UTAH DEPARTMENT OF TRANSPORTATION
Region Two
2010 South 2760 West
Salt Lake City, Utah 84104
(801) 975-4900
FAX (801) 975-4811

The 360 employees of Region Two are located at the Region headquarters and in maintenance stations throughout Salt Lake County, Summit County and Tooele County. Region Two includes densely populated urban areas along the Wasatch Front, and sparsely populated rural and desert lands. The terrain ranges from the high altitudes of Summit County to the Salt Flats of Tooele County.

The information in this Customer Guide serves a dual purpose - to assist our customers, and assist Region Two employees as they provide services to those customers. The Customer Guide is updated regularly.

We welcome comments and suggestions for improvement. Please call (801) 975-4805 or E-mail to ggaudig@utah.gov

To report a problem (potholes, striping, litter, weeds, etc.) call Customer Service, (801) 975-4900

To report traffic signal problems, call the Traffic Operations Center, (801) 887-3700

Randall R. Park, P.E., Region Two Director
(801) 975-4805, rpark@utah.gov

Cory Pope, P.E., Region Two Deputy Director
(801) 975-4806, corypope@utah.gov

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SUPPORT SERVICES (ADMINISTRATION)

This division administers all the programs without which no organization can function:

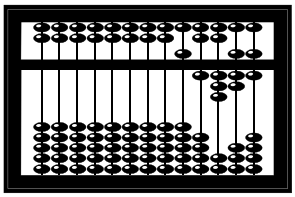
Accounting - accounts payable and receivable; travel; budget; payroll; warehouse inventories; petty cash fund; motor pool management;

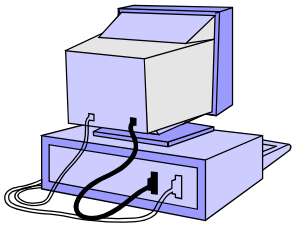
Customer Service - reception; customer service log; Contracts/Agreements database management

Human Resource Services - personnel issues; retirements; new employee orientation; insurance issues;

Information Systems Services - computer support and training.

Letty Debenham, Support Services Manager
(801) 975-4901
ldebenham@utah.gov





PUBLIC INVOLVEMENT

The Utah Department of Transportation is committed to involving the public in decisions that involve Utah roads. UDOT has demonstrated this commitment by adopting its Context Sensitive Solutions (CSS) initiative, which states that work on new and existing roads should:

- Meet the transportation need
- Be an asset to the community
- Support the natural and built environment

Public Involvement Team

To encourage continuous public involvement (PI) and make certain that we incorporate CSS into all our projects, UDOT has set up a public involvement division in each of its Regions. With assistance from UDOT's Communication Office, the Region Two PI team helps keep the community informed. We also ensure that the public is effectively involved, providing relevant ideas and meaningful input on appropriate project elements.

Input is Essential

Public input and ideas are essential elements in UDOT projects. Federal law and UDOT guidelines stipulate that a detailed study must be completed whenever construction, widening, realignment or any other action is considered that would substantially alter a roadway and its surroundings. Public comment must be obtained and considered as part of the study process. Region Two uses both traditional and innovative methods to gather input and keep customers up to speed on proposed projects.

Getting Involved

Because UDOT wants the public to be involved, we build in opportunities for you to do so. Each project in Region Two includes a PI plan. Your opinions and participation can affect anything from whether or not a road is built or reconstructed, to its location, width and alignment, aesthetic treatments, and planned transit and pedestrian solutions depending upon the project. You are encouraged to learn about the PI process so that we will receive relevant feedback and good ideas. Here are a few of the ways UDOT keeps the community informed, and facilitates public involvement:

- Public meetings and open houses
- Surveys
- Focus groups
- Project hotlines
- Project Websites
- Presentations to community groups and organizations
- Newsletters
- Committees
- Neighborhood workgroups
- Individual meetings with concerned citizens

YOUR OPINIONS COUNT! We want to hear from you. **To learn more about how you can get involved in the decision-making process call (801) 975-4958.**

Where to Go When You Need to Know

UDOT recognizes how vital accurate information on road conditions and construction is to motorists. To help you "Know Before You Go," up-to-date traffic information is instantly available on the Internet by going to www.commuterlink.utah.gov, or over the phone at 511. Additionally, the UDOT and Region Two Web Sites offer background material, long-range schedules, and links to individual project Web Sites where details about specific project activities can be found and customers can offer comments. To access those Web sites go to www.dot.utah.gov. If you need information that is not available through these resources, call Region Two directly at (801) 975-4900, and ask to speak to a member of the PI team.

Evelyn Tuddenham, Public Involvement Coordinator
(801) 975-4958, etuddenham@utah.gov

Angela Linford, Public Involvement Assistant
(801) 975-4823, alinford@utah.gov

PROJECT MANAGEMENT

Project Management began in 1998 and has evolved into a nine person division. A Project Manager is responsible for scope, schedule, budget and quality of a project from concept to one year into maintenance. The Project Managers have to coordinate with Structures, Geotechnical, Right of Way, Design, Environmental, Construction, and various other divisions to see the project through to successful completion. They also assist local governments with Cooperative Agreements, engineering estimates and subcontracts. Manuals and support groups are designed to assist the Project Managers in this process.

Joe Kammerer, Senior Project Manager
(801) 887-3435, jkammerer@utah.gov

PROJECT MANAGERS - LESSONS LEARNED

The project managers from Region Two have designed a Lessons Learned data base and form that are used to help in the design process. Information is taken from change orders and entered into the data base. This information is utilized to assist in the planning development stage of a project.

Lessons Learned Form

Turn into Functional Manager

Pin No:	Project Number:	Date Submitted:
Region: Two		Submitted by:

Circle all that apply:

Cooperative Agreements	Environmental	Pavement Structure	General Requirements
Drainage	Geometrics	Structure	Right of way
Earth Work	Incidentals	Traffic and Safety	Utilities

Describe Problem and give Solution:

Problem:

Solution:

Date Initiated:	Prevention Author:	Status:

What could have been done to prevent the Problem:

PRECONSTRUCTION

Preconstruction Engineer

Betty Purdie, Region Preconstruction Engineer, (801) 975-4816, bpurdie@utah.gov

The Region Two Preconstruction Engineer wears many hats. She is the first point of contact for design issues. This engineer functions as both a technical and non-technical coach, quality and resource manager, team leader and evaluator. She provides the technical vision for the Region and maintains quality control. A project history is maintained through her. Ultimately, all responsibility for the following teams falls on her shoulders.

Innovative Contracting Specialist

Lisa Wilson, (801) 887-3465, lwilson@utah.gov
The Region Two Innovative Contracting Specialist is involved in all projects looking for methods to minimize construction impacts (e.g. lane rental, A & B bidding). This engineer is also a central figure for the Region design/build contracts.

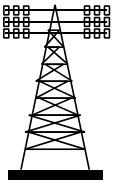
Design Squads

Contacts:	**David Schwartz**	**Lead Design Engineer, Squad 1**	**(801) 975-4904**
	Ed Rock	**Lead Design Engineer, Squad 2**	**(801) 975-4988**

The Lead Design Engineers lead the technical aspects of projects. They coach the team members, assist in determining staffing needs and workload capabilities. They are responsible to meet the design activity schedules and design budget for each individual project. They complete Quality Control and Quality Assurance.

Engineering Support Engineer

Rob Wight, (801) 887-3438, rwight@utah.gov
This engineer oversees Environmental, Hydraulics, Right of Way and Utilities for Preconstruction.



Utilities and Railroads

Contacts:	**John Brantly**	**Utility/Railroad Engineering Coordinator**	**(801) 975-4836**
	Vicki Townsend	**Contract Specialist**	**(801) 975-4994**

The Utilities and Railroad personnel for the Preconstruction section are responsible for reviewing all highway and bridge projects that involve utilities and railroads. They authorize the preliminary

design engineering for relocations and prepare and execute all required relocation agreements for utility and railroad companies. Their other tasks include preparing cooperative and other agreements with municipalities relating to UDOT highway projects as requested by the Maintenance and Construction sections. They certify all projects for advertising. This means all agreements have been prepared and that all clearances have been obtained.

Right of Way/Survey

Contacts:	**Wendell Hathaway**	**Land Surveyor Supervisor**	**(801) 975-4849**
	John Assel	**Land Surveyor**	**(801) 975-4939**

The function of the Right of Way/Survey section is to support, and implement the policies and procedures for the proper Right of Way design affecting all state roads within the Region as set forth by the Utah Department of Transportation. Their many functions include the preparation of Right of Way maps and plans that correctly identify the Right of Way and its relationship to the centerline or control line of the road. These are the people who write the descriptions to facilitate the acquisition of real property in order to accommodate new state highway design and/or improvements on existing state highways. They provide oversight and review for outside consultants who are hired to design and prepare right of way plans and documents on state highway projects which would include the above listed tasks. The Right of Way team also provides assistance to the general public, local engineering and surveying firms by way of answering questions on state road rights of way and/or providing copies of existing right of way maps and plans which depict the right of way on state routes within the Region.

Environmental

Contacts:	**Lars Anderson**	**Environmental Manager**	**(801) 887-3420**
	Betsy Skinner	**Archeologist**	**(801) 975-4923**
	Bob Moses	**Landscape Architect**	**(801) 975-4970**

The role of the Region Environmental Manager is to ensure region transportation projects comply with all applicable state and federal laws. These responsibilities include initiating the environmental process and contacting the regulating and resource agencies involved in the process so they may provide comments regarding proposed projects. He reviews all environmental documents associated with the Region. The Region Environmental Manager is also responsible for overseeing compliance with environmental commitment and proper implementation of mitigation measures into projects, including tracking after the project is complete

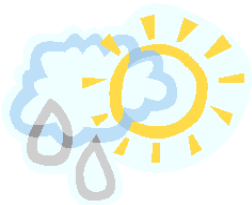
The Region Archeologist directs UDOT regional activities ensuring legal compliance with the National Environmental Policy Act, the National Historic Preservation Act, and related federal and state laws and regulations; she serves as the regional manager and subject matter expert regarding environmental protection and historic preservation as related to UDOT activities. As the NHPA Specialist she performs and/or reviews the project level cultural, archaeological, and/or paleontological analysis and provides cultural, archaeological, and paleontological clearances for Region Two. Dr. Skinner verifies that all Region projects comply with state and federal historical, archaeological, and paleontological laws.

The Landscape Architect conserves or creates environments that provide safety, aesthetics and resource protection along Utah's roadways. Landscape is an integral part of the preservation and development of the rural and urban scenery and a successful highway system. Landscape design requires knowledge of aesthetically pleasing endogenous plants as well as unwanted exogenous noxious plants. Our purpose is to provide scenic beauty and environmental quality to areas adjacent to our transportation systems.

Hyrdraulics

Contacts:	**Kevin Van Frank**	**Hydraulics Engineer**	**(801) 975-4955**
	Robb Edgar	**Hydraulics Engineer**	**(801) 887-3402**

The region hydraulics group is involved in all region issues associated with drainage. This includes design and/or design review for new construction projects, and reviewing permit applications that include connections to UDOT's drainage system.



CONSTRUCTION

The responsibilities of the Construction Division include:

Oversee and administer work contracted to private contractors in the field of highway construction -
Surveying, clearing and excavating, construct new roads and highways
Major rehabilitation of existing roads and highways, bridges, etc.

