DKS Associates
TRANSPORTATION SOLUTIONS

Oregon Department of Transportation

Appendix D: Interview Notes

CONTENTS

Interview itinerary
Interview notes

Bend ITS Stakeholder Interview Itinerary

Thursday 9/9/04

8:30 - Meet with ODOT

- Meet at Bob Bryant's office – ODOT Region 4, 63055 North Highway 97
- Attendees – Joel, Bob Bryant, JAWS, Dave Foster, Arly Mooney, Rick Williams

10:30 – Meet with City of Bend #1

- Meet at the Public Works Conference Room – 1375 Forbes Rd
- Attendees - Brandon Raz (Street Supervisor), Wanda Gray (Transit), Ken Fuller (Public Works Manager), Robin Lewis (City Traffic Engineer), Ken Gould (Project Manager)

1:30 – Meet with Deschutes County

- Meet at Gary Judd's office - 61150 SE 27th St.
- Attendees – Gary Judd, county staff

4:00 – Meet with Deschutes County 911

- Meet at Laverne's office conference room - 63333 Highway 20 W
- Attendees – Laverne, Laura Wolfe, Rick Silbaugh

6:00 – Meet with Bend MPO

- Meet at Deschutes Brewery
- Attendees – Carolyn Bonner

Friday 9/10/04

6:30 – Breakfast with OSP

- Meet at the County Cottage – 2650 NE Division St
- Attendees – Sgt. Eric Brown, Sgt. Paul Collinsworth

8:00 – Meet with City of Bend #2

- Meet at the Public Works Conference Room – 1375 Forbes Rd
- Attendees - Kashima (Parking Manager), Michael Magee (Engineering Manager), Bob O'Neal (Construction Supervisor), Steve Meyers (IT Manager), Bob Bussaberger (IT)

11:00 – Meet with City of Redmond

- Meet at Chris Doty's office - 875 SE Veterans Way
- Attendees – Chris Doty, Jeff England, Joe Sadony

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Date: 8/19/04 P/A no: _____ Page _____ of _____
Meeting/Phone by: JMP

Contact Name(s)/Affiliation: Joel McCarroll, Dave Foster, Arly, Jas, Jones Whitenberg

Subject: _____ Phone no: _____

Discussion:

Downtown Bend signals - No interconnect, run Bend

No map overall of the interconnect

Converting cell phones to land lines b/c the cell

Cooley Rd/Hwy 97 will have a land line phone
Robal/Hwy 97 btwn Mt. View + Target. Has a video detection camera for the left turn

Translink - All the time
Functionality: ① Would like to download traffic counts from Bend Area signals
Can't automate w/o calling every signal.
Would like to automate the download process.
② Translink only shows phase 2
Want to see separate detection
To identify detector failure

Collect the preempt data, power failures,
Call signals up to check the conditions
Especially night time calls

Action Items: Responsibility: Due Date:

Arly would like access to the signals.
Security issue w/ dispatcher. Don't want them to control all features
Set different user levels for security
Provide signal status

Distribution: _____

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Date: _____ P/A no: _____ Page _____ of _____

Meeting/Phone by: _____

Contact Name(s)/Affiliation: Ed More, Region 4 Planning

Subject: _____ Phone no: _____

Discussion:

Limitation, Only one phone line.
All should be fiber interconnect.

Have a switcher in one cabinet to switch from 170 ~~to~~

- Have wireless all over but there is security concerns. Not as reliable.

- VMS
- RWIS
- Camera monitoring

- ATRs - Get from ODOT webpage
Have phone + power

Existing Systems:

Challenge - Phone + Power

GIS - Long range planning - Would like to have vehicle classification from ATRs
Plan to put piezo in for count stations

Ed - Would like the weigh master to be able to do an O+D, how much it weighs + share with the planners + type of material.

Action Items: Responsibility: Due Date:

Graphics in Oregon Standard Projection
OSP South NAD83 - Deschutes Co.

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Date: _____ P/A no: _____ Page _____ of _____
Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion:

ODOT Weighmaster – Bruce Ward (541)

Trying to do incentive/disincentive based on restricting bridge to 80,000. Got info from trip permits but took longer to get all the heavy haul info.

Lot of info goes into main frame, but it doesn't get pulled out & used for study purposes

Automated Weigh Station – Juniper Butte
Talking about one at new weigh site south Bend.

Would like to know if they are loaded or not

– Not too much random portable weigh-in-motion

ATRs – Salem uses this & gives weekly report
Employee downloads data manually & fixes comm.

Comm more critical in rural sites b/c of long drive time

3 video vendors: AutoScope (27th) w/ phone line
Trafi Com (Install w/ video compression)

Action Items: Responsibility: Due Date:

New spec will be for one system vendor

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Date: _____ P/A no: _____ Page ____ of ____
Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion:

- Jas would like to see the video
- James thinks we should look towards NTCIP protocol so they are compatible
  NTCIP works well w/ NTCIP. & have to run with base software
- Jas is in the Hwy 97 Office

Org Structure –
James – IS Branch, reports to Elec Mgr.
– Works for Region Traffic
Dispatch Center reports to Dist. 10/Rick Willians
Used to all report to the District

All others report to Region Traffic
Current belief is this is a dispatch center not a TOC.

Existing Systems: ① Trans Link
② 3 Video Det Software
③ Using Skyline software package in XP software

Action Items: Responsibility: Due Date:
Jas role – maintenance & operations of ITS devices including Comm infrastructure.

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Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion:

(4) Have 6 separate VMS software
No fixed VMS that are not NTCIP
Only one VMS @ sisters (Arly has access to 3 VMS software systems)

(5) New PVMS are NTCIP (all are NTCIP) only work in the valley
Intent is to use the Skyline software to access PVMS.
Uses a digital protocol when only Verizon has available
Have multiple DOS applications for PVMS access & will only get rid as signs are replaced.

(6) HARs radio system. Separate software for HAR.
Working on TOCs to integrate these operations.
Schedule is about 2 years out.

(7) Direct link to OSP CAD system & connectivity to law enforcement
Leased services — 56K link
Use this system to PSSI CAD to manage incidents
OSP main frame is in Salem, Dispatch is in Salem.

Action Items: Local ops out of County

	Responsibility:	Due Date:

Distribution: _____

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Date: _____ P/A no: _____ Page ____ of ____
Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion:

(8) HTCRS - Feeds Trip Check, Public Info.
Across ODOT WAN, which is fiber
Dept of ~~Ad~~ministrative Servias
Potential opportunity

Have fiber from Klamath Falls to Eugene
owned by ?? ODOT got dark fibers 58/97
Junction.

Bend Cable & Deschutes County & City of Redmond
have fiber. Have verbal agreements for full motion
video

COIC staffs Central Orga Area Commision on
Transportation. - Kind of like COG

- Huge opportunity to share fiber w/ these groups.
Deschutes County has huge amounts of fiber
- Need agreements for sharing.

Have DAS fiber out of Portland on 26 into Bend.

(9) RWIS Stations - Communicate primarily via
phone - Have some frame relay
dedicated circuits @ Lava
Butte

Action Items:	Responsibility:	Due Date:

Distribution: _____

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Date: _____ P/A no: _____ Page _____ of _____
Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion:

No other physical interfaces w/ other agencies
Share info

Law enforcement data system is their interface is the only standard

Example: • Be able to share data in a common format about ongoing info btwn the roads
• Need to get common data sets & Standards
• Race to get info on accidents / incidents
• What a history of accident problems

ODOT has an incident responder
Works w/ County to raise awareness.
Challenge: Why does ODOT need to respond

• Have a deer sensor (gathered deer accident info.)
Snap a picture w/ movement.

Wildlife Migration Study going on. How do you design a highway to accommodate deer / elk migration
Sheet style migration.
Need resources for good data collection.
- Standardize data sets to pull into GIS & project it right.

Action Items: | Responsibility: | Due Date:

Distribution: _____

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Date: _____ P/A no: _____ Page _____ of _____
Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion:

- Pilot project to give Maintenance GPS to record crash locations.
Nice to have GPS unit to record the incident.

Wireless camera on
Have an existing video switch to handle 120 videos
Parkway should be flooded w/ cameras & transmitted full motion
PTZ needed for incident mgmt

ODOT reproduces video & sends it back to Bend Cable

Working on a digital switch
Bend Cable disseminates stuff outside of Bend area. They have shipped video via microwave to PDX.

- ODOT is looking at a package to send/stop images package for a local cable co. & put a point of contact for anybody to come & get the video
CABLE TV Project. Bend is the pilot

Action Items:	Responsibility:	Due Date:

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Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion:

Problem Areas: Need cameras / incident detection
No shoulders so This is needed.
- Hard to do any kind of stop
- Stalled vehicles are the problem on the Parkway.
Only a dozen or so crashes.

Long term problem - No freeways / Freeway type volumes
Bend to Redmond
Sun River to Bend
- No alternate routes, north + south of Bend.
- Large commute: Redmond to Bend + Sun River to Bend
Median is a problem b/c no place to reroute, but.
- Communication is the biggest thing.
- Challenge - Conduit is tough b/c rock
Power, phone is tough
Gets cut from project from b/c expensive to do in rock
Directional drilling is difficult.

