



MEETING MINUTES

Technical Advisory Committee
December 9, 2004
Page 3 of 8

intermediate station, which may serve fewer riders. We might run one HSR alternative through the model to validate assumptions made in Level 2A.

- There was consensus that Alternative BRT A (along US 287) should be advanced.
- If our ultimate purpose in transit alternatives screening is to identify one rail alternative to advance, we should retain Alternative F, with a spur line from Milliken to Greeley. Building that may be less problematic than Alts. C, D, and E along I-25. Suggest that Alternative CR "F" replace D or E, which are much more similar.
- Much more information on why alternatives are or are not recommended to be advanced needs to be provided. Response: We will produce a document with comments for each rating and will post it on the internal project website. Many of today's concerns will be revisited when complementary elements are considered in Level 3 screening.

7. I-25 Interchange Planning Process

- Todd Frisbie and Tom Anzia presented the proposed planning process.
- There are four criteria to consider where new interchanges on I-25 might be proposed: (1) AASHTO minimum spacing – one mile for segments classified as urban, two miles for rural; (2) adjacent to a congested interchange; (3) serve significant future population and employment projections; and (4) connect to regionally significant roadways.
- How the existing urban/rural classifications might be changed will be researched.
- Two scenarios are being developed that will bracket the potential interchange plan and its effects on I-25: Accessibility and Mobility.
- Running the travel demand model will require assumptions, so both scenarios will be run to identify traffic issues that are sensitive to new interchange locations.
- This process will be driven by policy decisions since it affects both regional and local issues.

Next Meeting:

January 13, 2005
1:30 to 3:30 PM
Southwest Weld County Services Complex

SIGN-IN SHEET

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
William Andrews	Present	City of Greeley		andrewsb@ci.greeley.co.us
Tom Anzia	Present	FHU		Tom.anzia@fhueng.com
Heather Balsler		City of Louisville		balserh@ci.louisville.co.us
Gary Behlen	Present	Town of Erie		Gbehlen@ci.erie.co.us
John Bramble		City of Brighton		jbramble@brightonco.gov
Charity Brockman		Town of Windsor		cbrockman@windsorgov.com
Kelly Brom		City of Evans		kbrom@ci.evans.co.us
Beth Chase		CDOT		Beth.chase@dot.state.co.us
Greg Clements		City of Commerce City		
Steve Cook		DRCOG		scook@drcog.org
Chris Cramer		Commerce City		ccramer@ci.commerce-city.co.us
Dan Dennison		Town of Mead	Public Works	meadtown@aol.com
David Downing		City of Westminster		d Downing@ci.westminster.co.us
Jennifer Edwards		DRCOG	Trans Planning	jedwards@drcog.org
AJ Euckert		City of Dacono		euckert@ci.dacono.co.us
Anna Fallis		Town of LaSalle		charvey@lasalletown.com
Bob Felsburg		FHU		Bob.felsburg@fhueng.com

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Meggan Foster		Town of Superior		megganf@townofsuperior.com
John Franklin		Town of Johnstown		jfranklin@townofjohnstown.com
Todd Frisbee	Present	FHU		Todd.frisbie@fhueng.com
Phil Greenwald		City of Longmont		Phil.greenwald@ci.longmont.co.us
Tonya Haas	Present	City and County of Broomfield		thaas@ci.broomfield.co.us
Frank Hempen	Present	Weld County		Fhempen@co.weld.co.us
John Holdren		Town of Severance		johnholdren@earthlink.net
Martin Howell		Town of Evans		mhowell@ci.evans.co.us
Mark Jackson		City of Ft. Collins		mjackson@fcgov.com
Michele Kayen	Present	Adams County	Transportation	mkayen@co.ada.s.co.us
Larry Ketcham		Town of Milliken		Larry@town.milliken.co.us
Dave Klockeman	Present	City of Loveland		Klockd@ci.loveland.co.us
David Kruttsinger	Present	RTD		David.kruttsinger@rtd-denver.com
Richard Leffler	Present	Town of Frederick		Dleffler@frederickco.gov
Dave Lindsay	Present	Town of Firestone		dlindsay@tstinc.com
Trent Marshall		City of Northglenn		tmarshall@northglenn.org
Gina McAfee		Carter Burgess		mcafeevj@c-b.com
Rusty McDaniel	Present	Larimer County		rmcdaniel@larimer.org

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Vicky McLane	Present	NFRMPO		vmclane@nfrmpo.org
Joel Meggers		Town of Superior		Joelm@townofsuperior.com
Nick Meier		Town of Platteville		Nmeier@plattevillegov.org
Keith Meyers		Weld County		Kmeyer@co.weld.co.us
Holly Miller	Present	FHU		Holly.miller@fhueng.com
Clark Misner		Boulder County		Cmisner@co.boulder.co.us
Gregg Mugele	Present	FHU		Gregg.mugele@fhueng.com
Nanette Neelan		Jefferson County		Nneelan@jeffco.us
Tony Ogboli		City and County of Denver		Tony.ogboli@ci.denver.co.us
Wendi Palmer		Town Erie		wpalmer@ci.erie.co.us
Gene Putman		City of Thornton		geneputman@cityofthornton.net
Scott Robson		Boulder County		Srobson@co.boulder.co.us
Randall Rutsch		City of Boulder		rutschR@ci.boulder.co.us
Matthew Seubert		City and County of Denver		Matt.seubert@ci.denver.co.us
Jeanne Shreve		Adams County		jshreve@co.adams.co.us
Jim Sidebottom	Present	City of Ft. Lupton		cityadmin@frii.net
Anna Smith		Town of Evans		Asmith@ci.evans.co.us
William Sterling		City of Greeley		Sterlingb@ci.greeley.co.us

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Sharon Sullivan		Town of Ault		Sullies@townofault.org
Ron Tausan		Town of Severance		
John Taylor		Town of Gilcrest		Gtvfsjt5@aol.com
Glenn Vaad		Weld County		gvaad@co.weld.co.us
Dennis Wagner		Town of Windsor		rwensing@windsorgov.com
Rod Wensing		Town of Windsor		rwensing@windsorgov.com
Jim White		Town of Berthoud		jwhite@ci.berthoud.co.us
Nick Wolfrum		City of Longmont	Public Works	Nick.wolfrum@ci.longmont.co.us
Craig Gaskill	Present	Carter Burgess	Trans. Planning	
Henry Stoppelcamp	Present	RTD		
Chris Primus		Carter Burgess		
Pete Graham		CDOT		
Stan Elmquist		CDOT		
Jean Wallace		FHWA		
Bob Garcia		CDOT		
Brent Soderlin		Commerce City	Public Works	bsoderlin@ci.commerce-city.co.us
Robert Edgar	Present	EPA	NEPA	Edgar.robert@epa.gov
Jeff Dankenbring		FHU		Jeff.dankenbring@fhuenq.com



NORTH I-25
EIS

Technical Advisory Committee
December 9, 2004

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Michelle Stevens	<i>Present</i>	FHU		Michelle.stevens@fhueng.com
Bill Swenson		Trans. Commission		billTC1@comcast.net
Julie Morrison		Carter Burgess	Transit Alt.	morrisonjc@c-b.com
Wesley LaVanchy		City of Ft. Lupton		Wlaranchy@fcii.net
Dave Davis		CDOT		David.d.davis@dot.state.co.us
Dave Martinez	<i>Present</i>	CDOT		
Juan Nevarez	<i>Present</i>	City of Brighton		jnevarez@brightonco.gov



MEETING MINUTES

Technical Advisory Committee

MEETING DATE: January 13, 2005

LOCATION: Southwest Weld County Service Complex

ATTENDEES: See Sign In Sheet

PREPARER: Felsburg Holt & Ullevig
Becky

SUMMARY OF DISCUSSION

1. *Introductions*

2. *Comments on December Meeting Minutes*

- No comments

3. *Level 2A Transit Screening Update*

- The project team will request that Craig G. describe why a rail alignment was not considered on the WCR 13 alignment.
- It was commented that Weld County population will eventually be greater than the Larimer County population.
- It was asked in community land use plans were considered in developing rail alternatives because a new rail alignment would affect land use patterns. The project team used existing and future population and employment projections to develop the transportation improvement alternatives.
- It was suggested that the planning horizon for this study is too short and a longer term planning horizon should be considered.
- Generally, the TAC agreed with the alternatives to be carried into Level 2B screening.

4. *Transit Modeling*

- The transit modeling approach tests the affect of the alignment of an alternative, the speed and the affect of connectivity on ridership and travel time. The travel time includes the time to travel between a home or work location to a rail station.
- It was commented that the Two Rivers Parkway area is growing in demand. The TAC had some concerns that the alternatives being shown in the modeling approach do not serve this area. Carter-Burgess explained that the goal in the modeling approach is to test concepts and not specific elements.
- The purpose of the modeling is to test how speed and end points affects travel demand and to compare the various technologies (i.e. commuter rail, bus-rapid transit and high-speed rail) against each other.