Ensure all work performed by contractors meets established UDOT standards -
Continuous testing and inspection for compliance with UDOT specifications
Preparation and review of estimates
Certification of quantities
Survey activity

Complete projects on schedule and within budget
Innovative Contracting Methods:

- A+B - The contractor works at an accelerated schedule and is awarded $$ incentives for early completion
- Lane Rental - The contractor "rents" lane closures in order to complete work items, which gives the contractor an incentive to impact traffic as little as possible
- Design Build - Allows the contractor the flexibility of designing and constructing the project concurrently, thereby accelerating the construction schedule

The Region Two Construction Division is entirely committed to partnering with our contractors, which ensures efficient processes and a cost-effective, quality project within a short amount of time;

Coordinate with local governments and utility companies to evaluate needs for the placement or upgrading of utilities in areas of road construction, i.e. power lines, sewer, water and gas lines, etc.;

Address needs of the public and keep their inconvenience to a minimum;

Address unforseen issues and problems through partnering, change orders, etc.;

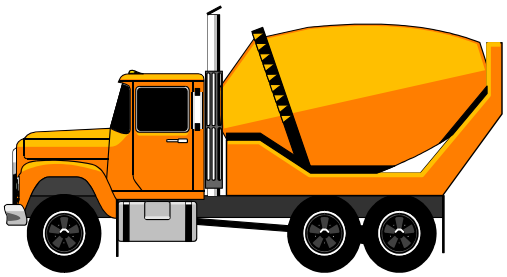
Focus on work zone safety on behalf of the motoring public, contractors and employees;

Provide employee training to enhance skills in survey, materials testing, construction inspection and office responsibilities;

Provide quality product for our customers and stakeholders**.**

Refer to UDOT's web site, www.dot.utah.gov, for information regarding upcoming and ongoing construction projects in Region Two**.**

Tim Rose, Region Two Construction Engineer
(801) 975-4851
timrose@utah.gov



SAFETY & RISK MANAGEMENT

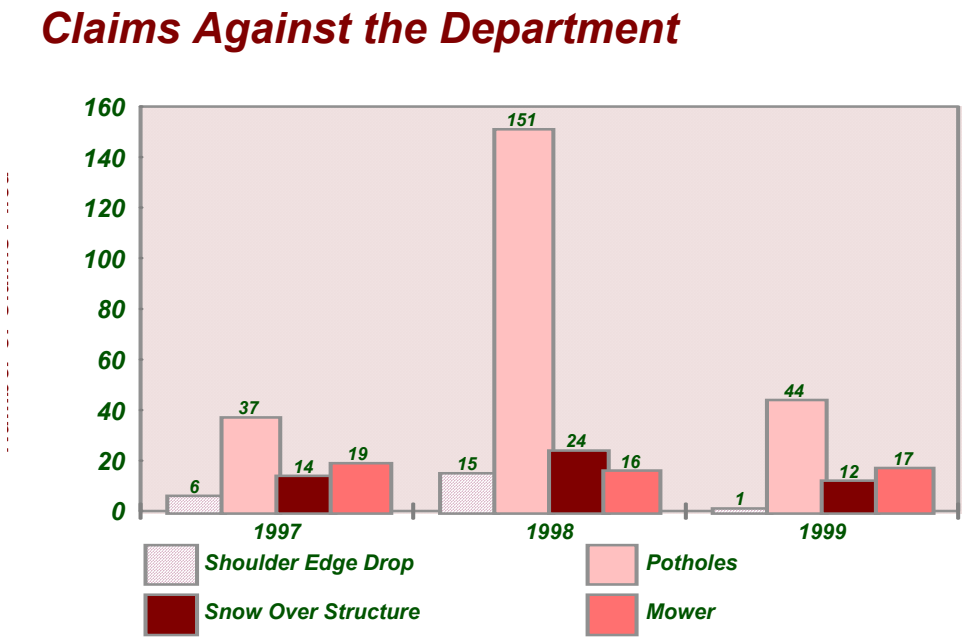
This office oversees all aspects of safety within Region Two. Some of the duties are:

- Inspect state property to ensure compliance with Federal and State standards to provide a safe environment for the traveling public and UDOT employees;
- Investigate and document all fatal accidents, critical work zone accidents, hazardous spills and any potential liability incident on state right of way;
- Investigate and document all employee accident, injury and state property loss;
- Instruct Department safety training within the Region;
- Research and document all Region claims from the public.

Claims from the public should be directed to our claims specialist at (801) 975-4903.

Safety Coordinator: **Cathy Overstreet, (801) 975-4902**, coverstr@utah.gov
Claims Specialist: **Dottie Weese, (801) 975-4903,** dweese@utah.gov

The Department of Transportation is responsible to manage and protect state properties, including the state highway system. Each employee must perform in such a manner that all property under his or her charge is managed in such a way that risks and hazards are reduced to the lowest possible level. When a loss occurs, every employee involved must participate in the management of the incident to protect against unnecessary additional exposure and eliminate the potential for greater loss or injury. Our employees are committed to performance objectives which are designed to reduce liability claim losses, industrial related or motor vehicle fleet accidents. All employees are responsible for their own safety and compliance with all state and federal standards. Management provides guidance to establish an optimal balance between safe operations and loss reduction. Operational effectiveness and safety of the state highway system including a safe work environment is our commitment and goal.



OPERATIONS & MAINTENANCE

Region Two Maintenance Mission Statement:

Customer Satisfaction Requires Response and Action

The Operations & Maintenance Division is responsible for maintaining the state roads within the counties of Salt Lake, Summit, and Tooele. It is Maintenance's purpose to preserve and repair a roadway system with its elements to its designed or accepted configuration. System elements include travel way surfaces, shoulders, roadsides, drainage facilities, signs, pavement markings, snow and ice removal. Our job is to ensure the public a safe, well maintained facility on which to travel. In addition to road maintenance, this section is also responsible for maintenance of signs, fences, guardrails, structures, and takes care of the vegetation within the right of way.

Maintenance Engineer

Responsible for administering the maintenance operations of all the areas within Region Two. This includes, but is not limited to equipment management, budget administration, and personnel issues. The maintenance engineers also handle agreements with local governments, property owners, and the public as well as being an engineering resource for the design and construction of maintenance projects.

Rukhsana Lindsey, Region Two Operations Engineer, (801)975-4951, rlindsey@utah.gov

Area Maintenance Supervisors

In Region Two, there are four area supervisors who manage maintenance activities for their respective areas. This includes the supervision of 21 maintenance station foremen, scheduling preservation of surfaces on highways, and addressing concerns from the traveling public.

Jack Mason, Jr., West Area Supervisor
Stations #221, 222, 223, 224

Todd Richins, East Area Supervisor
Stations #234, 235, 236, 237, 238, 245

Dave Miller, SL-East Metro
Stations #225, 233, 241, 243/244

Rick Debban, South Metro Area Supervisor
Stations #227, 230, 231, 232

The special crews work region wide, they are:

Paint Crew, Station 243; Sign/Guardrail, Station 244;

Graffiti/Landscape, Station 245; Carpentry/Electrical Crew, Station 248.

Avalanche Forecasters

There are four avalanche forecasters who work for Liam Fitzgerald, the Canyon Snow Safety Manager. This section monitors resources and tests snowpack structure, stability conditions, and material strength. They monitor and evaluate weather, assess, forecast, and monitor avalanche hazard. They implement avalanche control measures, and maintain scientific and electronic instrumentation.

Adopt-A-Highway

DON'T WASTE UTAH

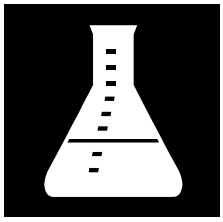
The Adopt-A-Highway program is offered by UDOT and allows volunteers to help keep the Utah State roads clean. It is a two-year voluntary commitment to clean up litter on two miles of highway or state road, with a minimum of three cleanups per year. To recognize the group's efforts, UDOT erects a sign with the group's name, on the section of adopted highway.

UDOT provides litter bags, collects the filled bags, and provides safety instructions.

How to Participate - Complete and return the application form furnished by the Adopt-A-Highway Coordinator. UDOT will send you a contract to sign and return. For questions and information, contact

Your group's name could be here!

MATERIALS LAB



The responsibilities and functions of the Region Materials Laboratory:
Daily Activities:

- Attend preconstruction meetings - ensure material quality is designed into the project
- Provide technical materials support during construction
- Independent assurance testing - ensure qualified testing personnel, equipment and procedures are used for all material types - soils, aggregate, concrete, hot mix asphalt
- Prepare materials specifications and special provisions - ensure the best and most appropriate materials specifications are used on projects
- Concrete mix design review - ensure proper materials and mix designs are used on construction projects
- Concrete acceptance testing - ensure proper concrete strength
- Hot mix asphalt mix design review - ensure proper materials and mix designs are used on construction projects
- Hot mix asphalt and concrete plant inspection - ensure that proper mixing and batching processes are used by materials suppliers
- Testing technician certification - ensure testing technician qualifications
- Pavement coring - ensure proper pavement thickness for project acceptance; determine project specific pavement rehabilitation strategies
- Pavement trenching - determine project specific pavement rehabilitation strategies
- Square meter testing - determine proper application rates for rejuvenation projects
- Concrete truck inspections - verify and certify concrete delivery trucks used on projects meet quality requirements.
-

Program Activities:

- Nuclear safety program - ensure proper handling and transportation of radioactive testing equipment.
- Pavement management - ensure the health and management of the pavement network
- Pavement design - investigate specific pavement sections to ensure proper pavement design and rehabilitation selection

Process Overview:

Materials Quality Assurance for Highway Maintenance, Rehabilitation and Reconstruction

All materials used for maintaining, rehabilitating or reconstructing roads are tested to ensure the desired engineering properties are achieved. Standardized test methods are performed by certified testing technicians and equipment. The results from the testing are then analyzed on a day to day basis to determine if the materials are accepted, accepted at reduced pay, reworked or rejected as spelled out by specification. All testing documentation is accumulated, reviewed and certified at the end of the construction project to ensure quality compliance has been achieved.

John Butterfield, Materials Engineer
(801) 975-4926, jbutterfield@utah.gov

TRAFFIC OPERATIONS

Mack Christensen, Traffic Operations Engineer, (801) 975-4827, mackchristensen@utah.gov

The Region Traffic Operations Engineer is responsible for many areas; all the responsibilities for the following areas fall under his leadership**.**

AREA TRAFFIC ENGINEERING

This division oversees the Safety Spot Improvement Program, traffic control signing, and signal maintenance, as well as providing engineering support for the Preconstruction and Construction divisions, including work zone safety issues. This division also provides special events management, and provides guidance and administers standards for school zone safety issues.

Northwest Area Engineer, Chris Siavrakas, (801) 887-3792, csiavrakas@utah.gov
NW Assistant Engineer, W. Scott Jones, (801) 887-3759, wsjones@utah.gov
Southeast Area Engineer, Ritchie Taylor, (801) 887-3717, ritchietaylor@utah.gov
SE Assistant Engineer, Tam Southwick, (801) 887-3786, tsouthwick@utah.gov

Signal Engineer
Deryl Mayhew, (801)887-3605, dmayhew@utah.gov

The Signal Engineer is responsible for signal maintenance, signal design review, signal complaints, loop detection, upgrades and overall function of the signal system.