Dave Mayer - Incident responder
- Not patrolling regularly. Does a lot of PR work.

Action Items:	Responsibility:	Due Date:

Distribution: _____

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Date: _____ P/A no: _____ Page _____ of _____
Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion: Summer + Winter related issues.
- Have roles set for responding to incidents.
  - Routinely evacuate Black Butte
    Deschutes River Woods
    Toll gate
    Sun River
- County has reverse 911

Development of incident command has been a key role.
Lack
Close hwy to let everyone out. No way to tell motorists
Need advance info. to travelers on 97 + 22, etc.
Needs: Permanent VMS north + south of Bend
SB out of Bend
NB out of Bend
Lava Butte has chains req'd. How about a sign here for driver info.
Remotely changeable chain up signs
(Needs to be white w/ black)
30K for sign
Exist on Ladd Canyon +
Need another alternative for Chain Up Signs
Need to Get info about.

Action Items: Weather changes dramatically in this area. Responsibility: Due Date:

Put a VMS SB in La Pine. How about NB, but didn't get put in b/c no alternate routes.

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Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion:

Joel has a priority list of VMS

- Arly gets 30+ calls a day to get weather btwn Lvr & Redmond

Sisters sign need for public info

Challenge: Power + comm!!
Bogus info is tough w/ PVMS b/c they don't get charged based on current info.

Salem changes signs on Santiam.
- People ignore the signs. Info is based on maintenance mgr input

Travelers need the camera images
- Camera needs to have complete coverage over the passes

Mt. Bachelor does not want camera or VMS.
Had an ATR on the way up to Bachelor.

Need camera @ S. Century & Century Dr.
No power + phone.

Have weather station
Need info for crews doing the winter maint.

Action Items: Not a capacity problem. Responsibility: Due Date:
↳ Need to keep the road in good condition.
Winter maintenance practices.

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Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion:

Hwy 20 E needs RWIS, surface temp.
@ Horse Ridge.
Have a weather station, but does not have road temp.

Maint. does not know how to get to the weather data.
How about a screen to post the data so people don't have login through security, etc. Data needs to be easily accessible.

What does Mt. Bachelor need? Dan Rutherford complains about conditions of the road. Rather have chain up in the parking lot.

Flip down sign for Condition A, B & C.

- Bachelor operates buses from parking lot in Bend to Bachelor.

Fire has separate Incident Command Center.
Fire is the biggest issue
TMA – Ends up @ Sheriff's Office

Action Items:

	Responsibility:	Due Date:
EOC?		
Tourism?		

Distribution: _____

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Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion:

Tourism? – Parking management system in Sisters if they make progress here.

Events – Deschutes County Fair
Sisters Rodeo.
Family motor coach Assn in Redmond
Fairgrounds is a big RV parking lot

– ODOT has not done anything operationally. More devices would be used for PR type stuff.

Opportunities: 0809 TIP update program to widen 97 to Lava Butte to take 4 lanes South to Sun River.

– Bypass at-grade rail crossing on 97
– 97 Bypass around Redmond (Reroute)
– Not going to get conduit w/o $
– Interchange planned @ Sun River entrance (Will have power)
–
– Glacier Island (126) 97 in Redmond west to City limits
3 lanes going to 5 lanes
Has a 2-inch conduit
Bend Cable has to relocate fiber

Want some ODOT stuff in here

Action Items: Responsibility: Due Date:

Look @ existing Deschutes County 97 reroute project

Distribution:

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Date: _____ P/A no: _____ Page _____ of _____
Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion:

David Moyer - Incident Responder 388-6220
Joel will talk to maintenance about RWIS.

James ~~[illegible]~~ Wittenberg 541 388-6481

Action Items: Responsibility: Due Date:

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Date: _____ P/A no: _____ Page ____ of ____
Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion:

Problem Areas

- Parkway needs cameras/incident detection
  - no service patrol existing
  - stalled vehicles is problem

- No freeways, but freeway level volumes
  - Redmond/Bend → huge demand for commute in future
  - Sunriver/Bend
    - significant impact w/ incidents
    - no alternate routes

- Need communications
  - future need installation doesn't happen → rocks everywhere
  - → expensive to have fiber as backbone
  - aerial lines can be leased, difficult

- Emergency/Evacuation
  - no specific plans
  - roles are established between agencies
  - County has reverse 911 for notification

- lack traveler/motorist information to warn about road closures
  - need permenant VMS N+S of Bend

Action Items:	Responsibility:	Due Date:

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Date: _____ P/A no: _____ Page ____ of ____
Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion:

Joel - VMS should be used at decision points

- is there another way to have chain up requirements posted → cost effective
  - $30,000 for changeable

Ed - moveable VMS signs aren't updated often enough

Coordinate w/ Mt. Bachelor
- they don't want cameras
- no power/communication / surface temp./weather
- maintenance could use sensor info
  - important to keep road open

JTMS → even w/ in dept. → lack of communication about where data is available

Mt. Bachelor could use ATR data for staffing/parking

EOC?
- only used for fires/floods
- TMC ends up at sheriff's office

- Tourism
  → parking mgmt. system in Sisters

Action Items:	Responsibility:	Due Date:

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Date: _____ P/A no: _____ Page _____ of _____

Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion:

Big Events - Deschutes Co. Fair
- Sisters Rodeo
- Family Motor Coach Assn.

⇒ could use more public info for these

Future Opportunities

- Update to '08/09
  - widen 97 to SunRiver
  - reroute 97 in Redmond - North
  - interchange @ SunRiver South - will have camera
  - ORE 126 in Redmond, US 97 to W city limit
    - ~~Here~~ has 2" conduit
    - widening
  - reroute 97 in Redmond South

- talk to David Meyer → Incident Manager

Action Items:	Responsibility:	Due Date:

Distribution: _____

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Date: 8/19/04 P/A no: _____ Page _____ of _____
(Meeting)/Phone by: CSM

Contact Name(s)/Affiliation: Joel McCarrol, Dave Foster, Arly Mooney, JAWS, Ed Moore ↑ planning, GIS

Subject: Bend ITS Phone no: _____

Discussion:

- Downtown Bend → no interconnect, no phone drop
- Converting cell phone @ intersection to CAT line
  - Robal / 97
    - just added video detection / LT phase
  - Cooley / 97
  - Use Travlink all the time - Bend
    - possible upgrades
      - download loop counts + give to City → need automated process
        - advance loop
      - seperate actuation detection
      - collect 3M pre-empt data
      - Arly wants access to signal when → check status
        staff isn't available to check
        Jaws: security issue → to much info
        → need to control info by user
      - limited by 1 phone to master → 1 line to all signals
        → limited access
      - have switcher in signal cabinet to see video / ITS

Jaws
- wireless communication used all over → interference common
  - prefer fiber eu

→ Use ODOT projection

Action Items:
→ Dave will give us ATR's
→ JAWS gave us all info but signals

Responsibility:	Due Date:

Distribution: _____

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Date: _____ P/A no: _____ Page ____ of ____

Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion:

Ed → Use NAD83 - feet - State Plane South

→ Use this for maps → ODOT can convert what they want

Ed → ATR's / GIS

- need to be able to do vehicle classification
- Dave → plan is to put pizeometers into ATR's

→ Weigh Stations

- O/D surveys → collect & give to ODOT
  - include weight, materials → HAZMAT
- Bruce Ward is WeighMaster

→ lots of data put into mainframe, not much useful comes out

Dave → ATR's are manually checked

→ Only other signal systems

- 3 different video detection vendors in Bend
- 1 phone line to all cameras
- on 27th - low quality
- Use Autoscope to access
- starting to use Traffican → w/ video compression card

Joel → should spec vendors → public interest

Action Items:	Responsibility:	Due Date:

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Date: _____ P/A no: _____ Page ____ of ____

Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion:

JAWS → NTCIP protocal should be special for vendors

Joel → Organization
Dispatch reports to D10 maintenance → Rick Williams
JAWS → reports to Salem, Ken, then Joel

JAWS → Role: maintenance & operation of all ITS devices in region
-including all communication
→ using Skyline software (Win XP) for VMS signs
→ only 1 fixed VMS sign in study area (Sisters)
→ intent is to use Skyline → Verizon 3G2 is only provider in area can carry it
→ old sign will be replaced w/in 5yrs. DOS environment

Action Items:	Responsibility:	Due Date:

Distribution: _____

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Date: _____ P/A no: _____ Page _____ of _____
Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion:

Arly → - 3 system that run UMS
- HARS radio

JAus - TOGS is intented to integrate
- seperate link to OSP - CAD system PSSI is vendor
- connectivity to law enforcement data system

- Bend OSP does not have ~~dispatch~~ dispatch

Arly → also use HARS to update Tripcheck → WAN line
→ one camera that can be controlled

JAus → Bend Cable has cable all over region
- County + Redmond have purchased

Joel → CIOC staffi
→ has own cask
Jaus → big opportunity for agreement/coordination
→ County has cable all over

DAS has fiber down US 26 from Portland to Redmond

JAus ATMS → can get us lat/long

Action Items:

