



ROAD SAFETY – HOW IT AFFECTS OUR BUSINESS & COMMUNITIES

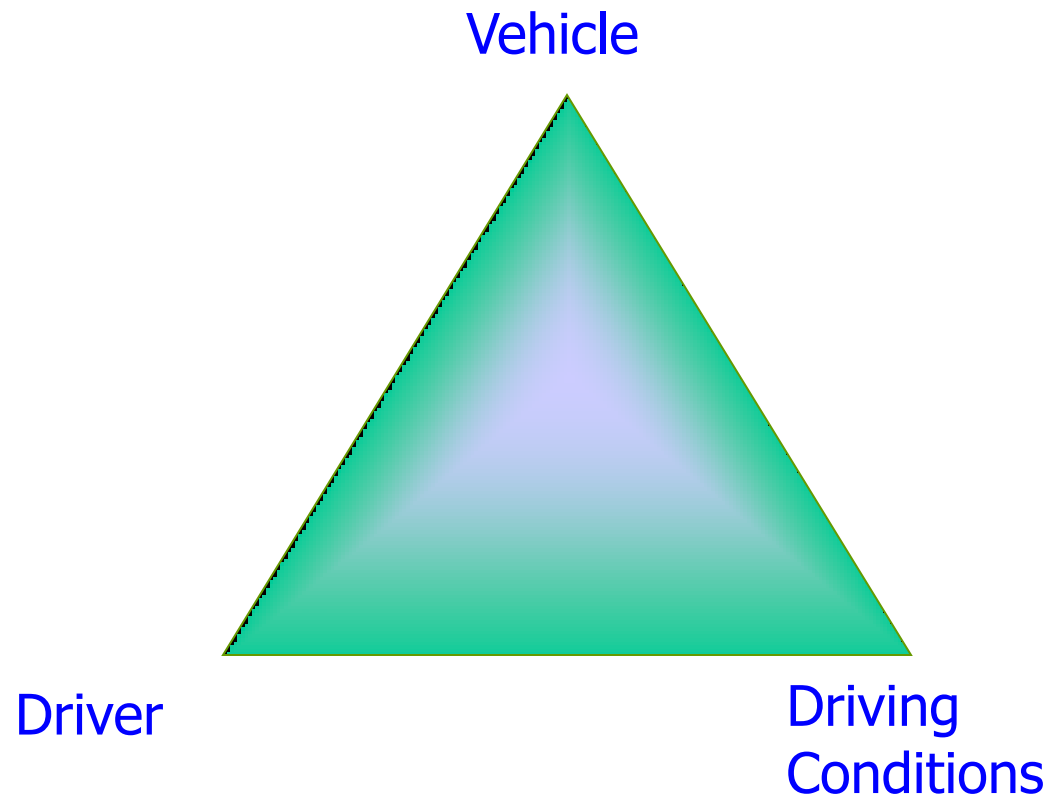
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BP Pakistan**

ROAD SAFETY



- **Road Accidents Triangle**





Road Accident Statistics

- **World wide: 1 million road fatalities / annum**
- **Pakistan: 6000 road fatalities / annum (18 daily)**

Items to share

- **Challenges to Road Safety**
- **BP Pakistan historical performance**
- **Issues & Steps Taken to improve on Road Safety**