Signal Maintenance
Guy Buckner, (801) 887-3785, gbuckner@utah.gov

The signals crew is responsible for performing maintenance on over 500 traffic signals and 80 school flashing signals in Region Two. Responsibilities include replacement of signal bulbs, signal heads, pedestrian heads, controller cabinets, detector loop and emergency call outs.

ENCROACHMENT & PERMITS OFFICE

The Region Two Permits Office has four employees who work on encroachments and permits. The office deals with access issues, utility permits, billboards, illegal encroachments, special events, junkyards, various agreements, bus benches, house moves and complaints. The permits office is responsible for issuing permits to various companies for any work done in the UDOT right of way. They are also responsible for overseeing the inspections on all of the permit issued work. The main number for the permits office is: **(801) 975-4808.**

Obtaining an Encroachment Permit:

To obtain a permit, contact the Permits Office at (801) 975-4808. The Permits Office will help you with the application process and the bonding process. There are two kinds of permits that are issued at this office, an access permit and an encroachment permit. All contractors who work on UDOT right of way must have an encroachment and permit bond on file in that region, in the amount of $10,000.00, good for a period of at least three years. There is another bond that may be requested for the coverage of inspections. The permit fee varies from $20.00 to $400.00 depending on the project. An inspector may be assigned to the permit, which will be billed to the contractor. Please contact the Permits Office for further details regarding your project.

To obtain an Access Permit you will need the following information on a set of site plans that the Permit Office can review in their weekly meeting:

1. **A site plan including:**
   The address of the property, including City and County, curb radius, proposed access width, distances from adjacent accesses and any accesses across the street, distance to any corner of any roadway, profile of accesses, curb and gutter detail to UDOT standards;

2. **Right of Way information including:**
   Frontage length of the property, distances from the center line of the road to the property line (right of way line indicated), typical section that locates curb and gutter and sidewalk;

3. **Drainage site plan and calculations including:**
   Existing and proposed drainage features, profile of the road you want to access, drainage will be contained on site (UDOT storm drain system cannot be used);

4. **Signing and striping sheets, Traffic Impact Study, and sight distance calculations if applicable.**

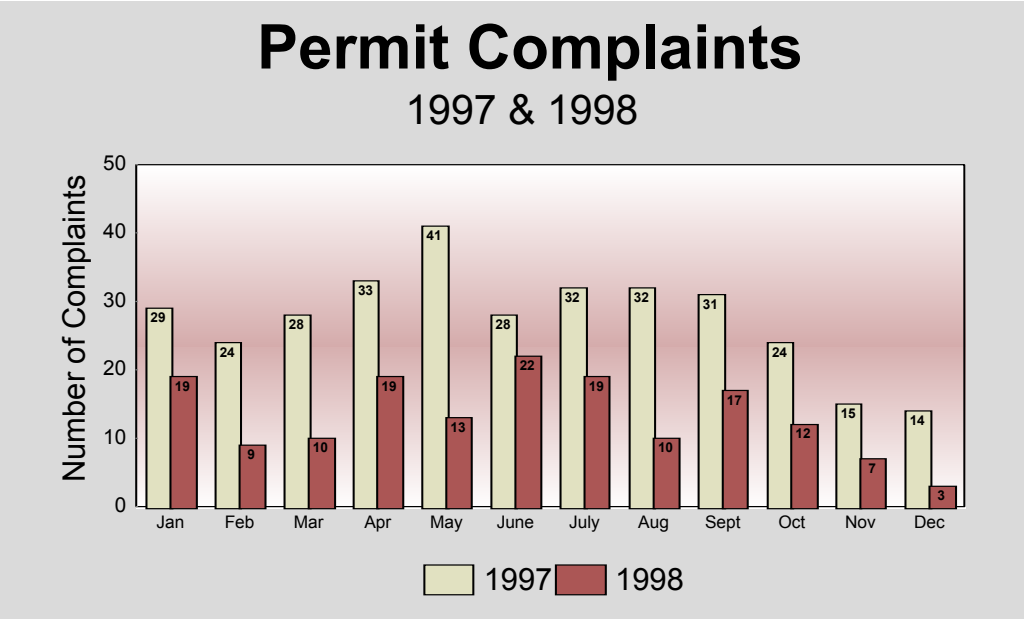
All projects must be designed to UDOT Standard Drawings and Standard Specification, AASHTO, and the FHWA's Manual on Uniform Traffic Control Devices (MUTCD).

Plan approval will not be given until all required information is on the plan. A UDOT Access Permit is required prior to any work within UDOT right of way, but will not be issued until plans are approved by UDOT and local jurisdictions. Approval from the local jurisdiction must be in writing.

To obtain an Excavation Permit you will need the following information:

Excavation Detail showing vertical and horizontal utility locations, trench detail, and traffic control plans in conformance with the MUTCD. All roadway crossing excavations are to be placed by **boring**. When boring is not possible, letters from **two companies** stating such shall accompany permit application. All lateral road crossings and longitudinal excavations of more than 100 ft. require a **Utility Line Agreement** accompanied by engineered plans showing horizontal and vertical location of utility. All excavations under pavement shall use **flowable backfill**. Fill material out of paved areas, shall be **select soils meeting UDOT specifications**. No native soils shall be allowed to be replaced in the trench. Soils shall be compacted to UDOT specifications (96% compaction on shoulders). **Underground utilities** shall be buried a minimum of 3 ft. under pavement, 5 ft for shoulders, and 2 ft. under other surfaces. **Asphalt thickness** shall be a minimum of 6 inches or match existing asphalt thickness, whichever is greater. Contractors shall be **responsible** for any **UDOT property damaged** during construction, including signal damage.

This graph indicates the complaint decrease Region Two has experienced since implementing inspectors on the majority of permits issued from this office. The rate decrease of 52% is shown here in the graph.



Alan Loiacono, Region Two Permits Officer
(801) 975-4810, aloiacono@utah.gov

INCIDENT MANAGEMENT TEAM

When an incident occurs, duration time has been reduced with the help of the Incident Management Team (IMT). IMT improves quality of freeway traffic flow and safety at incident scenes. Additionally, IMT reduces time to clear incidents by helping stranded motorists or assisting the Highway Patrol and other agencies.

Incident Management Coordinator, Billy Frashure, (801) 887-3783

UDOT INCIDENT MANAGEMENT TEAM MISSION STATEMENT

> Improve safety for motorists and respondents; reduce congestion and associated traffic delays on interstate and state routes by providing incident management services for the Utah Department of Transportation in cooperation with the Utah Department of Public Safety, the Utah Highway Patrol, local law enforcement agencies, emergency response personnel and Utah's traveling public.

TRAFFIC OPERATIONS CENTER

The major purpose of the Traffic Operations Center (TOC) is to mitigate growing traffic congestion and improve incident management activities in the Salt Lake Valley. This reduces delays, increases travel speeds, reduces travel times, increases safety, and reduces air pollution. The TOC is a focal point for multi-agency, public and private sector traffic management efforts. The system provides real-time information on traffic and road conditions to government agencies, the public, the media, and emergency response agencies. The TOC will unite Salt Lake City TCC, Salt Lake County, and UTA in managing the Salt Lake Valley traffic systems.

TECHNOLOGY

The TOC utilizes many "high tech" devices to manage traffic. New devices are being installed, tested, and implemented monthly.

DEVICE	Installed	Planned
Freeway Closed Circuit Television	163	163
Surface Closed Circuit Television	32	32
Freeway Variable Message Sign	42	42
Surface Variable Message Sign	17	17
Portable Variable Message Sign	2	2
Traffic Monitoring Stations	231	231
Traffic Signals	639	639

TRAFFIC SIGNAL COORDINATION

Signal coordination on State Street has reduced time, money, and emissions. The estimated user savings from reduced time, due to signal coordination, is over $6,000,000. Signal coordination has reduced CO emissions by an estimated 344 tons and HC emissions by an estimated 28 tons. Signal coordination efforts are also underway in other corridors which will benefit the traffic flow throughout the Salt Lake Valley.

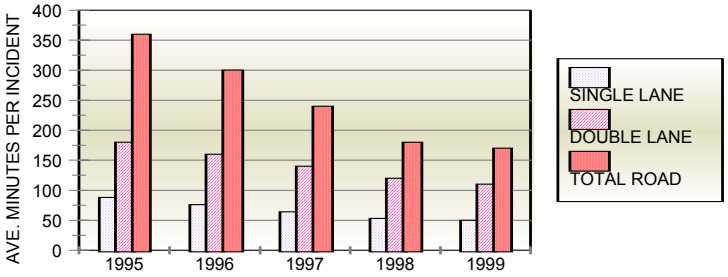
A real-time operational display for the TRAX Light Rail system is now in operation at the TOC using the ICONS software package. The program is using a combination of rail-station detectors and operational algorithms to show the estimated position of all TRAX vehicles within the system. The program also displays the real-time traffic signals at each of the TRAX intersections.

INCIDENT MANAGEMENT TEAM

When an incident occurs, duration time has been reduced with the help of the Incident Management Team (IMT). IMT improves quality of freeway traffic flow and safety at incident scenes. Additionally, IMT reduces time to clear incidents by helping stranded motorists or assisting the Highway Patrol and other agencies.

Lane Closure Duration Summary

Reduced Incident Time by 50%



DEPARTMENT OF PUBLIC SAFETY

The Utah Department of Public Safety (DPS) Communications Bureau dispatching is located at the TOC. The TOC Operators and DPS Dispatchers, work together to identify incidents and get a response unit to the incident scene quicker.

PUBLIC INFORMATION

The TOC provides information to the public with the use of radio, Highway Advisory Radio (HAR), television, and the Commuterlink Internet Site.

Clear Channel Broadcasting Radio - The following stations broadcast traffic updates with information direct from the TOC:

KZHT (94.9 FM)	KWLW (700 AM)	KOSY - FM
KURR (99.5 FM)	KALL (910 AM)	KUER - FM
KKAT (101.9 FM)	KNRS (570 AM)	KCPX - FM
KODJ (94.1 FM)		KISN - FM

HAR - The Highway Advisory Radio records and broadcasts messages in specific incident locations, updating the traveling public on current road conditions

Television-Several local news channels receive and broadcast live video feed of current roadway conditions from the TOC. KWOB 30 broadcasts a weekday morning talk show from 5:30 a.m. to 8:00 a.m. The TOC provides all the traffic content. A Salt Lake City government access cable channel program airs weekdays from 7:00 a.m. to 9:00 a.m., and from 4:00 p.m. to 6:00 p.m. Airwatch provides reports from the TOC during the local morning news on Channel 4.

Commuterlink Internet Site - The TOC's Internet site is located at **www.commmuterlink.utah.gov**. The Internet site has received more than a million hits per month. The Internet site contains the latest traffic alerts along with the ability to view current roadway conditions with the cameras.

ROADWAY WEATHER AND CONDITIONS
The Roadway Weather Information System (RWIS) detects and notifies maintenance stations of pavement conditions in their area. By utilizing RWIS, the department has managed winter operations more efficiently.

Variable Message Signs (VMS) are used to inform the traveling public of current roadway conditions that lie ahead. VMS may give information concerning crashes, weather, congestion, construction, or other incidents.