Action Items:	Responsibility:	Due Date:
→ Contact JAus for lat/long of devices		

Distribution: _____

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Date: _____ P/A no: _____ Page _____ of _____

Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion:

→ Needs for interface
- JAWS big need
- law enforcement is only one who has it, old system

→ Specific sources
- common format of data between agencies
- lack of communication of incidents between agencies
- explain why data is useful
  - deer detection
  - migration routes → roadkill location data
  - testing give GPS unit to maintenance staff

→ ability for IR camera → control movement
→ city/county would probably like access to data
→ only camera w/ control is 97/Colorado
- Cable Ch. 48 shows video

JAWS → project in works to have digital switch
- central access to video info
- cable TV project

Action Items: | Responsibility: | Due Date:

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Date: _____ P/A no: _____ Page ____ of ____
Meeting/Phone by: _____

Contact Name(s)/Affiliation: Tim Boyson, Tech Spec for Bend Police, Jude Fulghan, Robin Lewis
Subject: _____ Phone no: _____

Discussion:

City of Bend Police has been working w/ incident responder.
Don't have radio comm to incident responder vehicle

- Share an 800 MHz trunked radio system
  Could talk to Redmond, Forest Service, Bend Fire.
  Need are radio in incident response vehicle
- Use a patch through dispatch
  Incident response guy has requested the radio ~ $3,000

911 Center - dispatches
Officers have MDTs
Responsible for voice comm, data to cars + network to station
All police vehicles have MDTs.
Working on a PDA device.

- CAD has capability for AVL + GIS
  Working on live video (security, ped tunnel, breezeway)
  Not stream video all the time,

Action Items: Responsibility: Due Date:

Planning a wireless 802.11 Citywide network
Trying to get
Will get 7 sites up + running this fall

Expand to 90 % coverage w/ City of Bend

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Date: _____ P/A no: _____ Page ____ of ____
Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion:

Roles + responsibilities: ODOT does op + maint.
Police does incident response
→ Community Service officers set up detours.
→ Community Service Patrol would control VMS.
↳ part of Bend police

Robin works with operations complaints
ped crossing safety
Heavy delays.

Forward all signal ops calls to Dave Foster @ ODOT.

Require concurrency standard. Trying to come up with mitigation means other than widening.

- 27th Corridor
- 3rd Street

} SCATS, SCOOT, etc. could include on a CIP get to operate

Signal timing issues are a problem. Some coordination.

Traficon, Autoscope.

Action Items:	Responsibility:	Due Date:

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Date: _____ P/A no: _____ Page 2 of ____

Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion:

Not sure 802.16. Using City owned property for the antennas

City of Bend IT + police dept involved. Homeland Security. Police station is wireless
Will upgrade MDT to do video (still pictures)

- Project engineered in 2001. Benefits City + County, etc. Will approach as a City project.

Use PDA to connect to City services wireless (Want to split 1/2 way w/ public access - 1/2 w/ City/police stuff).

Municipal wireless demo planned in the Fall

Police has owned fiber. City entered franchise agreement. City got 18 drops.
Public Works
Police
Other City sites connected via owned fiber + interconnected to Deschutes County + has a couple of fibers +

Action Items: Responsibility: Due Date:

Local ISP has given connections to schools.
Oregon Trail → 180

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Date: _____ P/A no: _____ Page _____ of _____
Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion:

Limited # of drops for City + County — Bob Essberger

Have redundant path into PD + public works

Bend Cable an opportunity to use their conduit.

Would like to have traffic information @ dispatch center + Main Sta.
- More info they have upfront gives them ability to decide how much to dispatch, etc. Make decisions ahead of time.

CAD system (Hitech) — All agencies in Bend area run this CAD
- Probably need to
His product is based on Map Info.

Have 800 MHz in Forest Service, Bend public works. Work in channels.
Technology is in place to direct ambulance, public works, etc.
Don't have incident response team from the State

Have 10 sites w/ County-wide coverage, etc.

Action Items: — Responsibility: — Due Date:

Opportunity: Sites are County owned
Some are OSP sites
IGAs are in place
Add additional equipment is a possibility

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Date: _____ P/A no: _____ Page ____ of ____
Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion:

Fire response – County did evacuation route planning, for Fire, river floodplain, shows where shelters are + police agencies.

No way to get

- EOC – is @ The MAC Center @ Sheriff's office
  Several backup EOCs: Bend Fire,

Fiber connects to the EOCs. has a separate tower. No connection to OSP.

Captains mentioned physical improvements.

Jude Fulghum – Collects High crash locations
Project @ Bend Police will pull Bend base data

All police agencies share one record system.
Export data into Excel for Jude.
She merges data today
Police has GPS on all 29 police vehicles
Putting a GPS refer → Would like to map in the future

Action Items:	Responsibility:	Due Date:
Jude gets data once/month. Adding a field to show type of data		

Distribution: _____

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Date: _____ P/A no: _____ Page _____ of _____

Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion: GPS data includes lat/long today so Jude could get this data today.

Laverne Esseltyn – gives CAD data.

City of Bend police would like to have video incident + congestion info.

Tim Boyson is the Bend PD IT/Radio Guy

→ Bend (Jude) will work w/ Bend PD to map crash locations.

Project: Automate the crash location database entry.

Bend Police + Fire: EV preemption
→ Needs vehicle code info.
Police is interested in Opticom

Only signals w/o Opticom are 6 downtown.
Don't know if they are the most

Action Items:	Responsibility:	Due Date:

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Date: _____ P/A no: _____ Page ____ of ____
Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion:

Ken Gould – PM for Capital Improvement Division.
Work on capital improvement projects.

– Arterial roadway improvements

- 27th: / Empire to Baker Rd
  - gap between Empire & Butler / Mkt.

Reed Market corridor – ~~Under Construction~~
In planning
Hwy 97 east to 27th
Mostly City owned signals

Recently widened portion in

Will be conduit put on 27th.
Would be nice to know what size, design reqts

Opportunity for conduit in future projects.

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Need better, snappier timing.

Action Items: Hands on operations — Responsibility: — Due Date:

Get more capacity out of existing system.

Distribution: _____

CONTACT REPORT

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Some 3-inch conduits downtown.

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If they do upgrade the bldg or move.
What do they need.

30 Existing Signals
50-60 in next 20 years

Action Items: Responsibility: Due Date:

Robin has map of 3-inch conduit

Distribution: _____

CONTACT REPORT

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Traffic • Transportation • Engineering

Date: _____ P/A no: _____ Page _____ of _____
Meeting/Phone by: _____

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Discussion:

Signals - 207~~0~~s / 170s

↳ Is a central system req'd

3rd Street has a high # of crashes
27th w/ emerg. response

- 27th always preempted b/c hospital is nearby

Downtown Parking - New garage w/ smart card technology is planned.
Need this full flow b/c not all floors can be accessed from the same entrance.
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Today it is not + is left on all day.

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Want to Know		

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County is putting up a permanent GPS station

City will use cell phone technology

Ken wants equip in snowplows, etc for AVL + needs work orders

Maintenance log potholes, etc w/ GPS Reference Station gives the accuracy.

GIS info is broken up. Police do own piece. Nobody in charge to make it accurate. Need a City wide GIS coordinator for sharing this data.

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- Public calls for volumes + it is tough to look up.
- Want to be able to do seasonal fluc. need tracking

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- Need to do active operations, not just putting out fires — Responsibility: — Due Date:

Dave Foster emails loop outputs.

Distribution: _____

CONTACT REPORT

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Traffic • Transportation • Engineering

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Contact Name(s)/Affiliation: _____

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Jude enters counter info into Access database that shows ADT, avg speed, ~~date~~, vehicle classification

- Use Numetrics Histar for system counts
  - Have one video count station that is going to go on every bridge

ODOT is working on a SPIS ~~to~~ database to send to City.
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Shows top 20 locations by volume only, not prorated by volume

Winter problem areas: Century Drive (flipped cars)

- Neff road north of Butte w/ 8% slopes
- Crews plow often. How about auto de-icing?
-

Weather Stations: City has some.

Need for some weather info. (road temp for de-icing)

Action Items: Follow a set route today — Responsibility: — Due Date:
Could get some info

- Want to do transit priority

Distribution: _____

CONTACT REPORT

DKS Associates
Traffic • Transportation • Engineering

Date: _____ P/A no: _____ Page ____ of ____
Meeting/Phone by: _____

Contact Name(s)/Affiliation: Tim Boyson, Tech Spec for Bend Police, Jude Fulghan, Robin Lewis
Subject: _____ Phone no: _____

Discussion:

City of Bend Police has been working w/ incident responder.
Don't have radio comm to incident responder vehicle

- Share an 800 MHz trunked radio system
  Could talk to Redmond, Forest Service, Bend Fire.
  Need are radio in incident response vehicle
- Use a patch through dispatch
  Incident response guy has requested the radio ~ $3,000

911 Center - dispatches
Officers have MDTs
Responsible for voice comm, data to cars + network to station
All police vehicles have MDTs.
Working on a PDA device.