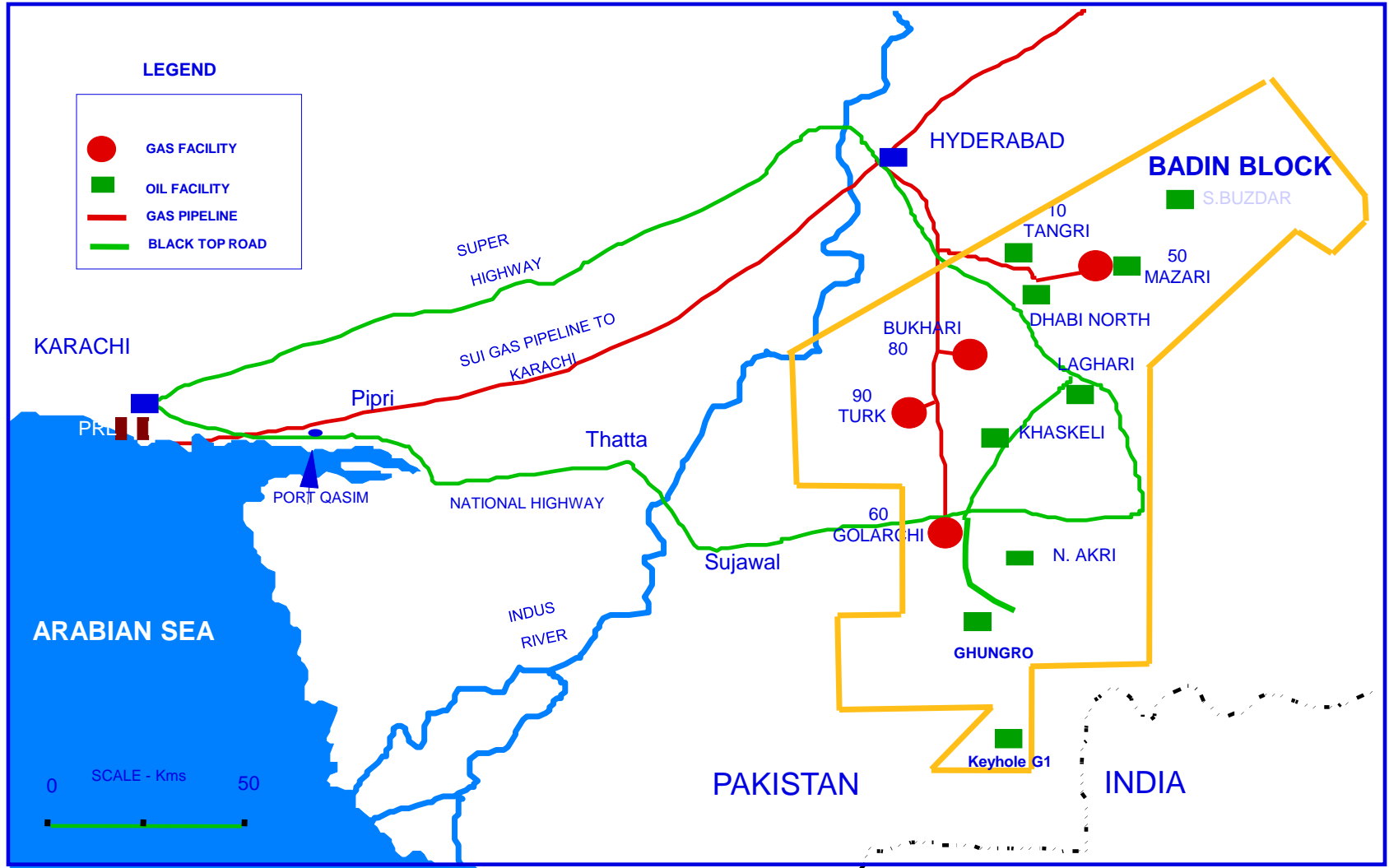
BP PAKISTAN LOCATION



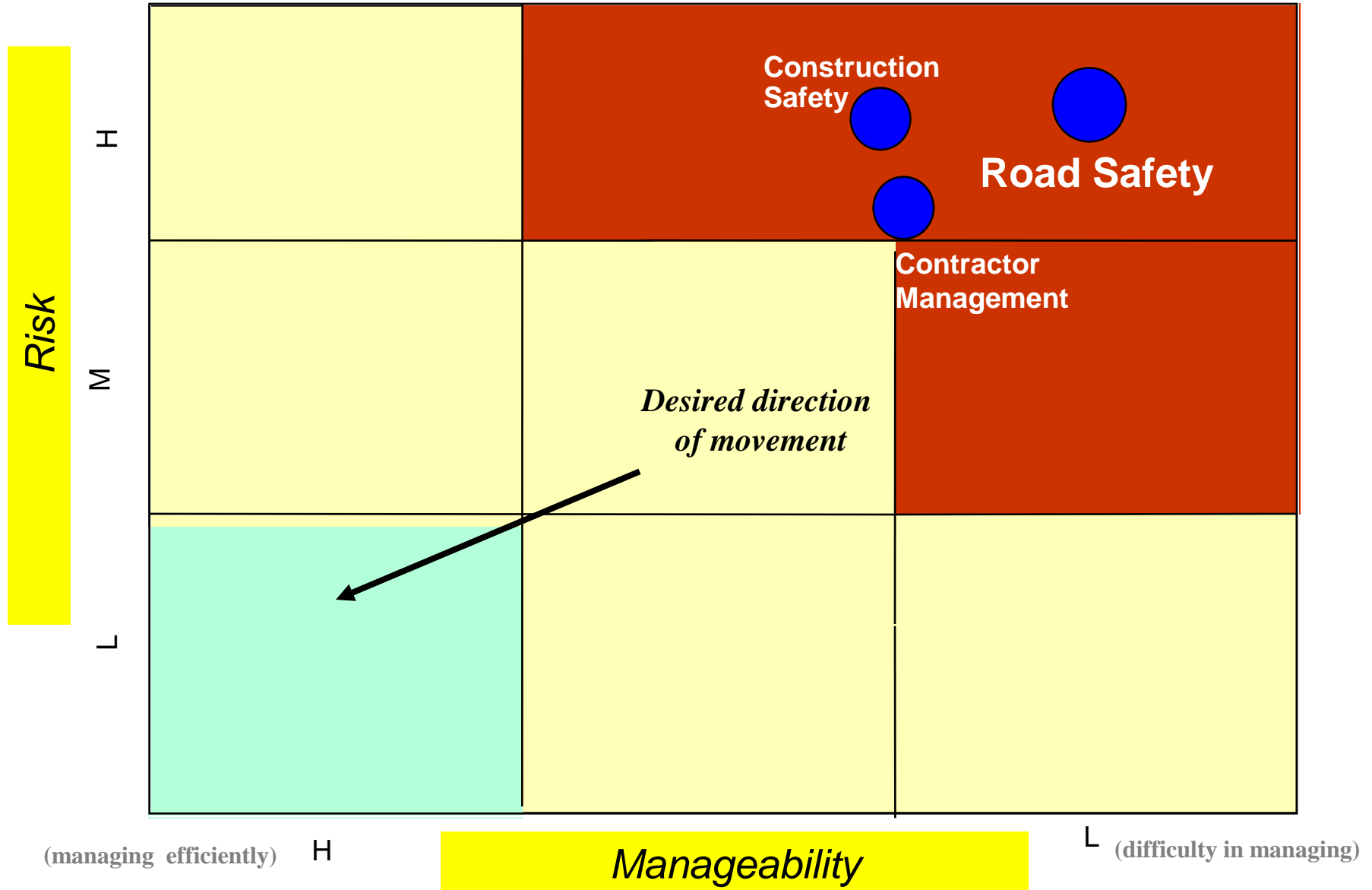


BPP OPERATING AREAS

 **Total Area: 7400 Sq.KM, North to South: 200 KM, East to West: 80 KM**



BPP HSE RISK MATRIX





Road Exposure

- Company vehicles : 175
 - Road Exposure: 350,000 kms. / month
(avg.)
- Contracted bowzers: 120 trip / day
 - Road Exposure: 100,000 kms. / month
(avg.)
- Rig moves through rural towns & villages