MEETING MINUTES

Technical Advisory Committee
January 13, 2005
Page 2 of 8

- It was noted that for long distance travel, the public is more likely to rail technologies than bus technologies.
- The modeling effort will give an estimate of the transit capacity needs in the corridor.

5. Preliminary Results of 2A Highway Screening

Through Level 2A screening, the team has developed the following results and recommendations for review and discussion by the TAC.

Additional Lanes

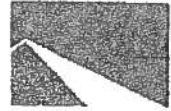
- Widening I-25 to 6 or 8 lanes would be carried forward while widening US 287 and US 85 would be dropped as stand-alone alternatives. There were no comments received on these results.

Managed Lanes

- Alternatives that do not require conversion of the new lanes from SH 7 to SH 66 for restricted use were recommended to be carried forward for further consideration.
- HOV and HOT lanes tend to encourage carpooling while Toll lanes that do not provide an incentive to carpool and do not encourage greater carpool use.
- It was asked if the Tolling alternatives consider parallel arterials or just a single alignment.
- One of the Tolling alternatives is consistent with the recommendations of the tolling enterprise study.
- It was commented that the recommended solution should be more than just a CDOT solution. The recommended solution needs to include non-CDOT components.
- Tolling alternatives have an advantage over traditional highway projects because they have a revenue source.
- Initially the new lanes south of SH 66 were intended to be HOV lanes which were part of the original MIS recommendation. However, in the EA for the widening these additional lanes were cleared to be general purpose lanes. The TAFS recommendation was to convert the additional lanes to HOV lanes.
- There was some question on how well have the new lanes south of SH 66 have been defined as general purpose lanes. It was commented that it may be theoretically still possible to convert these lanes to HOV lanes.
- It was decided to keep the alternatives that convert the new lanes south of SH 66 to HOV or Toll lanes. These could be screened out in the evaluation of alternatives and/or could be evaluated as a phase to another managed lane alternative.
- Alternative A of the limited access lanes was recommended for additional analysis while Alternative B was dropped because capacity was in excess of what is anticipated as necessary to meet demand.

Upgrade Highway Classification

- It was recommended that upgrading both US 85 and US 287 not be carried forward as stand-alone alternatives. Additional analysis of US 85 was conducted and showed that I-25 would remain 10 to 50% over capacity even if US 85 was converted to a freeway-type facility.



MEETING MINUTES

Technical Advisory Committee
January 13, 2005
Page 3 of 8

- The TAC decided that it was not necessary to model US 85 as a stand-alone alternative commenting on the difficulty of converting US 85 to a freeway.

Parallel Arterials

- The TAC was concerned that parallel arterials were not being considered in the study. They commented that parallel arterials do provide some benefit to segments of I-25 and that off-system (i.e. parallel arterials) improvements can help to relieve some demand on I-25.
- Parallel arterials are not being considered as a stand-alone solution but are still being carried forward as a complementary improvement.

New Highway

- It was asked if it is necessary to model a new highway alignment to determine the impact it might have on I-25 demand.
- These alternatives had the largest potential for environmental impacts.

Congestion Management

- Congestion Management alternatives will be retained as a complementary alternative but do not provide enough capacity or demand reduction to be a stand-alone alternative.
- There were no TAC comments on the congestion management.

Next Meeting:

To be determined

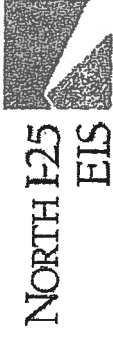
SIGN-IN SHEET

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Zafar Alikan	Present	Carter Burgess		
William Andrews	Present	City of Greeley		andrewsb@ci.greeley.co.us
Tom Anzia	Present	FHU		Tom.anzia@fnueng.com
Heather Balsler		City of Louisville		balsrth@ci.louisville.co.us
Gary Behlen		Town of Erie		Gbehlen@ci.erie.co.us
John Bramble		City of Brighton		jbramble@brightonco.gov
Charity Brockman		Town of Windsor		cbrockman@windsorgov.com
Kelly Brom		City of Evans		kbrom@ci.evans.co.us
Beth Chase		CDOT		Beth_chase@dot.state.co.us
Greg Clements		City of Commerce City		
Steve Cook		DRCOG		scook@drcog.org
Chris Cramer		Commerce City		ccramer@ci.commerce-city.co.us
Dennis Crock	Present	Town of Erie		dcrock@ci.erie.co.us
Dan Dennison		Town of Mead	Public Works	meadtown@aol.com
David Downing		City of Westminster		d Downing@ci.westminster.co.us
Robert Edgar	Present	EPA		Edgar.robert@epa.gov
Jennifer Edwards		DRCOG	Trans Planning	jedwards@drcog.org

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Stan Elmquist	<i>Present</i>	CDOT		
AJ Euckert		City of Dacono		euckert@ci.dacono.co.us
Anna Fallis		Town of LaSalle		charvev@lasalletown.com
Bob Felsburg		FHU		Bob.felsburg@fhueng.com
Meggan Foster		Town of Superior		megganf@townofsuperior.com
John Franklin		Town of Johnstown		ifranklin@townofjohnstown.com
Todd Frisbee		FHU		Todd.frisbie@fhueng.com
Renee Galeano-Popp	<i>Present</i>	CDOT		
Bob Garcia	<i>Present</i>	CDOT		
Phil Greenwald		City of Longmont		Phil.greenwald@ci.longmont.co.us
Bill Haas	<i>Present</i>	FHWA		William.haas@fhwa.dot.gov
Tonya Haas	<i>Present</i>	City and County of Broomfield		thaas@ci.broomfield.co.us
Karla Harding	<i>Present</i>	CDOT		
Frank Hempen	<i>Present</i>	Weld County		Fhempen@co.weld.co.us
John Holdren		Town of Severance		johnholdren@earthlink.net
Martin Howell		Town of Evans		mhowell@ci.evans.co.us
Mark Jackson		City of Ft. Collins		mjackson@fcgov.com
Michele Kayen	<i>Present</i>	Adams County	Transportation	mkayen@co.ada.s.co.us

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Larry Ketcham		Town of Milliken		Larry@town.milliken.co.us
Dave Klockeman	Present	City of Loveland		Klockd@ci.loveland.co.us
David Krutsinger		RTD		David.krutsinger@rtd-denver.com
Richard Leffler		Town of Frederick		Dleffler@frederickco.gov
Dave Lindsay		Town of Firestone		dlindsay@fstinc.com
Trent Marshall		City of Northglenn		tmarshall@northglenn.org
David Martinez		CDOT		
Gina McAfee		Carter Burgess		mcafeev@c-b.com
Rusty McDaniel		Larimer County		rmcdaniel@larimer.org
Vicky McLane	Present	NFRMPO – Cliff Davidson		vmclane@nfrmpo.org
Joel Meggers		Town of Superior		Joelm@townofsuperior.com
Nick Meier		Town of Platteville		Nmeier@plattevillegov.org
Keith Meyers		Weld County		Kmeyer@co.weld.co.us
Holly Miller	Present	FHU		Holly.miller@fhueng.com
Clark Misner		Boulder County		cmisner@co.boulder.co.us
Julie Morrison	Present	Carter Burgess		
Gregg Mugele		FHU		Gregg.mugele@fhueng.com
Nanette Neelan		Jefferson County		Nneelan@jeffco.us

Technical Advisory Committee
January 13, 2005



Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Tony Ogboli	<i>Present</i>	City and County of Denver		Tony.ogboli@ci.denver.co.us
Wendi Palmer		Town Erie		wpalmer@ci.erie.co.us
Carol Parr	<i>Present</i>	CDOT		
Mark Peterson	<i>Present</i>	Larimer County		mpeterson@larimer.org
Gene Putman		City of Thornton		geneputman@cityofthornton.net
Scott Robson		Boulder County		Srobson@co.boulder.co.us
Randall Rutsch		City of Boulder		rutschR@ci.boulder.co.us
Matthew Seubert		City and County of Denver		Matt.seubert@ci.denver.co.us
Jeanne Shreve	<i>Present</i>	Adams County		ishreve@co.adams.co.us
Jim Sidebottom		City of Ft. Lupton		cityadmin@frii.net
Anna Smith		Town of Evans		Asmith@ci.evans.co.us
Brent Soderlin	<i>Present</i>	Commerce City		bsoderlin@ci.commerce-city.co.us
Sharon Sullivan		Town of Ault		Sullies@townofault.org
Bill Swenson	<i>Present</i>	Transportation Comm.		billTC1@comcast.net
Ron Tausan		Town of Severance		
John Taylor		Town of Gilcrest		Gtvfsit5@aol.com
Glenn Vaad		Weld County		gvaad@co.weld.co.us
Dennis Wagner		Town of Windsor		rwensing@windsorgov.com

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Rod Wensing		Town of Windsor		nwensing@windsorgov.com
Jim White		Town of Berthoud		jwhite@ci.berthoud.co.us
Nick Wolfrum		City of Longmont	Public Works	Nick.wolfrum@ci.longmont.co.us
Mary Gavin	Present	City of Dacono		Jmg1109@msn.com