- CAD has capability for AVL + GIS
  Working on live video (security, ped tunnel, breezeway)
  Not stream video all the time,

Action Items: Responsibility: Due Date:

Planning a wireless 802.11 Citywide network
Trying to get
Will get 7 sites up + running this fall

Expand to 90 % coverage w/ City of Bend

Distribution: _____

CONTACT REPORT

DKS Associates
Traffic • Transportation • Engineering

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Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion:

Roles + responsibilities: ODOT does op + maint.
Police does incident response
→ Community Service officers set up detours.
→ Community Service Patrol would control VMS.
↳ part of Bend police

Robin works with operations complaints
ped crossing safety
Heavy delays.

Forward all signal ops calls to Dave Foster @ ODOT.

Require concurrency standard. Trying to come up with mitigation means other than widening.

- 27th Corridor
- 3rd Street

} SCATS, SCOOT, etc. could include on a CIP get to operate

Signal timing issues are a problem. Some coordination.

Traficon, Autoscope.

Action Items:	Responsibility:	Due Date:

Distribution: _____

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Traffic • Transportation • Engineering

Date: _____ P/A no: _____ Page 2 of ____

Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion:

Not sure 802.16. Using City owned property for the antennas

City of Bend IT + police dept involved. Homeland Security. Police station is wireless
Will upgrade MDT to do video (still pictures)

- Project engineered in 2001. Benefits City + County, etc. Will approach as a City project.

Use PDA to connect to City services wireless (Want to split 1/2 way w/ public access - 1/2 w/ City/police stuff).

Municipal wireless demo planned in the Fall

Police has owned fiber. City entered franchise agreement. City got 18 drops.
Public Works
Police
Other City sites connected via owned fiber + interconnected to Deschutes County + has a couple of fibers +

Action Items: Responsibility: Due Date:

Local ISP has given connections to schools.
Oregon Trail → 180

Distribution: _____

CONTACT REPORT

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Date: _____ P/A no: _____ Page _____ of _____
Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion:

Limited # of drops for City + County — Bob Essberger

Have redundant path into PD + public works

Bend Cable an opportunity to use their conduit.

Would like to have traffic information @ dispatch center + Main Sta.
- More info they have upfront gives them ability to decide how much to dispatch, etc. Make decisions ahead of time.

CAD system (Hitech) — All agencies in Bend area run this CAD
- Probably need to
His product is based on Map Info.

Have 800 MHz in Forest Service, Bend public works. Work in channels.
Technology is in place to direct ambulance, public works, etc.
Don't have incident response team from the State

Have 10 sites w/ County-wide coverage, etc.

Action Items: — Responsibility: — Due Date:

Opportunity: Sites are County owned
Some are OSP sites
IGAs are in place
Add additional equipment is a possibility

Distribution: _____

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Date: _____ P/A no: _____ Page ____ of ____
Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion:

Fire response – County did evacuation route planning, for Fire, river floodplain, shows where shelters are + police agencies.

No way to get

- EOC – is @ The MAC Center @ Sheriff's office
  Several backup EOCs: Bend Fire,

Fiber connects to the EOCs. has a separate tower. No connection to OSP.

Captains mentioned physical improvements.

Jude Fulghum – Collects High crash locations
Project @ Bend Police will pull Bend base data

All police agencies share one record system.
Export data into Excel for Jude.
She merges data today
Police has GPS on all 29 police vehicles
Putting a GPS refer → Would like to map in the future

Action Items:	Responsibility:	Due Date:
Jude gets data once/month. Adding a field to show type of data		

Distribution: _____

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Date: _____ P/A no: _____ Page _____ of _____

Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion: GPS data includes lat/long today so Jude could get this data today.

Laverne Esseltyn – gives CAD data.

City of Bend police would like to have video incident + congestion info.

Tim Boyson is the Bend PD IT/Radio Guy

→ Bend (Jude) will work w/ Bend PD to map crash locations.

Project: Automate the crash location database entry.

Bend Police + Fire: EV preemption
→ Needs vehicle code info.
Police is interested in Opticom

Only signals w/o Opticom are 6 downtown.
Don't know if they are the most

Action Items:	Responsibility:	Due Date:

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CONTACT REPORT

DKS Associates
Traffic • Transportation • Engineering

Date: 8/19/04 P/A no: _____ Page _____ of _____
Meeting/Phone by: CSM

Contact Name(s)/Affiliation: Jude Fulgalim, Tim Beuschein, Robin Lewis → COB
Ken Gould

Subject: Bend ITS Phone no: _____

Discussion:

Tim → Incident Response
- Bend Police can't communicate w/ incident response
  - police on county-wide system
- Tim has proposed system to connect all local agencies on same radio

$3,100 per radio → Motorola

Robin → will we show funding sources?

Dispatchers are all at 911 center
- City police coordinated MOTs
- two-way communication

Robin → ODOT does all operation/maintenance
→ Bend Police does all incident response → Community Service Patrol
- set up detours
- would set up VMS signs if they had them

→ she handles developer review
- operation complaints
  - heavy delays, collision problems
- forward signal calls to ODOT → Dave Forster

Action Items:	Responsibility:	Due Date:

Distribution: _____

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DKS Associates
Traffic • Transportation • Engineering

Date: _____ P/A no: _____ Page _____ of _____
Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion:

- Development Review does concurrency
  - running out of widening to do
  - need operation improvement option
    - could be funded if corridor plans identified

- ODOT does some coordination
  - want more video detection
    - traffic + autoscope don't talk to each other

Tim → implementing PDA devices for mobility → motorcycles can we then
- GPS/AVL capability
→ fixed cameras might be used + sent to vehicles

→ looking at all wireless communication
- looking for council backing for general funding
- testing to be done in fall

- COB IT + Police only involved agencies so far
  - homeland security seed money funding

- need more bandwidth to do live video feeds

- would share information w/ all agencies

→ security for some info w/ in city
→ share other data w/ public → internet

Action Items:	Responsibility:	Due Date:

Distribution: _____

CONTACT REPORT

DKS Associates
Traffic • Transportation • Engineering

Date: _____ P/A no: _____ Page ____ of ____

Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion:

Tim → Fiber infrastructure
- franchise agreement w/ Cable Company
- 18 drops
  - Public Works
  - Police
  - Fire
  - City Hall
  } connections
- interconnected w/ County, School
- COIC involved
- local ISP is Oregon Trail

- not too many drops left → County by their own

- Cable company could share conduit

→ P.D. would like access to congestion/incident detection
- know how many officers to send out
- tell them where to stage

→ C+D system is developed by High Tech out of CA
- should be able to handle video/mapping
  ↖ MapInfo, not ArcView

Action Items:	Responsibility:	Due Date:

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Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion:

- already have radios in USFS rigs / public work rigs
  - different channels

- 10 radio sites cover County
  - most sites are County owned, some are state
  - should be able to bring in more equipment w/ interjurisdictional agreements

- P.D. has documented emergency evacuation
  - project GEO → County developed
    - flood/fire routes
    - shelter location
    - EOC setting roles/responsibilities

- Jude pulls all crash data together

- All police vehicles have GPS

- in future → ~~add~~ record lat/long for crashes
  → then Jude can map it

→ Tim willing to set up trial

Tim → interested in using opticom for police

Robin → opticom at all signals except 6 downtown
→ not sure what system / if programable
→ need controller upgrade

Action Items:	Responsibility:	Due Date:

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DKS Associates
Traffic • Transportation • Engineering

Date: _____ P/A no: _____ Page _____ of _____
Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion:

Ken Gould → Project Manager for capital improvements

Planned Projects
- 27th Empire to Baker ✓ extension to empire
  - widening / interconnect
- Reed Market widening project
  - 97th/Parkway to 27th
  - City facility

- City will try to do interconnect
  - list conduit size needs
  - bend restrictions
  - JB sizes

- over next 10 yrs. Bend will take over some of the signals

- City could get more out of existing signals w/ phasing/interconnect

- Downtown 6 signals
  - $50,000 to study → coordinate? interconnect? fixed time?
  - $900,000 to build
- Robin has map of conduit locations conduit?

Action Items: Responsibility: Due Date:

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Date: _____ P/A no: _____ Page _____ of _____
Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion:

- West side intersections
  - roundabouts are capacity issue
    - fire dept. concern
    - queues commonly form
    - TSP identifies going to 2-lane

- Need operations center
  - City Hall w/ downtown signals?
  - locate with P.D. operations center?