Roads in Badin



Roads in Badin



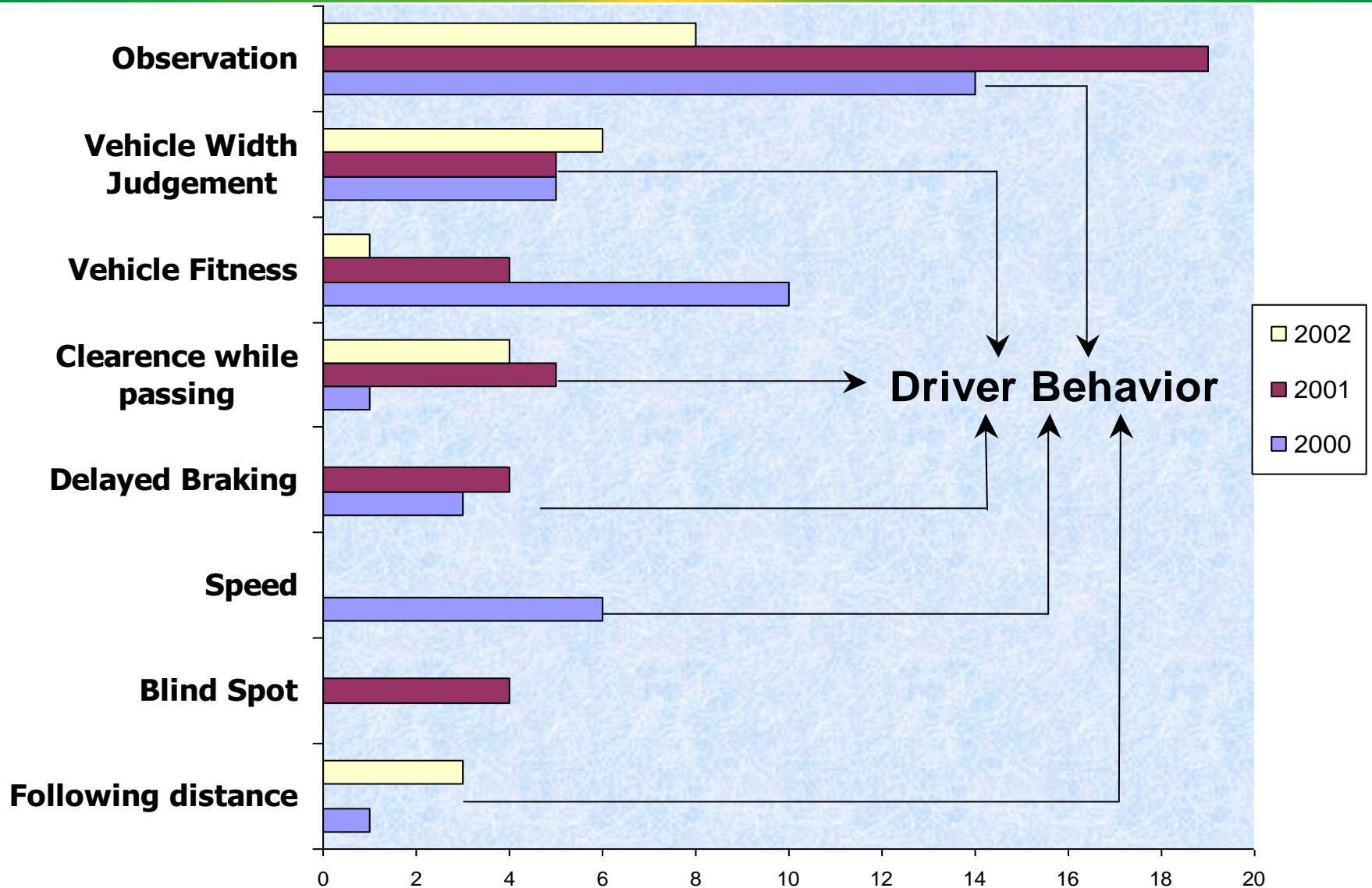
Challenges

- Driving Behaviors
 - BP + contractors &
 - Other road users
- Lack of awareness in local community
- Bulk Haulage
- Rig Moves
- Vehicle Integrity
- Extensive Mileage driven

Other Challenges

- Poor standard of roads
- Enforcement of traffic rules / regulations
- Weather (monsoon) / Crop Harvest season