MEETING MINUTES

Technical Advisory Committee

MEETING DATE: February 24, 2005

LOCATION: Southwest Weld County Service Complex

ATTENDEES: See Sign In Sheet

PREPARER: Felsburg Holt & Ullevig
Becky

SUMMARY OF DISCUSSION

1. **Introductions**
2. **Comments on January Meeting Minutes**
 - No comments
3. **Schedule**
 - March 17th TAC and RCC meetings have been cancelled
 - Next TAC meeting April 14th
 - Public Meetings in June
4. **Public Comment**
 - Kim P. provided a summary of public comments received. Gene Putman asked what portion of the comments are about FasTracks. Kim P. said she had not put numbers to the comments.
 - A number of comments received stated that while tolling is a feasible option, the toll must be reasonably priced. A TAC member asked what people think is a reasonable toll rate. Kim P. said that she had not heard people specify the dollar amount. Some people have said that E-470 is too expensive. It is = \$0.17/mile.
5. **Background**
 - Level 1 – 77 alternatives evaluated for fatal flaws and 34 progressed. In Level 2A evaluated these alternatives and 21 progressed. We are currently in the Level 2B evaluation process and hope to wrap it up in June. Today we will focus on development and initial evaluation efforts for highway alternatives. Subsequent meetings will focus on transit alternatives.
6. **Modal Approach**
 - Graphics were posted that illustrate the changes in households, population and employment in the study area between 2001 and 2030.
 - A number of requests were made to get copies of the graphics. The team will post the graphics to the web site along with minutes and the presentation.
 - 35% of existing households in the study area are in the NFR. This is expected to increase to about 40% by 2030.
7. **No-Action**



MEETING MINUTES

Technical Advisory Committee
February 24, 2005
Page 2 of 7

- Gene P. asked to show volumes south of SH 7. South of SH7 traffic volumes go up steadily. Gene P. also suggested showing the charts as line graphs instead of bar graphs.
- TAC suggested that capacity should be shown on the graphics.
- Vehicle miles traveled
 - in 2001 27 million per day
 - in 2030 48 million per day
 - This represents a 77% increase

8. Demand (8-Lane Model Run)

- With 8 lanes on I-25, VMT increases by about 2%.
- Improvements to I-25 reduce projected demand on US 85 and US 287 by 5 to 10%.
- TAC suggested that the charts should show the reduction to US 287 and US 85 projected volumes due to improvements to I-25.

9. Access (8-Lane with Additional Access Model Run)

- Demand increases over the 8-lane model run demand by adding access to I-25
- It was suggested that CR 36 should be a new interchange location instead of CR 30 because CR 36 has an existing overpass. It was also suggested to not label new interchange locations.
- Vicky M. pointed out that interchanges are an extremely sensitive subject.
- The small increase in volumes at the US 34 interchange are added to I 25 may be a result of more short trips occurring on I-25.
- Bob F. stated that it needs to be clear that at this stage, this is not a recommendation of interchange locations. This was just a modeling exercise to determine impact of adding new interchanges to I-25. New locations will be analyzed in detail prior to making any recommendations.
- One goal of the EIS is to develop an access management plan for the corridor.

10. Summary of Model Run Results

- Providing 8-lanes on I-25 would bring the 2030 travel time close to the travel time experienced today.
- Adding interchanges degrades travel time somewhat.
- At the upcoming meetings the team will summarize all the measures used to evaluate the alternatives and show them for all model runs.

Next Meeting:

April 21st, 2005
Loveland Police and Courts
1:30 – 3:30 PM

SIGN-IN SHEET

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Zafar Alikan		Carter Burgess		
William Andrews	Present	City of Greeley		andrewsb@ci.greeley.co.us
Tom Anzia	Present	FHU		Tom.anzia@fhueng.com
Heather Balsler		City of Louisville		balsrh@ci.louisville.co.us
Gary Behlen		Town of Erie		Gbehlen@ci.erie.co.us
John Bramble	Present (substitute)	City of Brighton		ibramble@brightonco.gov
Charity Brockman		Town of Windsor		cbrockman@windsorgov.com
Kelly Brom		City of Evans		kbrom@ci.evans.co.us
Leslie Chadwick	Present	Praco	Public relations	
Greg Clements		City of Commerce City		
Steve Cook		DRCOG		scook@drcoq.org
Chris Cramer		Commerce City		ccramer@ci.commerce-city.co.us
Dennis Crock		Town of Erie		dcrock@ci.erie.co.us
Dan Dennison	Present	Town of Mead	Public Works	meadtown@aol.com
David Downing		City of Westminster		d Downing@ci.westminster.co.us
Robert Edgar		EPA		Edgar.robert@epa.gov
Jennifer Edwards	Present	DRCOG	Trans Planning	jedwards@drcoq.org



NORTH I-25
EIS

Technical Advisory Committee
February 24, 2005

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Stan Elmquist	<i>Present</i>	CDOT		
AJ Euckert		City of Dacono		euckert@ci.dacono.co.us
Anna Fallis		Town of LaSalle		charvey@lasalletown.com
Bob Felsburg	<i>Present</i>	FHU		Bob.felsburg@fhueng.com
Meggan Foster	<i>Present</i>	Town of Superior		megganf@townofsuperior.com
John Franklin		Town of Johnstown		jfranklin@townofjohnstown.com
Todd Frisbee		FHU		Todd.frisbie@fhueng.com
Renee Galeano-Popp		CDOT		
Bob Garcia	<i>Present</i>	CDOT		
Phil Greenwald		City of Longmont		Phil.greenwald@ci.longmont.co.us
Bill Haas	<i>Present</i>	FHWA		William.haas@fhwa.dot.gov
Tonya Haas		City and County of Broomfield		thaas@ci.broomfield.co.us
Karla Harding		CDOT		
Frank Hempten		Weld County		Fhempten@co.weld.co.us
John Holdren		Town of Severance		johnchildren@earthlink.net
Martin Howell		Town of Evans		mhowell@ci.evans.co.us
Genevieve Hutchison	<i>Present</i>	Regional Transportation District		
Mark Jackson		City of Ft. Collins		mjackson@fcgov.com

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Michele Kayen		Adams County	Transportation	mkayen@co.ada.s.co.us
Larry Ketcham		Town of Milliken		Larry@town.milliken.co.us
Dave Klockeman	Present	City of Loveland		Klockd@ci.loveland.co.us
David Krutsinger		RTD		David.krutsinger@rtd-denver.com
Richard Leffler		Town of Frederick		Dleffler@frederickco.gov
Dave Lindsay		Town of Firestone		dlindsay@tstinc.com
Trent Marshall		City of Northglenn		tmarshall@northglenn.org
David Martinez	Present	CDOT		
Gina McAfee		Carter Burgess		mcafeevl@c-b.com
Rusty McDaniel		Larimer County		rmcdaniel@larimer.org
Vicky McLane	Present	NFRMPO – Cliff Davidson		vmclane@nfrmpo.org
Joel Meggers		Town of Superior		Joelim@townofsuperior.com
Nick Meier		Town of Platteville		Nmeier@plattevillegov.org
Keith Meyers		Weld County		Kmeyer@co.weld.co.us
Holly Miller	Present	FHU		Holly.miller@fhueng.com
Clark Misner		Boulder County		Cmisner@co.boulder.co.us
Julie Morrison	Present	Carter Burgess		
Gregg Mugele	Present	FHU		Gregg.mugele@fhueng.com



NORTH I-25
EIS

Technical Advisory Committee
February 24, 2005

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Nanette Neelan		Jefferson County		Nneelan@jeffco.us
Tony Ogboli	Present	City and County of Denver		Tony.ogboli@ci.denver.co.us
Wendi Palmer		Town Erie		wpalmer@ci.erie.co.us
Carol Parr		CDOT		
Mark Peterson		Larimer County		mpeterson@larimer.org
Kim Podobnik	Present	Praco	Public relations	
Gene Putman	Present	City of Thornton		geneputman@cityofthornton.net
Scott Robson		Boulder County		Srobson@co.boulder.co.us
Randall Rutsch		City of Boulder		rutschR@ci.boulder.co.us
Matthew Seubert		City and County of Denver		Matt.seubert@ci.denver.co.us
Jeanne Shreve		Adams County		ishreve@co.adams.co.us
Jim Sidebottom		City of Ft. Lupton		cityadmin@frii.net
Anna Smith		Town of Evans		Asmith@ci.evans.co.us
Brent Soderlin	Present	Commerce City		bsoderlin@ci.commerce-city.co.us
Sharon Sullivan		Town of Ault		Sullies@townofault.org
Bill Swenson		Transportation Comm.		billTC1@comcast.net
Ron Tausan		Town of Severance		
John Taylor		Town of Gilcrest		Gtvsit5@aol.com

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Glenn Vaad		Weld County		gvaad@co.weld.co.us
Dennis Wagner		Town of Windsor		rwensing@windsorgov.com
Rod Wensing		Town of Windsor		rwensing@windsorgov.com
Jim White		Town of Berthoud		jwhite@ci.berthoud.co.us
Nick Wolfrum		City of Longmont	Public Works	Nick.wolfrum@ci.longmont.co.us
Mary Gavin		City of Dacono		Jmg1109@msn.com
Gary Johnson	Present	Burlstone		
Burt Knight	Present	City and County of Broomfield		
Glenn Gibson	Present	Larimer County Commissioner		
Anita Riley	Present	Boulder		Aariley@co.boulder.co.us
Jessica Osborne	Present	Commerce City		josborne@ci.commerce-city.co.us
Chris Primus	Present	Carter Burgess		
Kathleen Reeves	Present	Ft. Collins		

MEETING MINUTES

Technical Advisory Committee

MEETING DATE: April 21, 2005

LOCATION: Southwest Weld County Service Complex

ATTENDEES: See Sign In Sheet

PREPARER: Felsburg Holt & Ullevig
Becky

SUMMARY OF DISCUSSION

1. *Introductions*

2. *Comments on February Meeting Minutes*

- No comments

3. *Project Review/Update*

- Recent comments on the project's draft Purpose and Need statement from the US Army Corps of Engineers and FHWA are being addressed. Outcome will be discussed at the May RCC meeting.
- Today we'll discuss recommended results for highway alternatives screening process. Next month we'll discuss transit.
- Level 2 screening results will be presented at a series of four public meetings in June – dates and cities are in the meeting packet.