- ≈ 30 signals today
  30-60 by 2020

- Need to know what software/controllers would be needed

- 3rd St. might be option for incident mgmt.
  - 27th is issue w/ optic com calls because of Hospital

- Downtown Parking
  - need detection for occupancy in garage, route to other entrances

- School Flashers
  - might not have them in future
  - if have them, need comm. & control

Action Items:	Responsibility:	Due Date:

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DKS Associates
Traffic • Transportation • Engineering

Date: _____ P/A no: _____ Page ____ of ____

Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion:

Jude → GPS reference station
- will be mounted on top of City Hall
- used by surveyors for correction
- up next month
- registered w/ NGS
- cell phone technology
- County is also doing Stations
- share w/ City info
- radio based

→ City does not have central GIS clearinghouse
- need coordinator to share + QA/QC

Robin → loop data
→ ADT
→ Date
→ Avg Speed

- need ability to process, analyze, map data
- detail for agency use
- Summary for public use

Jude - Publish top 20 collision locations → #
- ODOT data

Action Items:	Responsibility:	Due Date:

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DKS Associates
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Date: _____ P/A no: _____ Page _____ of _____

Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion:

Robin winter problems
- rollover on Century Drive
- ice on Vat Road

- More weather stations
  - surface temperature
  - watering based on weather

- Opticom
  → transit priority

- 2 bridge projects
  - Newport Bridge
  - Mt. Washington Bridge

Action Items:	Responsibility:	Due Date:

Distribution: _____

CONTACT REPORT

DKS Associates
Traffic • Transportation • Engineering

Date: 8/19/04 P/A no: _____ Page _____ of _____
(Meeting)/Phone by: JMP

Contact Name(s)/Affiliation:
Deschutes County.

Subject: _____ Phone no: _____

Discussion:

Deschutes County has 2 traffic signals
1

New one will have remote access via cellphone.

Would like to have weather data @ Sunriver Business Park. Winter maintenance visual of what.

Cline Falls Hwy @ Eagle Crest.
↳ 1st road to freeze up.

Everything is

Cascade Lakes Hwy.

Looking at GPS for Maintenance vehicles
VHF radio today.
Putting another 800 MHz repeater site out east.

Use GPS to track where Things have been
Locate potholes.
branch down, etc.
Signs
Automatic download to generate work order

Respond to incidents when they ask them to.

Action Items: Responsibility: Due Date:

Fleet maintenance mgmt system.
Hazard (Clear Zone) mgmt system - Regularly inventory + prioritize work in the clear zone

Distribution: _____

CONTACT REPORT

DKS Associates
Traffic • Transportation • Engineering

Date: _____ P/A no: _____ Page ____ of ____
Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion:

Road Contracts / Maint Contracts
- ROW information.

- Have had ATRs in the past. Do cycle of ATRs.
- 911 Database (Rate typ 15 int. based on SPIS/high crash volumes).
- Jude gives the County the crash data

→ Do TCPs for fairgrounds!
Coordinate with
Committed to doing VMS at the fairgrounds
And used for the Airport.
On 97 NB message sign for events

Emergency events. - Traffic SB could divert @ the south side of Redmond. prior to the Big R at the U.
Prior to Wells St.

97 Bypass planned

La Pine to Bend prone to shut down due to fire. No alternate route.
NB VMS ~~12~~ of La Pine to give warning

Action Items: Responsibility: Due Date:

EB prior to summit of Santiam Pass - existing @ Detroit.

Distribution: _____

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Date: _____ P/A no: _____ Page _____ of _____
Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion:

- Need to divert before the problem area.

Portable VMS could be used for to supplement ODOT's message signs during fires.

97 cones into County Highway Advisory Radio on the entrances to Deschutes County

Evacuation Route – Defined roles + responsibilities

ODOT + County Roads + OSP shut off major + secondary routes

Can't prepare evac plan b/c

Red Cross is involved + will find a shelter during an event.

County will get new facility in La Pine. Sheriff's has vehicle maintenance

MDTs in vehicles for County Sheriff

Use the TRP1000 black box to convert signals portable on a trailer with its own generator

Action Items: Responsibility: Due Date:

EOC – 911/Sheriff/County EOC is the same bldg. Hard to get an incident to have to activate an EOC.

More need for a mobile EOC. Multi-agency coordination center is what they would need.

Distribution: _____

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Date: _____ P/A no: _____ Page _____ of _____

Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion:

Fire is the biggest threat.

Portable advisory radios Lot of isolated subdivisions
– Portable form is the best

La Pine is abut 15,000 people.

- Lot of RR crossings in Bend/Redmond area
- Train crossing would be nice to knows if responding RR will shut down in 5 miles to an incident

Consider a larger regional event. If there is an event in Portland that it gets closes I-5

Communications: Consider a beefed up comm system so aid can get to the right broad.

Action Items: | Responsibility: | Due Date:

Distribution:

CONTACT REPORT

DKS Associates
Traffic • Transportation • Engineering

Date: 8/19/04 P/A no: _____ Page ____ of ____
Meeting/Phone by: CSM

Contact Name(s)/Affiliation: Deschutes County
Don, George, Gary, Roger

Subject: _____ Phone no: _____

Discussion:

Gary - 1 signal today → one funded to construct
-cell phone activitated

Roger ~~[illegible]~~ - GPS planned for plows
-keep tracks of where trucks were

- Incidents
- respond when sheriff requests it

Gary - Have a clear zone management system
-software prioritizes needs

- County has no ATR's
-sets out ~~[illegible]~~ tubes when needed (1-4 yr cycles)

- County has high crash locations
-considers volume
-COIB does work

- County does traffic control plans for fairground for all events
-will install perm. VMS signs
-also used by airport
> on 97 NB
maybe SB

Action Items: Responsibility: Due Date:

Distribution:

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Traffic • Transportation • Engineering

Date: _____ P/A no: _____ Page _____ of _____

Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion:

Don → VMS sign could be useful for traveler information
- SB in Redmond prior to Airport Rd
- chance to detour for winter/fire

→ have NB VMS in Lapine
→ crash ahead
→ road closed ahead

→ could use portable VMS for fires

→ have highway advisory radio signs on 97 at County entrance location → portable would be good to

→ no evacuation specific plans
- roles defined

Gary - will be getting a new facility for maintenance in LaPine

Don - County has black box for communication
- can input/output any comm. type

- County has EOC → not used often, used as Multi Agency Coordination center
- in building w/ FBI, 911
- works better to be mobile in County

Action Items: Responsibility: Due Date:

Distribution: _____

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Traffic • Transportation • Engineering

Date: _____ P/A no: _____ Page _____ of _____

Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion:

- Rail crossings are issue
  - can block emergency response or evacuation
  - railroads will shut down if forest fire

- Big Picture → Major [redacted] Disaster in Willamette Valley
  - have communication set up

Action Items:	Responsibility:	Due Date:

Distribution: _____

CONTACT REPORT

DKS Associates
Traffic • Transportation • Engineering

Date: 9/19/04 P/A no: _____ Page _____ of _____
Meeting/Phone by: _____

Contact Name(s)/Affiliation: Carolyn Bonner

Subject: _____ Phone no: _____

Discussion:

How does the plan continue?
Where does the money come from to continue the plan.

Challenge: No central clearinghouse for signal control
Who do you call
How do you know if complaint is taken care of.

Institutionalize the cooperation/coordination
Who else has a stake in the project.

GIS - Find a way to make the transportation GIS more standard. Have a central repository/ quality control of GIS.

MPO Boundary - City UGB plus. A little bigger than the reserve.

Have the ITS improvements be flexible. Almost choose the low tech over the high tech. If it requires more staff time, then may be not best.

Look at opportunities to expand franchise agreements with Bend Cable. Make the franchise agreement more uniform. Ask

Action Items: Responsibility: Due Date:

Need to educate the public, stakeholders, project managers.

Data is very important to MPO. What data is available that we are not already using?

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CONTACT REPORT

DKS Associates
Traffic • Transportation • Engineering

Date: _____ P/A no: _____ Page ____ of ____
Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion: Example: ODOT is doing a lot of new counts for the model, but ODOT local is already collecting a lot of count data automatically.

We don't know if they were ADTs or TMCs.

Freight mobility is going to be an issue over the next few years. Hwy 20 does not connect to the by pass today.

MPO data: Weigh stations do O-D survey for freight.

Strength: Cable TV Channel is a huge benefit.

Deliver real-time info via multiple Advertise Channel 4B

Issues: Level of congestion
Lack of alternate routes

27th Avenue is a key route

Funding: SDCs

Get decisionmakers involved in the process + to understand ITS.

Action Items: Congestion is going to be a problem. Responsibility: Due Date:

Projected growth: 63,000 today 2004 — 106,000 2020

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Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion:

How do we deal with congestion: Widen
Operational Improvement

Before we widen – Look @ these five strategies.

See ITS as a huge component of TSM package.
ITS alternative needs to be addressed.
- Today ITS alternative is considered low on the list.

Need a separate systems management category.

– Arterial congestion is the biggest problem.

Questionnaire!

Action Items:	Responsibility:	Due Date:

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Date: 9/19/04 P/A no: _____ Page _____ of _____
Meeting/Phone by: _____

Contact Name(s)/Affiliation: Carolyn Bonner

Subject: _____ Phone no: _____

Discussion:

How does the plan continue?
Where does the money come from to continue the plan.

Challenge: No central clearinghouse for signal control
Who do you call
How do you know if complaint is taken care of.

Institutionalize the cooperation/coordination
Who else has a stake in the project.

GIS - Find a way to make the transportation GIS more standard. Have a central repository/ quality control of GIS.

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Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

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Contact Name(s)/Affiliation: _____

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Questionnaire!