ACCIDENT DATA ANALYSIS





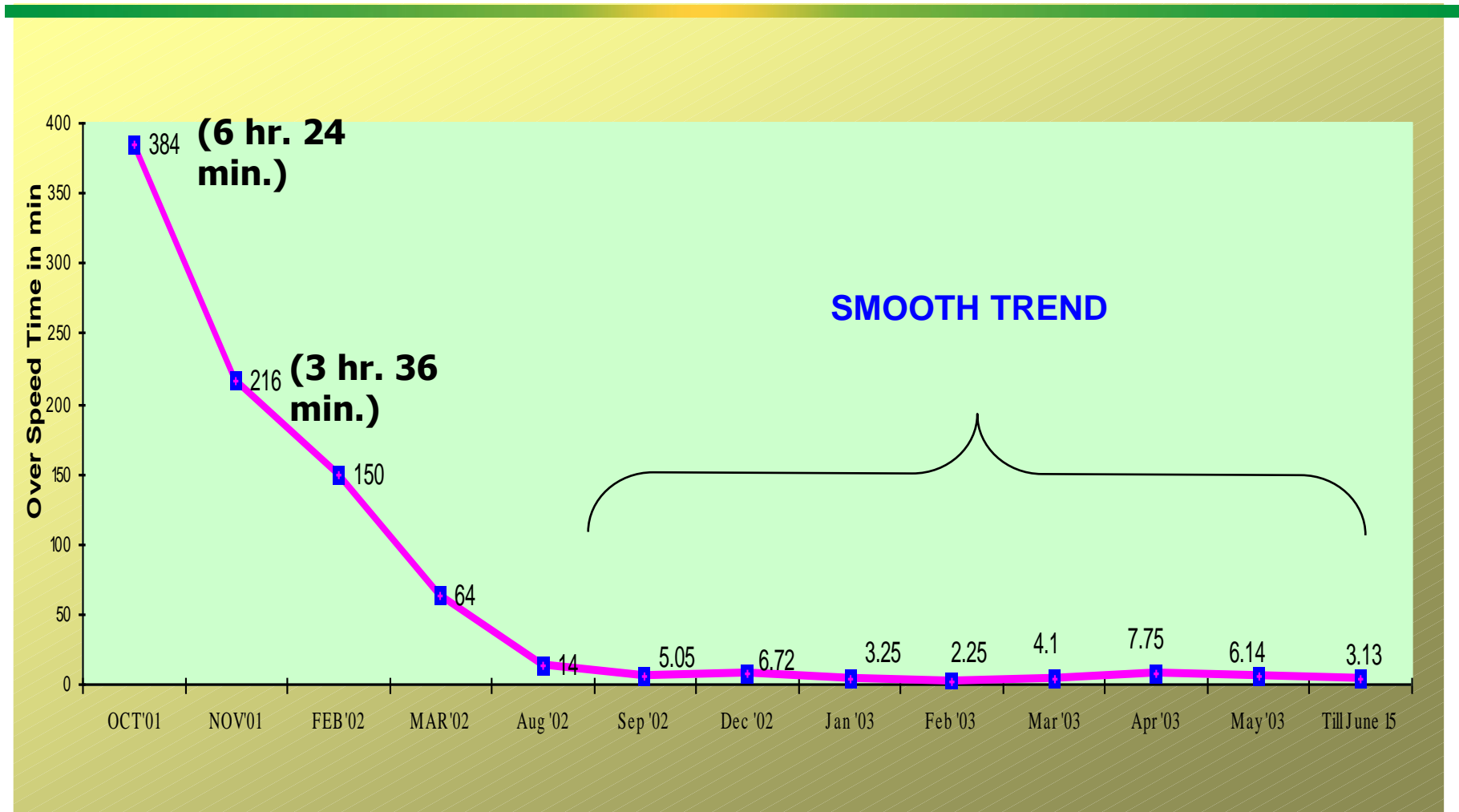
Road Safety Initiatives



Addressing Driver Behaviors

- ➡ Vehicle Monitoring Devices installed
in all vehicles
- ➡ Data downloaded & trend shared
with BP drivers
- ➡ Rewarding good drivers &
addressing poor behaviors

Sustaining Behavioral Change



Addressing Driver Skills

- 👉 Defensive Driving Training (DDT) for all drivers.
- 👉 International accreditation by IAM FLEET (UK) for:
 - 👉 Training institution &
 - 👉 Training Program
- 👉 Re-positioning of DDT after accident data analysis

Awareness in local community



👉 Educating the young students

👉 Public awareness campaigns

👉 Road Signage



Bulk Haulage

- ➡ Only trained & certified drivers allowed.
- ➡ Vehicle fitness checked against standards .
- ➡ Key performance Indicators (KPIs) established & monitored
- ➡ Satellite Tracking & Vehicle Monitoring Devices used
- ➡ Incentive Programs for 'safe drivers'
- ➡ Communicating Safety ...

