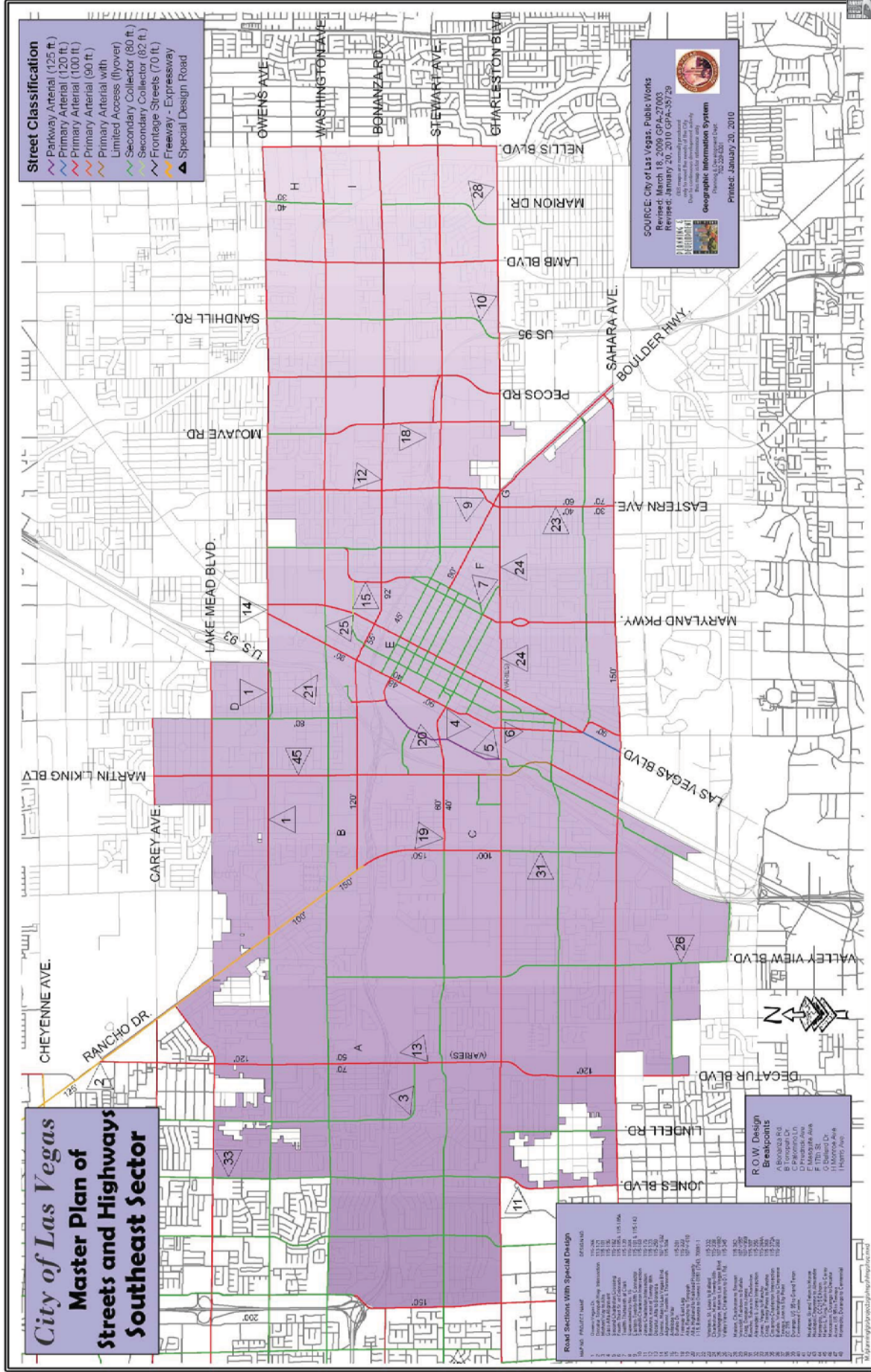


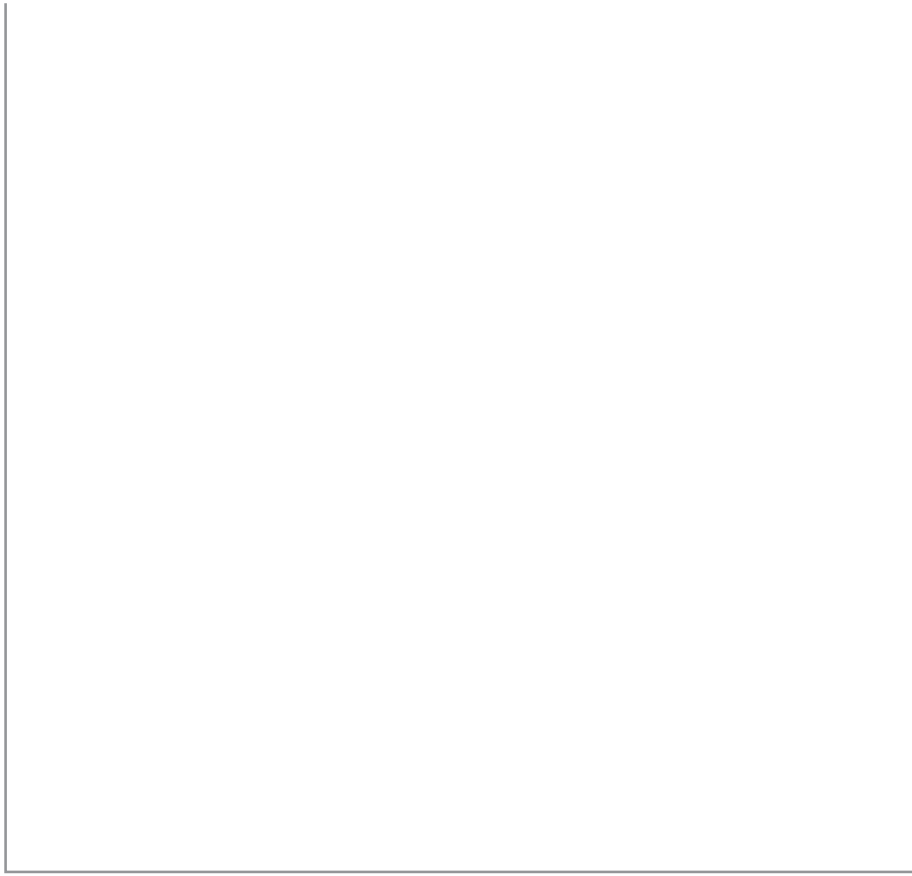
Map I: Bureau of Land Management Disposal Boundary





Map 2A: Master Plan of Streets and Highways, Southeast Sector



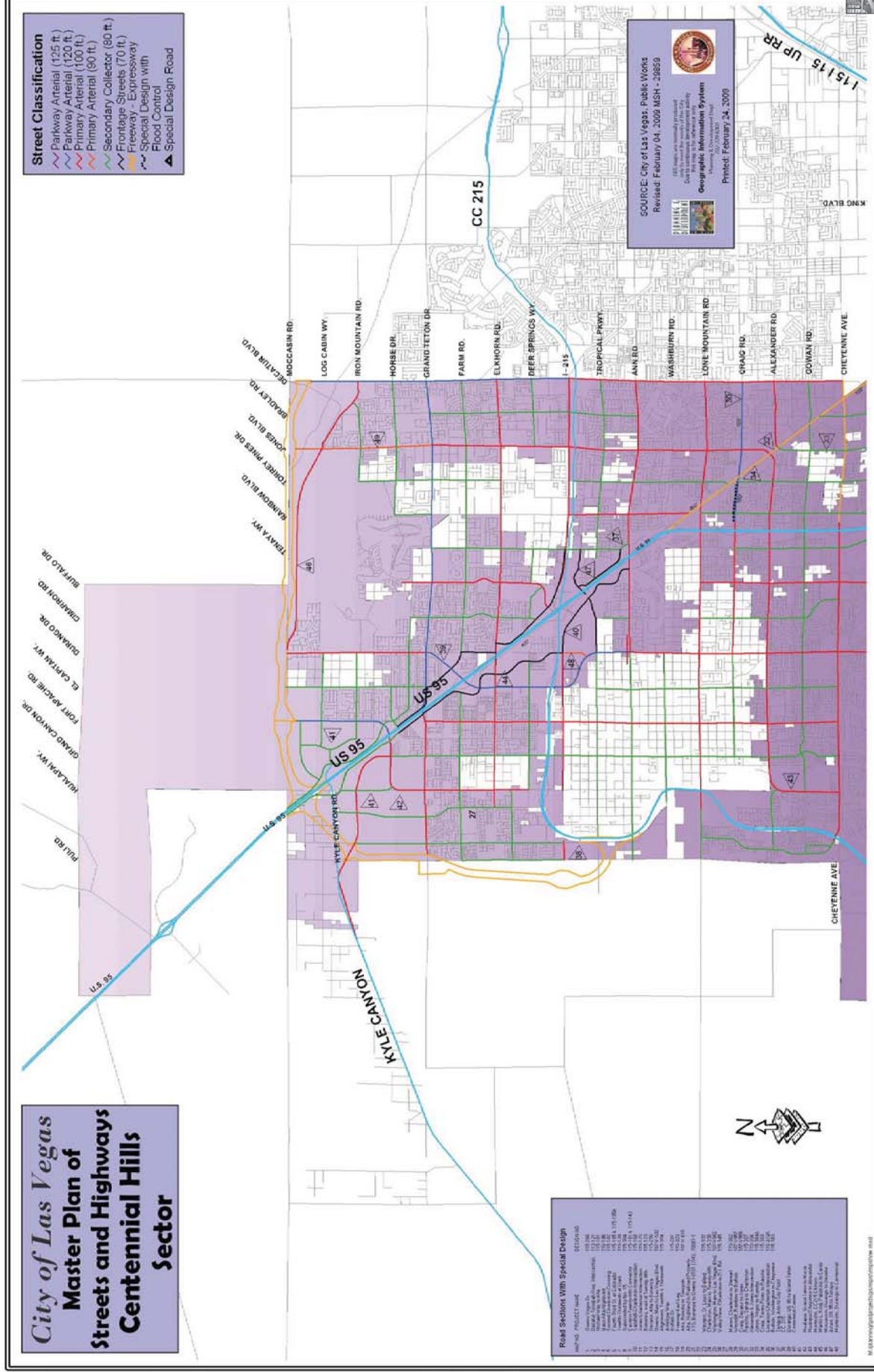


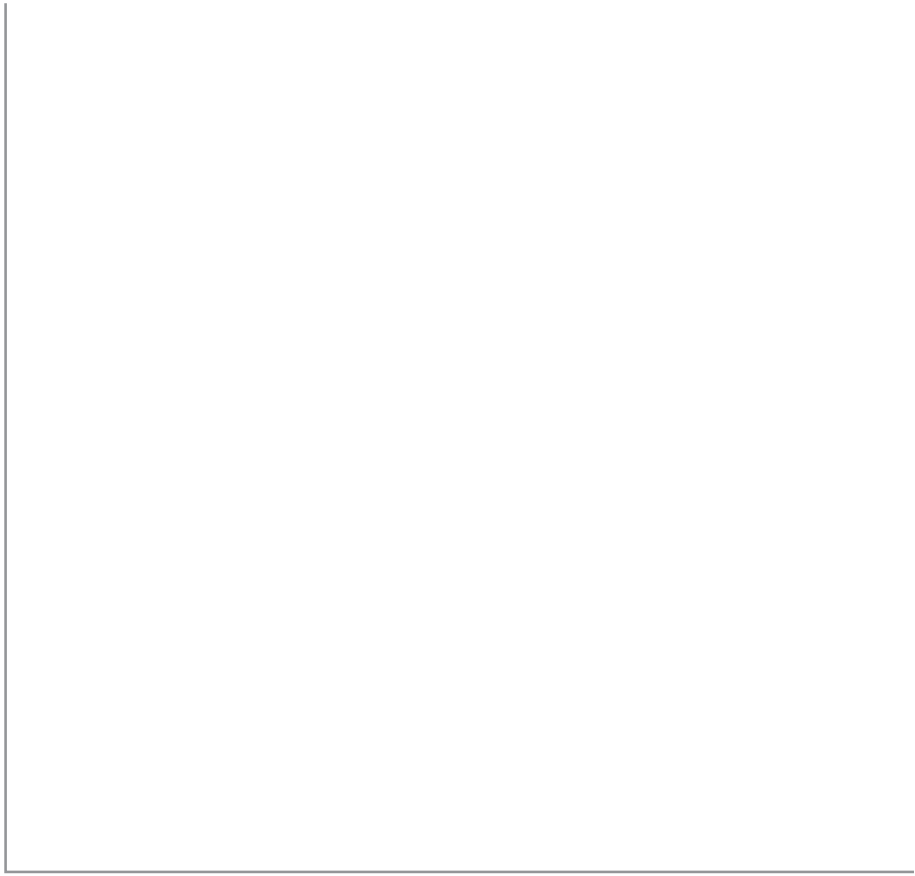
City of Las Vegas
Master Plan of
Streets and Highways
Southwest Sector



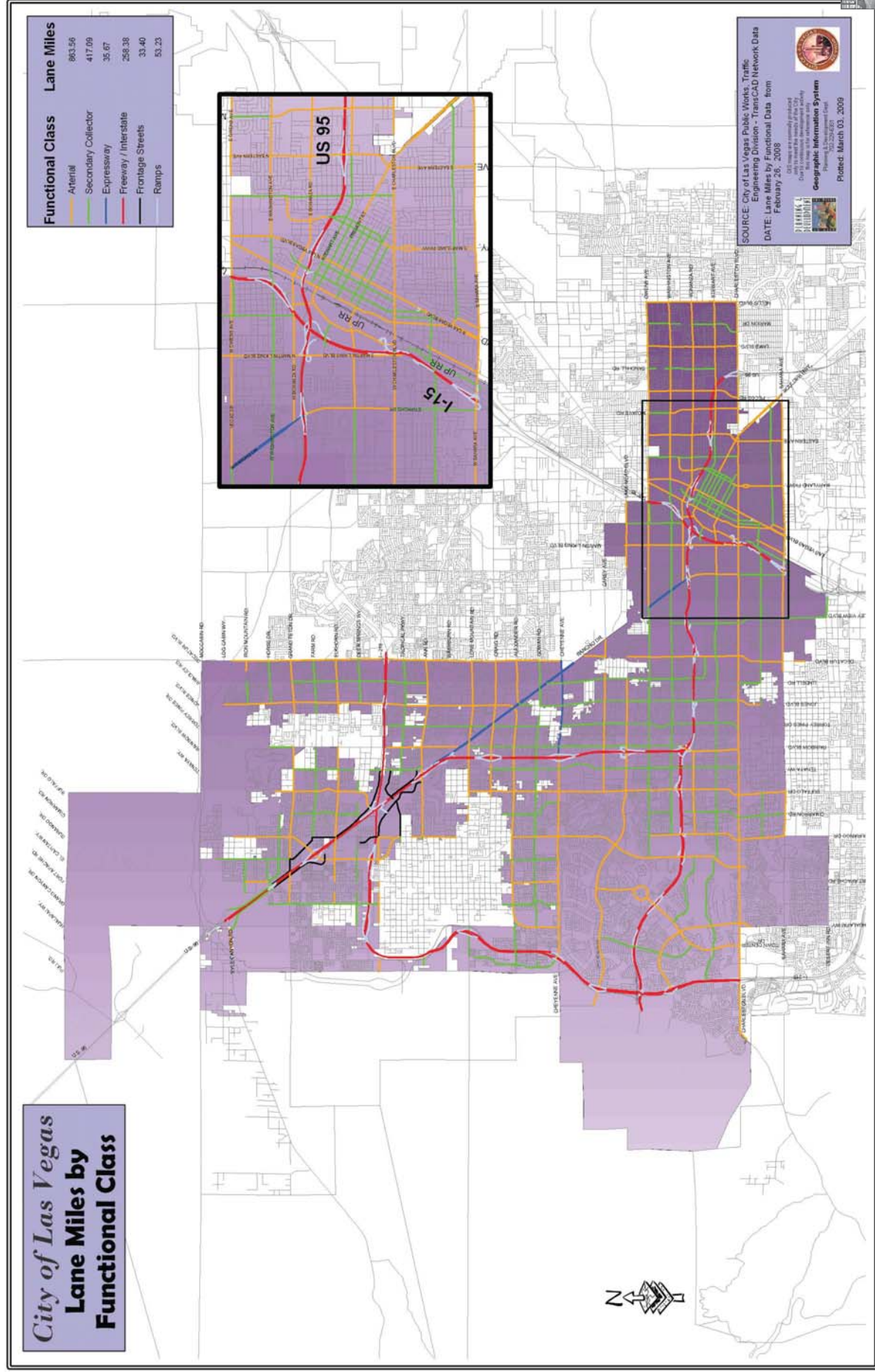


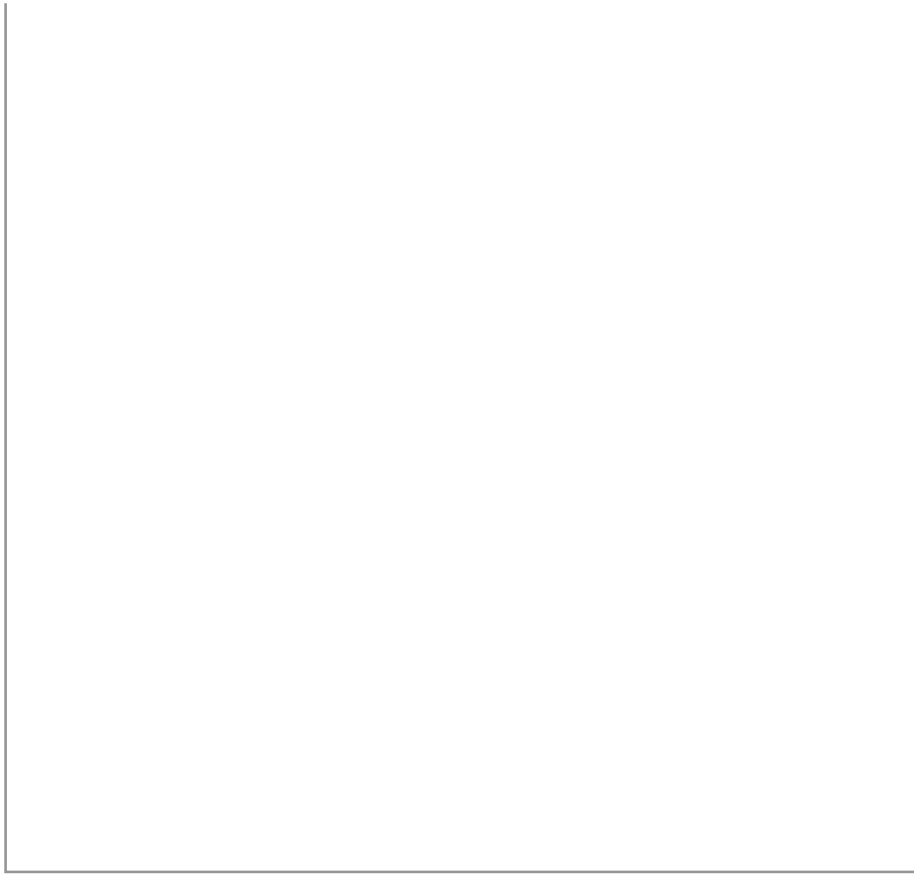
Map 2C: Master Plan of Streets and Highways, Centennial Hills Sector