4. *Preliminary Level 2B highway evaluation and screening*

- Holly M. presented slides showing the highway screening approach, the overall Level 2B screening process flow chart, and the four types of highway alternatives under consideration. It was suggested that a picture of a Limited Access Lanes facility would be helpful.
 - Chris P. explained why there are not yet any model results for the Toll and HOT lane alternatives. The travel demand models from two MPOs have been combined into one new model for the project. It recently became evident that the DRCOG model was not functioning properly for tolling. There is a "bug" in the software that must be fixed. DRCOG is working with their software vendor to correct this region-wide problem. Until then we must limit our evaluations to the data that is available.
 - The bar charts for the Limited Access Lanes and for the General Purpose Lanes graphics show different daily traffic volumes because new capacity on I-25 will attract more demand – trips from other roads.
 - It was asked what is there to prevent more access points being added to the Limited Access facility after it is operating, and how much pressure to add more access have
-



MEETING MINUTES

Technical Advisory Committee
April 21, 2005
Page 2 of 9

- existing Limited Access facilities experienced. The Project Team will research these issues.
- Suggestions were made to show separate volume-to-capacity ratios for the different lane types; and to show more bars that match the various termini of the alternatives.
 - It was asked what the working definition for congestion is. The project is using the North Front Range MPO's 0.87 volume-to-capacity ratio, at which point conditions become congested. It is not the high speeds that a committee member witnessed along the T-Rex project in southeast Denver.
 - A comment was made that the favorable safety evaluation for the 8-lane alternative is surprising since the southern California experience is that 8-lane highways have twice as many incident calls as 6-lanes.
 - The Mobility graphic that shows both the Northbound PM Peak Travel Times and the % Congested Lane Miles will be split into two separate graphics. That will allow for a larger vertical scale to show differences between alternatives, and also the possible addition of southbound travel times.
 - The Aging Infrastructure graphic prompted the question of why all of the alternatives north to SH 66 are given the "Worst Rating". That is because the 2030 No Action Alternative will have replaced deficient structures and Poor/Fair pavement as far north as SH 66, so only the alternatives that have limits further north will further improve aging infrastructure.
 - The practicability bar chart compares alternatives in terms of their construction costs divided by person-trips, not "per annual user" as shown. Operating and maintenance costs will be added to construction. The intent is to develop a measure that can compare total costs between highway and transit alternatives in Level 3 screening. The key point is the relative difference in costs between alternatives. For example, Limited Access Lanes to SH 1 would cost five times as much as HOV lanes to SH 66. It was concluded that this graphic should be revised before it is shown to the public.
 - Gina M. presented the environmental screening results. Level 2B analysis used findings from 1A and new data such as total vehicle miles and hours traveled and peak hour speeds for adjacent residential development, but air quality, wetlands, and hazardous materials are potential environmental issues.
 - The differences in vehicles miles traveled (VMT) between alternatives are relatively small.
 - The two highway alternatives that appear to best meet Purpose and Need, 8 General Purpose Lanes and Limited Access Lanes, also require the most new right-of-way and have the highest costs.
 - Based on the screening performed in Level 2B, no highway alternatives are likely to have what would be considered significant impacts.
 - The question of what difference new fuels by the year 2030 might have was asked, and the response was given that they would likely affect highway alternatives the same way.



MEETING MINUTES

Technical Advisory Committee
April 21, 2005
Page 3 of 9

- Holly M. presented the preliminary 2B highway screening recommendations. Retain seven alternatives as Stand-Alone for Level 2 screening: the No-Action; the 6-lane and the 8-lane General Purpose Lanes, the Limited Access Lanes to SH 1; and the HOV, Toll and HOT lanes to SH 14. Eliminate five alternatives as Stand-Alone: HOV and HOT Lanes to SH 66, Toll Lanes to SH 66 and to US 34, and HOT lanes to SH 34.
- It was asked why the 6 General Purpose Lane alternative should be retained if it would not fully meet future travel demand. Discussion included this alternative's advantages that it could provide an opportunity for a balanced package of highway and transit improvements. If only the 8 lane General Purpose Lane Alternative is retained, then there is no capacity need for transit or local road improvements. There was general agreement to keep both the 6- and 8-lane alternatives on the table until there are compelling reasons to screen them out.

Next Meeting:

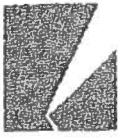
May 19, 2005 (Please note the time change as was discussed at the end of the April 21st Meeting.)
Southwest Weld County Services Building
3:30 – 5:00 PM

SIGN-IN SHEET

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Zafar Alikan		Carter Burgess		
William Andrews	Present	City of Greeley		andrewsb@ci.greeley.co.us
Tom Anzia		FHU		Tom.anzia@fhueng.com
Heather Balsler		City of Louisville		balsersh@ci.louisville.co.us
Gary Behlen	Present	Town of Erie		Gbehlen@ci.erie.co.us
John Bramble		City of Brighton		jbramble@brightonco.gov
Charity Brockman		Town of Windsor		cbrockman@windsorgov.com
Kelly Brom		City of Evans		kbrom@ci.evans.co.us
Leslie Chadwick		PRACO	Public relations	
Greg Clements		City of Commerce City		
Steve Cook		DRCOG		scook@drcog.org
Chris Cramer		Commerce City		ccramer@ci.commerce-city.co.us
Dennis Crock		Town of Erie		dcrock@ci.erie.co.us
Dan Dennison	Present	Town of Mead	Public Works	meadtown@aol.com
David Downing		City of Westminster		dldowning@ci.westminster.co.us
Robert Edgar	Present	EPA		Edgar.robert@epa.gov
Jennifer Edwards	Present	DRCOG	Trans Planning	jedwards@drcog.org

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Stan Elmquist	Present	CDOT		
AJ Euckert		City of Dacono		euckert@ci.dacono.co.us
Anna Fallis		Town of LaSalle		charvey@lasalletown.com
Bob Felsburg		FHU		Bob.felsburg@fhueng.com
Meggan Foster		Town of Superior		megganf@townofsuperior.com
John Franklin		Town of Johnstown		jfranklin@townofjohnstown.com
Todd Frisbee		FHU		Todd.frisbie@fhueng.com
Renee Galeano-Popp		CDOT		
Bob Garcia	Present	CDOT		
Phil Greenwald		City of Longmont		Phil.greenwald@ci.longmont.co.us
Bill Haas	Present	FHWA		William.haas@fhwa.dot.gov
Tonya Haas		City and County of Broomfield		thaas@ci.broomfield.co.us
Karla Harding		CDOT		
Frank Hempen	Present	Weld County		Fhempen@co.weld.co.us
John Holdren		Town of Severance		johnholdren@earthlink.net
Martin Howell		Town of Evans		mhowell@ci.evans.co.us
Genevieve Hutchison		Regional Transportation District		
Mark Jackson		City of Ft. Collins		mjackson@fcgov.com

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Michele Kayen	Present	Adams County	Transportation	mkayen@co.ada.s.co.us
Larry Ketcham		Town of Milliken		Larry@town.milliken.co.us
Dave Klockeman	Present	City of Loveland		Klockd@ci.loveland.co.us
David Krutsinger	Present	RTD		David.krutsinger@rtd-denver.com
Richard Lefler	Present	Town of Frederick		Dleffler@frederickco.gov
Dave Lindsay		Town of Firestone		dlindsay@tstinc.com
Trent Marshall		City of Northglenn		tmarshall@northglenn.org
David Martinez		CDOT		
Gina McAfee		Carter Burgess		mcafeevl@c-b.com
Rusty McDaniel		Larimer County		rmcdaniel@larimer.org
Vicky McLane	Present	NFRMPO – Cliff Davidson		vmclane@nfrmpo.org
Joel Meggers		Town of Superior		Joelm@townofsuperior.com
Nick Meier		Town of Platteville		Nmeier@plattevillegov.org
Keith Meyers		Weld County		Kmeyer@co.weld.co.us
Holly Miller	Present	FHU		Holly.miller@fhueng.com
Clark Misner		Boulder County		Cmisner@co.boulder.co.us
Julie Morrison		Carter Burgess		
Gregg Mugele	Present	FHU		Gregg.mugele@fhueng.com