Bulk Haulage

Communicating Safety ... Safety Fun Mela





Managing Rig Moves

- ➡ Rig Moves thru towns & villages. (around 36 rig moves / year)
- ➡ Risk Assessments for critical section of the roads.
- ➡ Communication through Radios.
- ➡ Coordinating with Local Authorities.
- ➡ Escorting Critical Loads
- ➡ Ban on 'Night Driving'

Managing Rig Moves





Vehicle Integrity & other Issues

- ➡ Vehicle Planned Maintenance routines
- ➡ Phasing out vehicles after 250,000 km.
- ➡ Pre-trip vehicle checklist
- ➡ Ban on 'Night Driving'



Vehicle Integrity & other Issues

- ➡ Mandatory use of Seat Belts
- ➡ Roll Bars on every off-road Light Vehicles
- ➡ Use of 'Nut-flags' - preventing wheels coming out
- ➡ Using 'Inspection Triangles' for pre-trip vehicle look around



Reducing Mileage

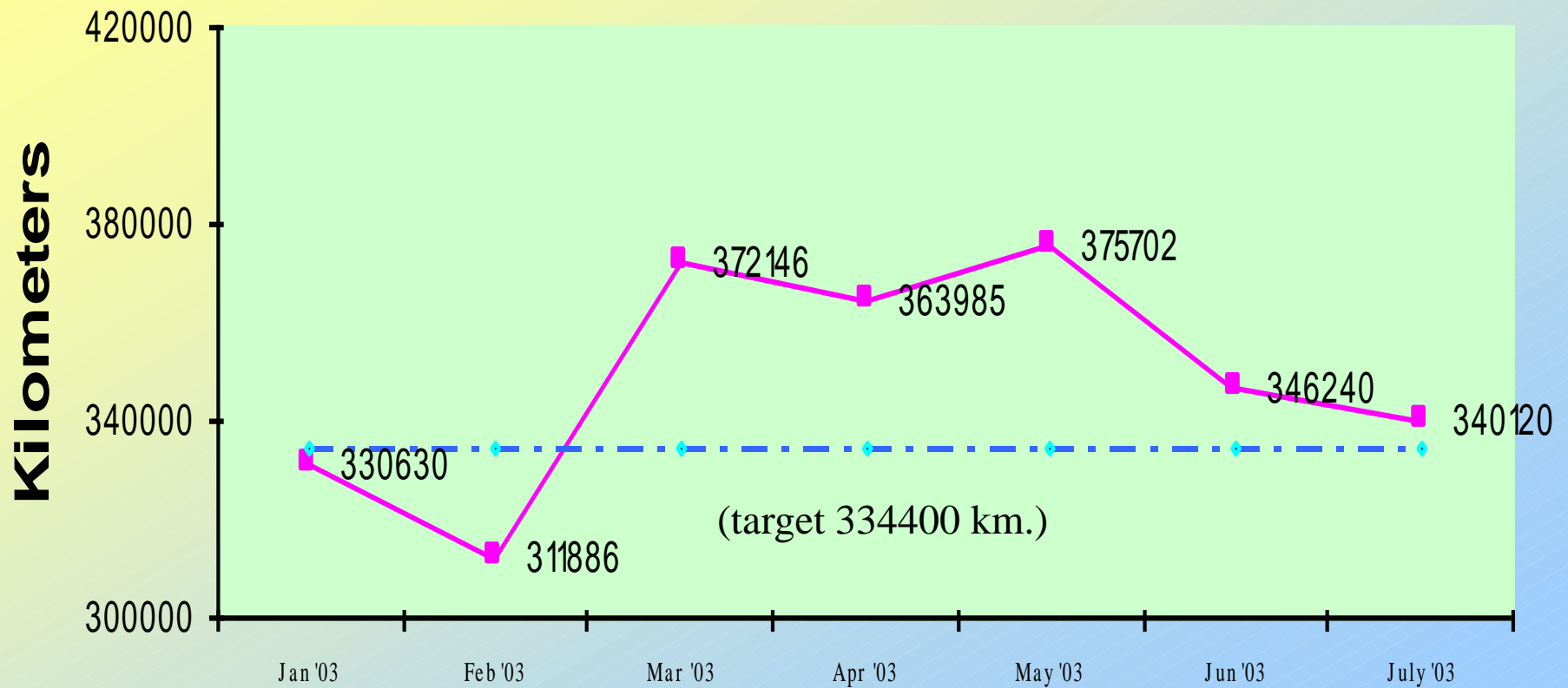
➡ Road Exposure in Badin (more than 3,50000 kms/month)

➡ Journey Management

➡ Reduced Road Exposure by 17 %



Reducing Mileage



Reduction in Road Accidents



... and the journey continues