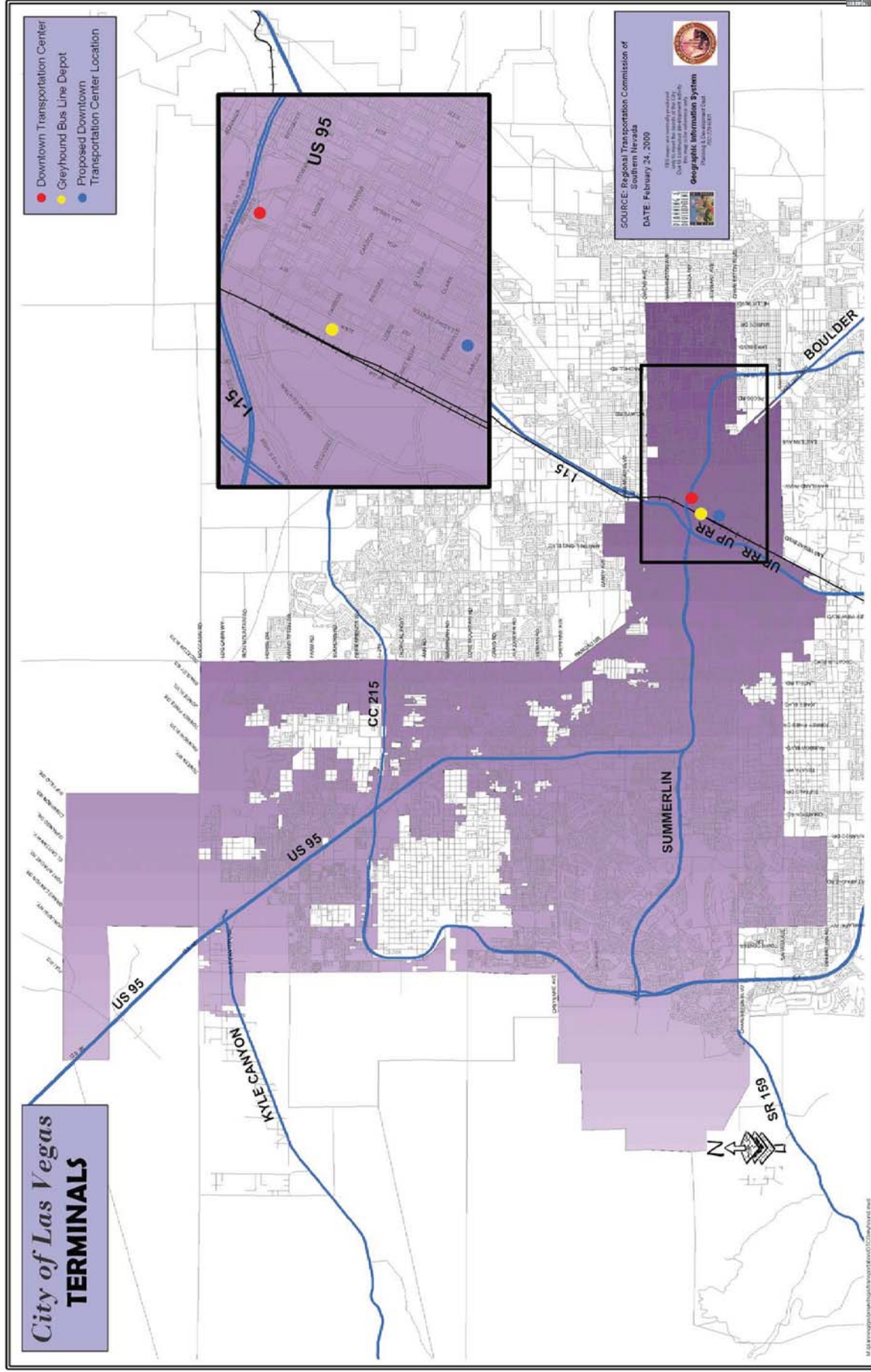


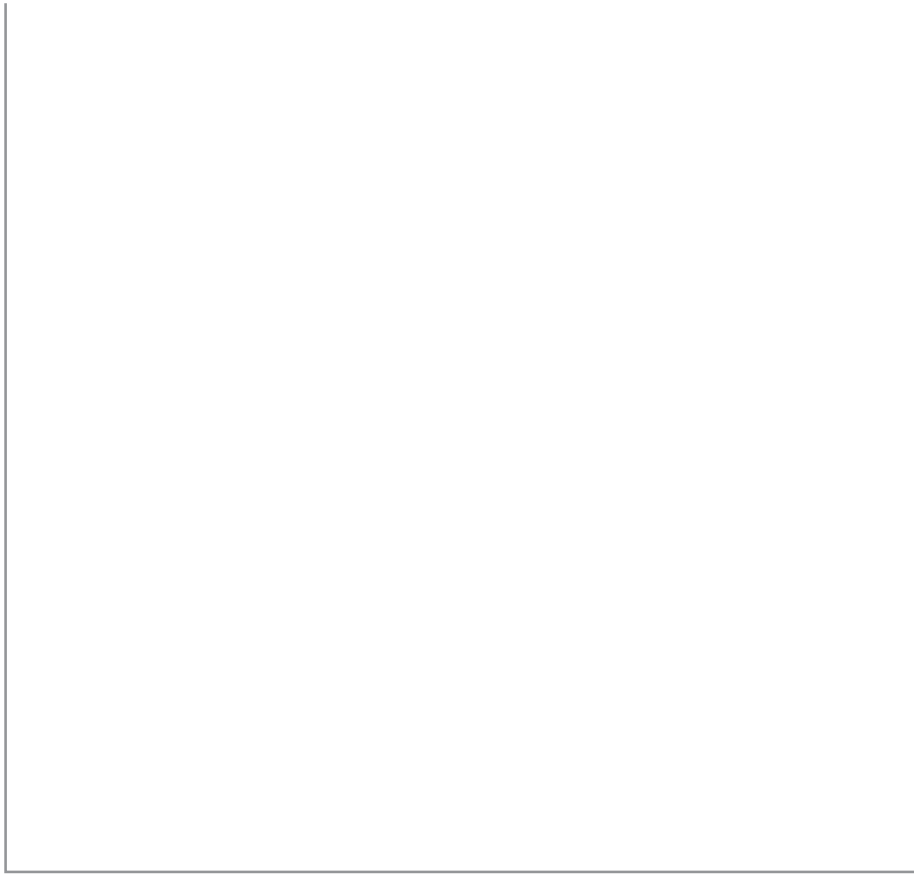
Map 3: Lane Miles by Functional Class



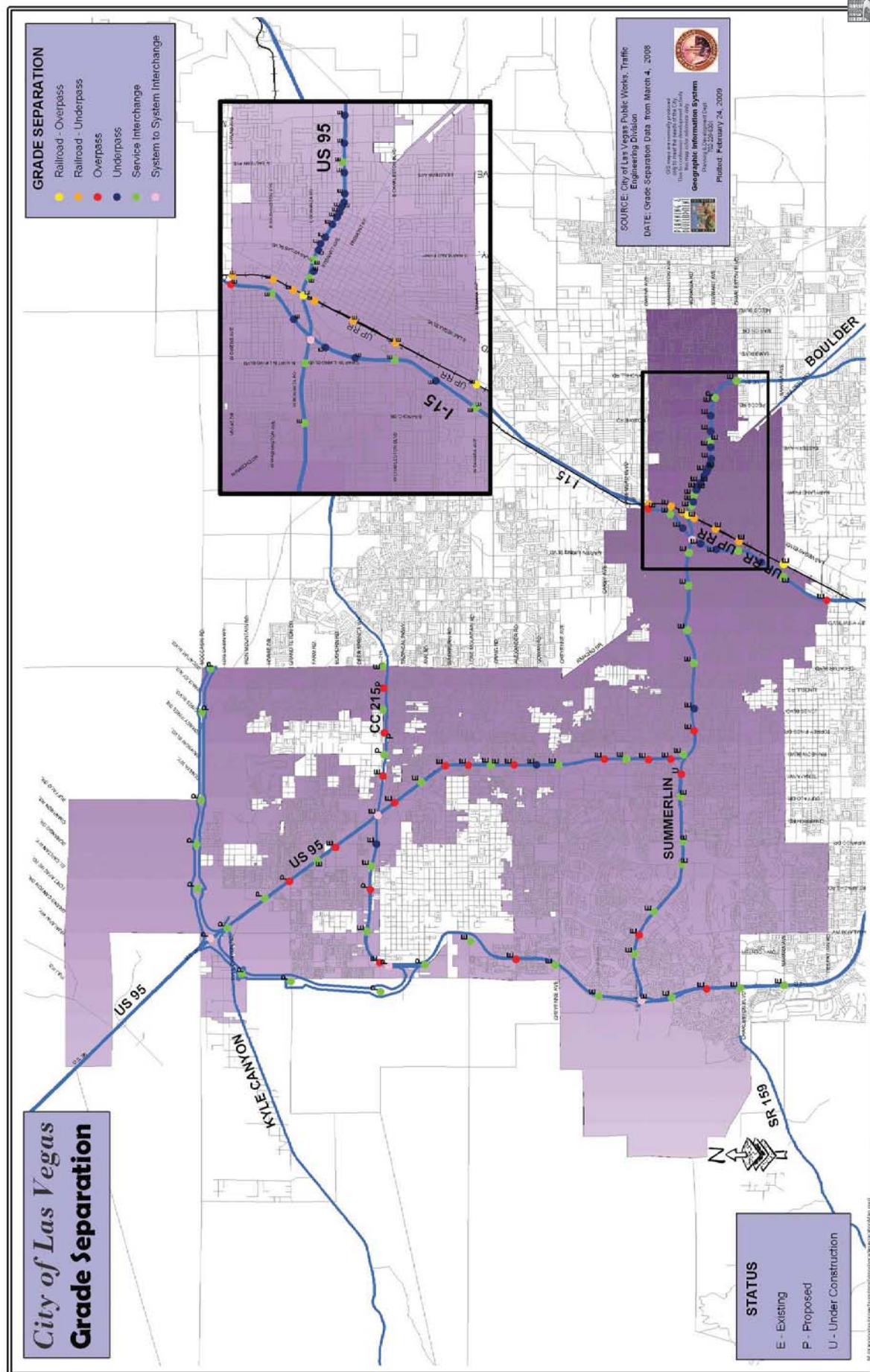


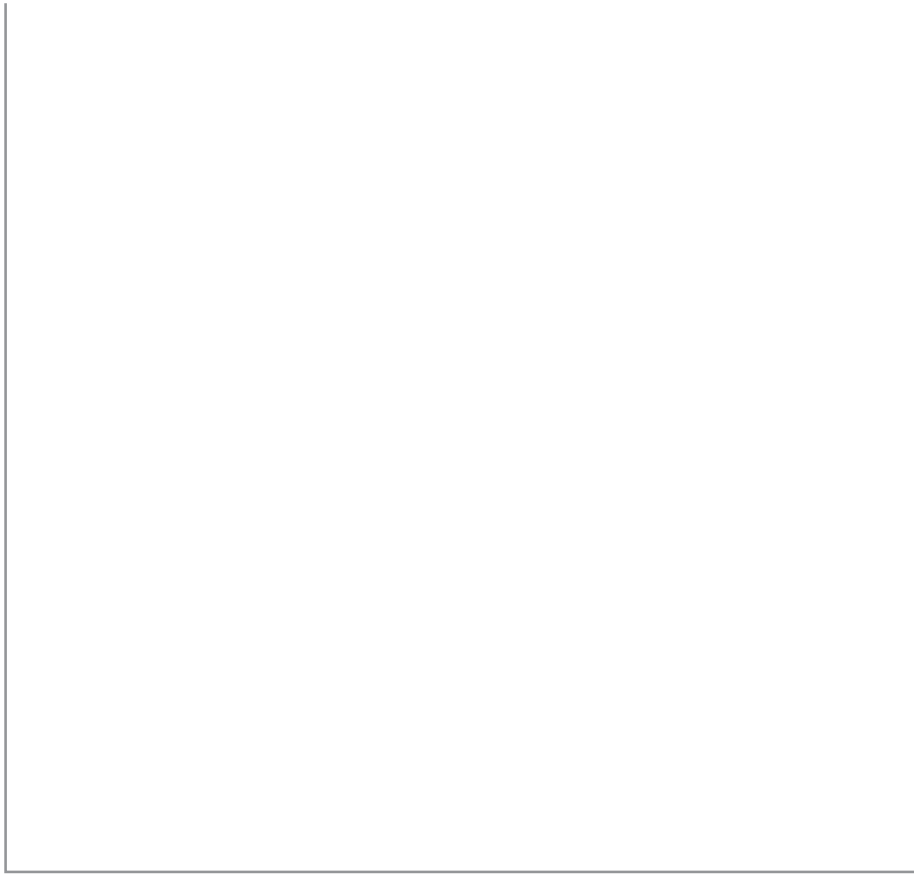
Map 4: Terminals within the city of Las Vegas