NORTH I-25
EIS

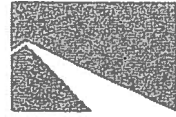
Technical Advisory Committee
April 21, 2005

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Nanette Neelan		Jefferson County		Nneelan@jeffco.us
Tony Ogboli		City and County of Denver		Tony.ogboli@ci.denver.co.us
Wendi Palmer		Town Erie		wpalmer@ci.erie.co.us
Carol Parr		CDOT		
Mark Peterson		Larimer County		mpeterson@larimer.org
Kim Podobnik	Present	Praco	Public relations	
Gene Putman		City of Thornton		geneputman@cityofthornton.net
Scott Robson		Boulder County		Srobson@co.boulder.co.us
Randall Rutsch		City of Boulder		rutschR@ci.boulder.co.us
Matthew Seubert		City and County of Denver		Matt.seubert@ci.denver.co.us
Jeanne Shreve		Adams County		jshreve@co.adams.co.us
Jim Sidebottom		City of Ft. Lupton		cityadmin@ftri.net
Anna Smith		Town of Evans		Asmith@ci.evans.co.us
Brent Soderlin	Present	Commerce City		bsoderlin@ci.commerce-city.co.us
Sharon Sullivan		Town of Ault		Sullies@townofault.org
Bill Swenson		Transportation Comm.		billTC1@comcast.net
Ron Tausan		Town of Severance		
John Taylor		Town of Gilcrest		Gtvfsit5@aol.com

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Glenn Vaad	Present	Weld County		gvaad@co.weld.co.us
Dennis Wagner		Town of Windsor		nwensing@windsorgov.com
Rod Wensing		Town of Windsor		nwensing@windsorgov.com
Jim White	Present	Town of Berthoud		jwhite@ci.berthoud.co.us
Nick Wolfrum		City of Longmont	Public Works	Nick.wolfrum@ci.longmont.co.us
Mary Gavin		City of Dacono		Jmg1109@msn.com
Gary Johnson		Burstone		
Burt Knight		City and County of Broomfield		
Glenn Gibson		Larimer County Commissioner		
Anita Riley		Boulder		Aarley@co.boulder.co.us
Jessica Osborne	Present	Commerce City		josborne@ci.commerce-city.co.us
Chris Primus		Carter Burgess		
Kathleen Bracke	Present	Ft. Collins	Transportation Plan	kbracke@fcgov.com
Craig Gaskill	Present	Carter Burgess		Craig.gaskill@c-b.com
Juanita Nevarez	Present	City of Brighton		jnevarez@brightonco.gov
Sharleen Bakeman	Present	CDOT HQ	NEPA Prog. Manager	Sharleen.bakeman@dot.state.co.us
Jean Wallace	Present	FHWA		Jean.wallace@fhwa.dot.gov
Burt Knight	Present	City & County of Broomfield	Engineering	bknight@co.broomfield.co.us



Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Rusty McDaniel	Present	Larimer County Engineering	Engineering	rmcdaniel@larimer.org



MEETING MINUTES

Technical Advisory Committee

MEETING DATE: May 19, 2005

LOCATION: Southwest Weld County Service Complex

ATTENDEES: See Sign In Sheet

PREPARER: Felsburg Holt & Ullevig
Becky

SUMMARY OF DISCUSSION

1. *Comments on April Meeting Minutes*

- Minutes OK, no comments.

2. *Project Review/Update*

- Agency review of Purpose and Need is complete. Copies will be made available June 2, 2005.
- There are four public meetings scheduled for June. On the 14th we will be in Greeley, on the 16th we will be in Ft. Collins, on the 21st we will be in Loveland, and on the 23rd we will be in Longmont. These meeting will include the open house, and a formal presentation.
- At the previous meeting, we discussed Level 2B Highway Screening. Today we will be discussing the preliminary transit results.

3. *Preliminary Level 2B Transit Evaluation and Screening*

- Chris P. gave a review of how transit alternatives were modeled. First they coded transit alternatives into the travel demand model, and then coded stations. Assumptions for the modeling included frequent service, fast service, lots of stations, and feeder bus services to improve accessibility. All stations have Park-n-Rides.
- Ridership is the most important evaluation criteria for transit. Chris P. presented 2030 daily ridership estimates. All alternatives around 4000 passengers per day. High Speed Rail is 20% higher. Bus Rapid Transit a bit lower.
- Ridership numbers came from a multimodal travel demand model. Two models were combined NFRMPO and DRCOG. Both have recently been calibrated. This means that the existing model simulates traffic volumes and bus ridership reasonably well.
- The Travel Forecast Working Group agreed that the results are reasonable given the land use assumptions. Also they are similar to existing RTD regional routes – a few thousand people daily. Some were surprised that there was not more variation between alignments. Experts expected 35% of work trips and this is what the model showed.



MEETING MINUTES

Technical Advisory Committee
May 19, 2005
Page 2 of 9

- Model seems reasonable so let's check travel patterns in 2030. There is a big dispersal of trips. Not a predominant long pattern. Total, the northern communities generate 3500 trips to downtown Denver.

4. Peer Commuter Rail System Comparison

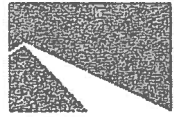
- All day – San Diego, Miami, Dallas-Forth Worth
- Peak San Jose, Seattle and DC
- Low end of ridership for comparison
- Passenger trips revenue hour is also low at 32 compared to 42 for all day since.
- FasTracks Commuter Rail Comparison
 - 2025 ridership 8k – 30k daily
- BRT Peer System
 - Freeway system/HOV lane. 10k average ridership
 - 1,000 for peak only service
 - FREX comparison – ridership is less then 500 trips per day.

5. TAFS Results Comparison

- Other data available since TAFS Census 2000, DRCOG Roadside Survey, NFR & DRCOG Household Surveys. TAFS did not have a model that covered the entire study area. TAFS had more ridership capture on southern because FasTracks was not included.
- SW Light rail projections were very low compared to actual ridership. DRCOG & RTD have worked closely with FTA to improve the model and the model ridership forecasts.
- Station boarding/activity highest at the south end (DUS).
- Feeder bus service shows high service volumes between Greeley and Loveland, and Ft. Collins, Loveland and Longmont, and Fort Lupton and Boulder.

6. Environmental Overview

- CRA and CRF have most impacts. Symbology on the graphic seems counter intuitive. Team will take another look at symbology for public. The results are a comparative assessment between alternatives.
- What goes into evaluating of Hazardous materials? Considers everything (underground storage, etc...) Almost all transit alternatives had an impact but none were significant.
- BRT cost ½ to 2/3 of commuter rail. Commuter rail is one-half the cost of High Speed Rail.
- As drawn, the alternatives should be screened out as stand alone and tested as complementary. Testing segments – how well does peak hour service work.
- Tom A. provided a Level 2 summary. Should stand alone –Stand Alone?



MEETING MINUTES

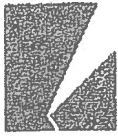
Technical Advisory Committee
May 19, 2005
Page 3 of 9

7. Next Steps

- June 2nd meeting – Southwest Weld County Services Complex
- June Public Meetings
- Level 3 Analysis

Next Meeting:

June 2, 2005
Southwest Weld County Services Building
3:00 – 5:00 PM



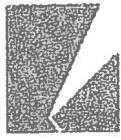
NORTH I-25
EIS

Technical Advisory Committee
May 19, 2005

SIGN-IN SHEET

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Zafar Alikan		Carter Burgess		
William Andrews		City of Greeley		andrewsb@ci.greeley.co.us
Tom Anzia	Present	FHU		Tom.anzia@fhueng.com
Heather Balsler		City of Louisville		balsrh@ci.louisville.co.us
Gary Behlen	Present	Town of Erie		Gbehlen@ci.erie.co.us
John Bramble		City of Brighton		jbramble@brightonco.gov
Charity Brockman		Town of Windsor		cbrockman@windsorgov.com
Kelly Brom		City of Evans		kbrom@ci.evans.co.us
Leslie Chadwick		PRACO	Public relations	
Greg Clements		City of Commerce City		
Steve Cook		DRCOG		scook@drcog.org
Chris Cramer		Commerce City		ccramer@ci.commerce-city.co.us
Dennis Crock		Town of Erie		dcrock@ci.erie.co.us
Dan Dennison	Present	Town of Mead	Public Works	meadtown@aol.com
David Downing		City of Westminster		ddowning@ci.westminster.co.us
Robert Edgar	Present	EPA		Edgar.robort@epa.gov
Jennifer Edwards		DRCOG	Trans Planning	jedwards@drcog.org