The Traffic Operations Center, in conjunction with information from Construction, Maintenance, and Permits, is striving to improve safety and efficiency for the traveling public with the use of technology and improved communication. **If you see traffic impacts (including malfunctioning traffic signals) while in route, please notify the TOC Operators at 887-3700.**

Dave Kinnecom, Traffic Operations Engineer, (801) 887-3707, dkinnecom@utah.gov

TRAFFIC OPERATIONS CENTER COMMUNITY ART WALL

Located in the lobby of the Department of Transportation's Traffic Operations Center (TOC), 2060 South 2760 West in Salt Lake City, is a rotating community art wall. Artists, youth groups and community art organizations are invited to take advantage of this exhibit opportunity. There is no entry fee and artists have the option to sell their work.

The art wall is highly visible to visitors, tour groups, business associates and transportation employees who really appreciate the rotation of fine art.

Artists interested in participating in a future exhibit, may send an E-mail to toc-art@utah.gov or call Marie Zitting at **(801) 887-3758.**

UTAH DEPARTMENT OF TRANSPORTATION
REGION TWO

ADMINISTRATION
Director
Deputy Director

PROJECT MANAGEMENT
Concept
Completion
First Year of Maintenance

PUBLIC INVOLVEMENT
Outreach to Stakeholders
Public Meetings
Public Information

PRECONSTRUCTION
Design
Environmental
Right of Way

CONSTRUCTION
Contract Review
Engineering
Inspection
Safety and Loss Control

MATERIALS
Lab and Testing
Materials Certification
Mix Design

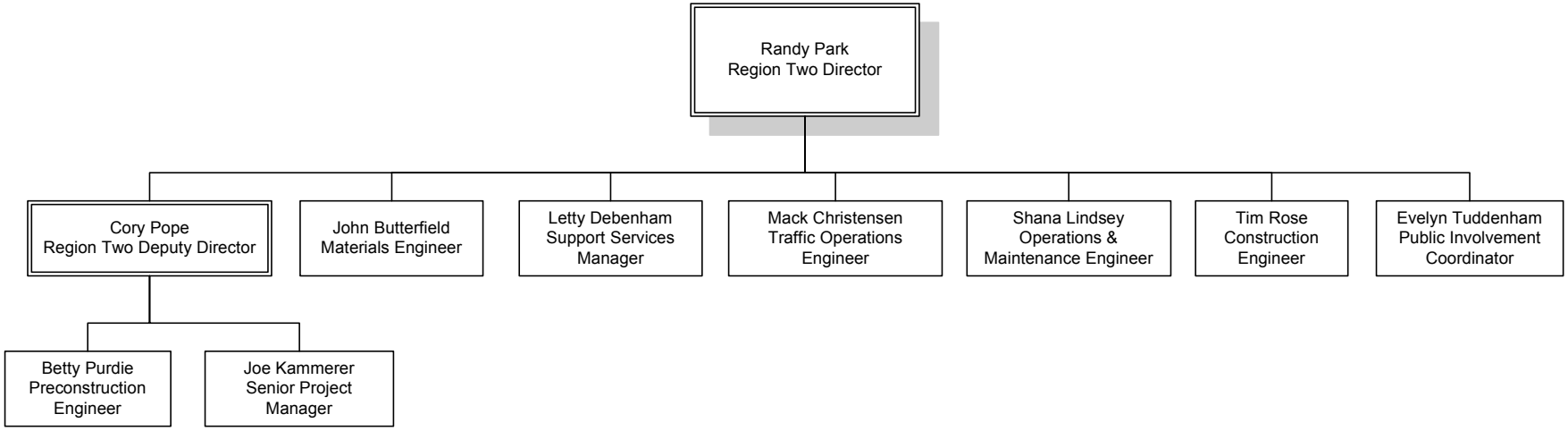
OPERATIONS & MAINTENANCE
Maintenance
Analysis
Training

TRAFFIC OPERATIONS
Traffic Engineering
Incident Management
Permits and Encroachment

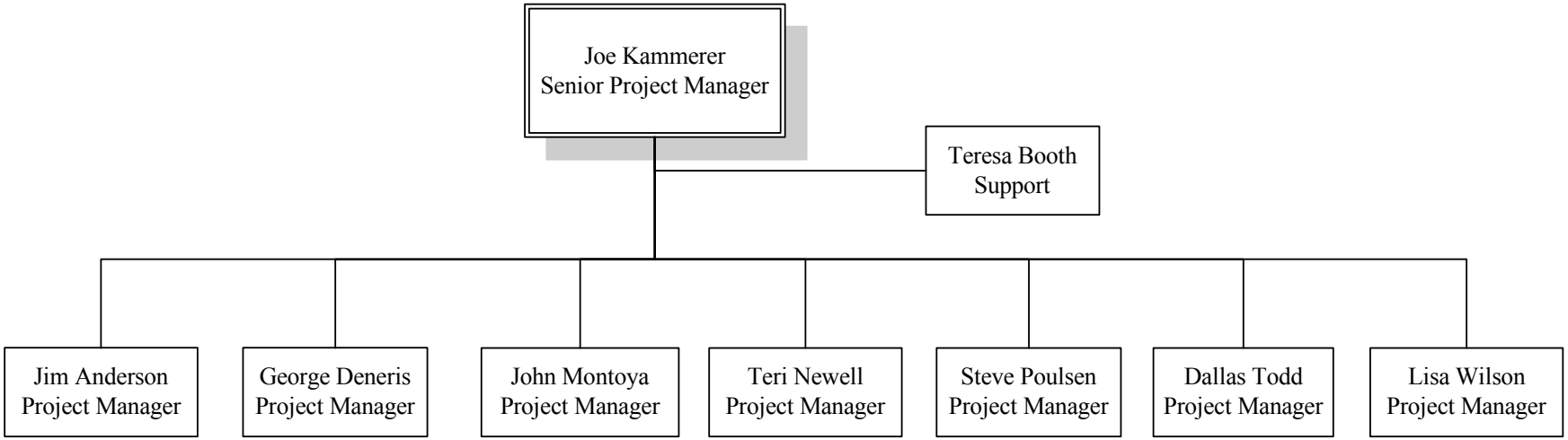
SUPPORT SERVICES
Accounting
Customer Service
Human Resources
Information Systems Services
Travel
Warehouse Inventory

ORGANIZATIONAL CHARTS

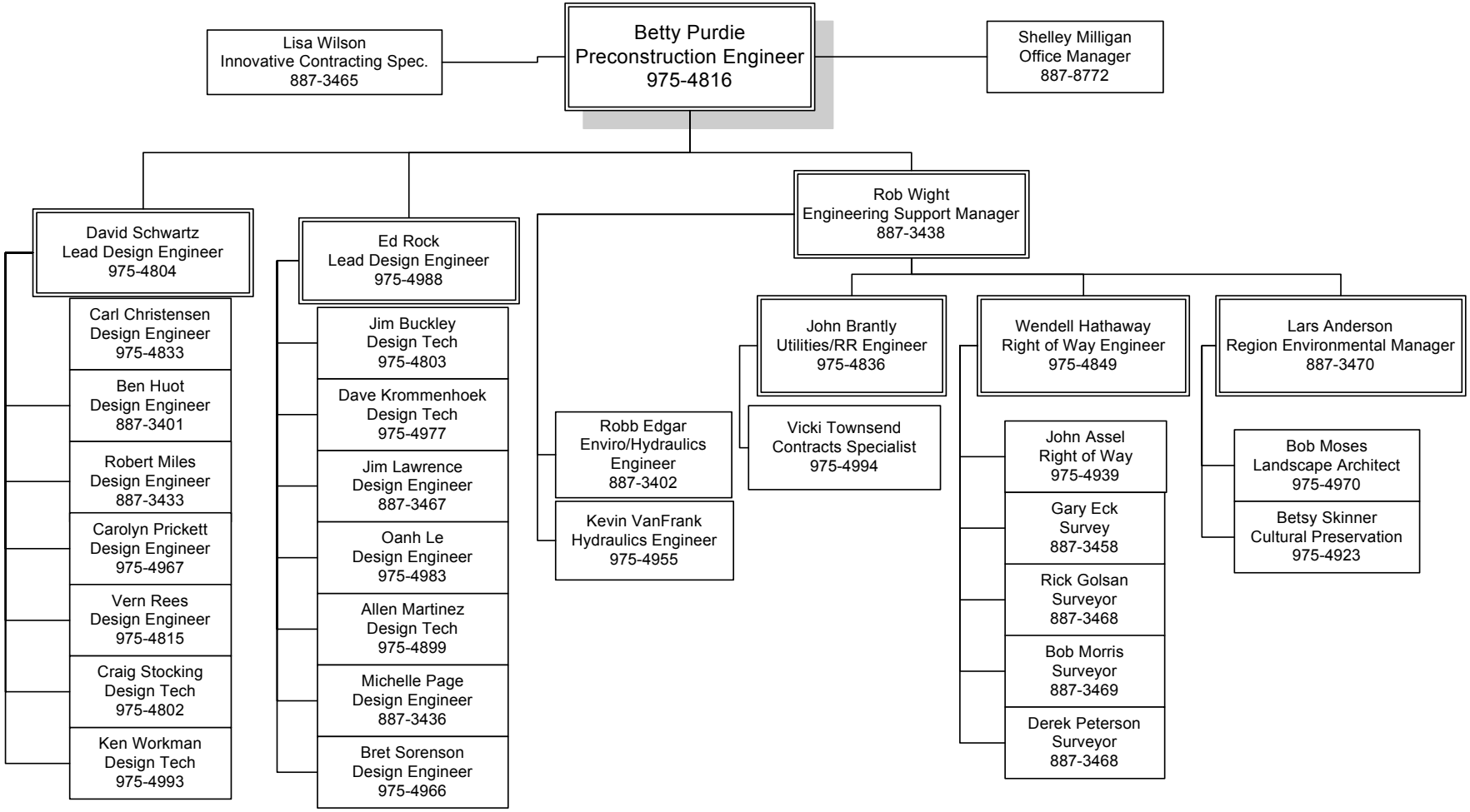
REGION STAFF



PROJECT MANAGERS



PRECONSTRUCTION



CONSTRUCTION

TIM ROSE PE
Construction Engineer
Office: 975-4851
Cell: 910-2500

ROGER NEWTON	Contract Specialist
BECKI SIMMONS	Utility & R.R. Coord.
ANGENE DAVIDSON	Engineering Tech. III
FLORA CRUMP	Secretary
CATHY OVERSTREET	Safety Coordinator
DOTTIE WEESE	Claims Specialist

BRANDON SQUIRE
Resident Engineer
Phone: 887-3405
Cell: 910-2530
Shannon Percival
Phone: 887-3404

Adams, Michael	Tech. III
Bair, Ron	Tech. IV
Bair, Travis	Tech. IV
Christensen Jay	Tech. IV
Cracroft, Paul	Tech. III
Laughter, Richard	Tech. III
(Vacant)	Tech. III
Linford, Dallas	Eng. III
Percival, Shannon	Tech II Pos
t, Percy	Tech. IV
Ramos, Carlos	Tech. III
Ruflin, Jason	Tech. II
Tripp, Wendy	Tech. IV
Vlam, Clark	Tech. IV
Westerman, Don	Tech. III
Damaris, Kjar	Rot. Eng.
Adams, Greg	Trans. Tech
Erickson, Chad	Trans. Tech.
Kelly, David	Trans. Tech.
Trujillio, Rich	Trans. Tech.