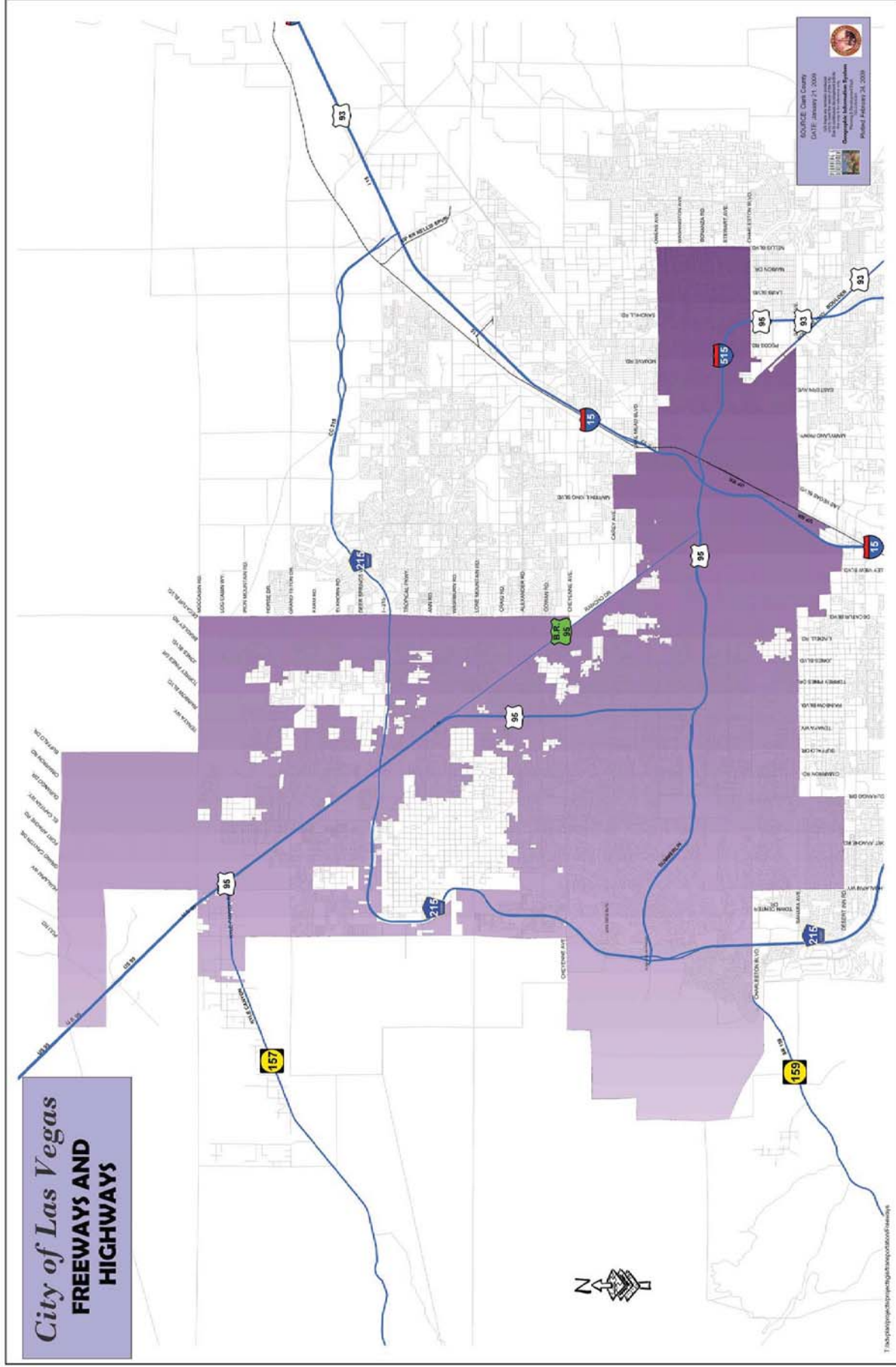


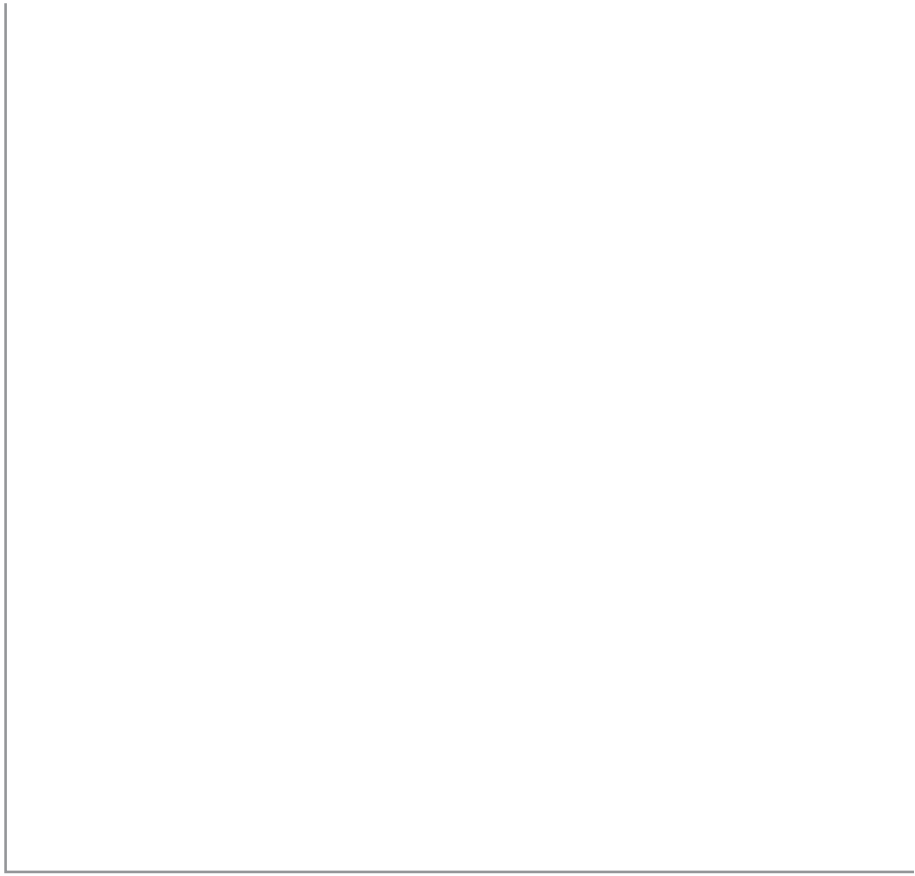
Map 5: Grade Separation



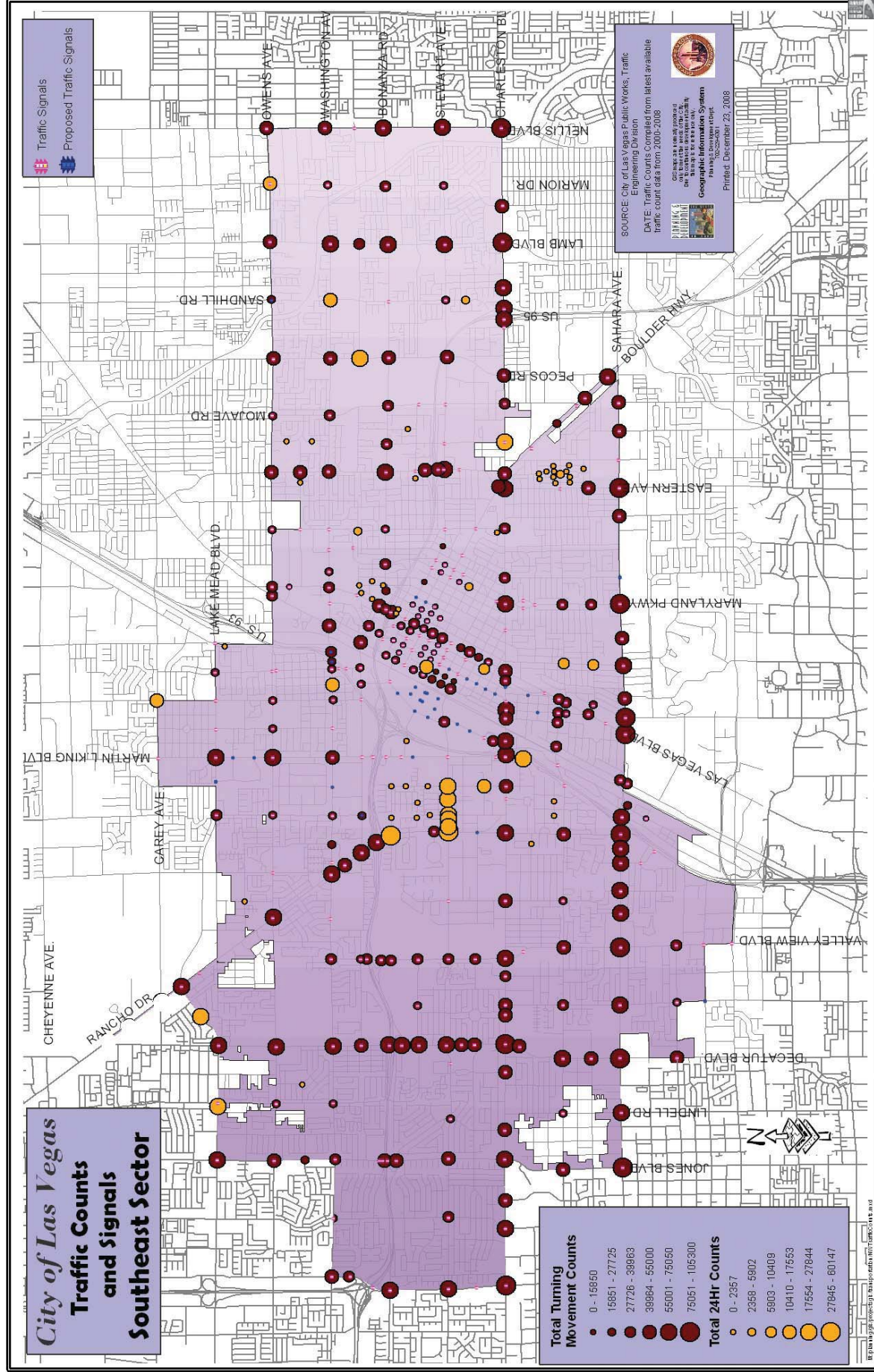


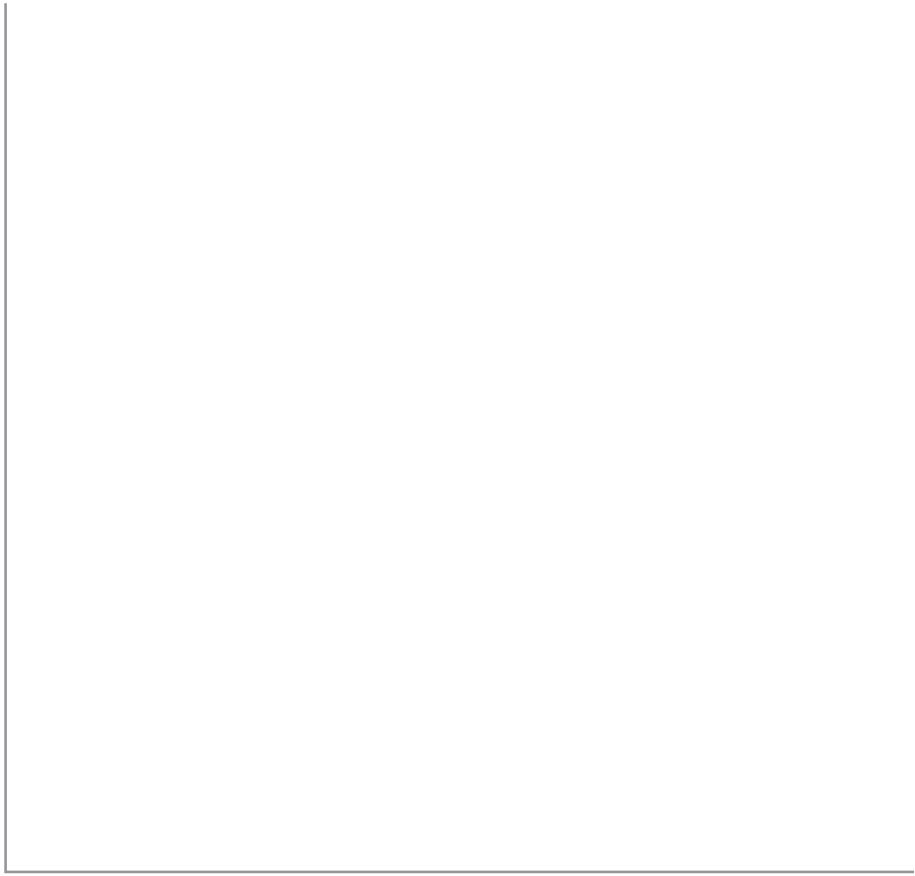
Map 6: Freeways in the city of Las Vegas



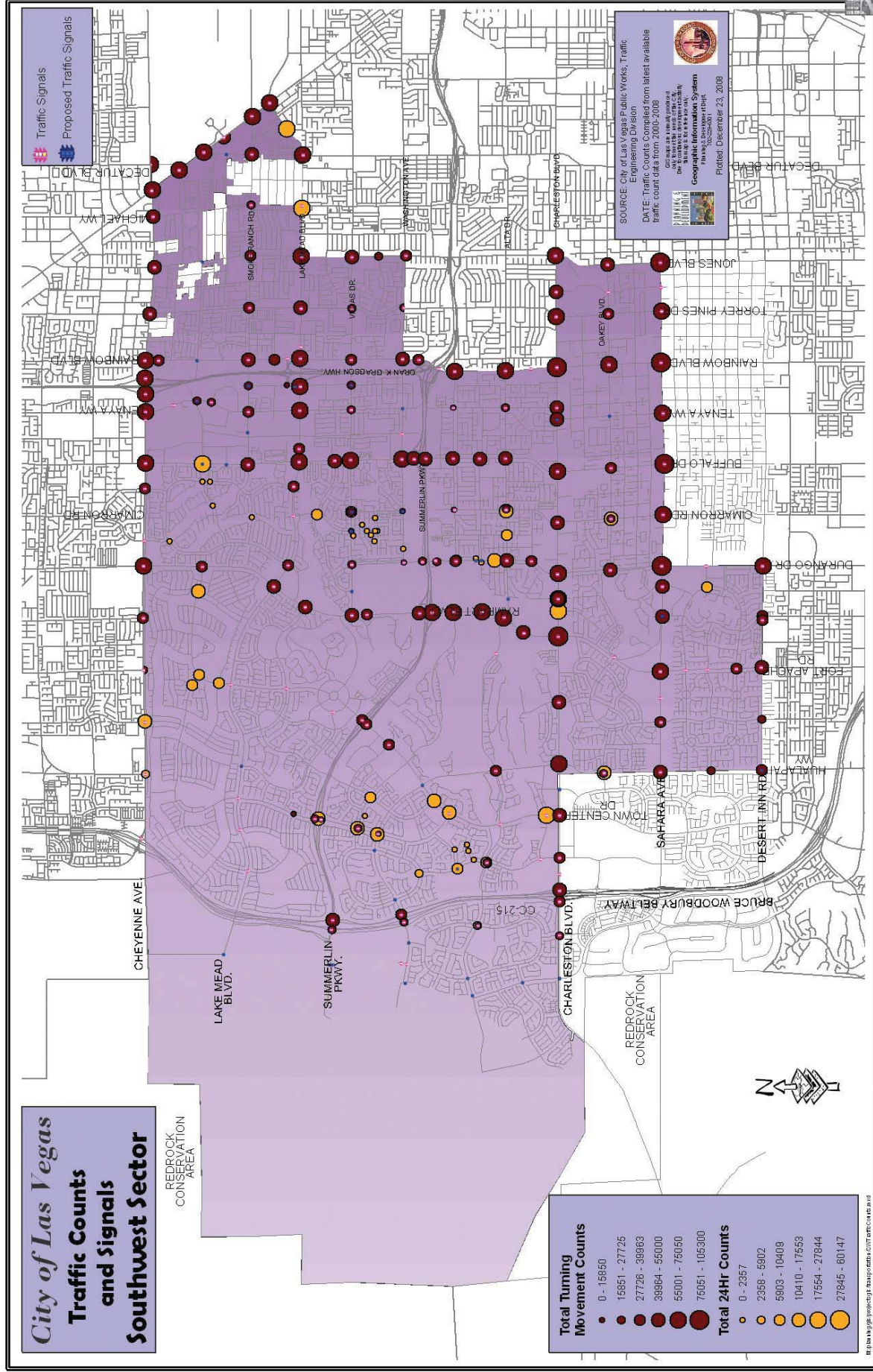


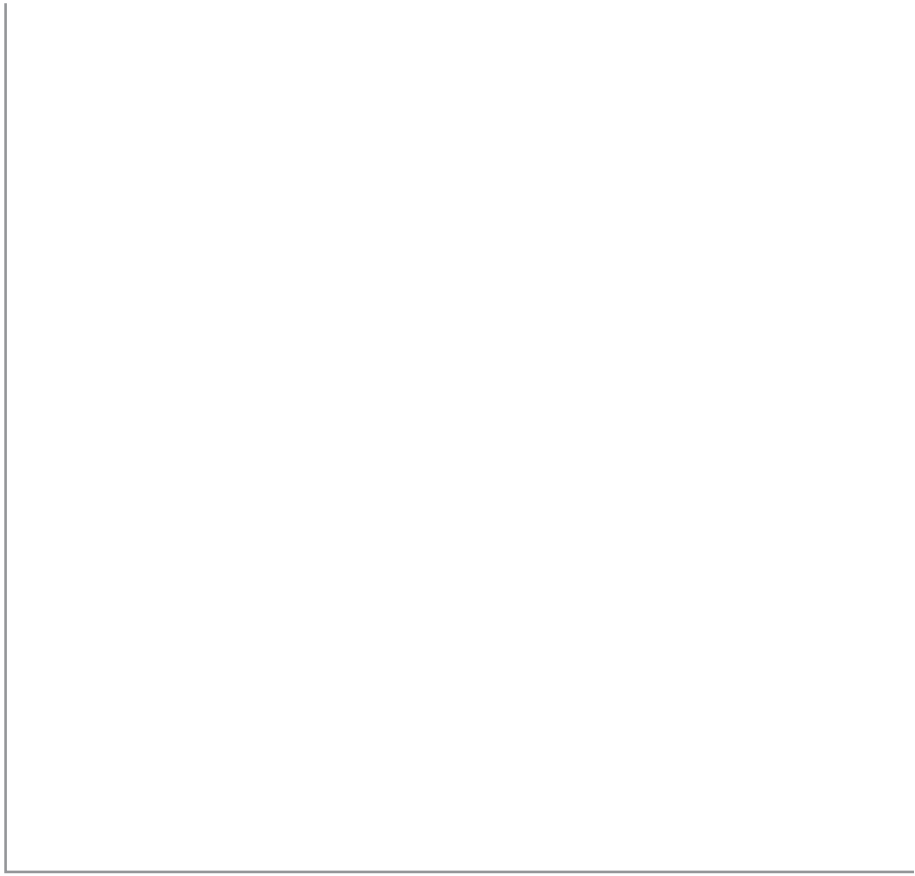
Map 7A: Traffic Counts and Signals, Southeast Sector





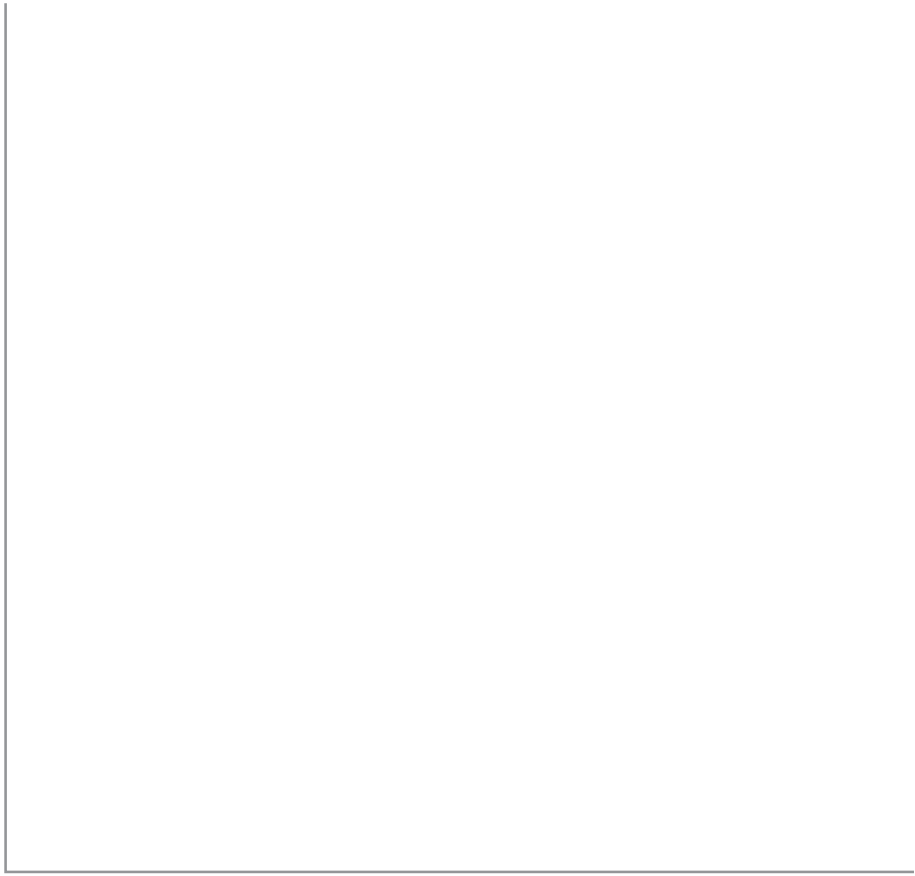
Map 7B: Traffic Counts and Signals, Southwest Sector