Action Items:	Responsibility:	Due Date:

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Date: 8/19/04 P/A no: _____ Page _____ of _____
Meeting/Phone by: CSM

Contact Name(s)/Affiliation: Carolyn Bonner, MPO

Subject: Bend ITS Phone no: _____

Discussion:

- Who will carry plan forward?
  - MPO is option
    - finding funding → projects & coordination
    - having meetings
  - expertise is w/ State & City

Weakness → no clearinghouse for signal
→ who to call for signal malfunctions?
→ get feedback

Need to institutionalize co-op/coordination
- managing funds / stakeholders

GIS → coordinate clearinghouse
→ County is possibly set up to handle it

Need flexible technology
- focus on spending $ wisely → low-tech might work better

Telecommunication → franchise agreement w/ Bend Cable
→ give back to community
→ ask or they won't give

Action Items: Responsibility: Due Date:

Distribution:

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Date: _____ P/A no: _____ Page 2 of ____

Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion:

Political level → educate key staff, decision

Data → what is out there, how do we use it
→ count collection
→ model calibration

→ freight data → O/D, volume, classification
→ transit data

Utilize Ch. 48 → lot of local use

→ get data out to public

- Look at lack of alternative routes
  - congestion in future
    - east side growth → 27th

- Important to stress keeping ITJ in all projects

- How to educate on future congestion

- Coordinate ITJ plan + RTP
  - specific projects into RTP
  - include ITJ scenario?

Action Items:	Responsibility:	Due Date:

Distribution: _____

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Date: 8/20/04 P/A no: _____ Page _____ of _____
(Meeting)/Phone by: JMP/CSM

Contact Name(s)/Affiliation: Sgt Eric Brown

Subject: _____ Phone no: _____

Discussion:

Radio system needs upgrading
OSP not able to communicate with the Sheriff & City police b/c radio channels are

Dispatch in

- No MDTs in State Police
- OSP dispatched out of Salem
- Staffing issues

Bend office 20 east to Hampton
97 to Lapine MP 172
N. to High Bridge MP 111
W over Santiam
Bachelor road Century Drive
- Also go to Madras / Prineville if necessary or where the needs are.

Support work zones where requested.
- Nice to have better comm for about where work zones are going to be.
- Need to know when work zone has started. A call to OSP would be beneficial

False feeling about work zones. Don't have signs up if not in effect.

Action Items:	Responsibility:	Due Date:

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Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion:

Maintenance of Vehicles – No specific location for maintenance
Shuttle the vehicles everywhere.

Lower speed in work zones would be beneficial,

Traffic crashes – Wintertime rollovers on Century Drive
– Lava Butte.
– Sunriver north ~~to~~ Lava Butte

MP 11+12
10 – 12
"S" Curves

– Sunriver back route intersection (some overshoot)

Century Drive – How do you change driver attitude

– Santiam Pass → If OSP staffing Santiam & Century drive, then there ~~are~~ is no one left for 97 South.

– Parkway covered by City police.
Quickest response to incidents would be best.
Message boards in advance of Parkway to take an alternate route.

Action Items: Responsibility: Due Date:

Incidents on Century – Hear from Salem dispatch
ODOT
911 dispatch

Distribution: _____

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Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion:

ODOT Maintenance crews respond to incidents

Dangerous working incidents b/c other vehicles slide on the ice into the responders.

Incident Responders are a huge benefit help to clear incidents quicker. Having ODOT incident responders to respond to incidents with trailer + lights, etc is great

Tourist volume - Winter time sports people
- Summer - Fishing, Golf out door rec.

Such extreme growth it is tough to keep up with.

Problem: 911 gets call - Goes to call taker - Goes to Salem dispatch - Then ~~to~~ police in field.
(Takes time to deliver the call).

Camera locations: Lava Butte - Current camera misses the problem area.
- Need camera further down hill (to north).

Action Items:	Responsibility:	Due Date:
• OSP does traffic control on the hwy for the evacuation - All roles have been described		

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Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion:

Issues: No room for pull outs on Parkway to deal w/ incidents.
Pull outs on Century Dr.

We know traffic is not going to decrease. We need to have vision now to understand how we are going to deal with this.

Action Items:	Responsibility:	Due Date:

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Traffic • Transportation • Engineering

Date: 8/20/04 P/A no: _____ Page _____ of _____
Meeting/Phone by: CSM

Contact Name(s)/Affiliation: Sgt. Eric Braun

Subject: _____ Phone no: _____

Discussion:

Communication Needs

- need state system → police/fire/etc.
- on 200 Mhz → City/County on 800 Mhz
- no MDT's in cars
- dispatch in Salem understaffed

- Bend office
  - 26 east to Hampton
  - 97 S. to Gilchrist
  - to Mt. Bachelor
  - 22 west over Santiam
  - 97 N. to County line

- in past have dispatched w/ 911

- annual budget for some work zones
  - need communication w/ ODOT for all work zones
  - never know when projects start
  - need info up-front
  - etc.
- Work zone info
  - real time work zone activity

- Layoffs have hurt staffing
-

Action Items: Responsibility: Due Date:

Distribution:

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Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion:

- Variable speed limit sign would help work zones
  - ODOT control speeds
  - might be good for winter

- Collision problems
  - Century Drive in winter
    MP. 10-12
    MP 18 (Ice Cave Rd) not so bad
  - 97 on Lava Butte
  - Santiam Pass

- talk to sheriff's office on phone or 800 mhz
  - they often take 97S

- Parkway
  - crashes quickly cause delay
    - need to clear faster
    - messages about incident ahead

- During winter → dispatched by Salem, ODOT, 9/1
  - ODOT crews respond to incidents on Century Dr.
    - quick response is great for crashes
      - Dave Moyer in Bend

Action Items:	Responsibility:	Due Date:

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Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion:

- crash reconstruction has helped remove incidents (fatals) quicker
  - ODOT crews have tower lights on trailers

- Tourism
  - provide info at hotels
  - hard to keep up w/ changing demographics

- Need Real-time dispatch
  - not 911 to Salem calltaker to dispatch to officer
    - 5-10 minutes delay

- Video is a great tool
  - other good locations out there
    - known problem areas
      - another on lava butte
        - to the north / downhill

- Evacuation
  - handle traffic control on highway
  - having plans in place helped coordinate efforts

- Have cameras in a lot of the vehicles
  - helps keep officers out of court after arrests

Action Items: Responsibility: Due Date:

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Date: _____ P/A no: _____ Page _____ of _____

Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion:

- New projects
- OSP can provide feedback on design

Action Items:	Responsibility:	Due Date:

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Date: 9/20/04 P/A no: _____ Page _____ of _____
Meeting (Phone) by: JMP

Contact Name(s)/Affiliation: Dan Jensen, Bob Bussberger, Wendy, Greg, Steve

Subject: _____ Phone no: _____

Discussion: Deputy Chief Operations – Dan Jensen
- Looking for improving impedance areas. Can we get Federal funding to apply to improved emergency response plans.
- Evacuation Route signage to turn off/turn on
→ Use the sign for evacuation route

Evacuation Areas: People need good routing info. Oakland Hills.
- Need to give people good info about the route out.

Hard to do pre-planned routes. Don't know where it will start, where it will go to.

Bussberger would rather see a partnership where everyone buys the same product + protocol.

Telecommunications Subcommittee meets in Sept.

Evacuation Routes: Large fires are several day events
Fire is quickly moving out
People are moving out.
- Look long term in the hazard areas. Hazard areas have been identified

Action Items:	Responsibility:	Due Date:
Finishing Bend Fire protection plan – will identify areas for mitigation exposure areas. Deschutes Woods has 6,000 people		

West Bend is worst
South is 2nd
East is 3rd

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Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion:

ODOT can close routes & direct traffic

Plan will identify what community can do to protect itself from long range fires
Will prioritize areas. Plan focuses on educating public

- Solar would be useful especially
A lot of DMS can mount on bus shelters on a route.

When responding to incidents: Big Thing is getting people out.

-

NW Crossing: Narrow roads to this subdivision to get people out.

- Will change

Evacuate people to Red Cross Shelters / High Schools grade schools, etc for evac shelters
Red Cross tells where these shelters are

Entire West side of Bend is a hazard area.

Action Items: Responsibility: Due Date:

Designated emergency response routes?
Yes & No. Designed a fire route system to place the stations
Have a 7 to 10 second increase in response times @ roundabouts. Responders are always trying to find the fastest route.

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Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion: Emergency Response Times
Parkway < North Station beats west station b/c of Parkway in response times.
No fixed response routes

Roundabouts – Problem is the the longer path of people in entry & people pull into roundabout & stop. Engines have a tight R of to go over the mountable curb.
Considering preventing others from entering the int. with a blank-out sign.

- Placed stations based on fire routing program.
- Need a solution for fire response through roundabouts & augment

- We need to upgrade the receivers b/c only about 20% of the discriminators.
- Would like to have Opticom. downtown

Moving to MDTs in their vehicles
Pursuing a grant for MDTs (Experimenting w/ 2 MDTs)
Plan to do GPS/AVL on all vehicles

Have 800 MHz in command rigs, but primary dispatch is VHF, but all fire response vehicles have VHF

Action Items: | Responsibility: | Due Date:

HiTech is CAD vendor @ 911.

Tibbetts bought 90 degrees their fire records system is XML.

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Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion: County is going look at a police records system soon.