BRETT HADLEY
Resident Engineer
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Cell: 910-2560
Denece Sheppick
Phone: 975-4857

Allington, Mark	Tech. IV
Arambula, Rick	Tech. III
Ash, Wayne	Tech. IV
Burgess, Ken	Eng. III
Edwards, Debra	Tech. III
Heim, Debbie	Tech. III
Jones, Rich	Tech. IV
Lyon, Wayne	Tech. III
Ok, Sovann	Eng. III
Peters, Frank	Tech. III
Sheppick, Denece	Tech. III
Stephenson, Jeff	Tech. III
Toolson, Kim	Tech. IV
Vorwaller, Tyson	Tech. II
VanJura, Josh	Rot. Eng.
Young, Jacob	Eng. Intern
Forkel, Ron	Trans. Tech.
Lazenby, Kyle	Trans. Tech
Shinton, Matt	Trans. Tech

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Resident Engineer
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Cell: 910-2570
Joy Minear
Phone: 975-4879

Brock, Daniel	Tech. III
Clark, Glen	Eng. III
Davis, Gaylord	Tech. IV
Franco, Eddy	Tech. III
Glem, Rick	Tech. III
Grey, Bill	Tech. III
Miller, Tim	Tech. III
Minear, Joy	Tech. III
Munro, Mike	Tech. IV
Pelly, Bob	Tech. IV
Roberts, Paul	Tech. III
Sheppick, Julie	Tech. IV
Simmons, Lee	Tech. IV
Stephenson, Mike	Tech. IV
Bigelow, Ken	Eng. Intern
Galindo, Jaun	Trans. Tech.
Miles, Micah	Trans. Tech.

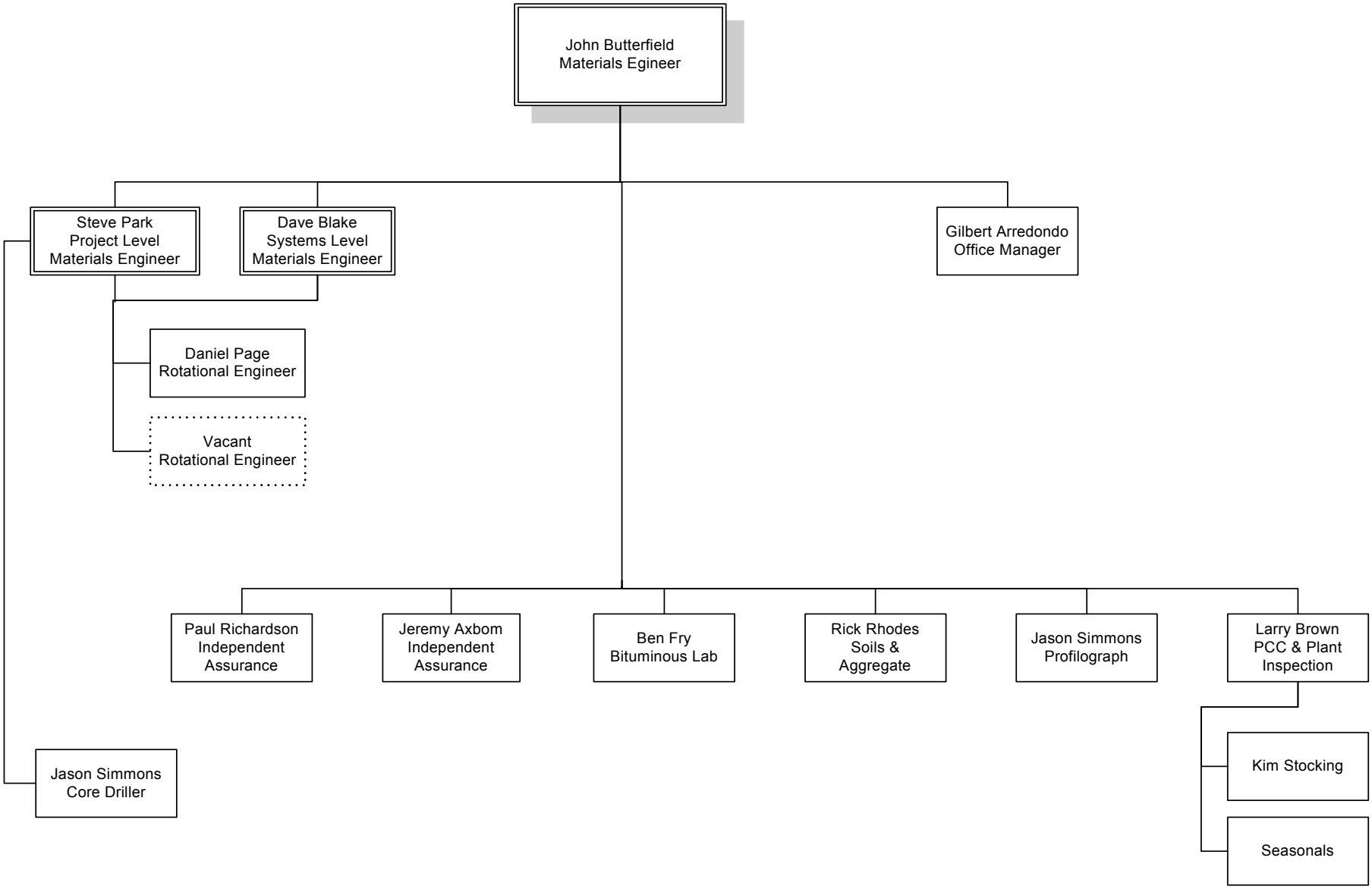
LONNIE MARCHANT
Resident Engineer
Phone: 435-336-5335
Cell: 910-2580
Lisa Anderson
Phone: 435-336-5335

Ball, Joyce	Tech. IV
Bowen, Kim	Tech. II
Bowen, Stan	Tech. III
Evans, Miles	Tech. IV
McCormick Matt	Tech. IV
Mitchell, Tim	Tech. III
Richins, Jeff	Tech. III
Wilde, Weston	Tech. III
Woolstenhulme, Bryan	Tech. III
Young, Daniel	Eng. III
Ntong'ondu, Mati	Rot. Eng
Anderson, Lisa	Trans. Tech.
Fry, Craig	Trans. Tech.
Moore, Jason	Trans. Tech.

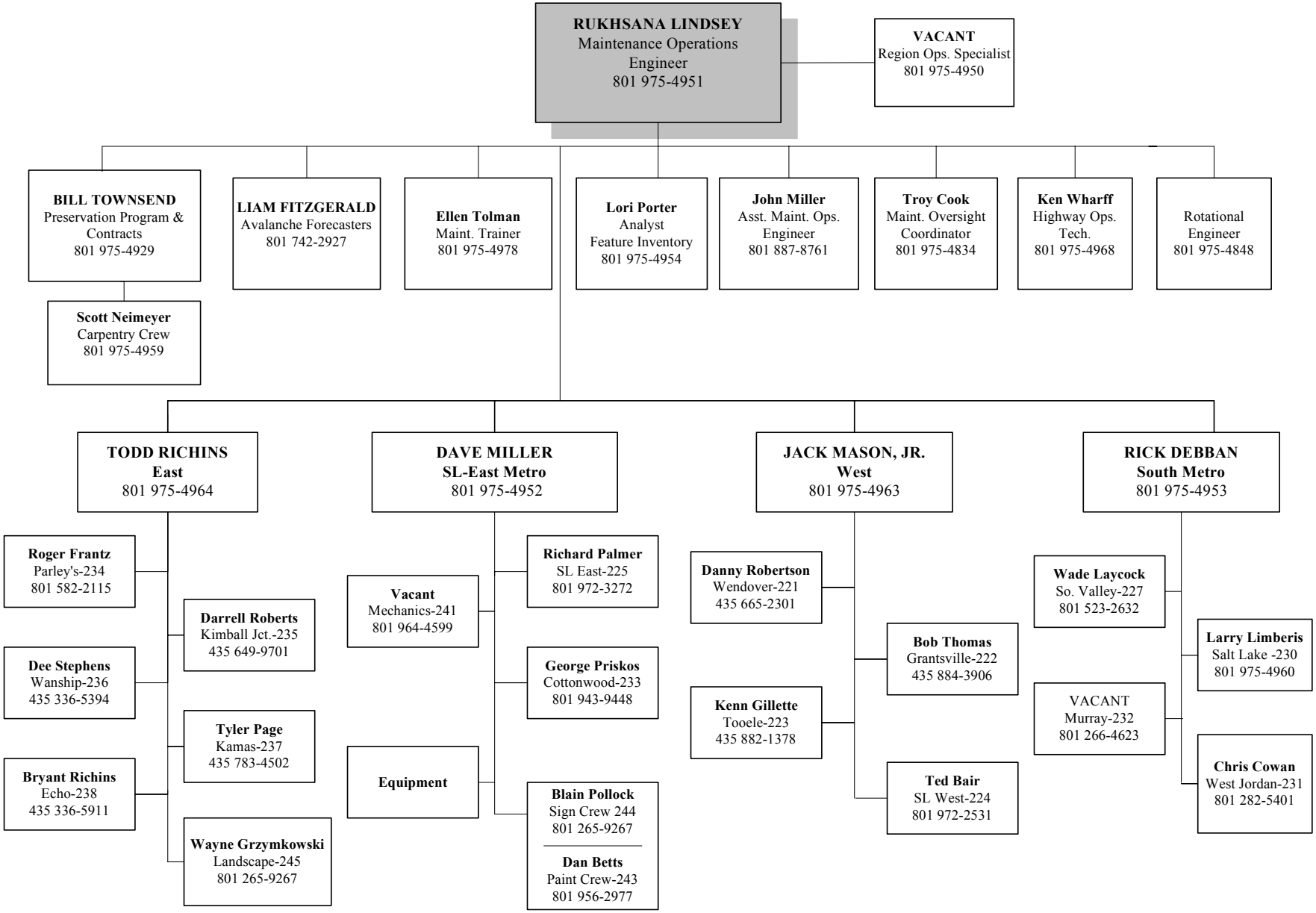
KRIS PETERSON
Resident Engineer
Phone: 887-3415
Cell: 910-2590
Sharla Allen
Phone: 887-3414

Allen, Sharla	Tech. II
Bekkemellom, Cory	Tech. III
Conway, Craig	Tech. III
Covington, Jeremy	Tech. II
Deaton, Jimmy	Tech II
Farah, Marwan	Eng. III
Gross, Steve	Tech. III
Hyatt, Tom	Tech. IV
Luna, Jerome	Tech. II
Nay, Shaun	Tech. II
Nielsen, Steve	Tech. IV
Peters, Tim	Tech. III
White, Mark	Tech. IV
Mora, Monica	Eng. Intern
Brown, Jake	Trans. Tech
Ellsworth, Ryan	Trans. Tech
Syme, Ken	Trans. Tech.