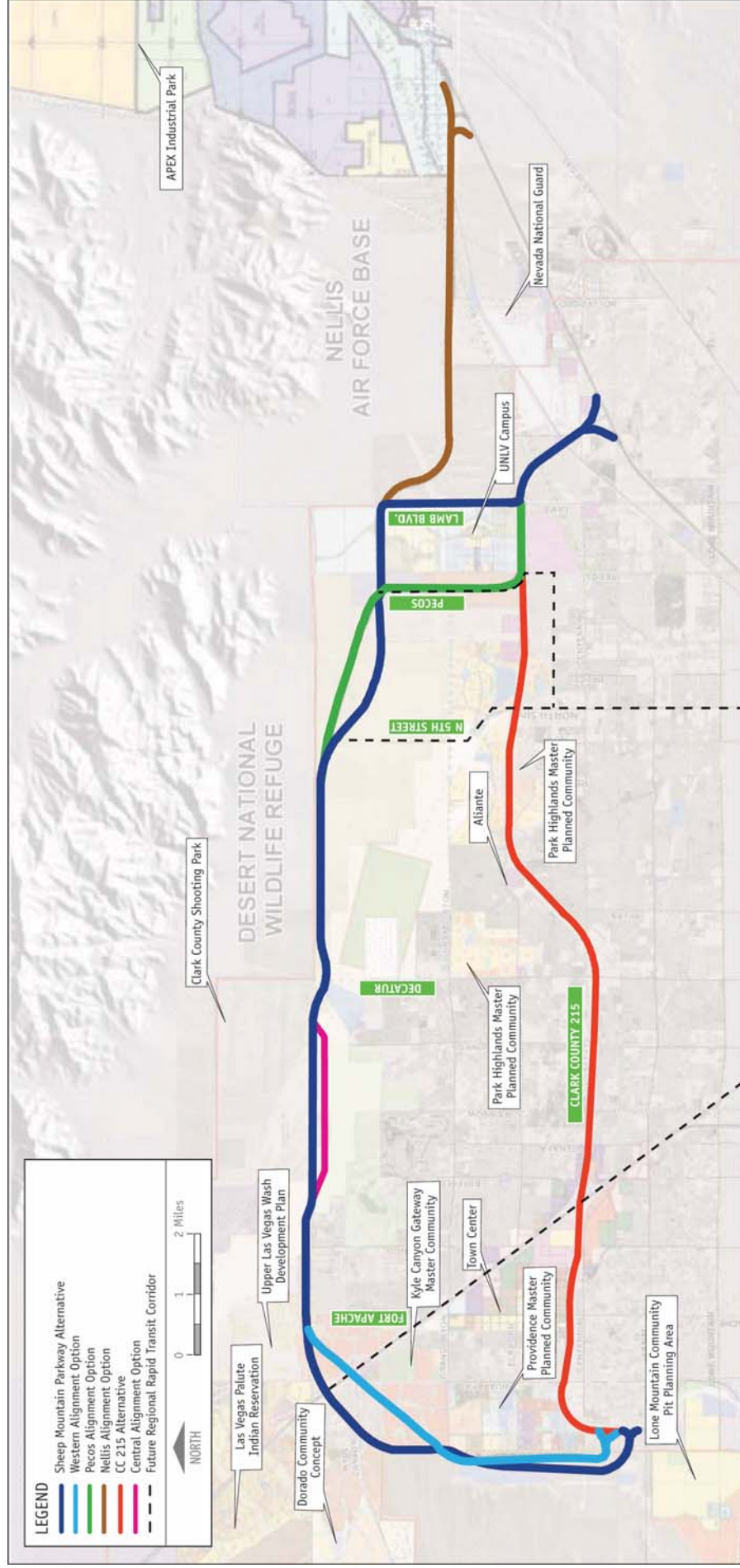
City of Las Vegas
Traffic Counts
and Signals
Centennial Hills





Map 8: Sheep Mountain Parkway Preliminary Alignment Alternatives

Date: December 18, 2008



Alternatives Used

NOTE: The alignments shown are the preliminary draft alternatives to be considered in the Sheep Mountain Parkway Draft Environmental Impact Statement and are subject to change.

Maps



LIST OF ABBREVIATIONS

AADT	Annual Average Daily Traffic
AASHTO	American Association of State Highway and Transportation Officials
BLM	Bureau of Land Management
BNSF	Burlington Northern and Santa Fe Railroad
CAA	Clean Air Act
CAT	Citizens Area Transit
CC	Clark County
CCRFC	Clark County Regional Flood Control District
CIP	Capital Improvement Plan
CLV	City of Las Vegas
CMAQ	Congestion Mitigation and Air Quality Improvement
CMO	City Manager's Office
CO ₂	Carbon Dioxide
CO	Carbon Monoxide
DPW	Department of Public Works
EIS	Environmental Impact Statement
EPA	Environmental Protection Agency
FAA	Federal Aviation Administration
FAST	Freeway and Arterial System of Transportation
FHWA	Federal Highway Administration
FTA	Federal Transportation Administration
FY	Fiscal Year
HOV	High Occupancy Vehicle
IMC	Incident Management Camera
ITE	Institute of Traffic Engineers
ITS	Intelligent Transportation Systems
MAX	Metropolitan Area Express
MLK	Martin Luther King Boulevard
MPO	Metropolitan Planning Organization
NAAQS	National Ambient Air Quality Standards
NDOT	Nevada Department of Transportation
NHS	National Highway System
NLV	North Las Vegas
NO _x	Nitrogen Oxide
NRS	Nevada Revised Statutes
NTMP	Neighborhood Traffic Management Program

LIST OF ABBREVIATIONS, CONTINUED

O ₃	Ozone
OMC	Operations Management Committee
P&D	Planning and Development Department
PM ₁₀	Particulate Matter
RTC	Regional Transportation Commission of Southern Nevada
RTP	Regional Transportation Plan
SAFETEA-LU	Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users
SIP	State Implementation Plan
SNRPC	Southern Nevada Regional Planning Coalition
SNWA	Southern Nevada Water Authority
SO ₂	Sulfur Dioxide
SPUI	Single-Point Urban Interchange
TIP	Transportation Improvement Program
TOD	Transit-Oriented Development
VMT	Vehicle Miles Traveled

APPENDIX A: 1992 GENERAL PLAN CIRCULATION ELEMENT IMPLEMENTATION UPDATE

Policy#	Policy Description	Status
Policy Or Program		
A1	Evaluate roadways near all new development for capacity and safety to determine necessary improvements.	Evaluation is made for all roads and intersections adjacent to new development for which traffic impact analyses are required by the Planning Commission. The city of Las Vegas Intersections Program Master Plan evaluates roadway intersections for capacity and safety to determined needed improvements. Additionally, where applicable, site plans and civil plans are reviewed and determinations are made based on capacity and safety for developments where no traffic studies are required.
A1.1	Revise zoning ordinance to require a traffic impact analysis for all projects generating more than 100 vehicle trips during peak periods.	The zoning ordinance was not revised. The Planning Commission determines if traffic studies are required on a case-by-case basis. Traffic Engineering provides the Commission with initial trip generation estimates to assist in making this determination. Generally, 100 trips per day is the threshold beyond which a TIA would be required.
A1.2	Evaluate integration of transportation demand management measures into the development review process.	Traffic Engineering's input into TDM is minimal, as follow-up on the success of such strategies cannot be legally required at this time. Traffic Engineering has recently had internal discussions regarding reviving efforts to require TDM plans to be included in traffic studies. Conditioning of a review hearing in front of a public body to report on status is recommended.
A2	Continue to require right-of-way and frontage improvements by property owners.	Staff requires all property owners adjacent to rights-of-way to construct right-of-way improvements. These requirements are waivable.
A2.1	Form task force to look at two problems: lack of adequate roads installed by developers of "leap frog" development; and sawtooth alignments resulting from developer phasing techniques.	No task force was formed. The Department of Public Works (DPW) routinely requests overpavement on half-streets. DPW attempts to require developers to construct tapers beyond property boundaries to safely divert traffic around sawtooth road segments. However, if adjacent owners have not improved their properties, even this is not possible. A standard note on civil plans has recently been added to require that contractors contact Traffic Engineering during the construction process to verify how roadway signing and striping will be modified to transition to adjacent road segments.

Policy#	Policy Description	Status
Policy Or Program		
A3.1	Annual review and update of Master Plan of Streets and Highways Map and Schedule 13-1A.	The Master Streets and Highways Map and Schedule 13-1A are reviewed by DPW periodically (not annually) to ensure the plan is consistent with other planned roadway projects. The Master Streets and Highways Map and Schedule 13-1A are also updated as private development occurs throughout the city.
A3.2	Revise Subdivision Ordinance to allow flexibility in street improvement standards in rural areas.	No formal ordinance has been drafted or adopted. However, DPW has developed a map identifying rural (60' or less) rights-of-way and a typical cross section that is used primarily in Ward 6. On these ROWs, sidewalks and streetlights may be waived.
A3.3	Initiate reevaluation of plan to construct frontage roads along Rancho Road, north of its convergence with Oran Gragson Freeway.	No frontage roads along Rancho exist, nor are there any future plans to build them.
A3.4	Initiate a circulation study of the Northwest sector to explore circulation alternatives.	No formal studies were done in this regard. In March 2003, DPW staff conducted a Roadway Planning Charrette to plan for future roadways in the Northwest, resulting in a Consensus Map showing the locations and widths of major corridors in this area. In March 2008, a study was published considering the feasibility of a northern beltway (Sheep Mountain Parkway).
B1	Evaluate priorities for traffic control and street improvements through the analysis of current traffic operations data.	Traffic control needs are prioritized when there are funding shortfalls, based on accidents and other factors. There is no formal ranking for road projects; however, any projects in the CIP are thoroughly analyzed. The CLV Intersections Program Master Plan does prioritize roadway intersection improvement projects through collection of traffic count data.
B1.1	Biannual review of warrants for traffic control devices.	Conducting warrants at all potential signal and stop sign locations is not feasible due to the large number of intersections. All intersections identified due to public requests, police requests, development traffic studies, or high accident patterns receive warrant analysis. The intersections that are close to meeting warrants are reviewed thereafter annually.
B1.2	Implementation of the TRANPLAN travel demand model.	TRANPLAN is no longer used; the RTC has switched to TransCAD. RTC approved update Package 2A to the 2004 Regional Travel Demand Model on January 31, 2008.

Policy#	Policy Description	Status
Policy Or Program		
B1.3	Develop a Transportation Criteria Model	No such model has been created by staff.
B2	Seek improvement of regional access to and from the Downtown area as well as within.	Increased vehicular capacity to and from I-15 has been planned as part of NDOT's I-515 widening project, which will increase the capacity of the Las Vegas Boulevard interchange. Planning for improved capacity to the north along Main Street and Las Vegas Boulevard has occurred. Master Streets and Highways Map and Schedule 13-1A changes are likely in the near future, in response to NLV's Fifth Street corridor improvements. Improvements for transit access are being accomplished through the City's project to accommodate BRT along Casino Center and Ogden, and the City's involvement in regional RTC projects for additional BRT routes along Fremont/Boulder and Sahara. The city has also planned for improved east-west capacity with the newly designed Clark/Bonneville one-way couplet project. Regarding pedestrian access, the City is pursuing a master plan for future downtown pedestrian bridges through a current RTC UPWP project.
B2.1	Pursue solution of access to Union Pacific property in conjunction with the upgrading of the I-15/ U.S. 95 interchange.	Improved transit access is being accomplished through the Grand Central Parkway BRT (ACE) project. Improved access from MLK is being accomplished along Discovery Drive by previous city projects and the current MLK project. Increased capacity of the Charleston interchange and additional access through construction of an interchange at Alta are planned as part of NDOT's project Neon. Increased connections to I-515 have been planned as part of NDOT's I-515 widening Project, which will include an interchange at City Parkway and through the D/F Street Connector tying City Parkway into I-15. Additionally, OBD is pursuing pedestrian bridges over the railroad as part of the Union Park development.
B2.2	Develop a work plan to increase through capacity on roadways in Downtown experiencing severe congestion.	Other than the Bonneville/Clark Couplet as discussed in B2, there are no improvements planned to increase through capacity in Downtown. The priorities of the city are now to trade vehicle capacity for wider sidewalks and landscaping to improve pedestrian access, and to convert travel lanes to BRT lanes to improve transit access. Portions of Las Vegas Boulevard and Charleston are possible candidates for widening to improve vehicle, transit and pedestrian capacity in the future.

Policy#	Policy Description	Status
Policy Or Program		
B2.3	Pursue alternatives for the up-grade of the Charleston/I-15 interchange to improve access to and from I-15 and improve through traffic on Charleston Boulevard.	Increased capacity of the Charleston interchange and additional access through construction of an interchange at Alta are planned as part of NDOT's project Neon.
B3.1	Identify the appropriate corridor for the expressway in the Northwest, west of Rancho Drive and the termination point of a bypass route along Rancho Drive.	Las Vegas has expanded well beyond these limits and U.S. 95 has been extended well beyond Rancho Drive. Additionally, the Bruce Woodbury Beltway has been built and an outer beltway (Sheep Mountain Parkway) is now in the planning stages.
B4.1	Continue implementation of left turn signals and lanes as well as protected/permissive left turn signals.	Signals are continually re-evaluated for left turn phasing based on safety and capacity criteria.
B4.2	Completion of expansion and enhancement of LVACTS.	LVACTS has been renamed as FAST, which continues to expand with RTC and NDOT funding and oversight. The city no longer has a responsible funding share for this system, but continues to hold a seat on the Operations Management Committee that provides external input to FAST and supports FAST expansion and enhancement.
B4.3	Develop Access Management Guidelines.	Other than City codes that specify a minimum separation distance between intersections, there are no formal access management guidelines. Site plans and new roadways are evaluated on a case-by-case-basis. DPW would recommend not pursuing this objective.
B4.4	Prohibit parking on all primary thoroughfares.	Parking has been prohibited on all major thoroughfares to the extent practical. However, there are a few grandfathered locations where on-street parking exists on major thoroughfares. Future on-street parking could be addressed on a case-by-case basis.
B4.5	Develop procedure for evaluation of implementation of one-way couplets.	Evaluation is accomplished through traffic modeling. Implementation is more difficult politically, as there is concern that one-way streets might interfere with redevelopment.
B4.6	Inventory at-grade railroad crossings. Analyze for cost, benefit and timing of removal.	There are only two at-grade railroad crossings in the city: Oakey/Wyoming and City Parkway/Mesquite. The Wyoming crossing is scheduled to be grade separated in project Neon. The City Parkway crossing is a minor spur that only serves a single building and sees very little train traffic. NDOT analysis has determined that due to the low volume of trains, this crossing doesn't merit grade separation, and it is not being grade separated in either the I-515 or D/F Connector projects.

Policy#	Policy Description	Status
Policy Or Program		
B5	Continue to maintain streets to ensure maximum useful life.	Field Operations has a rigorous pavement maintenance program which overlays primary and secondary arterial roadways and also slurry seals residential streets on a seven-year cycle.
B5.1	Identify other funding sources for roadway maintenance.	Roadway maintenance is currently funded through State Gasoline Tax revenues, which are given to local jurisdictions based on roadway centerline miles. The RTC also provides gas tax funding for maintaining arterial roadways within the Las Vegas Valley.
B6.1	Determine feasibility of seeking a change to state law regarding 1,320-foot limit for Special Improvement Districts.	The state law was changed to 2,640 feet in 1993 (AB 254).
B7	Evaluate transportation facilities and services compliance with American Disabilities Act.	All new construction is checked for ADA compliance according to the most recent available guidance.
B8.1	Evaluate the street network for determination of truck routes.	Traffic Engineering works with Clark County and NDOT to maintain a truck route map that ties in with other agencies. This is periodically reviewed and modified as necessary.
B8.2	Continue installation of truck route signs.	DPW prefers to use the truck route map and not sign all routes. Of more importance are "No Trucks" signs for non-truck routes where problems occur. Traffic Engineering recommends discontinuing this objective.
C1	Support expansion of transit service to serve all areas, particularly areas of transit dependent populations.	DPW has extensively worked with RTC to expand transit services within the city. There are several BRT projects in various phases of planning, design or construction. The city also works with RTC regarding bus stops and turn-outs, and together they are developing a park-and-ride at Oso Blanca/Grand Montecito. DPW is in the process of constructing numerous bus turn-outs.
C2	Support express bus routes and HOV corridors to improve transit service.	DPW has worked with the RTC and other agencies in planning the major freeway upgrades to plan, design and construct HOV lanes.

Policy#	Policy Description	Status
Policy Or Program		
C3	Support the implementation of traffic design features to improve operation of transit vehicles.	Traffic Engineering supports traffic design features, and is constructing many of them on the current BRT projects.
C4	Continue to operate the DTC (Downtown Transportation Center).	The Bonneville Transit Center opened on November 7th, 2010 and is operated by the RTC; the city continues to run its City Ride service through the new facility.
C5	Support public and private organizations which provide paratransit services.	The city supports the RTC's Paratransit Service.
C6.1	Conduct an annual bicycle path network meeting to develop a metropolitan bicycle network.	The formation of the RTC's Non-Motorized Alternative Transportation Mode (Alt Mode) Working Group was generated by the Clark County Advisory Question 10 (2002) Fair Share Transportation Funding Program. The Working Group currently meets bi-monthly as a facilitator of the Alternative Mode Master Plan, a component of the Bicycle and Pedestrian Element of the RTP.
C6.2	Biennial review of Bicycle Plan.	The Alternative Mode Master Plan is owned and maintained annually by the RTC as part of the Bicycle and Pedestrian Element of the RTP.
C6.3	Continue to install bicycle racks at public facilities.	The Department of Leisure Services requests bike racks at all public parks and recreational facilities during the design process; however, there is no formal policy for requiring the racks.
C6.4	Revise zoning ordinances to require bicycle storage facilities in all new multi-family and commercial developments.	The zoning ordinance was not revised. The developer has the option not to provide these facilities.
C7.1	Develop a comprehensive City pedestrian plan.	A pedestrian plan was not drafted. Many of the recommendations in such a plan may be found in other Master Plan elements.