Tibburon has a very nice CAD system.

Over next 18-24 months

Deschutes County system was written internally. They may likely

We could tie the fire response into XML

→ County system keeps track of recording system. There is no true interface. Un user friendly system.

Interoperability btwn a regional public safety system. Could become a 3-County wide system.

- Have capability today for Reverse 911 to call They do

Working more + more with ODOT every day. Respond to almost all MVAs.
Have mutual aid agreements w/ ODOT
ODOT has 3 people for incident response.

ODOT responds with Fire.

Action Items:	Responsibility:	Due Date:

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Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion:

City has GigE to all but two of remote sites

Regional wireless system. Bought wireless gear
Will place equip on Aubrey Butte
Could conceivably feed 80% of City w/ 2.4 or 5.8
w/ 802.3 level. Layer 2 → Ultimately
Will just be a private - public network. So no
general public will be on the network.

Could transfer remote sites over the network.
Not going to be a highly utilized ~~site~~ network.
Not going to be very robust.

Could tweak

All fire stations have fiber to them
Have a colocation w/ Bend cable
This telecomm group has dark fibers that they
manage + light.

Wherever County is we have an access to

Negotiated 18 sites. Currently, they are
using 10 sites.

Action Items:	Responsibility:	Due Date:
Consider bringing Bend Cable to the table + negotiating for more access points.		
They want to keep City happy		
Next renegotiation is 2012		

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Discussion:

Could use grant funding to help expand the wireless b/c they only have about 10% coverage.

Don could pull up a GIS map to his vehicle

Wireless is 11MBps. Will train @ 2MBps.
They have streamed at 384 + seen pretty good video.

Bottom line is they have a robust
City sites
ODOT could be a site.

- Bend does a star @ Bend Cable.
  ODOT could just patch @ Bend cable +
- 2 more fiber @ every fire station. So any fire station could be used for this fiber. Or as our hubs.

- Doing City + County services on the network.
- Part of what the City needs to do for business

Signal operations - Frustrating to go from one redlight to the next a block away.

Action Items: Responsibility: Due Date:

Dave Foster would no all the signal coordination

- Communications Plan - Meet w/ Bob Bussberger, Adrian + myself to discuss the communication system
  - Coord w/ Robin.

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Contact Name(s)/Affiliation: _____

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Discussion:

- Robin needs to show the trends in counts & could show trend of where we are going.

System detector data - volume, speed, occupancy, by int, by movement,

---

Transit - measure on ballot in Nov for a transit district.
This group will build their own infrastructure

Bend Dial-a-ride is the largest fleet in the County & supports small

Regional Plan

(1) Trapeze 4 Pass System - purchased by City

Supports these:
- GPS/AVL
- IVR - Interactive Voice Response - Similar to reverse 911
- MDT
- Internet schedules
- Real-time bus arrivals.

Could support incoming calls

(2) Will do the Medicaid call center for eastern Oregon.
- Don't provide rides, but do the calls.

Central Oregon Intergov. Council

Action Items:	Responsibility:	Due Date:

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Contact Name(s)/Affiliation: _____

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Discussion:

(3) Do scheduling for small providers. They will tie into their system.

- If Bend transit district, IT does not have the resources to support what Wanda needs to do with these call districts.

- How do you coord urban & rural transit systems together - MediCAID is piece #1. So they could become like 9-1-1

- Severe weather, accidat back-ups, congestion cause Bend dial-a-ride delays.

- Transit could be used with Have an independent system w/ phones, then City IT has set up separate networks + phone so

Would love to have next bus technology
May do a grant to do a portable GPS from Nextel is promoting this for police & fire.
Will put together a test of this system.

MDT ≈ $4,000 each.

Action Items: Responsibility: Due Date:

- $12/mo/unit for Nextel service.
$144/mo * 25 veh/yr.

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Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion: Trapeze – Runs a demand response system that maps & schedules pick ups.
10,000 trips/mo.

– Wanda has 7 bus routes identified but transit district may change all this.

Goals for transit:
- GPS/AVL
- TSP
- Real-time bus arrivals

Year 4 of transit dist. format would support the full 7 routes.

Maint. Mngmt System – keeps track of prev. maint, replacement parts
Due for service comes up.

Schedule is based on fuel consumption b/c operators enter the vehicle code

ODOT is trying to combine Oregon Trail + Medi Caid cards

Action Items: _____ Responsibility: _____ Due Date: _____

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Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion: Desired projects by Wanda

1. Security cameras on coaches
2. GPS/AVL
3. Radios ← ~~Comm~~
4. IVR ← MDTs
5. Central dispatch
6. Trip Check/web base — to show transit arrival info. ↓ Have a dial up ride via the Internet
7. Disaster response
8. Road condition reporting ↓ at dispatch

Steve Jorgensen has maps of the future roadway plans

Action Items: | Responsibility: | Due Date:

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Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion:

City problem areas: Cooley SB on Hwy 97 has rear end accidents b/c of first signal into town.
27th corridor is going to explode.

Fire does not use Reed Market Rd b/c of the rail crossing.

Update to the SDC: Include ITS projects next time around 5 years from now.
SDCs are used for capacity improvements.

Bend is installing a permanent count station on Portland using Kargor - TrafiCon.

Action Items:	Responsibility:	Due Date:

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Date: 8/20/04 P/A no: _____ Page _____ of _____

Meeting/Phone by: CSM

Contact Name(s)/Affiliation: Don Jensen - Deputy Chief Operations, Steve Meyer, IT Manager, Bob Bussabarger, IT, Wanda Gray, Robin Lewis

Subject: Bend ITS - COB#2 Phone no: _____

Discussion:

Don → always looking to identify infrastructure issues
→ look for grant opportunities w/ safety → evacuation

→ need electictronic signs / cameras to control routes, adjust dynamically

Bob → who controls operations?
- would prefer partnership of all agencies to have same communication

→ Telecommunication conference in September

Don → difficult to use mobile UNs during evacuation
- time sensitive, hard to move in
→ need to plan around hazard area, have fixed sign that can be controlled
→ developing Plan showing hazard areas, setting up plans & policies w/in Bend → education plan for homeowners

Bob → use solar power for signs

Wanda → put sign @ bus stop → can be used for many events + daily bus info

Action Items: Responsibility: Due Date:

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Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion:

Don → issues in subdivision
- narrow street, # trees make fires a hazard

→ tiered system for shelter location
- Red Cross
  - use schools, churches, etc.
  - based on event location

→ Don can give us hazard map

→ Response routes
- arterial/collector
- problems w/ roundabouts 7-10 sec delay each
  - slow for turns
  - people pull over & stop in roundabout

→ Pre-emption
- all 3M in Bend
- allow priority control by code

- downtown signals don't have it, might want it, not as much benefit due to ped phase

→ Moving to MDT's in vehicles
→ AVL

Action Items:

	Responsibility:	Due Date:
→ VHF is primary dispatch		
→ have 800 mhz in vehicle		

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Discussion:

- Software
  - Tiburon bought 90°
    - → going to XML standard

- County system
  - have our CAD interface, developed in house
  - Moving to a regional interface to let everyone communicate

Bob → City has fiber-backbone
- working on regional wireless plan, went belly-up
  - bought equipment
  - could serve 80% of city on 2.4, 5.8 signal
  - not very robust (redundant), but could be used for testing

need funding to finish off
↑
need $ to make it useful for safety

→ almost all fire stations have fiber feed

- Bend Cable franchise agreement
  - 18 drops, 10 in use
  - 2012 re-negotiate

Action Items: | Responsibility: | Due Date:

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Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion:

→ Wireless system can stream video 2 MB/sec

- fiber all over Bend ⇒ route through Bend Cable
  - ODOT can patch in

- 2 more fiber pair at each fire station
  - could be used for hubs

- Central signal server could be good idea
  - store data / access signals
  - coordinate w/ ODOT

Steve – manages computer system

Wanda – Plan for transit system
- measure in Nov. to form ~~Transportation~~ Transit District
  - no longer under City
  - build their own infrastructure
- COB ride-a-ride is largest provider in area
  - software ability → AVL, IVR
    - modules can be plugged in
- COIC broker to provide regional Medicaid service → multi-county
- COB to provide scheduling ability for outlying area

→ only funded for ITS measure passed

Action Items:	Responsibility:	Due Date:
Set up meeting w/ Bob/Steve/Adrian for comm. infrastructure		

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Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion:

- look at how to coordinate urban + rural transportation
  - would have central operation center
- congestion / weather cause problem
- might be used in future for evacuation help
  - use signal priority for buses
- currently on Sheriff radio system

Robin → would love to have NextBus technology

Wanda → looking at Nextel grant for cellular device for each driver, not vehicle

$12/unit/month → equipment + service

→ currently all rides are dialed in → Trapeze software does dynamic routes

→ if measure passes
- District takes control July 1, 2005
- still use City support for 3 yrs.