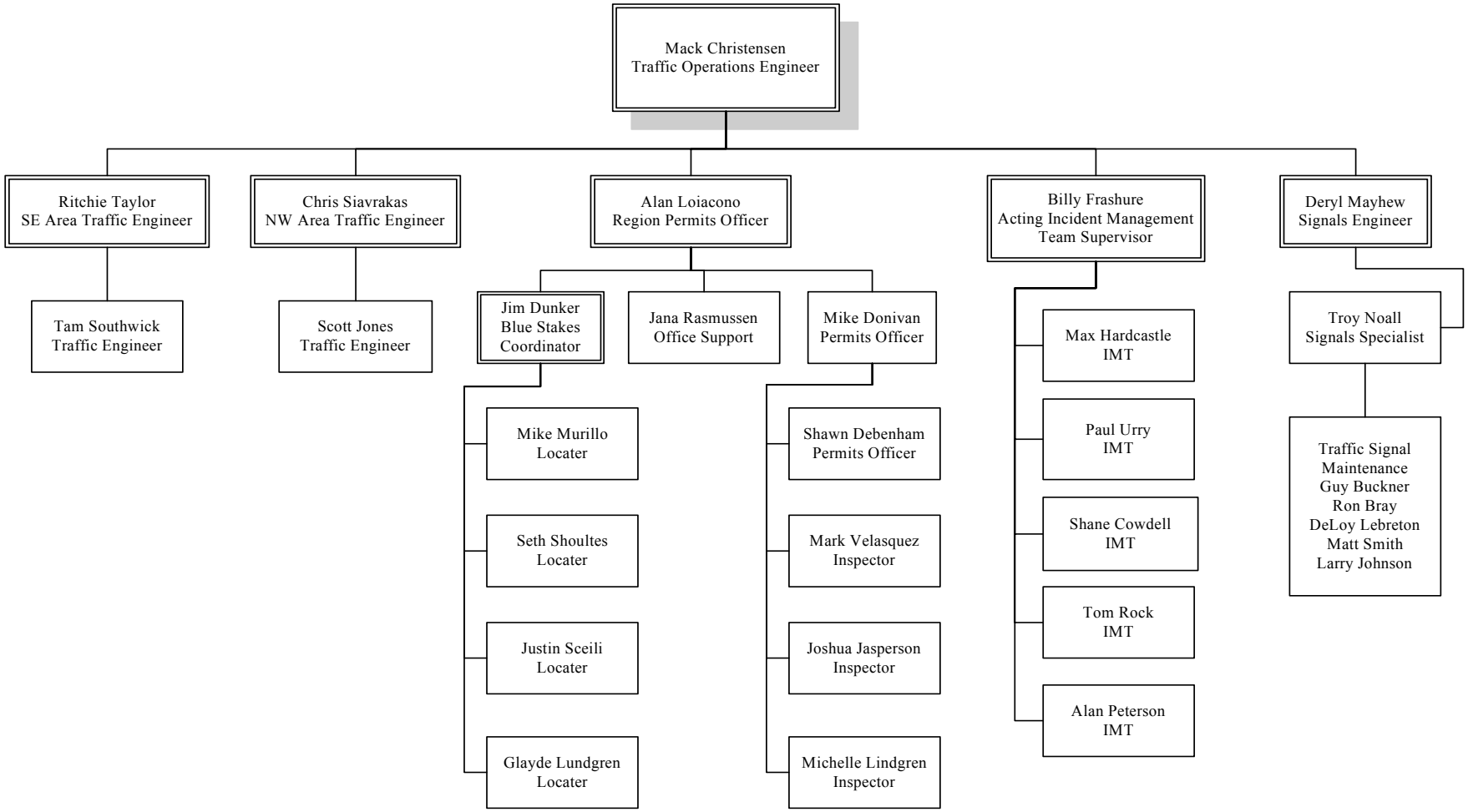
MATERIALS


John Butterfield
Materials Egineer
Steve Park
Project Level
Materials Engineer
Dave Blake
Systems Level
Materials Engineer
Gilbert Arredondo
Office Manager
Daniel Page
Rotational Engineer
Vacant
Rotational Engineer
Paul Richardson
Independent
Assurance
Jeremy Axbom
Independent
Assurance
Ben Fry
Bituminous Lab
Rick Rhodes
Soils &
Aggregate
Jason Simmons
Profilograph
Larry Brown
PCC & Plant
Inspection
Kim Stocking
Seasonals
Jason Simmons
Core Driller