Policy#	Policy Description	Status
Policy Or Program		
C8.1	Develop a multi-use trail system.	The Transportation Trails and Recreation Trails Elements of the Las Vegas 2020 Master Plan were adopted January 16, 2002. An update was adopted January 20, 2005. DPW is currently field-verifying and logging the pedestrian paths and multi-use trails for accurate data.
C9	Pursue development of a super speed train.	The city assists private efforts in the planning of a super speed train from Las Vegas to Southern California.
D1	Continued city participation on RTC committees.	The city participates on the Executive Advisory and Utility Coordination Committees; Metropolitan Planning, Operations and Specifications Subcommittees; and the Alt Mode Work Group.
D2	Require circulation improvements to be in conformance with local and regional circulation plans.	Improvements are generally required to conform to the Master Plan of Streets and Highways.
D3	Coordinate with RTC in development of an intermodal circulation system.	DPW, in conjunction with RTC, continues to extensively support programs to encourage development of pedestrian, bicycle, and bus systems.
D4	Coordinate with Clark County regarding the Nuclear Waste Repository Program.	The Planning and Development Department does not currently coordinate with Clark County regarding the Nuclear Waste Repository Program.
D5.1	Continue the Safe Route to School Program.	The program has been renamed "Suggested Routes to School," and is reevaluated annually.
D5.2	Develop standards for installation of school speed zones and speed limit flashers.	Speed zone and signal standards have been developed by RTC per NRS. The city conforms with these standards.

Policy#	Policy Description	Status
Policy Or Program		
E1	Utilize system management techniques to aid in improving roadway level of service to help reduce air pollution.	These techniques are implemented by FAST.
E2.1	Cooperate with RTC in developing and promoting TDM techniques for city of Las Vegas employers and developers.	The city participates in the RTC's Club Ride program, offering benefits to those who carpool.
E2.2	Continue to offer Share-A-Ride program to city employees.	RTC's Club Ride enlists private companies and public entities, including the city, in a program that encourages carpooling, biking, walking and public transit. Participants are enrolled through the city's designated Transportation Coordinator.
E2.3	Evaluate impact of four-day work week for City employees on traffic during peak hours.	It is not known whether a study was conducted. Some departments have already implemented a four-day work week.

APPENDIX B: PUBLIC PARTICIPATION

The Planning and Development Department facilitated the following neighborhood meetings to present the Transportation and Streets and Highways Element:

Monday, March 24, 2008

6:30 p.m.
Mirabelli Community Center (Special Events Room)
6200 Hargrove Avenue
Las Vegas, Nevada 89107

Tuesday, March 25, 2008

6:30 p.m.
Centennial Hills Community Center (Classroom #4)
6601 North Buffalo Drive
Las Vegas, NV 89131

Wednesday, March 26, 2008

6:30 p.m.
Rafael Rivera Community Center (Classroom A)
2900 Stewart Avenue
Las Vegas, NV 89101

Presentation of the draft Transportation and Streets and Highways Element to the Planning Commission was made on February 12, 2009.

Presentation of the draft Transportation and Streets and Highways Element was made to the City Council on March 18, 2009.

The City Council adopted the element on April 15, 2009.

APPENDIX C: SCHEDULE 13-1A

Street Name	Between	Width	Right-of-Way Split	City Council Action #
Alexander Road	Approximately 400' west of the Hualapai Centerline to approximately 1700' East of the Hualapai Centerline	100'	Special design	MSH-7-98
Alta	Martin L. King Boulevard to Rancho Drive	100'	N 60'/40' S	MSH-7-98
Azure	US 95 to Tenaya	90'	N 45'/45' S	MSH-7-98
Craig	US 95 to Rancho Drive	150'	N 75'/75' S	MSH-3453
Craig	Durango Drive to US 95	100'	N 50'/50' S	MSH-3453
Fremont Street	Main Street to Ninth Street	80'	W 40'/40' E	*Prior code
Fremont Street	Ninth Street to Seventeenth Street	90'	W 45'/45' E	*Prior code
Grand Montecito	Durango Drive to Centennial Parkway	90'	W 50'/40' E	MSH13509
Grand Montecito	Centennial Parkway to Elkhorn	90'	W 45'/45' E	MSH-1-00
Grand Montecito	Elkhorn to Durango	90'	W 45'/45' E	MSH-2-00
Hualapai Way	Curves to the East into Alexander road approximately 1800' south of the Alexander Road Centerline	100'	Special design	MSH-7-98
Jones	Grand Teton to North City limit	90'	W 50'/40' E	MSH 3453
Las Vegas Boulevard	Sahara to Fourth Street	120'	W 60'/ 60' E	MSH-29429
Las Vegas Boulevard	Fourth Street to Charleston Boulevard	100'	W 50'/ 50' E	MSH-29429
Las Vegas Boulevard	Charleston Boulevard to Stewart Avenue	90'	W 45'/45' E	*Prior code
Las Vegas Boulevard	Stewart Avenue to Mesquite Avenue	Transition	W varies/45' E	*Prior code
Las Vegas Boulevard	Mesquite Avenue to Bonanza Road	100'	W 55'/45' E	*Prior code
Main Street	Approximately 180' south of Stewart Avenue south r/w line to approximately 160' north of Bridger Avenue north r/w line	88'	W 48'/40' E	*Prior code
Main Street	Approximately 160' north of Bridger Avenue north r/w line to Las Vegas Boulevard South	90'	W 45'/45' E	*Prior code
Mocassin Road	Kyle Canyon Road to Thom Boulevard	100'	N 50'/50' S	MSH-1-99, MSH-6-02
Rancho	Vegas to US 95	125', 200'	Equal	MSH-3453
Tropical Parkway	Cimmaron to US 95	90'	N 45'/45' S	MSH-7-98
Westcliff Drive	Rainbow Boulevard to Durango Drive	100'	N 60'/40' S	Per drawing 107-v957 approved - 5/6/1976
Marion Drive	Owens Avenue to East Monroe Avenue	70'	W 40'/30' E	Private improvement

*(Ord. 2231 § 2 (part), 1981: prior code § 9-11-8(A)(1, 2, 3))

AGENDA SUMMARY PAGE
RECOMMENDING COMMITTEE OF: JUNE 19, 2012

DEPARTMENT: CITY ATTORNEY

DIRECTOR: BRADFORD R. JERBIC

☐ Consent ☒ Discussion

SUBJECT:

Bill No. 2012-24 - For Possible Action - Repeals the Code chapter pertaining to the Master Plan of Streets and Highways and replaces it with a chapter pertaining to planned streets and highways. (TXT-40405) Proposed by: Flinn Fagg, Director of Planning

Fiscal Impact

☒

No Impact

☐

Augmentation Required

☐

Budget Funds Available

Amount:

Funding Source:

Dept./Division:

PURPOSE/BACKGROUND:

This bill will repeal the Code chapter pertaining to the Master Plan of Streets and Highways (Chapter 13.12) and replace it with a chapter pertaining to planned streets and highways. For a number of years Chapter 13.12 functioned as a part of the City's Master Plan. It is no longer needed for that function; the City's Master Plan now includes an element to specifically address transportation and streets and highways. The replacement chapter created by this bill will establish standards applicable to the types of streets and highways that are referenced in the Master Plan.

RECOMMENDATION:

This bill should be submitted to a Recommending Committee for review, hearing and recommendation to the City Council for final action.

BACKUP DOCUMENTATION:

1. Bill No. 2012-24
2. Business Impact Statement

BILL NO. 2012-24

ORDINANCE NO. _____

AN ORDINANCE TO REPEAL THE CODE CHAPTER PERTAINING TO THE MASTER PLAN OF STREETS AND HIGHWAYS AND REPLACE IT WITH A CHAPTER PERTAINING TO PLANNED STREETS AND HIGHWAYS, AND TO PROVIDE FOR OTHER RELATED MATTERS.

Proposed by: Flinn Fagg, Director of Planning

Summary: Repeals the Code chapter pertaining to the Master Plan of Streets and Highways and replaces it with a chapter pertaining to planned streets and highways.

THE CITY COUNCIL OF THE CITY OF LAS VEGAS DOES HEREBY ORDAIN
AS FOLLOWS:

SECTION 1: Title 13, Chapter 12, of the Municipal Code of the City of Las Vegas, Nevada, 1983 Edition, is hereby repealed in its entirety.

SECTION 2: Title 13 of the Municipal Code of the City of Las Vegas, Nevada, 1983 Edition, is hereby amended by adding thereto a new Chapter 12, consisting of Sections 10 to 170, inclusive, set forth below:

13.12.010: The purpose of this Chapter is to establish guidelines for planned streets and highways that correspond to and are in conformance with the elements of the City's Master Plan that pertain to transportation and streets and highways.

13.12.020: The Planned Streets and Highways Map and the schedule of exceptions designated as "Schedule 13-1A" that are attached to the Ordinance codified in this Chapter (Ordinance No. ____), together with subsequent amendments thereto, are hereby adopted by reference and made a part of this Chapter as if fully set forth herein. In this Chapter, the Planned Streets and Highways Map shall be referred to as the "Map" and Schedule 13-1A as "Schedule 13-1A."

13.12.030: "Planned streets and highways" shall denote streets and highways of importance to the City and on which preference is given to the through movement of traffic. Planned streets and highways shall consist of the following streets and highways designated as such on the Map and on Schedule 13-1A:

(A) All highways designated as Federal highways;

1 (B) All highways designated as State highways, including the corresponding
2 frontage roads;

3 (C) Section line roads designated by the Planning Commission; and

4 (D) Other streets and highways, existing or proposed, that have been so designated
5 in order to carry out the purposes of this Chapter.

6 **13.12.040:** For the purposes of function, the planned streets and highways designated as such on
7 the Map and on Schedule 13-1A are the following:

8 (A) Major thoroughfare:

9 (1) Freeway: A divided highway with one-hundred-fifty-foot-wide
10 minimum right-of-way and classified as “controlled access”; a high-speed road with grade-separated
11 interchanges.

12 (2) Expressway: A divided highway with a one-hundred-fifty foot-wide
13 minimum right-of-way and classified as “limited access”; a high-speed road with at-grade, cross-
14 traffic intersections.

15 (B) Primary thoroughfare:

16 (1) Parkway arterial: A street or highway which has a minimum right-of-
17 way width of one hundred twenty feet; an existing or potential design capacity of three or more travel
18 lanes of traffic in each direction, divided by a landscape median; and, within the right-of-way, nineteen
19 feet on each side of the roadway reserved for sidewalks and landscape.

20 (2) Primary arterial: A street or highway which has a minimum right-of-
21 way width of one hundred six feet and an existing or potential design capacity of three travel lanes of
22 traffic in each direction, divided by a raised median with left turn pockets. A primary arterial within
23 a proposed development that is adjacent to existing improvements may have a lesser right-of-way
24 width if the Director of Public Works, pursuant to LVMC 19.04.010, has determined that the complete
25 streets standards set forth in Chapter 19.04 need not apply to that primary arterial street.

26 (C) Secondary thoroughfare:

27 (1) Major collector: A street or highway which has a minimum right-of-
28 way width of eighty feet and an existing or potential design capacity of two travel lanes of traffic in

each direction, with a center turn lane or a raised median with left turn pockets.

13.12.050: Minor streets shall include all streets not designated as planned streets and highways on the Map and on Schedule 13-1A.

13.12.060: (A) For the purposes of function, minor streets are classified as follows:

(1) Minor collector: A street which has a minimum right-of-way width of sixty feet which collects traffic from local streets and distributes it to major collector or arterial streets.

(2) Residential street: A street with which is designed to carry residential traffic between minor collectors.

(3) Local street: Any street which is designed to carry a combination of light commercial and residential traffic between minor collectors, major collectors and primary arterials that does not function as a collector or arterial.

(4) Local access or service road: A street or that portion of a major or secondary thoroughfare lying outside the principal roadway designed to provide frontage for individual lots and which primarily carries traffic having a destination or origin on the street itself.

(B) The locations of minor streets are not shown on the Map and on Schedule 13-1A, but such streets shall be subject to any provisions of this Chapter that apply to minor streets.

13.12.070: Except as otherwise provided in this Chapter, the minimum right-of-way widths which shall be provided for planned streets and highways shall be as follows:

Classification	Minimum Right-of-Way Width (feet)
Major thoroughfare	
Freeway or expressway	150
Primary thoroughfare	
Parkway arterial	120
Primary arterial	106 (subject to LVMC 13.12.040(B)(2))
Secondary thoroughfare	
Major collector	80

13.12.080: Exceptions to the right-of-way minimums set forth in LVMC 13.12.070 shall be as shown on the Map and described on Schedule 13-1A.

1 **13.12.090:** The minimum right-of-way (property line) radii requirements and curblane radii
2 requirements for intersections of planned streets and highways shall be in accordance with City
3 Standards, as defined in the most recent editions of the Uniform Standard Specifications for Public
4 Works Construction Off-Site Improvements, Clark County, Nevada, and the Standard Drawings for
5 Public Works Construction Off-Site Improvements, Clark County, Nevada. However, the minimum
6 right-of-way radii for intersections of planned streets and highways within the area bounded by Eighth
7 Street, Main Street, Bonanza Road and Charleston Boulevard shall be ten feet.

8 **13.12.100:** It is intended that the right-of-way widths set forth in LVMC 13.12.070 represent
9 minimum requirements only and that wider rights-of-way or larger radii distances be provided where
10 design criteria indicate the need therefor. In such cases, the wider rights-of-way shall be indicated on
11 the Map and on Schedule 13-1A.

12 **13.12.110:** The City Council may grant exceptions to the minimum right-of-way widths required
13 by this Chapter, in addition to those described in this Chapter, where such exceptions are deemed
14 necessary. Any proposed exceptions shall be processed as in the case of a General Plan Amendment
15 under Title 19. Exceptions approved by the City Council shall thereafter be indicated on the Map and
16 on Schedule 13-1A.

17 **13.12.120:** With respect to any planned street or highway located on a section line, the section line
18 shall be the centerline unless the City Council establishes a different centerline by means of an
19 application processed as in the case of a General Plan Amendment under Title 19. With respect to any
20 proposed or existing planned street or highway which does not follow a predetermined line, the
21 location of the centerline in each case shall be established by action of the City Council by means of
22 an application for approval of a special design. Such an application shall be processed as in the case
23 of a General Plan Amendment under Title 19. In the case of a centerline established by Council action
24 under this Section, the centerline shall thereafter be indicated on the Map and described on Schedule
25 13-1A, except that in master planned communities subject to a development agreement, centerlines
26 that are described in the development agreement need not be reflected on Schedule 13-1A.

27 **13.12.130:** The layout of subdivisions and setback requirements on land adjacent to planned streets
28 and highways and minor streets, and the right-of-way widths of planned streets and highways and

1 minor streets, are set forth in the subdivision, building and zoning regulations contained in this Code.
2 These rules and regulations have been prepared in order to further promote and aid in the development
3 of planned streets and highways and minor streets, and for other purposes.

4 **13.12.140:** All buildings or structures to be built along any planned street or highway shall be set
5 back from the centerline of any existing or proposed planned street or highway a distance equal to one-
6 half the proposed right-of way width, plus the distance required by the particular zone in which the
7 property is located, unless an ordinance is adopted to establish a distance other than one-half the
8 proposed right-of-way width. With respect to any building or structure located at any intersection
9 described in LVMC 13.12.090, the foregoing setback requirements shall be increased to conform to
10 the property line radius specified in that Section.

11 **13.12.150:** Whenever the owner or developer of property which abuts any proposed or existing
12 planned street or highway (other than a freeway or expressway) is required by this Code, or by any
13 other law or regulation, to dedicate land for a planned street or highway, the dedication shall consist
14 of one-half the proposed right-of-way width, unless a different dedication width is designated on the
15 Map and on Schedule 13-1A. Where the same person owns or develops the property on both sides
16 of any proposed or existing planned street or highway, the required dedication shall be the entire right-
17 of-way width. Any such dedication shall include, in addition to the above requirements, any additional
18 right-of-way necessary:

19 (A) To conform to the property line radius as described in LVMC 13.12.090; and

20 (B) To conform to the requirements of the most recent version of the Clark County
21 Area Uniform Standard Drawing 201.1.

22 **13.12.160:** In the event of any discrepancy between the Map and Schedule 13-1A, the Director of
23 Public Works is authorized to determine which document is correct. The document that is determined
24 not be correct shall be corrected, or the documents otherwise reconciled, as follows:

25 (A) By administrative action of the Director where the document that is correct has
26 been properly adopted; or

27 (B) By means of LVMC 13.12.170, otherwise.

28 **13.12.170:** The City Council may amend the Map and Schedule 13-1A from time to time by means

1 of ordinance or resolution. Any amendment shall first be processed as in the case of a text amendment
2 under Section 19.16.220 of the Unified Development Code.

3 SECTION 2: If any section, subsection, subdivision, paragraph, sentence, clause or
4 phrase in this ordinance or any part thereof is for any reason held to be unconstitutional or invalid or
5 ineffective by any court of competent jurisdiction, such decision shall not affect the validity or
6 effectiveness of the remaining portions of this ordinance or any part thereof. The City Council of the
7 City of Las Vegas hereby declares that it would have passed each section, subsection, subdivision,
8 paragraph, sentence, clause or phrase thereof irrespective of the fact that any one or more sections,
9 subsections, subdivisions, paragraphs, sentences, clauses or phrases be declared unconstitutional,
10 invalid or ineffective.

11 SECTION 3: All ordinances or parts of ordinances or sections, subsections, phrases,
12 sentences, clauses or paragraphs contained in the Municipal Code of the City of Las Vegas, Nevada,
13 1983 Edition, in conflict herewith are hereby repealed.