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Stan Elmquist	Present	CDOT		
AJ Euckert		City of Dacono		euckert@ci.dacono.co.us
Anna Fallis		Town of LaSalle		charvey@lasalletown.com
Bob Felsburg	Present	FHU		Bob.felsburg@fhueng.com
Meggan Foster		Town of Superior		megganf@townofsuperior.com
John Franklin		Town of Johnstown		jfranklin@townofjohnstown.com
Todd Frisbie	Present	FHU		Todd.frisbie@fhueng.com
Renee Galeano-Popp		CDOT		
Bob Garcia	Present	CDOT		
Phil Greenwald		City of Longmont		Phil.greenwald@ci.longmont.co.us
Bill Haas		FHWA		William.haas@fhwa.dot.gov
Tonya Haas		City and County of Broomfield		thaas@ci.broomfield.co.us
Karla Harding		CDOT		
Frank Hempen	Present	Weld County		Fhempen@co.weld.co.us
John Holdren		Town of Severance		johnholdren@earthlink.net
Martin Howell		Town of Evans		mhowell@ci.evans.co.us
Genevieve Hutchison		Regional Transportation District		
Mark Jackson		City of Ft. Collins		mjackson@fcgov.com



NORTH I-25
EIS

Technical Advisory Committee
May 19, 2005

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Michele Kayen		Adams County	Transportation	mkayen@co.ada.s.co.us
Larry Ketcham		Town of Milliken		Larry@town.milliken.co.us
Dave Klockeman	Present	City of Loveland		Klockd@ci.loveland.co.us
David Kruttsinger		RTD		David.kruttsinger@rtd-denver.com
Richard Leffler		Town of Frederick		Dleffler@frederickco.gov
Dave Lindsay		Town of Firestone		dindsay@tstinc.com
Trent Marshall		City of Northglenn		tmarshall@northglenn.org
David Martinez	Present	CDOT		
Gina McAfee	Present	Carter Burgess		mcafeev@c-b.com
Rusty McDaniel		Larimer County		rmcdaniel@larimer.org
Vicky McLane	Present	NFRMPO – Cliff Davidson		vmclane@nfrmpo.org
Joel Meggers		Town of Superior		Joelm@townofsuperior.com
Nick Meier		Town of Platteville		Nmeier@plattevillegov.org
Keith Meyers		Weld County		Kmeyer@co.weld.co.us
Holly Miller	Present	FHU		Holly.miller@fhueng.com
Clark Misner		Boulder County		Cmisner@co.boulder.co.us
Julie Morrison	Present	Carter Burgess		
Gregg Mugele		FHU		Gregg.mugele@fhueng.com



NORTH I-25
EIS

Technical Advisory Committee
May 19, 2005

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Nanette Neelan		Jefferson County		Nneelan@jeffco.us
Tony Ogboli	Present	City and County of Denver		Tony.ogboli@ci.denver.co.us
Wendi Palmer		Town Erie		wpalmer@ci.erie.co.us
Carol Parr		CDOT		
Mark Peterson		Larimer County		mpeterson@larimer.org
Kim Podobnik	Present	Praco	Public relations	
Gene Putman	Present	City of Thornton		geneputman@cityofthornton.net
Scott Robson		Boulder County		Srobson@co.boulder.co.us
Randall Rutsch		City of Boulder		rutschR@ci.boulder.co.us
Matthew Seubert		City and County of Denver		Matt.seubert@ci.denver.co.us
Jeanne Shreve		Adams County		ishreve@co.adams.co.us
Jim Sidebottom		City of Ft. Lupton		cityadmin@ftri.net
Anna Smith		Town of Evans		Asmith@ci.evans.co.us
Brent Soderlin	Present	Commerce City		bsoderlin@ci.commerce-city.co.us
Sharon Sullivan		Town of Ault		Sullies@townofault.org
Bill Swenson		Transportation Comm.		billTC1@comcast.net
Ron Tausan		Town of Severance		
John Taylor		Town of Gilcrest		Gtvfsit5@aol.com



NORTH I-25
EIS

Technical Advisory Committee
May 19, 2005

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Glenn Vaad	Present	Weld County		gvaad@co.weld.co.us
Dennis Wagner		Town of Windsor		rwensing@windsorgov.com
Rod Wensing		Town of Windsor		rwensing@windsorgov.com
Jim White		Town of Berthoud		jwhite@ci.berthoud.co.us
Nick Wolfrum		City of Longmont	Public Works	Nick.wolfrum@ci.longmont.co.us
Mary Gavin		City of Dacono		Jmg1109@msn.com
Gary Johnson		Burlstone		
Burt Knight	Present	City and County of Broomfield		
Glenn Gibson		Larimer County Commissioner		
Anita Riley		Boulder		Aariley@co.boulder.co.us
Jessica Osborne		Commerce City		josborne@ci.commerce-city.co.us
Chris Primus	Present	Carter Burgess		
Kathleen Bracke	Present	Ft. Collins	Transportation Plan	kbracke@fcgov.com
Craig Gaskill		Carter Burgess		Craig.gaskill@c-b.com
Juanita Nevarez		City of Brighton		jnevarez@brightonco.gov
Sharleen Bakeman		CDOT HQ	NEPA Prog. Manager	Sharleen.bakeman@dot.state.co.us
Jean Wallace		FHWA		Jean.wallace@fhwa.dot.gov
Burt Knight		City & County of Broomfield	Engineering	bknight@co.broomfield.co.us



NORTH I-25 EIS

Technical Advisory Committee
May 19, 2005

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Rusty McDaniel		Larimer County Engineering	Engineering	rmcdaniel@larimer.org
Jennifer Heisler	Present	Carter Burgess		
Wayne Reed	Present	Town of Berthoud		
Jean Wallace	Present	FHWA		

MEETING MINUTES

Technical Advisory Committee

MEETING DATE: June 2, 2005

LOCATION: Southwest Weld County Service Complex

ATTENDEES: See Sign In Sheet

PREPARER: Felsburg Holt & Ullevig
Becky

COMMENTS RECORDED AT THE TAC/RCC OPEN HOUSE STYLE MEETING

1. **Level 2 Grading Results (LAL)**
 - "Could an image of what the "limited Access Lane" looks like be added?"
 - "Unlike Transit Highway boards don't have advantage/disadvantages under "notes""

2. **Level 2 Grading Results (CM)**
 - "Could Congestion Management" be defined?"
 - "Add definition next to icons"
 - "Define the different CM strategies"

 - Correct spelling of "improvement" in the GREEN Report Card Box

3. **Level 2 Grading Results (ML)**
 - "Clarification between Alt A/B and Alt D/E"

 - Add "potential" to green report card box "Low impact/Potential"....

4. **Level 2 Grading Results (ML)**
 - "Make alternative # more prominent (all boards)"
 - "Define acronyms (all boards)"
 - Green report card box: Why "More" when all other Alternatives show "Low Potential??" (last two lines)
 - "Do we need to label these?" circled 119 area on map

5. **Level 2 grading results (AL)**
 - Blue report card box:
 - "Does not divert....." SIC (delete)
 - "Add comment similar to B about capacity)

6. **Level 2 Grading Results (NA)**



MEETING MINUTES

6/2
Technical Advisory Committee
May 19, 2005
Page 2 of 12

"CR13 is now continuous from E470 to HWY 14. How does this lend to the "most potential to impact for inland hazardous material & land use" statement?

7. Level 2 Grading results

New Highways

"Your graphic is misaligned – it doesn't show mead in the right spot. This may be true for the entire exhibit – check _"

Remove the comma from the first bullet on the red report card box

8. Level 2 Grading Results (UC)

"Define Expressway * Freeway (or have staff nearby that can)"

Correct spelling of "Wetlands" in blue report card box

9. Screening of key environmental factors (for BRT)

"BRTB good"

"Add small note to all "screening of Key Environmental fact (see measurement used board) or flip chart nearby"

In legend box (neutral) for "Needs improvement"

10. Level 2 Grading definitions

"Need criteria explanation, 3 major criteria of 1) Purpose & Need such as 2) Practicability such as..... and 3) environment such as

"Consider 8 1/2x 11 handouts of Level 2 grading definitions for public to carry around as they review grading results put screening process on back"

"It would be helpful to call out in a smaller box that the color here matches the alternatives color"

2nd bullets "if this is true, why are there no "s" ratings?"

6th bullet "change to "determined that the alternative is too costly, doesn't serve a significant number of travelers, or has the **most comparative potential for environmental impacts.**"

Move the "Unsatisfactory" label UP

11. Practicability Screening Information

"Consistency – All to 1 decimal or all rounded to nearest integer"

"BRT makes better sense"

"How do CR and BRT M&O costs compare to M&O for highway lanes?"



MEETING MINUTES

Technical Advisory Committee

6/2 ~~May 10~~, 2005

Page 3 of 12

Last bullet ad "commuter rail" after 90% of.....

12. Screening of Key Environmental Factors (for CR)

"CRB better service >>>>>>>>>>>>>>>>???"