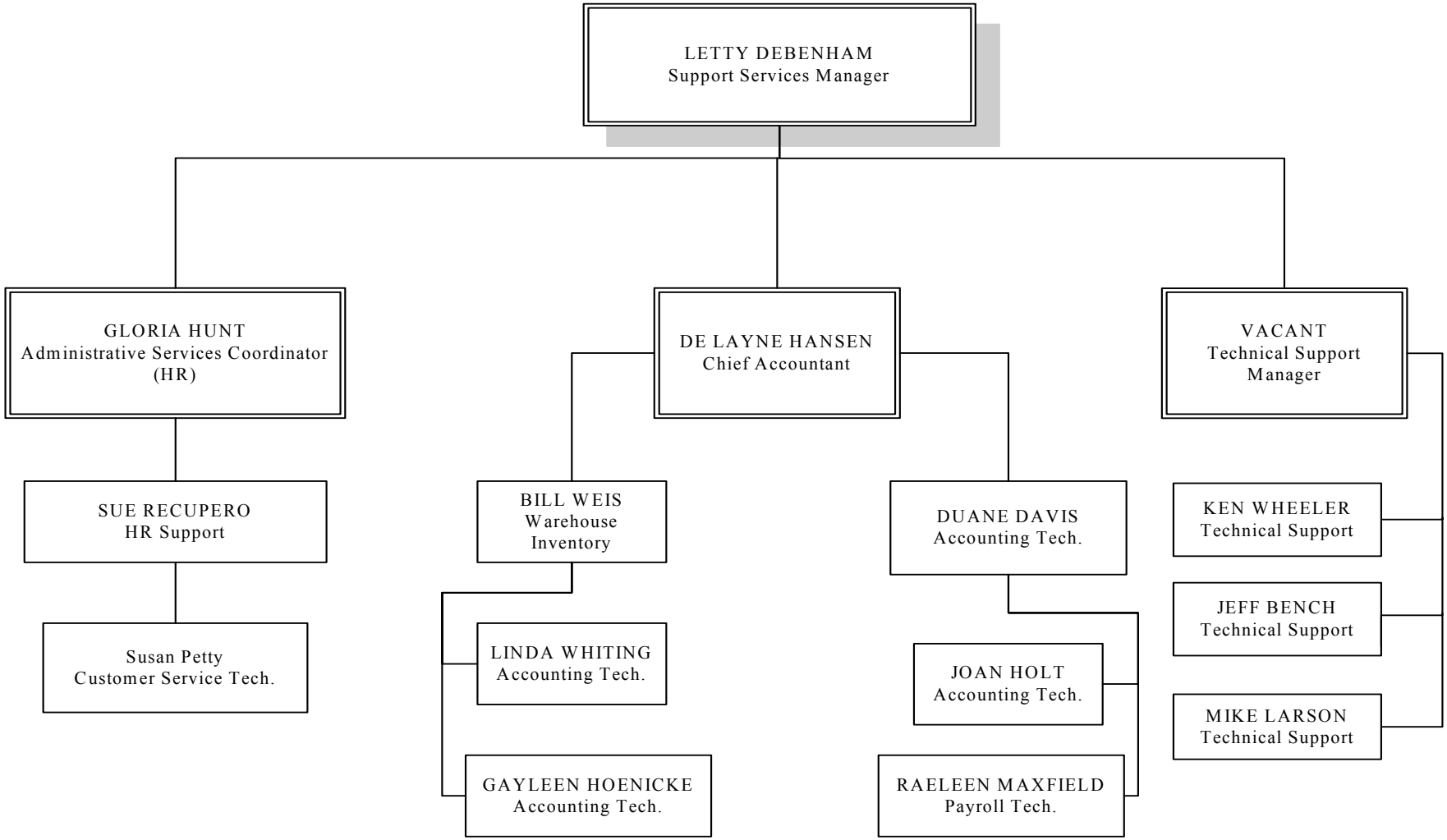
OPERATIONS & MAINTENANCE



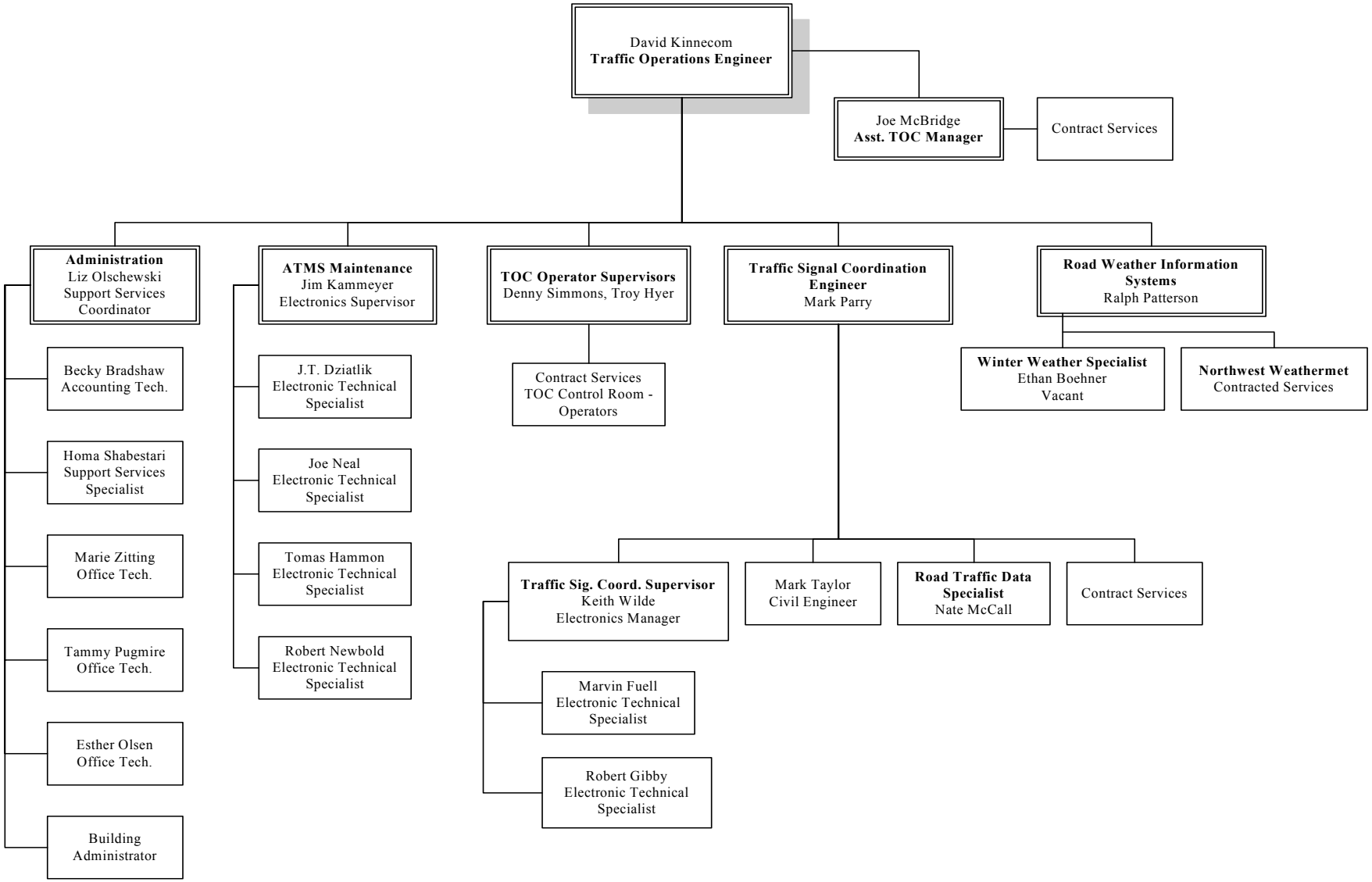
TRAFFIC OPERATIONS



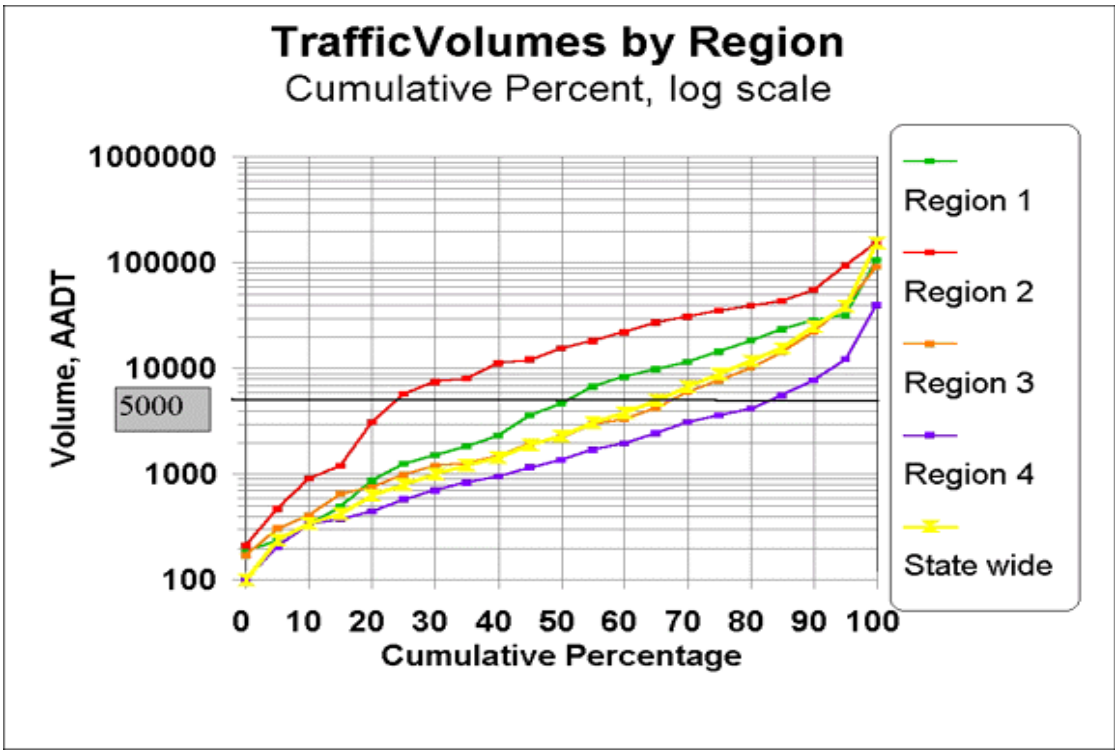
SUPPORT SERVICES

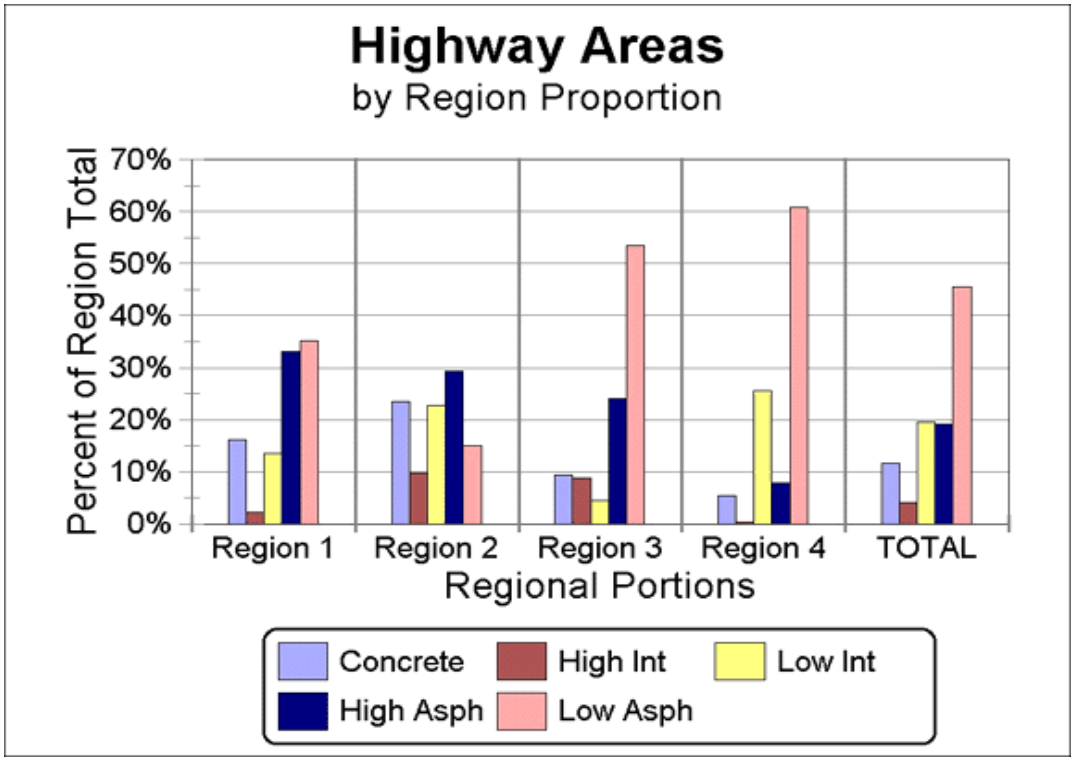


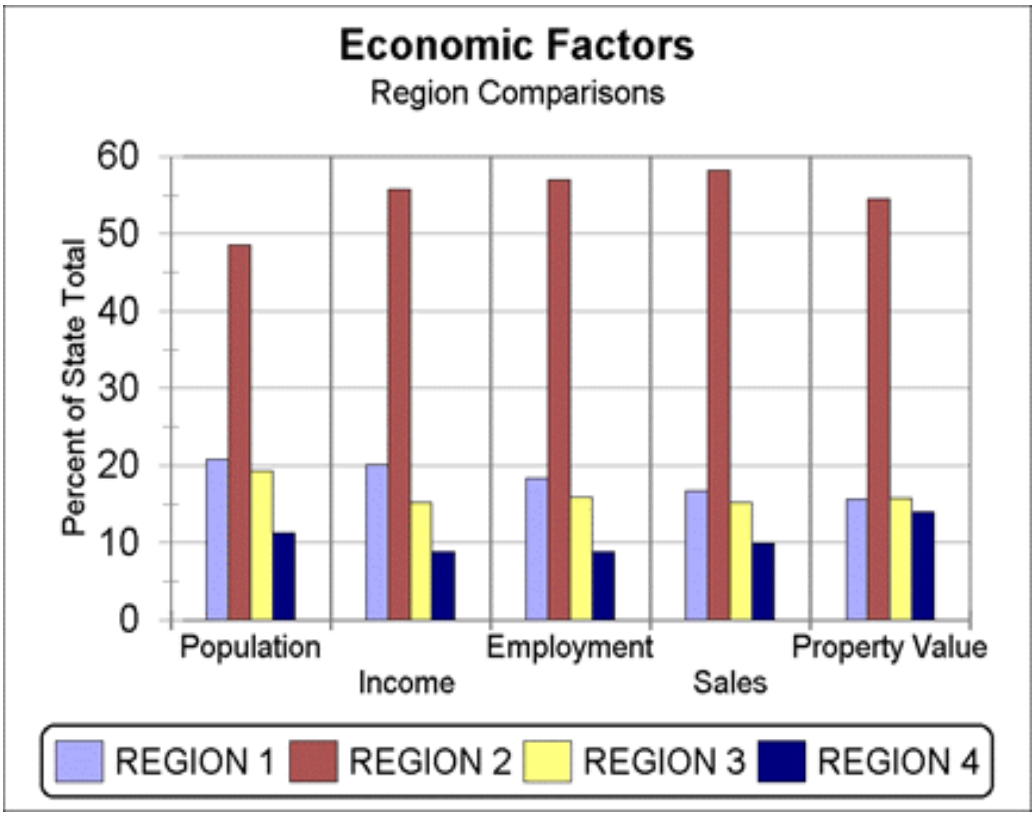
TRAFFIC OPERATIONS CENTER

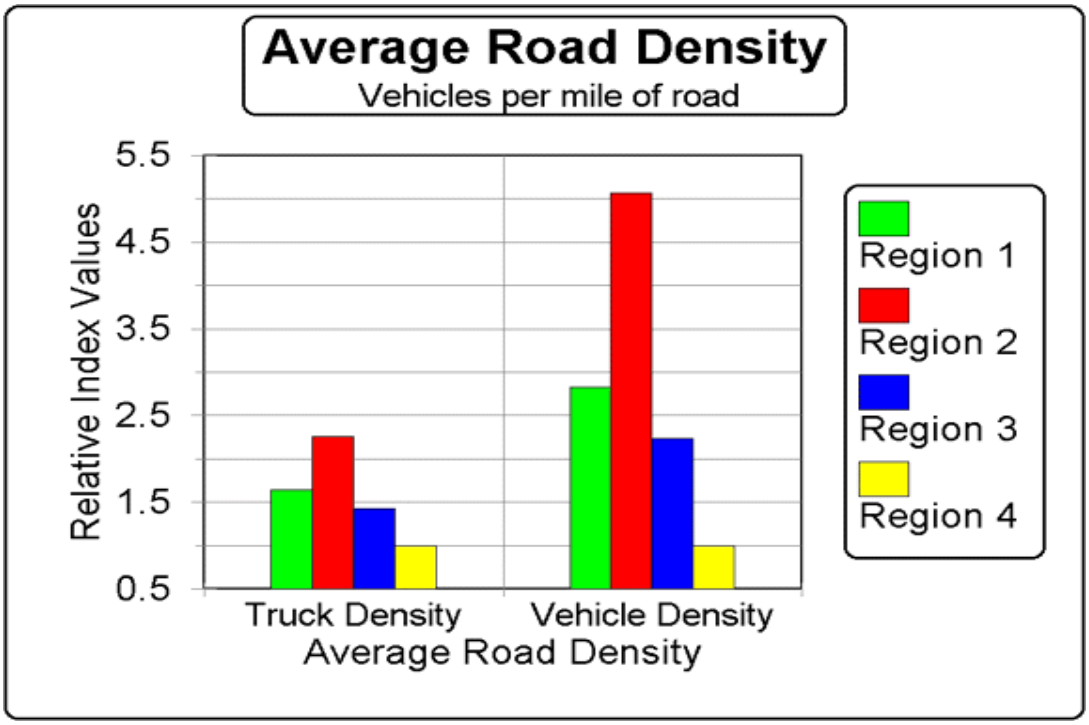


STATISTICAL CHARTS

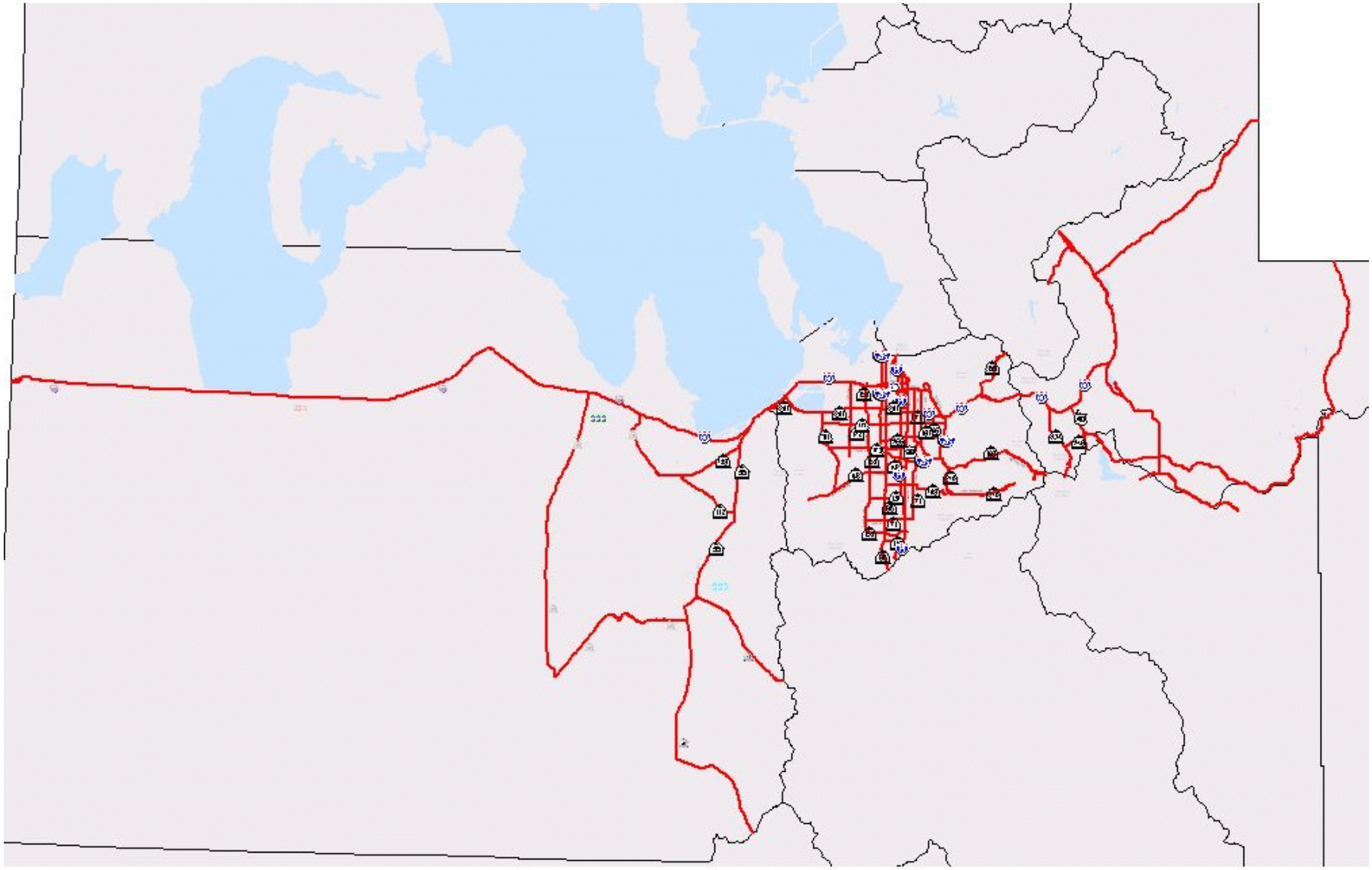


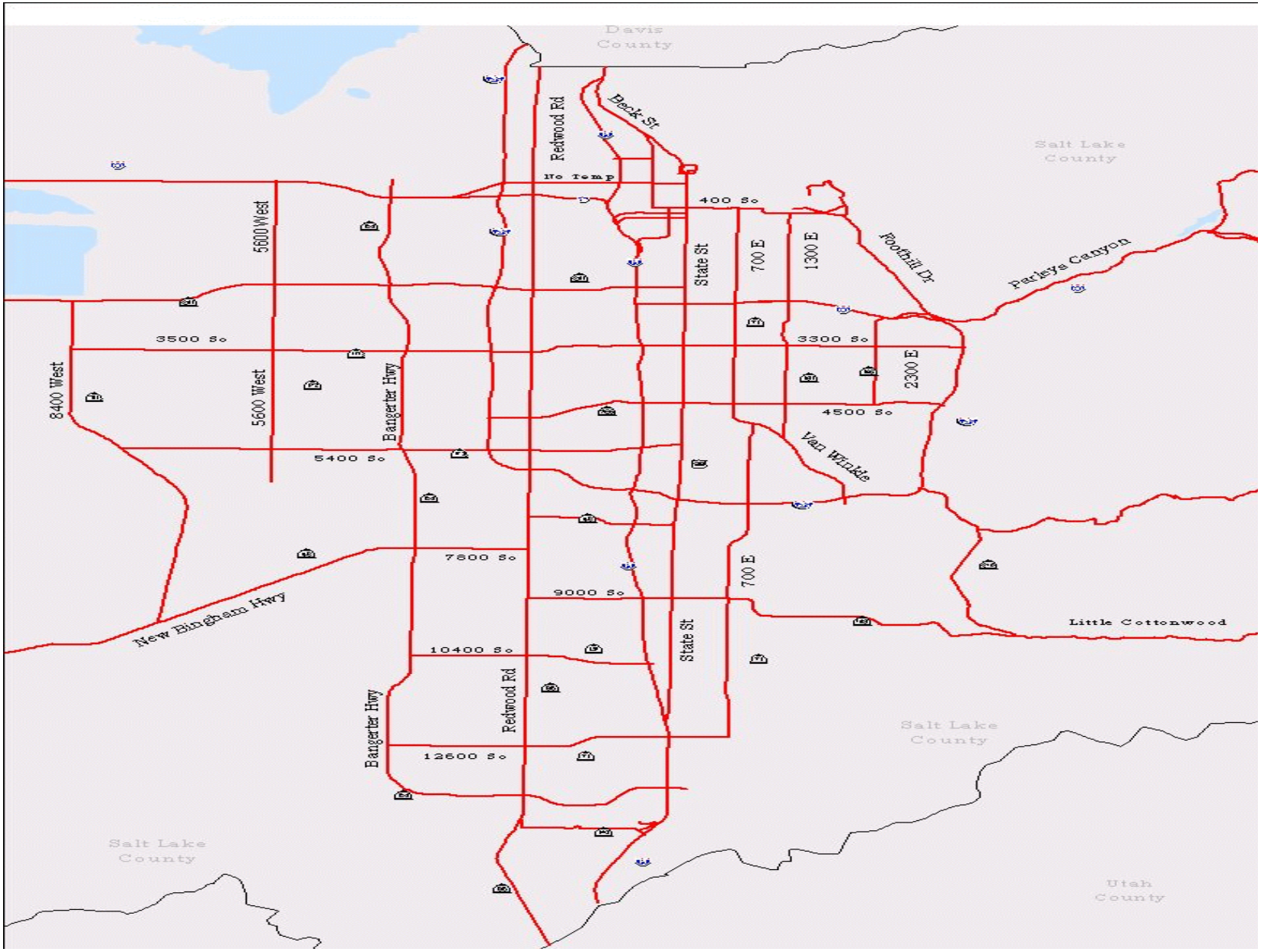


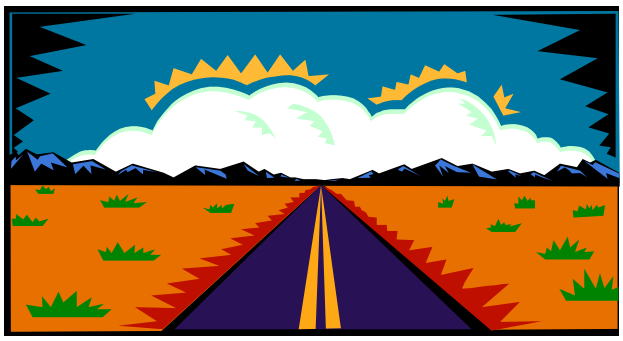

Economic Factors
Region Comparisons
Percent of State Total
60
50
40
30
20
10
0
Population
Income
Employment
Sales
Property Value
REGION 1
REGION 2
REGION 3
REGION 4


Average Road Density
Vehicles per mile of road
Relative Index Values
5.5
4.5
3.5
2.5
1.5
0.5
Truck Density
Vehicle Density
Average Road Density
Region 1
Region 2
Region 3
Region 4

REGION TWO ROAD MAPS




Davis County
Salt Lake County
Salt Lake County
Salt Lake County
Utah County
Beck St
Redwood Rd
No Temp
400 So
State St
700 E
1300 E
Foothill Dr
Parleys Canyon
3500 So
3300 So
2300 E
8400 West
5600 West
5600 West
Bangerter Hwy
4500 So
Van Winkle
5400 So
7800 So
9000 So
700 E
New Bingham Hwy
Little Cottonwood
10400 So
State St
Redwood Rd
Bangerter Hwy
12600 So

REGION TWO STATE ROAD NUMBERS AND NAMES

15	Interstate Route - I-15
32	Heber-Francis-Kamas, Wanship Main Rd.
35	Francis-Woodland-Wolf Creek Pass Rd.
36	Tooele County Main Arterial Road
40	US-40 Silver Creek towards Heber
48	7000 S., 7200 S. and 7800 S. Streets