14 PASSED, ADOPTED and APPROVED this ____ day of _____, 2012.

15 APPROVED:

16
17 By _____
18 CAROLYN G. GOODMAN, Mayor

19 ATTEST:

20 _____
21 BEVERLY K. BRIDGES, MMC
City Clerk

22 APPROVED AS TO FORM:

23 Val Steed 5-22-12
24 Date

1 The above and foregoing ordinance was first proposed and read by title to the City Council on the
2 _____ day of _____, 2012, and referred to a committee for recommendation, the
3 committee being composed of the following members _____
4 _____; thereafter the said committee reported favorably on said ordinance on the
5 _____ day of _____, 2012, which was a _____ meeting of said
6 Council; that at said _____ meeting, the proposed ordinance was read by title
7 to the City Council as first introduced and adopted by the following vote:

8 VOTING "AYE": _____
9 VOTING "NAY": _____
10 ABSENT: _____

11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28

APPROVED:

By _____
CAROLYN G. GOODMAN, Mayor

ATTEST:

BEVERLY K. BRIDGES, MMC
City Clerk

BUSINESS IMPACT STATEMENT
BILL NO. 2012-24

(Repeals the Code chapter pertaining to the Master Plan of Streets and Highways and replaces it with a chapter pertaining to planned streets and highways)

This business impact statement was prepared pursuant to NRS 237.090 to address the impact of a proposed ordinance, Bill No. 2012-24, that would repeal the Code chapter pertaining to the Master Plan of Streets and Highways and replace it with a chapter pertaining to planned streets and highways.

1. The following constitutes a description of the number of the manner in which comment was solicited from affected businesses, a summary of their responses and an explanation of the manner in which other interested persons may obtain a copy of the summary.

Not applicable

2. The estimated economic effect of the proposed rule on businesses, including, without limitation, both adverse and beneficial effects, and both direct and indirect effects:

Adverse effects:

None

Beneficial effects:

None

Direct effects:

None

Indirect effects:

None

3. The following constitutes a description of the methods the local government considered to reduce the impact of the proposed rule on businesses and a statement regarding whether any, and if so which, of these methods were used:

Not applicable

4. The governing body estimates the annual cost to the local government for enforcement of the proposed rule is:

Not applicable

5. If the proposed rule provides for a new fee or increases an existing fee, the total annual amount expected to be collected is:

Not applicable

6. If the proposed rule provides for a new fee or increases an existing fee, the money generated by the new fee or increase in existing fee will be used by the local government to:

Not applicable

7. If the proposed rule includes provisions that duplicate or are more stringent than federal, state or local standards regulating the same activity, the following explains when such duplicative or more stringent provisions are necessary:

Not applicable

Date: May 22, 2012

AGENDA SUMMARY PAGE
RECOMMENDING COMMITTEE MEETING OF: JUNE 19, 2012

DEPARTMENT: CITY ATTORNEY

DIRECTOR: BRADFORD R. JERBIC

☐ Consent ☒ Discussion

SUBJECT:

Bill No. 2012-25 - For Possible Action - Adopts an updated Conservation Element of the Las Vegas 2020 Master Plan. Proposed by: Flinn Fagg, Director of Planning

Fiscal Impact

☒

No Impact

☐

Augmentation Required

☐

Budget Funds Available

Amount:

Funding Source:

Dept./Division:

PURPOSE/BACKGROUND:

In 2002 the City Council adopted the Conservation Element of the Las Vegas 2020 Master Plan, which was updated by Council action in 2005. This bill will formally adopt the most recent update, which was approved by Council vote on May 2, 2012.

RECOMMENDATION:

This bill should be submitted to a Recommending Committee for review, hearing and recommendation to the City Council for final action.

BACKUP DOCUMENTATION:

Bill No. 2012-25

1 **BILL NO. 2012-25**

2 **ORDINANCE NO. _____**

3 **AN ORDINANCE TO ADOPT AN UPDATED CONSERVATION ELEMENT OF THE LAS**
4 **VEGAS 2020 MASTER PLAN, AND TO PROVIDE FOR OTHER RELATED MATTERS.**

5 Proposed by: Flinn Fagg, Director of Planning Summary: Adopts an updated Conservation
6 Element of the Las Vegas 2020 Master Plan.

7 **THE CITY COUNCIL OF THE CITY OF LAS VEGAS DOES HEREBY ORDAIN**
8 **AS FOLLOWS:**

9 **SECTION 1:** The document entitled "Conservation Element," the essential contents
10 of which were approved by the City Council on May 2, 2012, is hereby adopted as a part of the Las
11 Vegas 2020 Master Plan and is incorporated therein by this reference. The document so identified
12 shall function as the Conservation Element of the Las Vegas 2020 Master Plan, and shall replace and
13 supersede:

14 (A) The previous version of the Conservation Element that was adopted on
15 November 6, 2002, by means of Ordinance No. 5529;

16 (B) Any updates to that Element that have been approved by the City Council
17 between 2002 and the adoption date of this Ordinance; and

18 (C) Any Master Plan element pertaining to water that previously was adopted by
19 the City Council.

20 **SECTION 2:** The Department of Planning is authorized to:

21 (A) Include the date of the adoption of this Ordinance within or upon the document
22 referred to in Section 1 at such locations as are designed to reflect the date of the adoption of this
23 Ordinance;

24 (B) Publish the document in final form; and

25 (C) File the final document with the City Clerk.

26 **SECTION 3:** If any section, subsection, subdivision, paragraph, sentence, clause or
27 phrase in this ordinance or any part thereof is for any reason held to be unconstitutional or invalid or
28 ineffective by any court of competent jurisdiction, such decision shall not affect the validity or

1 effectiveness of the remaining portions of this ordinance or any part thereof. The City Council of the
2 City of Las Vegas hereby declares that it would have passed each section, subsection, subdivision,
3 paragraph, sentence, clause or phrase thereof irrespective of the fact that any one or more sections,
4 subsections, subdivisions, paragraphs, sentences, clauses or phrases be declared unconstitutional,
5 invalid or ineffective.

6 SECTION 4: All ordinances or parts of ordinances or sections, subsections, phrases,
7 sentences, clauses or paragraphs contained in the Municipal Code of the City of Las Vegas, Nevada,
8 1983 Edition, in conflict herewith are hereby repealed.

9 PASSED, ADOPTED and APPROVED this ____ day of _____, 2012.

10 APPROVED:

11 By _____
12 CAROLYN G. GOODMAN, Mayor

13 ATTEST:

14 _____
15 BEVERLY K. BRIDGES, MMC
City Clerk

16 APPROVED AS TO FORM:

17 Val Steed 5-22-12
18 Date

1 The above and foregoing ordinance was first proposed and read by title to the City Council on the
2 ____ day of _____, 2012, and referred to a committee for recommendation, the
3 committee being composed of the following members _____
4 _____; thereafter the said committee reported favorably on said ordinance on the
5 ____ day of _____, 2012, which was a _____ meeting of said
6 Council; that at said _____ meeting, the proposed ordinance was read by title
7 to the City Council as first introduced and adopted by the following vote:

8 VOTING "AYE": _____

9 VOTING "NAY": _____

10 ABSENT: _____

11

12 APPROVED:

13

14 By _____
CAROLYN G. GOODMAN, Mayor

15 ATTEST:

16

17 BEVERLY K. BRIDGES, MMC
City Clerk

18

19

20

21

22

23

24

25

26

27

28

AGENDA SUMMARY PAGE
RECOMMENDING COMMITTEE MEETING OF: JUNE 19, 2012

DEPARTMENT: CITY ATTORNEY

DIRECTOR: BRADFORD R. JERBIC

☐ Consent ☒ Discussion

SUBJECT:

Bill No. 2012-26 - For Possible Action - Extends on a temporary basis the display periods for temporary special event signs. Sponsored by: Councilman Steven D. Ross

Fiscal Impact

☒

No Impact

☐

Augmentation Required

☐

Budget Funds Available

Amount:

Funding Source:

Dept./Division:

PURPOSE/BACKGROUND:

Title 19 of the Municipal Code and other planning documents generally limit the time periods for the display of temporary special event signs to 4 times in any one calendar year, with the aggregate time of display not to exceed 60 days in any one calendar year. This bill will temporarily 1) increase the display occasions to 8 times in any one calendar year (new licensees) and 6 times in any one calendar year (all others), and 2) increase the aggregate display time to 180 days per calendar year (new licensees) and 120 days (all others). The increases will expire in 2 years unless otherwise provided by future ordinance.

RECOMMENDATION:

This bill should be submitted to a Recommending Committee for review, hearing and recommendation to the City Council for final action.

BACKUP DOCUMENTATION:

Bill No. 2012-26

1 BILL NO. 2012-26

2 ORDINANCE NO. _____

3 AN ORDINANCE TO EXTEND ON A TEMPORARY BASIS THE DISPLAY PERIODS FOR
4 TEMPORARY SPECIAL EVENT SIGNS, AND TO PROVIDE FOR OTHER RELATED
MATTERS.

5 Sponsored by: Councilman Steven D. Ross

Summary: Extends on a temporary basis the
display periods for temporary special event
signs.

7 THE CITY COUNCIL OF THE CITY OF LAS VEGAS DOES HEREBY ORDAIN
8 AS FOLLOWS:

9 WHEREAS, LVMC 19.08.120(G)(1) authorizes the use of temporary special event
10 signs under certain circumstances and makes them subject to certain limitations, as follows:

11 **Temporary special event signs may be displayed by the same business license**
12 **holder on the same lot up to four times in any one calendar year. The aggregate**
time of display of such signs shall not exceed sixty days in any one calendar year.

13 AND WHEREAS, those calendar-year limitations (the “calendar-year limitations”) are
14 also generally made applicable by the Town Center Development Standards to property subject to
15 those Standards; and

16 WHEREAS, in addition, the use of temporary special event signs is allowed subject
17 to those limitations in certain other planned areas within the City by means of the specific standards
18 applicable thereto, either by means of incorporating by reference the LVMC provisions or by analogy;
19 and

20 WHEREAS, the City Council desires to temporarily allow such signage, where it is
21 allowed at all, on a more frequent basis than is presently allowed under Title 19 and the other
22 applicable standards.

23 NOW, THEREFORE, BASED UPON THE FOREGOING, THE CITY COUNCIL
24 DOES HEREBY ORDAIN AS FOLLOWS:

25 SECTION 1: Notwithstanding any contrary provision of LVMC Title 19 or of any
26 development standard or regulatory document adopted thereunder, but subject to the provisions of
27 Sections 2 to 4, inclusive, of this Ordinance, the calendar-year limitations, as they are made applicable
28 to various areas within the City in the manner described above, are temporarily adjusted to read as

1 follows:

2 **Temporary special event signs may be displayed by the same business license**
3 **holder on the same lot up to eight times in any one calendar year, for new**
4 **licensees, and six times in any one calendar year for all others. The aggregate**
5 **time of display of such signs shall not exceed one hundred eighty days in any one**
6 **calendar year, for new licensees, and one hundred twenty days for all others. For**
7 **purposes of this Paragraph, “new licensee” means a licensee whose license for the**
8 **business to be advertised was issued by the City no earlier than one year before**
9 **the date on which application is made for a sign certificate to authorize a**
10 **temporary special event sign.**

11 SECTION 2: All signs authorized by this Ordinance are subject to all other applicable
12 provisions of Title 19 and other applicable standards governing signs, including without limitation the
13 applicable provisions governing the application and approval process, and the requirement to properly
14 maintain such signs. Signs that are faded, torn or in a similar state of deterioration must be
15 immediately removed, repaired or replaced.

16 SECTION 3: This Ordinance shall not apply to any location within any of the
17 following areas subject to an area or master plan:

18 (A) Cliff’s Edge (Providence);

19 (B) Summerlin;

20 (C) Symphony Park; or

21 (D) Any other area in which temporary special event signs are not permitted.

22 SECTION 4: Unless otherwise extended or modified by ordinance, this Ordinance
23 shall expire by limitation on July 1, 2014, and the display period for any temporary special event sign
24 that is issued a sign certificate after that date shall be subject to the applicable calendar-year
25 limitations that would be in effect independent of this Ordinance.

26 ...

27 ...

28 ...

...

...

...

...

SECTION 5: If any section, subsection, subdivision, paragraph, sentence, clause or phrase in this ordinance or any part thereof is for any reason held to be unconstitutional or invalid or ineffective by any court of competent jurisdiction, such decision shall not affect the validity or effectiveness of the remaining portions of this ordinance or any part thereof. The City Council of the City of Las Vegas hereby declares that it would have passed each section, subsection, subdivision, paragraph, sentence, clause or phrase thereof irrespective of the fact that any one or more sections, subsections, subdivisions, paragraphs, sentences, clauses or phrases be declared unconstitutional, invalid or ineffective.

PASSED, ADOPTED and APPROVED this _____ day of _____, 2012.

APPROVED:

By CAROLYN G. GOODMAN, Mayor

ATTEST:

BEVERLY K. BRIDGES, MMC
City Clerk

APPROVED AS TO FORM:

Val Steed 5-22-12
Date

1 The above and foregoing ordinance was first proposed and read by title to the City Council on the
2 _____ day of _____, 2012, and referred to a committee for recommendation, the
3 committee being composed of the following members _____
4 _____; thereafter the said committee reported favorably on said ordinance on the
5 _____ day of _____, 2012, which was a _____ meeting of said
6 Council; that at said _____ meeting, the proposed ordinance was read by title
7 to the City Council as first introduced and adopted by the following vote:

8 VOTING "AYE": _____
9 VOTING "NAY": _____
10 ABSENT: _____

11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28

APPROVED:

By _____
CAROLYN G. GOODMAN, Mayor

ATTEST:

BEVERLY K. BRIDGES, MMC
City Clerk

AGENDA SUMMARY PAGE
RECOMMENDING COMMITTEE MEETING OF: JUNE 19, 2012

DEPARTMENT: CITY ATTORNEY

DIRECTOR: BRADFORD R. JERBIC

☐ Consent ☒ Discussion

SUBJECT:

Bill No. 2012-27 - For Possible Action - Authorizes the reestablishment of certain types of nonconforming uses under specified circumstances. Sponsored by: Councilman Bob Coffin

Fiscal Impact

☒

No Impact

☐

Augmentation Required

☐

Budget Funds Available

Amount:

Funding Source:

Dept./Division:

PURPOSE/BACKGROUND:

This bill will authorize the reestablishment of certain types of nonconforming uses under specified circumstances. In particular, the bill will apply to tavern and sexually oriented business uses that have been terminated and not yet reestablished because of government licensing and forfeiture actions.

RECOMMENDATION:

This bill should be submitted to a Recommending Committee for review, hearing and recommendation to the City Council for final action.

BACKUP DOCUMENTATION:

1. Bill No. 2012-27
2. Letter from Michael R. Mushkin and Associates and Memo by City Attorney Brad Jerbic submitted at the June 6, 2012 City Council Meeting

1 **BILL NO. 2012-27**

2 **ORDINANCE NO. _____**

3 AN ORDINANCE TO AUTHORIZE THE REESTABLISHMENT OF CERTAIN TYPES OF
4 NONCONFORMING USES UNDER SPECIFIED CIRCUMSTANCES, AND TO PROVIDE FOR
OTHER RELATED MATTERS.

5 Sponsored by: Councilman Bob Coffin

Summary: Authorizes the reestablishment of
certain types of nonconforming uses under
specified circumstances.

7 THE CITY COUNCIL OF THE CITY OF LAS VEGAS DOES HEREBY ORDAIN
8 AS FOLLOWS:

9 SECTION 1: A parcel of land that has been used for the operation of a sexually
10 oriented business with a tavern license, but whose use for that purpose has been discontinued and
11 would now be prohibited or restricted under current zoning regulations, may be used again for the
12 operation of a sexually oriented business, tavern, or both, in accordance with the provisions of Section
13 2 of this Ordinance, but if and only if the following criteria exist:

14 (A) The previous sexually oriented business and tavern, when first established, were
15 lawfully established at that location under applicable zoning regulations, whether because no distance
16 separation limitations existed to prohibit their establishment or because the uses so established were
17 the first such uses established within the area;

18 (B) The discontinuance of the parcel for the operation of a sexually oriented
19 business with a tavern license was the result of government licensing action that made continued
20 operation impossible or not feasible; and

21 (C) Immediate reestablishment of that use of the parcel was made difficult or not
22 feasible by reason of forfeiture of the parcel to the government and the government's subsequent
23 ownership thereof.

24 SECTION 2: A parcel that meets the criteria described in Section 1 of this Ordinance
25 may be used again for the operation of a sexually oriented business, tavern, or both, but only if:

26 (A) All necessary licensing and zoning-related approvals are obtained and all zoning
27 regulations complied with, other than those that otherwise would prohibit the reestablishment of either
28 or both of those uses; and

1 (B) The use of the parcel for a sexually oriented business, tavern, or both is
2 reestablished within one year after the effective date of this Ordinance.

3 SECTION 3: The provisions of Sections 1 and 2 of this Ordinance shall apply
4 notwithstanding any provision of LVMC Title 19 to the contrary.

5 SECTION 4: If any section, subsection, subdivision, paragraph, sentence, clause or
6 phrase in this ordinance or any part thereof is for any reason held to be unconstitutional or invalid or
7 ineffective by any court of competent jurisdiction, such decision shall not affect the validity or
8 effectiveness of the remaining portions of this ordinance or any part thereof. The City Council of the
9 City of Las Vegas hereby declares that it would have passed each section, subsection, subdivision,
10 paragraph, sentence, clause or phrase thereof irrespective of the fact that any one or more sections,
11 subsections, subdivisions, paragraphs, sentences, clauses or phrases be declared unconstitutional,
12 invalid or ineffective.

13 PASSED, ADOPTED and APPROVED this ____ day of _____, 2012.

14 APPROVED:

15 By _____
16 CAROLYN G. GOODMAN, Mayor

17 ATTEST:

18 _____
19 BEVERLY K. BRIDGES, MMC
City Clerk

20 APPROVED AS TO FORM:

21 Val Stead 5-23-12
22 Date
23
24
25
26
27
28

1 The above and foregoing ordinance was first proposed and read by title to the City Council on the
2 ____ day of _____, 2012, and referred to a committee for recommendation, the
3 committee being composed of the following members _____
4 _____; thereafter the said committee reported favorably on said ordinance on the
5 ____ day of _____, 2012, which was a _____ meeting of said
6 Council; that at said _____ meeting, the proposed ordinance was read by title
7 to the City Council as first introduced and adopted by the following vote:

8 VOTING "AYE": _____
9 VOTING "NAY": _____
10 ABSENT: _____

11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28

APPROVED:

By _____
CAROLYN G. GOODMAN, Mayor

ATTEST:

BEVERLY K. BRIDGES, MMC
City Clerk

Memorandum

City of Las Vegas Office of the City Attorney

To: Mayor Carolyn G. Goodman
Councilman Stavros S. Anthony
Councilwoman Lois Tarkanian
Councilman Steven D. Ross
Councilman Ricki Y. Barlow
Councilman Bob Coffin
Councilman Bob Beers
City Manager Elizabeth Fretwell

From: Bradford R. Jerbic, City Attorney *BJ*

Date: May 15, 2012

Re: **The Power Company, Inc. d/b/a Crazy Horse Too**

The following is a time line of the events regarding Crazy Horse Too:

The Power Company, Inc. d/b/a Crazy Horse Too held a privileged liquor license and an erotic dance license issued by the City of Las Vegas. Fredrick (Rick) Rizzolo was listed as a 95% owner and manager of the business.