"CRG has no community impacts?"

"Add note about difference in noise impacts w/different technologies"

In legend add (neutral)

13. Purpose and Need screening information

"Need to add comment regarding trips to north metro area – outside Denver ->these trips need to be clarified?"

"High" confusing"

"Long trips – is the lack"

"Switch background to major highways"

"4,000 trips per day"

In legend box: correct spelling of Then to than

14. Project Purpose

Make so reads PROJECT PURPOSE AND NEEDS

15. Purpose & need and Practicability Evaluation (Mobility Continued)

"Add #'s and from where to where"

"Boldface "Travel Time"

"May want to consider shorter limit to better show travel time improvements"

First section: Add 2030 to NB PM Peak travel.

Second Section: define "best and worst" rating (Best most infrastructure improvements)
Worst (few infrastructure replacements)

Yellow 6 Gen purpose lanes?? (SH 66 to SH1)

Third Section: is this in today dollars?

16. Purpose & Need and practicability Evaluation

"Where to where"

"By facility Type (not project specific)"

"Average"

"Does this conflict with chart"

"Add HOT/TOLL, 4 Lanes Look"

"HOT or GP"



MEETING MINUTES

Technical Advisory Committee

May 19, 2005

Page 4 of 12

17. Wetlands and threatened & endangered species

"There is surely much more wetland in this study area than shown. Are you sure? Otherwise, clarify what type of mapped wetlands you are depicting"

"Note: Wetland locations do not depict size or configuration of wetlands just location"
Preble's not Prebles

18. Existing Land Use and Community Facilities

"PVH Trauma Center/Hospital on its way up at I-25/Hwy 34 interchange – NW# corner of Interchange"

"On all of these boards – Frederick is located between Dacono and Firestone. CR20.5 is the northern boundary of Frederick."

"New Avista Hospital on 287 @ Hwy 42 in Lafayette"

19. Farmland

"Place all environmental boards in flip charts – too much information"

20. LEVEL 2 GRADING RESULTS (BRT)

"Clarification does "u" mean it won't be evaluated as complementary either? (As per the definition?)"

"Need legend for red lines"

21. Future Generalized Land Use

"Future Post 2030 Generalized Land Use (as illustrated on comprehensive plans)"

"The area to the NW of the intersection of I-25 & Hwy 52 shouldn't show residential for at least 2 miles west of I-25. Land use Plan is being revised"

"Where are the 18,000 residential units (40,000 people) approved or nearing approval in SW Weld County east of Mead? They should be factored into the population estimates"

Correct spelling of Clarion in the legend

22. Low Income Populations

"Transit and hwy are focus of meeting. The environmental info is good, but it's overwhelming can it go into flipchart?"

"Some maps have shaded/fuzzy stud are boundary, others have distinct line, need consistency"

"Ft. Lupton not low income"

23. AIR QUALITY CLASSIFICATIONS

I'm planning for the next 3-+ years, the "big picture" must be considered in terms of "air quality". Rocky Mountain National Park as well as other parts of the state is experiencing rising ozone levels – nitrogen deposition – due in part to tail pipe emissions"

24. Screening of Key Environmental Factors

"Why mixed results (some are unsatisfactory) for AQ?"



MEETING MINUTES

Technical Advisory Committee

6/2 ~~May 19,~~ 2005

Page 5 of 12

#44B widen to TWO LANES
#44C widen to EIGHT LANES
Air quality legend: (relates to total vehicle travel)
Legend box (neutral) under NI

25. Screening of Key Environmental Factors (for Managed Lanes)

#46A converts one lane
#42B add one lane
#46D add one lane
#46E add two lanes
#46G move to another board
Legend Box – (Neutral) under NI

26. Screening of Key Environmental Factors (Managed Lanes and upgraded classification)

#46H This board should have G,H, I, J, K add one more lane
#46I add tow more lanes
Box around eagle should be green
#39D put on separate board
(Neutral) under NI

Comment by Todd F: Why do H & I have the same environmental impact when I have more lanes? Compare to A and B and D and E where there is an additional lanes and more environmental impact?

27. NEXT STEPS: DEVELOP PACKAGES OF ALTERNATIVES

Under step 2

Add illustrative over all packages
"Are these 3 the only "packages" (combinations) permitted? Or are these only illustrative examples of packages (clarify)?"

Correct spelling of practicability
Remove screening and add detailed evaluation

28. Level 2 Grading Results BRT

"Low ridership is not really compared to other transit alternatives....compared to what?
_____ systems?"

"Consistency: "notes" vs. "Advantages/disadvantages"

Orange report card box (add (except for section in Ft. Collins) after *
Green report card box add bullet "Right of way available along Mason Corridor in Ft. Collins"



MEETING MINUTES

Technical Advisory Committee

6/2 ~~May 19~~, 2005

Page 6 of 12

29. Level 2 Grading Results HSR

Blue report card box – delete and hazardous materials

Orange Report card box – delete and hazardous materials

30. Screening of Key Environmental Factors (For LR and HSR)

“LRT better for tri _____”

HSRB would be too costly _____”

31. Level 2 Grading Results CR

“Low ridership is not really compared to other transit alts compared to what?” Peer Systems”

Purple is too close color to blue..use different

“Line G south to include connection to airport”

Pink report card box – delete 4th bullet and 7th bullet, add bullet connects to corridor preservation for FasTracks”

32. Level 2 Grading Results CR

“All rail alts”

“Can we show % active freight rail % inactive % hwy alignment % percent other?”

“Low ridership is not really compared to other transit.”

“Compared to what?”

“Peer systems”

33. C advantage

“Partially utilized existing rail corridor that can be re-activated”

“Should explore what is meant by “mix of transit needs””

“Comment on “C” could also apply A& B”

34. Level 2 Grading Results Light Rail

“Low ridership is peer based not based on other alts”

“Move light rail after commuter rail (put positive first)”

SIGN-IN SHEET

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Zafar Alikan		Carter Burgess		
William Andrews		City of Greeley		andrewsb@ci.greeley.co.us
Tom Anzia		FHU		Tom.anzia@fhueng.com
Heather Balsler		City of Louisville		balsersh@ci.louisville.co.us
Gary Behlen		Town of Erie		Gbehlen@ci.erie.co.us
John Bramble	Present	City of Brighton		jbramble@brightonco.gov
Charity Brockman		Town of Windsor		cbrockman@windsorgov.com
Kelly Brom		City of Evans		kbrom@ci.evans.co.us
Leslie Chadwick		PRACO	Public relations	
Greg Clements		City of Commerce City		
Steve Cook		DRCOG		scook@drcog.org
Chris Cramer		Commerce City		ccramer@ci.commerce-city.co.us
Dennis Crock		Town of Erie		dcrock@ci.erie.co.us
Mike Friesen	Present	Town Manager	Public Works	meadtown@aol.com
David Downing		City of Westminster		ddowning@ci.westminster.co.us
Robert Edgar		EPA		Edgar.robert@epa.gov
Jennifer Edwards		DRCOG	Trans Planning	jedwards@drcog.org

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Stan Elmquist		CDOT		
AJ Euckert		City of Dacono		euckert@ci.dacono.co.us
Anna Fallis		Town of LaSalle		charvey@lasalletown.com
Bob Felsburg		FHU		Bob.felsburg@fhueng.com
Meggan Foster		Town of Superior		megganf@townofsuperior.com
John Franklin		Town of Johnstown		jfranklin@townofjohnstown.com
Todd Frisbee		FHU		Todd.frisbie@fhueng.com
Renee Galeano-Popp		CDOT		
Bob Garcia		CDOT		
Phil Greenwald		City of Longmont		Phil.greenwald@ci.longmont.co.us
Bill Haas		FHWA		William.haas@fhwa.dot.gov
Tonya Haas		City and County of Broomfield		thaas@ci.broomfield.co.us
Karla Harding		CDOT		
Frank Hempen		Weld County		Fhempen@co.weld.co.us
John Holdren		Town of Severance		johncholdren@earthlink.net
Martin Howell		Town of Evans		mhowell@ci.evans.co.us
Genevieve Hutchison		Regional Transportation District		
Mark Jackson		City of Ft. Collins		mjackson@fcgov.com

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Michele Kayen		Adams County	Transportation	mkayen@co.ada.s.co.us
Larry Ketcham		Town of Milliken		Larry@town.milliken.co.us
Dave Klockeman	Present	City of Loveland		Klockd@ci.loveland.co.us
David Krutsinger		RTD		David.krutsinger@rtd-denver.com
Richard Loeffler	Present	Town of Frederick		Dloffler@frederickco.gov
Dave Lindsay		Town of Firestone		dlindsay@tstinc.com
Trent Marshall		City of Northglenn		tmarshall@northglenn.org
David Martinez		CDOT		
Gina McAfee		Carter Burgess		mcafeevl@c-b.com
Rusty McDaniel	Present	Larimer County		rmcdaniel@larimer.org
Vicky McLane		NFRMPO – Cliff Davidson		vmclane@nfrmpo.org
Joel Meggers		Town of Superior		JoelM@townofsuperior.com
Nick Meier		Town of Platteville		Nmeier@plattevillegov.org
Keith Meyers		Weld County		Kmeyer@co.weld.co.us
Holly Miller		FHU		Holly.miller@fhueng.com
Clark Misner		Boulder County		Cmisner@co.boulder.co.us
Julie Morrison		Carter Burgess		
Gregg Mugele	Present	FHU		Gregg.mugele@fhueng.com