58	Wendover Main Street
65	East Canyon - Big Mountain Rd.
68	Redwood Road
71	12300 S. and 700-900 E. Streets
73	Tooele to Lehi - Five Mile Pass Rd.
80	Interstate Route - I-80
84	Interstate Route - I-84
86	I-84 to Henefer Route
89	US-89 State Street and Beck Street
111	8400 W. - Bacchus-Magna
112	Grantsville - Tooele connection
138	I-80 - Grantsville - Mills Junction route
140	Bluffdale Road, Redwood Rd. to I-15
150	Mirror Lake Rd.
151	10400 S. and 10600 S. Streets
152	Van Winkle Expressway
154	Bangerter Highway
171	3500 S. and 3300 S. Streets
172	5600 W. Street
173	5400 S. and 5300 S. Streets
181	1300 E. Street
184	State St. - around Capitol to Victory Rd.
186	North Temple - 300 W. to 400/500 S. to Foothill Blvd.
190	Knudsen Corners to Big Cottonwood Canyon
195	2300 E. Street
196	Skull Valley Rd.
199	Dugway to Tooele - Johnson Pass Rd.
201	2100 S. Expressway
202	Garfield cutoff to I-80
209	9000 S. and 9400 S. Streets
210	Wasatch Blvd. and Little Cottonwood Canyon Rd.
215	Interstate Route - I-215
224	Ontario Canyon - Park City - Kimball Junction
248	Park City to Kamas route
266	4700 S. and 4500 S. Streets
268	600 N. Street
269	500 S. and 600 S. Street connectors
270	West Temple Street
280	I-80 to Coalville connector
282	University of Utah roads
287	Utah State Prison connection
292	Salt Lake Community College roads
293	State Capitol grounds
299	West Valley Motor Vehicle grounds
302	Rock Port State Park
317	UDOT-DPS Calvin Rampton Complex