- 9/20/2001 Kirk Henry, a customer, was seriously injured in an altercation at the Crazy Horse Too.
- 2001-2006 Kirk Henry initiates and pursues civil litigation against the Crazy Horse Too and its employees. The United States also pursues a criminal investigation against the business and Rizzolo.
- 6/1/2006 The Power Company, Inc. enters a negotiated guilty plea to one count of Conspiracy to Participate in an Enterprise Engaged in Racketeering Activity. The Criminal Information alleged that the conspiracy took place from 2000 to 2005, a period of 2,192 days. The Plea Memorandum, however, stated that the conspiracy took place between 2000 and 2003, a period of 1,461 days.
- Rick Rizzolo and 16 employees of the business also entered pleas to various federal charges.
- 9/6/2006 The Las Vegas City Council held a hearing on a disciplinary complaint regarding the liquor license for the Crazy Horse Too. The Council, based upon the criminal convictions and supporting documents, revoked the

Submitted at City Council

Date *6/6/2012* *61*

By: *Brad Jerbic*

- liquor license and imposed a \$2,192,000 fine. The Council considered the time periods in both the Information and the Plea Memorandum and selected the higher amount in the Information.
- 9/8/2006 The Crazy Horse's Application for Temporary Restraining Order Staying the Revocation and Fine is denied.
- 9/12/2006 The Crazy Horse's Motion for a Preliminary Injunction is denied in part and granted in part. The motion was denied in regards to the revocation of the liquor license. The motion was granted, in part, as to the fine, staying the amount of the fine over \$1,461,000.
- *10/4/2006 Item 46 on the City Council meeting agenda, regarding Temporary Approval of a new Tavern License for Nevada Receivership, LLC, dba Crazy Horse Too, Michael Signorelli, Managing Member, is abeyed to the City Council meeting of October 18, 2006. (*See attached information re: Michael Signorelli's Application for a Liquor License.)
- 10/18/2006 Discussion is held on Item 64, (the abeyed item 46 from the October 4 meeting) and a three-month temporary license is approved for Nevada Receivership, LLC, dba Crazy Horse Too, Michael Signorelli, Managing Member.
- 1/17/2007 Item 51, a three-month review of the Tavern License for Nevada Receivership, LLC, dba Crazy Horse Too, Michael Signorelli, Managing Member, is discussed by the City Council and a 90-day temporary license is approved, subject to conditions.
- 4/18/2007 Item 66, again a three-month review of the Tavern License for Nevada Receivership, LLC, dba Crazy Horse Too, Michael Signorelli, Managing Member, is discussed by the City Council and a permanent license is approved, subject to conditions.
- 6/30/2007 Michael Signorelli surrenders his Tavern License to the City Business Licensing Department.
- 7/11/2007 Item 70, discussion and possible action regarding an Appeal of Suspension of a Tavern License for Nevada Receivership, LLC, dba Crazy Horse Too, Michael Signorelli, managing member is discussed and Signorelli's lawyer represents Signorelli is withdrawing his appeal and agreeing to the permanent handing over of his license as he did voluntarily on June 30.
- 8/10/2007 District Court grants summary judgment in favor of the City for total

May 15, 2012

Page 3

amount of fine \$2,192,000. Matter is appealed to the Nevada Supreme Court.

3/17/2009 Supreme Court reverses grant of summary judgment, holding that the amount of fine in excess of \$1,461,000 is subject of a factual dispute.

3/14/2011 Parties enter into a stipulated judgment setting the fine at \$1,461,000.

BRJ:bac

MICHAEL SIGNORELLI'S
APPLICATION FOR A LIQUOR LICENSE

1. Signorelli presented the City Attorney with an agreement to purchase Crazy Horse Too from Rick Rizzolo for \$45 million, and six successive different operating leases for \$400,000 per month. Each of the first five operating **leases had objectionable language** giving Rizzolo control over Crazy Horse Too, including unlimited access, maintenance of an office in the business, retention of employees who had pled guilty to federal felonies, and the right to veto termination of any employee.
2. **Signorelli** appeared before the City Council and **promised** that if he were given a liquor license **Rick Rizzolo would play no part** in the business, after a short grace period to accommodate a transition. The City Council gave him a three-month temporary license **October 18, 2006.**

THREE MONTHS LATER

3. Signorelli admitted to Jim DiFiore that he had only made \$312,000 in **lease payments** over the last three months. The lease is for \$400,000 per month, for a total of \$1.2 million.
4. Signorelli admitted to Jim DiFiore that he had no experience operating a strip club, the only strip club owner he knew was Rick Rizzolo, and that he has **sought advice from Rizzolo** in the operation of Crazy Horse Too.
5. Signorelli admitted that he had been **paying \$60 per customer to taxicab drivers** who brought customers to Crazy Horse Too. He stated that he was paying more than \$100,000 a month to the drivers. He admitted that he knew this was contrary to law, but then immediately stated that he had been advised by other strip club owners that it was not unlawful.
6. **Steven Crespi's wife** went to work at Crazy Horse Too the day after Michael Signorelli reopened it. She is employed as a cocktail waitress in the V.I.P. Room. Crespi is one of the convicted former employees. Signorelli stated that he knew of this employment, and relationship, for the last two weeks, but had done nothing about it.
7. Signorelli stated that for the first several weeks of his operation of Crazy Horse Too **credit card receipts for the purchase of liquor went into the account of The Power Company, Inc.** That is, our privileged license holder knowingly allowed receipts for the sale of alcohol to be made to the predecessor corporation whose liquor license had been revoked by the City Council. The merchant account was not changed until November 24, 2006.

8. **Signorelli** appeared before the Council and once again **promised that Rick Rizzolo would have no influence** over his operation of the business. The City Council gave him a three-month extension to his temporary liquor license **January 17, 2007**.

MICHAEL SIGNORELLI'S APPLICATION FOR A PERMANENT
LIQUOR LICENSE AT THE CITY COUNCIL MEETING OF APRIL 18, 2007

9. LVMC § 6.06.052 provides:

(A) A temporary license may be issued initially by the City Council for a period not to exceed six months.

(B) **The City Council may grant one extension** of a temporary license for a period not to exceed six months.

(C) When granting a temporary license or extension thereof, the City Council may impose any special conditions and restrictions it deems appropriate. [Emphasis added.]

10. At the last City Council meeting Signorelli told the Council that he **hadn't learned of the employment of Mary Crespi**, the wife of Rick Rizzolo's employee who pled guilty to a federal felony, until two weeks before the meeting. LVMPD's examination of her work card application, dated October 19, 2006, one day after the City Council granted the first temporary liquor license, revealed that Signorelli's signature was on the bottom as employer. He told LVMPD that his signature was forged.
11. Signorelli has endorsed the **key employee application of Gregory Lioce**. Lioce told LVMPD that **Rizzolo** hired him in 1999, and subsequently he became **close friends** with him. Lioce has a federal felony conviction in 1993 for Income Tax Fraud. The FBI approached Lioce during the recent investigation of Rick Rizzolo and sought his assistance. Lioce refused, and according to him demanded immunity from prosecution before he would cooperate. He stated that he got this immunity and helped the FBI build a case against Rizzolo.
12. Signorelli endorsed the **key employee application of Paul Swords**. Swords told LVMPD that he **continues to be a longtime close friend of Rick Rizzolo's brother** Ralph Rizzolo. Ralph Rizzolo is a prohibited person pursuant to the special conditions placed on the temporary liquor license. Rizzolo employed Swords as a maintenance man and then a bartender. Bartholomew Rizzolo and Annette Rizzolo Patterson, both prohibited persons, trained him to be a bookkeeper for the business one week prior to the Rizzolos being listed as prohibited persons by the City Council. **Signorelli decided to retain Swords as a bookkeeper.**

13. Signorelli has endorsed the **key employee application of Charles Platz**. Platz stated that he is handling all of the accounting and business agreements for Signorelli. Platz told LVMPD he was **Signorelli's partner**. This was unknown to City staff.
14. Signorelli, on multiple occasions, has informed City staff and the City Council that he has legitimate **commercial financing** for the \$45 million purchase of Crazy Horse Too. LVMPD has repeatedly asked for evidence of this. **No evidence has been forthcoming.** Platz, despite Signorelli's provision of a purchase and sale agreement for \$45 million to the City Council, told LVMPD that there had **never been a set price** given to Signorelli for the purchase of the business by Rizzolo, and that Rizzolo wouldn't set a price until at least April 17, 2007. He stated that an appraisal from Land America was pending. Signorelli, in conversations with City staff, has often stated that an appraisal from a recognized commercial appraiser of strip clubs was pending. Platz stated that **Signorelli is no longer attempting to secure a loan from a financial institution**. Rather Signorelli has developed a group of prominent local investors who are able to come up with \$150 million to help him purchase Crazy Horse Too from Rizzolo. **LVMPD has been unable to verify any source of funding for the purchase of the business.**
15. The **lease** agreement submitted by Signorelli to the City Council provides for rent in the amount of \$400,000 per month. Signorelli told LVMPD that he continues to pay only **\$30,000 per week**.
16. LVMPD, when visiting Crazy Horse Too during the last three months, has found Platz occupying **Rick Rizzolo's office**. They have observed Platz, as opposed to Signorelli, on the premises. Platz told LVMPD that when he chastises employees for not doing their job they ignore him, and state **"I will have to call Rick."**

LAW OFFICES

MICHAEL R. MUSHKIN & ASSOCIATES
A PROFESSIONAL CORPORATION

MICHAEL R. MUSHKIN
STEVEN M. SHINN*
*Also Admitted in Hawaii and Texas

4475 S. PECOS ROAD
LAS VEGAS, NEVADA 89121

Telephone (702) 386-3999
Facsimile (702) 454-3333

May 24, 2012

Bradford Robert Jerbic
City Attorney
495 S. Main Street, 6th Floor
Las Vegas, NV 89101

Re: Industrial Road 2440-2497, LLC/Crazy Horse Too

Dear Brad:

This letter is written after communication with Jay Brown, in regard to the application for amendment to the city code as it relates to the use permit for the property where the Crazy Horse Too was located. My clients have specifically agreed to fund an escrow account with \$1.461 million (the fine amount) on or before the 1st of June. These funds will be released to the City of Las Vegas upon issuance of the special use permit on the subject parcel.

Industrial Road 2440-2497, LLC is a single member entity wholly owned by Canico Capital Group, LLC, and was created to acquire and own eleven (11) assets purchased from the FDIC. Pursuant to your request, I have also attached the names and respective interests of the owners of Canico. You should be aware that Canico purchased a pool of Notes and Deeds of Trusts from the FDIC at auction. One of the Notes was in fact the encumbrance on the subject property. In no way shape or form are my clients related to or associated with any member of the Rizzolo family, or their business entities. It is my understanding that the request for amendment will be published in late May and first heard on June 6th with final action on June 20th.

If you require further information or if my dates are incorrect please do not hesitate to contact me.

Warmest personal regards.

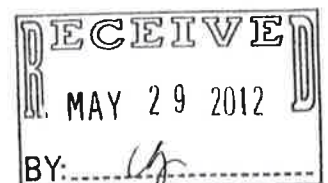
Sincerely,


Michael R. Mushkin, Esq.

MRM:klf
Encl.
Cc: Jay Brown, Esq.
Abraham Assil
George Eshaghian

Submitted at City Council

Date 6/6/2012 Item 61
By: Brad Jerbic



CANICO CAPITAL GROUP, LLC

Percentage of Ownership

COMPANY	PRINCIPAL	% of Ownership
WEST BEST CAPITAL GROUP, LLC	Abraham Assil	36.781%
EL MARINO, LLC	Djavid Hakakian	16.420%
KNOTTING HILL, LLC	Hamed Yazdanpanah	16.420%
SEFOX	Moris Nedjathaim	9.852%
IJ PROPERTIES	Isaac Javdanfar	9.852%
DOUBLE S, LLC	Kamaran Samooha	7.389%
	Mehran Sadighpour	
SN & GE, LLC	George Exhaghalian	3.286%
	Soleiman Nazarian	
		100.00%

CANICO CAPITAL GROUP, LLC

OWNERS

WEST BEST CAPITAL GROUP, LLC – a California single member Limited Liability Company, The sole member/manager is:

Abraham Assil –Mr. Assil is the owner/manager of Westland Development Group, LLC, a real estate investment/development company in Los Angeles, California, and has been for 32 years. Born in Iran in 1949, immigrated to Israel in 1963, at the age of 14, and subsequently immigrated to the United States in 1967, at the age of 18, to go to school and work in New York, New York. A United States Citizen and has lived in California continually since 1980.

EL MARINO, LLC – see attached letter.

SEFOX, LLC – a California Limited Liability Company; its purpose was to invest in purchases of a note pool from FDIC in partnership with other Canico Capital Group, LLC members. The sole member/manager is:

Mooris Nejathaim – born in Tehran, Iran in 1974 and moved to the United States in 1988; and has been working in the fashion (garment) business the past 19 years.

KNOTTING HILL, LLC - a California Limited Liability Company (Tax ID number 35-2378282); its purpose was to invest in purchases of a note pool from FDIC in partnership with other Canico Capital Group, LLC members. The sole member/manager is:

Hamed Yazdanpanah – a member of the California State Bar (SBL#195810) and has been in good standing the California State Bar since being admitted in 1999. He received his Jurist Doctorate from Loyola Law School, and prior to that he obtained his Bachelor of Science in English and Political Science from UCLA.

IJ PROPERTIES – a California Limited Liability Company; its purpose was to invest in purchases of a note pool from FDIC in partnership with other Canico Capital Group, LLC members. The sole member/manager is:

Isaac Javdanfar – born in Tehran, Iran and moved to the United States in 1987 as a religion refugee; is currently involved in the clothing industry.

DOUBLE S, LLC – a California Limited Liability Company its purpose was to invest in purchases of a note pool from FDIC in partnership with other Canico Capital Group, LLC members. The members are:

Kamran Samoooha (50%) – Owner of Peep, Incorporated, manufacturer of ladies wear since 1990.

Mehran Sadighpour (50%) – president of Regency Fabric, a textile company, since 1994

SN & GE, LLC – a California Limited Liability Company; its purpose was to invest in purchases of a note pool from FDIC in partnership with other Canico Capital Group, LLC members. The members are:

George Eshaghian (50%) – a resident of Los Angeles, California since 1979; born in Tehran, Iran and obtained a Master of Science in Electrical Engineering from Polytechnic Institute of Technology of New York in 1978. During the past 25 years he has worked as a loan consultant/agent arranging loans and has also invested in notes secured by deeds of trusts. He has also acted as co-manager of Canico Capital Group, LLC since June of 2009.

Soleiman Nazarian (50%) – a resident of Los Angeles, California area since 1982; born in Tehran, Iran and obtained an engineering degree from Ben-Gurion University in Israel in 1976. He has been involved in consulting/real estate management and investments for 30 years.

El Marino, LLC

410 South Beverly Drive, Beverly Hills, CA 90212
Tel. No. (310) 229-9850 Fax No. (310) 229-9857

May 21, 2012

Subject: El Marino, LLC, a California Limited Liability Company with Secretary of State File No.: 200003910051

To Whom It May Concern:

Dear Sir/Madam:

El Marino, LLC is a California limited liability company, formed and filed with the Secretary of State on February 4, 2000. This LLC could engage in any lawful activity for which an LLC may be organized under the Beverly-Killea Limited Liability Company Act. The Federal Employer Identification Number is 95-4844738.

El Marino, LLC's address is 410 S. Beverly Drive, Beverly Hills, CA 90212. The sole member and manager of El Marino, LLC is Djavid Hakakian.

Neither Mr. Hakakian nor anyone affiliated with them personally or with El Marino, LLC have had any prior contact, affiliation or relationship with any of the previous owners, members and or proprietors of the Crazy Horse.

The principal business activities engaged in by Mr. Djavid Hakakian are the acquisition, development, management and sale of commercial real estate.

If you have any questions or needed additional information, please do not hesitate to call me at (310) 229-9850 Ext. 106.

Thank you.

Sincerely,



Daniel P. Candelosa
Financial Controller

[Secretary of State](#)[Administration](#)[Elections](#)[Business Programs](#)[Political Reform](#)[Archives](#)[Registries](#)**Business Entities (BE)****Online Services**

- [Business Search](#)
- [Disclosure Search](#)
- [E-File Statements](#)
- [Processing Times](#)

Main Page**Service Options****Name Availability****Forms, Samples & Fees****Annual/Biennial Statements****Filing Tips****Information Requests**
(certificates, copies & status reports)**Service of Process****FAQs****Contact Information****Resources**

- [Business Resources](#)
- [Tax Information](#)
- [Starting A Business](#)
- [International Business Relations Program](#)

Customer Alerts

- [Business Identity Theft](#)
- [Misleading Business Solicitations](#)

Business Entity Detail

Data is updated weekly and is current as of Friday, May 18, 2012. It is not a complete or certified record of the entity.

Entity Name:	CANICO CAPITAL GROUP, LLC
Entity Number:	200912010039
Date Filed:	04/28/2009
Status:	ACTIVE
Jurisdiction:	CALIFORNIA
Entity Address:	1000 S WESTGATE AVE STE 100
Entity City, State, Zip:	LOS ANGELES CA 90049
Agent for Service of Process:	ABRAHAM ASSIL
Agent Address:	1000 S WESTGATE AVE STE 100
Agent City, State, Zip :	LOS ANGELES CA 90049

* Indicates the information is not contained in the California Secretary of State's database.