Action Items:	Responsibility:	Due Date:

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Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion:

- AS400 system track maintenance
  - manual entry of data
    - fuel consumption downloaded to schedule service
- Trapeize has capability for automated fare payment
- Put security cameras on buses
- Web based trip check
  - nextbus
- field condition data at central dispatch
- MDTs in buses
  - or Nextel
- Steve Torgerson → Deschutes Co. Transit Plan

Action Items:	Responsibility:	Due Date:

Distribution: _____

CONTACT REPORT

DKS Associates
Traffic • Transportation • Engineering

Date: 8/20/04 P/A no: _____ Page _____ of _____
Meeting/Phone by: CSM

Contact Name(s)/Affiliation: Chris Doty, Redmond

Subject: Bend ITS Phone no: _____

Discussion:

Signals - ODOT operates all → City owns local street signals
- phone connections to all

Cameras → on 97 (5th/6th) at Highland
→ ODOT tripcheck info only

Volumes → no ATRs
→ PM Peak counts collected commonly
→ mainly PM Peak problem

→ mainly highway congestion

Project
- '97 Reroute start in '05, finish '08 ← might have ATR
- Highland/Glacier couplet ← design @ 45/5T
  - interconnect signals

Systems → Pavement Management system

ITS potential
- Construction information
- work zone safety
- traffic calming?

→ short term need
- issues w/ barriers for through travel - railroad, 97, dry canyon, canal
- would like VMS signs

- High % of residents work in Bend
- employment east of 97, residential west + commercial core

Action Items:	Responsibility:	Due Date:
*NTM in Redmond		

Distribution: _____

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Date: _____ P/A no: _____ Page _____ of _____

Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion:

- no evacuation issues

Long terms

- Redmond will own lots of signals, ODOT still to operate/maintain

Joe Sadony → IT info

- GPS already on street sweepers for tracking

- Weather station could be useful
  - 2900 ft elevation
  - not as much snow as Bend

Action Items: Responsibility: Due Date:

Distribution: _____

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Date: 8/20/04 P/A no: _____ Page _____ of _____
Meeting/Phone by: CSM

Contact Name(s)/Affiliation: Andrew Spreadborough, COIC

Subject: Bend ITS Phone no: _____

Discussion: Fiber
- 3 providers in Bend Area
  - Bend Cable
  - Quest
  - Quantum Telecommunications

COIC → Economic Development → telecommunication
- facilitate developing regional task force to bring infrastructure
  → staffing
  → funding

Quest is phone provider for region
- Senate Bill 622 → forced to provide comm.
- owns fiberoptics
- finished '02

COIC → being phased out → now don't do much in Bend/Redmond

→ haven't done much w/ franchise agreements

Quantum → tie into state fiber backbone
→ putting fiber into Redmond/Bend

Try Frank Miller → High Desert Education Service District

Action Items:	Responsibility:	Due Date:

Distribution: _____

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Date: 8/20/04 P/A no: _____ Page _____ of _____
Meeting/Phone by: JMP

Contact Name(s)/Affiliation: Chris Doty, Redmond

Subject: _____ Phone no: _____

Discussion:

Hwy 97 = ODOT, owned + maintained
ODOT does maint + operations

Have phase lines

Growth rate @ 7 to 8 percent in the next few years

Video @ 97 + 5th/6th + Highland
posted on ODOT web site

Counts - Don't have system detectors

Generally don't do ADT counts

Peak hour congestion is the biggest problem - Mostly PM peak.
Mostly Hwy related. Through traffic is the critical move.

97/Veterans Way is problem
Highland/126/97 is problem.

97 Reroute - Phase 1 starts Winter/Spring - 05
'07-08
Highland-Glacier couplet project is the CTA

Action Items: ↳ Will become a one way couplet between reroute + 15th. 5 lanes from 15th to Rim Rock — Responsibility: — Due Date:

Highland-Glacier - ODOT is designing interconnect
We think
All new ODOT signals

Distribution:

CONTACT REPORT

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Date: _____ P/A no: _____ Page ____ of ____
Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion:

97 Reroute - Does this include count stations? Ask ODOT

South end of reroute

Need a true bypass some day
Reroute design speed is 45 to 55

Struggle to keep up with infrastructure improvements w/ growth

Maintenance - pavement mngmt system

- Town will be under construction for the next 5 years. Construction related information will be very critical.

- Have traffic calming issues
  N. Canyon Dr is a big problem area b/c it bypasses Hwy 97
  Collector on TSP but local street design
- Applications for traffic calming / neighborhood speed issues

- Most people live in Redmond, work in Bend

Action Items:

	Responsibility:	Due Date:
Residential Zoning on west of 97		
Industrial on east of 97		
+ Commercial core		

Distribution: _____

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Date: _____ P/A no: _____ Page _____ of _____
Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion: Redmond Fire district has some of the same issues

Long term most signals will be ODOT

Maintenance Vehicles –
Redmond has GPS on street sweepers.
Would like the project to log
– Wintertime issues + needs
↳ Staff 24-hour snow plows in the Winter

Redmond has some wintertime issues.

#1 Construction info.

VMS: for construction zones rent today

Barriers to east-west travel:
RR tracks.
Dry canyon
Hwy 97.

Constantly having to reroute.

• County Fairgrounds could use some support.
Today, use officers to control intersections

Action Items:	Responsibility:	Due Date:
Could we combine the Airport + County?		
– Construction closure		
– Weather issues		
– Construction Info @ the Airport.		

Distribution: _____

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Date: _____ P/A no: _____ Page _____ of _____
Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion:

COIC - Regional Govt
Work force Devel
Economic Devel
Telecomm Develop.

No Internet services. So jurisdictions got together to facilitate development.
COIC staffs & funds these activities

- Built a redundant path across the Cascades
Qwest did all the deployment & COIC directed this
Deployments completed a couple of years ago.

- Working in smaller communities outside of Bend/Redmond core

Quantum Communications - nonprofit telecommunications
Qwest — local partner for NOANet.
Bend Cable

Frank Miller - High Desert ESD (from Oregon Trail Network)
↳ involved in police services

Action Items:	Responsibility:	Due Date:

Distribution: _____

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Date: 8/24/04 P/A no: P04130-002 Page ____ of ____
Meeting/Phone by: CSM

Contact Name(s)/Affiliation: Laverne Esyltyn - 911

Subject: Bend ITS Phone no: ____

Discussion:

- Road conditions/cameras at dispatch center would be useful
  - congestion on cameras would be useful
- Road detour/construction info would be useful
- working towards having mapping in 911 center
  - hiring GIS specialist
    - maintain files
    - provide real-time mapping to 911
- Incorporate mapping into CAD system
- ~~Are~~ If ODOT dispatch has setup → good to link to 911
- They forward road conditions call to State + County
- EOC is across the hall to 911
  → share information
- Moving to proximity dispatch → AVL data
  - 1 yr out to having mapping in place
- Have Hi-Tech CAD system → able to do mapping w/in software
  - no plan to change, but never know

Action Items:	Responsibility:	Due Date:
- County on own written system		
- Bend PD on new Tiburon system		
- phone system uses ArcView		
- CAD system uses MapInfo		

Distribution:

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Date: _____ P/A no: _____ Page _____ of _____

Meeting/Phone by: _____

Contact Name(s)/Affiliation: _____

Subject: _____ Phone no: _____

Discussion:

Primary function → recieve 911 calls
Secondary → dispatch

Area comm. network:
- they have accew to Bend Cable system

- They will attend 2nd workshop

- not likely to attend steering meetings

Action Items:	Responsibility:	Due Date:

Distribution: _____

CONTACT REPORT

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Date: _____ P/A no: _____ Page ____ of ____
Meeting/Phone by: _____

Contact Name(s): _____ Phone no: (___) _____
Affiliation: _____
Subject: _____

Discussion:

Call taker mapping today not dispatched system

X-Y gets fed into a database on the phone system. Phone system maps, this

Will they need a separate mapping. Somehow this info needs to get to the CAD system

Hi Tech maps w/ Map Info
Phone maps w/ ArcInfo

State OEM is funding & assisting w/ the

Primary

911 Center center has access to the Bend Network

Action Items: | Responsibility: | Due Date:

Distribution: ❑ ❑ ❑ ❑ ❑ ❑
Original to Project/Proposal File ❑ Check when done

CONTACT REPORT

DKS Associates
Traffic • Transportation • Engineering

Date: 8/24/04 P/A no: _____ Page ____ of ____
Meeting/Phone by: JMP/Chris

Contact Name(s): Laverne Esselstyn Phone no: (___)
Affiliation: 911 Center
Subject: _____

Discussion:

- Canvas available to dispatchers
- Congestion
- Upto date map of current & planned construction

Working w/ County GIS to map for the dispatchers
Goal: bring mapping to the dispatch consoles

Road closures based on flooding, etc. Have this input into GIS

Automatic mapping of construction/road closures

Calls for road condition information
Assist the operators for the in information

Have this info available at the EOC.

Planning proximity dispatch w/ AVL
Need mapping in place first, then get units equipped w/ GPS
Need sufficient comm to support

HiTech CAD system — Sit tight w/ this CAD for now

Action Items: No plans to change vendors — Responsibility: — Due Date:
Need to share data
Police on County written & maintained
Fire going to Tiberon new product

Distribution: ☐ ☐ ☐ ☐ ☐ ☐
Original to Project/Proposal File ☐ Check when done