* **Note:** If the agent for service of process is a corporation, the address of the agent may be requested by ordering a status report.

- For information on checking or reserving a name, refer to [Name Availability](#).
- For information on ordering certificates, copies of documents and/or status reports or to request a more extensive search, refer to [Information Requests](#).
- For help with searching an entity name, refer to [Search Tips](#).
- For descriptions of the various fields and status types, refer to [Field Descriptions and Status Definitions](#).

[Modify Search](#) [New Search](#) [Printer Friendly](#) [Back to Search Results](#)

[Privacy Statement](#) | [Free Document Readers](#)

Copyright © 2012 California Secretary of State

[Secretary of State](#)[Administration](#)[Elections](#)[Business Programs](#)[Political Reform](#)[Archives](#)[Registries](#)**Business Entities (BE)****Online Services**

- [Business Search](#)
- [Disclosure Search](#)
- [E-File Statements](#)
- [Processing Times](#)

Main Page**Service Options****Name Availability****Forms, Samples & Fees****Annual/Biennial Statements****Filing Tips****Information Requests**
(certificates, copies & status reports)**Service of Process****FAQs****Contact Information****Resources**

- [Business Resources](#)
- [Tax Information](#)
- [Starting A Business](#)
- [International Business Relations Program](#)

Customer Alerts

- [Business Identity Theft](#)
- [Misleading Business Solicitations](#)

Business Entity Detail

Data is updated weekly and is current as of Friday, May 18, 2012. It is not a complete or certified record of the entity.

Entity Name:	WEST BEST CAPITAL GROUP, L.L.C.
Entity Number:	200910610070
Date Filed:	04/15/2009
Status:	ACTIVE
Jurisdiction:	CALIFORNIA
Entity Address:	1000 S WESTGATE AVE #100
Entity City, State, Zip:	LOS ANGELES CA 90049
Agent for Service of Process:	DORIS ALBIS
Agent Address:	1000 S WESTGATE AVE #100
Agent City, State, Zip:	LOS ANGELES CA 90049

* Indicates the information is not contained in the California Secretary of State's database.

* **Note:** If the agent for service of process is a corporation, the address of the agent may be requested by ordering a status report.

- For information on checking or reserving a name, refer to [Name Availability](#).
- For information on ordering certificates, copies of documents and/or status reports or to request a more extensive search, refer to [Information Requests](#).
- For help with searching an entity name, refer to [Search Tips](#).
- For descriptions of the various fields and status types, refer to [Field Descriptions and Status Definitions](#).

[Modify Search](#) [New Search](#) [Printer Friendly](#) [Back to Search Results](#)

[Privacy Statement](#) | [Free Document Readers](#)

Copyright © 2012 California Secretary of State

[Secretary of State](#)[Administration](#)[Elections](#)[Business Programs](#)[Political Reform](#)[Archives](#)[Registries](#)**Business Entities (BE)**

Online Services

- [Business Search](#)
- [Disclosure Search](#)
- [E-File Statements](#)
- [Processing Times](#)

[Main Page](#)[Service Options](#)[Name Availability](#)[Forms, Samples & Fees](#)[Annual/Biennial Statements](#)[Filing Tips](#)[Information Requests](#)
(certificates, copies & status reports)[Service of Process](#)[FAQs](#)[Contact Information](#)

Resources

- [Business Resources](#)
- [Tax Information](#)
- [Starting A Business](#)
- [International Business Relations Program](#)

Customer Alerts

- [Business Identity Theft](#)
- [Misleading Business Solicitations](#)

Business Entity Detail

Data is updated weekly and is current as of Friday, May 18, 2012. It is not a complete or certified record of the entity.

Entity Name:	WESTLAND DEVELOPMENT GROUP LLC
Entity Number:	201120410181
Date Filed:	05/26/2011
Status:	ACTIVE
Jurisdiction:	CALIFORNIA
Entity Address:	1000 S WESTGATE AVE
Entity City, State, Zip:	LOS ANGELES CA 90049
Agent for Service of Process:	DORIS ALBIS
Agent Address:	1000 S WESTGATE AVE #100
Agent City, State, Zip :	LOS ANGELES CA 90049

* Indicates the information is not contained in the California Secretary of State's database.

* **Note:** If the agent for service of process is a corporation, the address of the agent may be requested by ordering a status report.

- For information on checking or reserving a name, refer to [Name Availability](#).
- For information on ordering certificates, copies of documents and/or status reports or to request a more extensive search, refer to [Information Requests](#).
- For help with searching an entity name, refer to [Search Tips](#).
- For descriptions of the various fields and status types, refer to [Field Descriptions and Status Definitions](#).

[Modify Search](#) [New Search](#) [Printer Friendly](#) [Back to Search Results](#)

[Privacy Statement](#) | [Free Document Readers](#)

Copyright © 2012 California Secretary of State

[Secretary of State](#)[Administration](#)[Elections](#)[Business Programs](#)[Political Reform](#)[Archives](#)[Registries](#)**Business Entities (BE)****Online Services**

- [Business Search](#)
- [Disclosure Search](#)
- [E-File Statements](#)
- [Processing Times](#)

Main Page**Service Options****Name Availability****Forms, Samples & Fees****Annual/Biennial Statements****Filing Tips****Information Requests**

(certificates, copies & status reports)

Service of Process**FAQs****Contact Information****Resources**

- [Business Resources](#)
- [Tax Information](#)
- [Starting A Business](#)
- [International Business Relations Program](#)

Customer Alerts

- [Business Identity Theft](#)
- [Misleading Business Solicitations](#)

Business Entity Detail

Data is updated weekly and is current as of Friday, May 18, 2012. It is not a complete or certified record of the entity.

Entity Name:	EL MARINO, LLC
Entity Number:	200003910051
Date Filed:	02/04/2000
Status:	ACTIVE
Jurisdiction:	CALIFORNIA
Entity Address:	410 S BEVERLY DR
Entity City, State, Zip:	BEVERLY HILLS CA 90212
Agent for Service of Process:	DJAVID HAKAKIAN
Agent Address:	410 S BEVERLY DR
Agent City, State, Zip :	BEVERLY HILLS CA 90212

* Indicates the information is not contained in the California Secretary of State's database.

* **Note:** If the agent for service of process is a corporation, the address of the agent may be requested by ordering a status report.

- For information on checking or reserving a name, refer to [Name Availability](#).
- For information on ordering certificates, copies of documents and/or status reports or to request a more extensive search, refer to [Information Requests](#).
- For help with searching an entity name, refer to [Search Tips](#).
- For descriptions of the various fields and status types, refer to [Field Descriptions and Status Definitions](#).

[Modify Search](#) [New Search](#) [Printer Friendly](#) [Back to Search Results](#)

[Privacy Statement](#) | [Free Document Readers](#)

Copyright © 2012 California Secretary of State

[Secretary of State](#)[Administration](#)[Elections](#)[Business Programs](#)[Political Reform](#)[Archives](#)[Registries](#)**Business Entities (BE)****Online Services**

- [Business Search](#)
- [Disclosure Search](#)
- [E-File Statements](#)
- [Processing Times](#)

Main Page**Service Options****Name Availability****Forms, Samples & Fees****Annual/Biennial Statements****Filing Tips****Information Requests**
(certificates, copies & status reports)**Service of Process****FAQs****Contact Information****Resources**

- [Business Resources](#)
- [Tax Information](#)
- [Starting A Business](#)
- [International Business Relations Program](#)

Customer Alerts

- [Business Identity Theft](#)
- [Misleading Business Solicitations](#)

Business Entity Detail

Data is updated weekly and is current as of Friday, May 18, 2012. It is not a complete or certified record of the entity.

Entity Name:	SEFOX INVESTMENT, LLC
Entity Number:	200920910227
Date Filed:	07/28/2009
Status:	ACTIVE
Jurisdiction:	CALIFORNIA
Entity Address:	1128 S LOS ANGELES ST
Entity City, State, Zip:	LOS ANGELES CA 90015
Agent for Service of Process:	MOORIS NEJATHAIM
Agent Address:	1128 S LOS ANGELES ST
Agent City, State, Zip :	LOS ANGELES CA 90015

* Indicates the information is not contained in the California Secretary of State's database.

* **Note:** If the agent for service of process is a corporation, the address of the agent may be requested by ordering a status report.

- For information on checking or reserving a name, refer to [Name Availability](#).
- For information on ordering certificates, copies of documents and/or status reports or to request a more extensive search, refer to [Information Requests](#).
- For help with searching an entity name, refer to [Search Tips](#).
- For descriptions of the various fields and status types, refer to [Field Descriptions and Status Definitions](#).

[Modify Search](#) [New Search](#) [Printer Friendly](#) [Back to Search Results](#)

[Privacy Statement](#) | [Free Document Readers](#)

Copyright © 2012 California Secretary of State

[Secretary of State](#)[Administration](#)[Elections](#)[Business Programs](#)[Political Reform](#)[Archives](#)[Registries](#)**Business Entities (BE)**

Online Services

- [Business Search](#)
- [Disclosure Search](#)
- [E-File Statements](#)
- [Processing Times](#)

[Main Page](#)[Service Options](#)[Name Availability](#)[Forms, Samples & Fees](#)[Annual/Biennial Statements](#)[Filing Tips](#)[Information Requests](#)

(certificates, copies & status reports)

[Service of Process](#)[FAQs](#)[Contact Information](#)

Resources

- [Business Resources](#)
- [Tax Information](#)
- [Starting A Business](#)
- [International Business Relations Program](#)

Customer Alerts

- [Business Identity Theft](#)
- [Misleading Business Solicitations](#)

Business Entity Detail

Data is updated weekly and is current as of Friday, May 18, 2012. It is not a complete or certified record of the entity.

Entity Name:	KNOTTING HILL, LLC
Entity Number:	200912010042
Date Filed:	04/28/2009
Status:	ACTIVE
Jurisdiction:	CALIFORNIA
Entity Address:	9454 WILSHIRE BLVD 6TH FL
Entity City, State, Zip:	BEVERLY HILLS CA 90212
Agent for Service of Process:	FOSTER TEPPER
Agent Address:	9454 WILSHIRE BLVD 6TH FL
Agent City, State, Zip :	BEVERLY HILLS CA 90212

* Indicates the information is not contained in the California Secretary of State's database.

* **Note:** If the agent for service of process is a corporation, the address of the agent may be requested by ordering a status report.

- For information on checking or reserving a name, refer to [Name Availability](#).
- For information on ordering certificates, copies of documents and/or status reports or to request a more extensive search, refer to [Information Requests](#).
- For help with searching an entity name, refer to [Search Tips](#).
- For descriptions of the various fields and status types, refer to [Field Descriptions and Status Definitions](#).

[Modify Search](#) [New Search](#) [Printer Friendly](#) [Back to Search Results](#)

[Privacy Statement](#) | [Free Document Readers](#)

Copyright © 2012 California Secretary of State

[Secretary of State](#)[Administration](#)[Elections](#)[Business Programs](#)[Political Reform](#)[Archives](#)[Registries](#)**Business Entities (BE)****Online Services**

- [Business Search](#)
- [Disclosure Search](#)
- [E-File Statements](#)
- [Processing Times](#)

Main Page**Service Options****Name Availability****Forms, Samples & Fees****Annual/Biennial Statements****Filing Tips****Information Requests**
(certificates, copies & status reports)**Service of Process****FAQs****Contact Information****Resources**

- [Business Resources](#)
- [Tax Information](#)
- [Starting A Business](#)
- [International Business Relations Program](#)

Customer Alerts

- [Business Identity Theft](#)
- [Misleading Business Solicitations](#)

Business Entity Detail

Data is updated weekly and is current as of Friday, May 18, 2012. It is not a complete or certified record of the entity.

Entity Name:	IJ PROPERTIES, LLC
Entity Number:	200936310110
Date Filed:	12/23/2009
Status:	ACTIVE
Jurisdiction:	CALIFORNIA
Entity Address:	777 E 15TH ST
Entity City, State, Zip:	LOS ANGELES CA 90021
Agent for Service of Process:	ISAAC JAVDANFAR
Agent Address:	777 E 15TH ST
Agent City, State, Zip :	LOS ANGELES CA 90021

* Indicates the information is not contained in the California Secretary of State's database.

* **Note:** If the agent for service of process is a corporation, the address of the agent may be requested by ordering a status report.

- For information on checking or reserving a name, refer to [Name Availability](#).
- For information on ordering certificates, copies of documents and/or status reports or to request a more extensive search, refer to [Information Requests](#).
- For help with searching an entity name, refer to [Search Tips](#).
- For descriptions of the various fields and status types, refer to [Field Descriptions and Status Definitions](#).

[Modify Search](#) [New Search](#) [Printer Friendly](#) [Back to Search Results](#)

[Privacy Statement](#) | [Free Document Readers](#)

Copyright © 2012 California Secretary of State

[Secretary of State](#)[Administration](#)[Elections](#)[Business Programs](#)[Political Reform](#)[Archives](#)[Registries](#)**Business Entities (BE)****Online Services**

- [Business Search](#)
- [Disclosure Search](#)
- [E-File Statements](#)
- [Processing Times](#)

Main Page**Service Options****Name Availability****Forms, Samples & Fees****Annual/Biennial Statements****Filing Tips****Information Requests**

(certificates, copies & status reports)

Service of Process**FAQs****Contact Information****Resources**

- [Business Resources](#)
- [Tax Information](#)
- [Starting A Business](#)
- [International Business Relations Program](#)

Customer Alerts

- [Business Identity Theft](#)
- [Misleading Business Solicitations](#)

Business Entity Detail

Data is updated weekly and is current as of Friday, May 18, 2012. It is not a complete or certified record of the entity.

Entity Name:	DOUBLE S, LLC.
Entity Number:	201011710109
Date Filed:	04/23/2010
Status:	ACTIVE
Jurisdiction:	CALIFORNIA
Entity Address:	212 S UNIO AVE #205
Entity City, State, Zip:	LOS ANGELES CA 90026
Agent for Service of Process:	SAM SANG WOOK YI
Agent Address:	212 S UNIO AVE #205
Agent City, State, Zip :	LOS ANGELES CA 90026

* Indicates the information is not contained in the California Secretary of State's database.

* **Note:** If the agent for service of process is a corporation, the address of the agent may be requested by ordering a status report.

- For information on checking or reserving a name, refer to [Name Availability](#).
- For information on ordering certificates, copies of documents and/or status reports or to request a more extensive search, refer to [Information Requests](#).
- For help with searching an entity name, refer to [Search Tips](#).
- For descriptions of the various fields and status types, refer to [Field Descriptions and Status Definitions](#).

[Modify Search](#) [New Search](#) [Printer Friendly](#) [Back to Search Results](#)

[Privacy Statement](#) | [Free Document Readers](#)

Copyright © 2012 California Secretary of State

[Secretary of State](#)[Administration](#)[Elections](#)[Business Programs](#)[Political Reform](#)[Archives](#)[Registries](#)**Business Entities (BE)****Online Services**

- [Business Search](#)
- [Disclosure Search](#)
- [E-File Statements](#)
- [Processing Times](#)

Main Page**Service Options****Name Availability****Forms, Samples & Fees****Annual/Biennial Statements****Filing Tips****Information Requests**
(certificates, copies & status reports)**Service of Process****FAQs****Contact Information****Resources**

- [Business Resources](#)
- [Tax Information](#)
- [Starting A Business](#)
- [International Business Relations Program](#)

Customer Alerts

- [Business Identity Theft](#)
- [Misleading Business Solicitations](#)

Business Entity Detail

Data is updated weekly and is current as of Friday, May 18, 2012. It is not a complete or certified record of the entity.

Entity Name:	SN & GE, L.L.C.
Entity Number:	200914610075
Date Filed:	05/18/2009
Status:	ACTIVE
Jurisdiction:	CALIFORNIA
Entity Address:	9454 WILSHIRE BLVD 6TH FL
Entity City, State, Zip:	BEVERLY HILLS CA 90212
Agent for Service of Process:	HAMED YAZDANPANAH
Agent Address:	9454 WILSHIRE BLVD 6TH FL
Agent City, State, Zip :	BEVERLY HILLS CA 90212

* Indicates the information is not contained in the California Secretary of State's database.

* **Note:** If the agent for service of process is a corporation, the address of the agent may be requested by ordering a status report.

- For information on checking or reserving a name, refer to [Name Availability](#).
- For information on ordering certificates, copies of documents and/or status reports or to request a more extensive search, refer to [Information Requests](#).
- For help with searching an entity name, refer to [Search Tips](#).
- For descriptions of the various fields and status types, refer to [Field Descriptions and Status Definitions](#).

[Modify Search](#) [New Search](#) [Printer Friendly](#) [Back to Search Results](#)

[Privacy Statement](#) | [Free Document Readers](#)

Copyright © 2012 California Secretary of State

AGENDA SUMMARY PAGE
RECOMMENDING COMMITTEE MEETING OF: JUNE 19, 2012

DEPARTMENT: CITY CLERK

DIRECTOR: BEVERLY K. BRIDGES

SUBJECT:

CITIZENS PARTICIPATION: PUBLIC COMMENT DURING THIS PORTION OF THE AGENDA MUST BE LIMITED TO MATTERS WITHIN THE JURISDICTION OF THE COMMITTEE. NO SUBJECT MAY BE ACTED UPON BY THE COMMITTEE UNLESS THAT SUBJECT IS ON THE AGENDA AND IS SCHEDULED FOR ACTION. IF YOU WISH TO BE HEARD, COME TO THE PODIUM AND GIVE YOUR NAME FOR THE RECORD. THE AMOUNT OF DISCUSSION ON ANY SINGLE SUBJECT, AS WELL AS THE AMOUNT OF TIME ANY SINGLE SPEAKER IS ALLOWED, MAY BE LIMITED



AGENDA SUMMARY PAGE
RECOMMENDING COMMITTEE MEETING OF: JUNE 19, 2012

DEPARTMENT: CITY CLERK

DIRECTOR: BEVERLY K. BRIDGES

☐ Consent ☒ Discussion

SUBJECT:
ADJOURNMENT