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Nanette Neelan		Jefferson County		Nneelan@jeffco.us
Tony Ogboli		City and County of Denver		Tony.ogboli@ci.denver.co.us
Wendi Palmer		Town Erie		wpalmer@ci.erie.co.us
Caról Parr		CDOT		
Mark Peterson		Larimer County		mpeterson@larimer.org
Kim Podobnik	Present	Praco	Public relations	
Gene Putman	Present	City of Thornton		geneputman@cityofthornton.net
Anita Riley	Present	Boulder County		Srobson@co.boulder.co.us
Randall Rutsch		City of Boulder		rutschR@ci.boulder.co.us
Matthew Seubert		City and County of Denver		Matt.seubert@ci.denver.co.us
Jeanne Shreve	Present	Adams County		ishreve@co.adams.co.us
Jim Sidebottom	Present	City of Ft. Lupton		cityadmin@ftrii.net
Anna Smith		Town of Evans		Asmith@ci.evans.co.us
Brent Soderlin		Commerce City		bsoderlin@ci.commerce-city.co.us
Sharon Sullivan		Town of Ault		Sullies@townofault.org
Bill Swenson	Present	Transportation Comm.		billTC1@comcast.net
Ron Tausan		Town of Severance		
John Taylor		Town of Gilcrest		Gtvfsjt5@aol.com

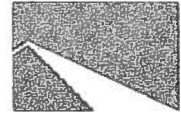


NORTH I-25 EIS

Technical Advisory Committee
May 4th, 2005

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Glenn Vaad		Weld County		gvaad@co.weld.co.us
Dennis Wagner		Town of Windsor		rwensing@windsorgov.com
Rod Wensing		Town of Windsor		rwensing@windsorgov.com
Jim White		Town of Berthoud		jwhite@ci.berthoud.co.us
Nick Wolfrum		City of Longmont	Public Works	Nick.wolfrum@ci.longmont.co.us
Mary Gavin	Present	City of Dacono		jmg1109@msn.com
Gary Johnson		Burlistone		
Burt Knight		City and County of Broomfield		
Glenn Gibson		Larimer County Commissioner		
Anita Riley		Boulder		Aariley@co.boulder.co.us
Jessica Osborne		Commerce City		josborne@ci.commerce-city.co.us
Chris Primus		Carter Burgess		
Kathleen Bracke	Present	Ft. Collins	Transportation Plan	kbracke@fcgov.com
Craig Gaskill		Carter Burgess		Craig.gaskill@c-b.com
Juanita Nevarez	Present	City of Brighton		jnevarez@brightonco.gov
Sharleen Bakeman	Present	CDOT HQ	NEPA Prog. Manager	Sharleen.bakeman@dot.state.co.us
Jean Wallace		FHWA		Jean.wallace@fhwa.dot.gov
Burt Knight		City & County of Broomfield	Engineering	bknight@co.broomfield.co.us

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Rusty McDaniel		Larimer County Engineering	Engineering	rmcdaniel@larimer.org
Jennifer Heisler		Carter Burgess		
Wayne Reed		Town of Berthoud		
Jean Wallace		FHWA		
Don Feldhaus	Present	City of Greeley		Donfeld7@cs.com
David Norcross	Present	City of Ft. Lupton		cityclerk@ftril.net
Bob Briggs		Front Range Commuter Rail		Bob.briggs@comcast.net



MEETING MINUTES

Technical Advisory Committee

MEETING DATE: July 21, 2005

LOCATION: Southwest Weld County Service Complex

ATTENDEES: See Sign In Sheet

PREPARER: Felsburg Holt & Ullevig
Becky Noe

SUMMARY OF DISCUSSION

Introductions

1. Schedule

- Now in Level 3 of Alternative Screening.
- Start DEIS next year.

2. Comments Received at June Open Houses

- Leslie C. – Summary of Open House Comments and Small Group comments received since February.
- Concern with travel to DIA.
- Greeley concern with US 85.
- Connecting bus service.
- Results of Household Survey.
- 18 Small Group meetings since February.
- 4 Open House Public meetings were successful.
- Contact Leslie C. (PRACO) with requests for future Small Group meetings.

3. Household Survey Results

- Response rate of 33% was very good.
- Learned a lot about special purpose trips on I-25.
- Synopsis of results was presented.
- Analysis is on-going.
- Results will be incorporated into Level 3 Travel Forecasts.

4. Purpose and Need

- June 14 draft chapter of the Purpose and Need was distributed for review.

5. Packaging/Level 3 Process

- After the packages have been revised in response to TAC comments, they will be mailed to the RCC.

MEETING MINUTES

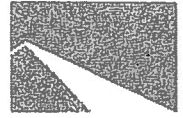
Technical Advisory Committee
May 19, 2005
Page 2 of 9

6. Preliminary Packages

- Holly M. presented a comparison of capacity that various alternative types would provide, and then presented the 10 preliminary packages. Julie M. added that highway alternatives were used as building blocks for the packages.
- Examples of queue jumps for buses in other American cities will be included in the updated package.
- Station locations in Longmont are being coordinated with alternatives in the US 36 DEIS.

7. Question & Answers:

- Have you considered an alternative with bus service from I-25 to DIA?
 - We will test I-25 bus service into DUS and also via E-470 to DIA.
- Why no commuter rail along US 85?
 - That was screened out as infeasible due to limited rail line capacity (now has over 28 trains a day), and also due to less demand (fewer population/employment centers).
- May consider a scenario if freight travel is moved to the east. However, for UP the line would still be a valuable.
- Comment: Investigate this further since CDOT has expressed interest in the concept.
 - We will
- Comment: Try Package 5 with HOV.
 - We will.
- Must HOV be all or nothing with regards to having to go all the way to SH14? Why not take HOV north to SH 66 and then 6 General Purpose lanes north to SH 14, with parallel arterials between SH 66 to SH14?
- Why did you pick congestion (unmet demand) as the criterion for comparison? You should have other graphics for other criteria.
 - Agreed. What was presented is an example application of one criterion. It is not the evaluation of the packages, only the methodology for developing packages.
- Suggested that a chart be created for each purpose and need category.
- Suggestion that color-coding of improvement types be consistent for all packages.
- Package 7 modification:
 - "Limited Bus Service" on US 287. Central Commuter Rail, Bus Service to SH 119. Take HOV all the way down. Take limited bus service out of Greeley in Package 5.
 - This alternative would allow bus service to develop the patronage, and then expand to rail when demand is there.
- Is only providing a regional bus and nothing else enough transit? How do Packages 1 and 4 meet the Purpose and Need?
- Comment: Recommend replacing BRT with limited bus south to SH 119, with bus options to Longmont and Denver.
 - This suggestion prompts the issue of project Purpose and Need. This will be further investigated.
- Comment: The feeder bus system is not represented by any lines in the package graphics.
- Is the project team receptive to the sub-alternative suggestions, such as a 7A?



MEETING MINUTES

Technical Advisory Committee
May 19, 2005
Page 3 of 9

- Yes
- As part of the next step, reapply Level 2 data to these packages.
 - We can do sensitivity tests, for example, "What happens when....?"
- The TAC was asked if these 10 packages are close to addressing the full range of options. The consensus was that 4-7 packages would be a reasonable range..
- What filter are we using to get from 10 alternatives to 4, 6, or 8?
 - We will complete the Value Engineering session and based on that input, and then assemble a new set of packages for TAC consideration in August.

8. Action Items

- Send Toni Ogboli (CCD) an e-copy of the Small Groups Presentation.

Next Meeting:

Thursday August 18, 2005
Southwest Weld County Services Building
1:30 – 3:00 PM

SIGN-IN SHEET

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Zafar Alikan		Carter Burgess		
William Andrews		City of Greeley		andrewsb@ci.greeley.co.us
Tom Anzia	Present	FHU		Tom.anzia@fhueng.com
Heather Balsler		City of Louisville		balslerh@ci.louisville.co.us
Gary Behlen	Present	Town of Erie		Gbehlen@ci.erie.co.us
John Bramble		City of Brighton		jbramble@brightonco.gov
Charity Brockman		Town of Windsor		cbrockman@windsorgov.com
Kelly Brom		City of Evans		kbrom@ci.evans.co.us
Leslie Chadwick		PRACO	Public relations	
Greg Clements		City of Commerce City		
Steve Cook		DRCOG		scook@drcoog.org
Chris Cramer		Commerce City		ccramer@ci.commerce-city.co.us
Dennis Crock		Town of Erie		dcrock@ci.erie.co.us
Dan Dennison		Town of Mead	Public Works	meadtown@aol.com
David Downing		City of Westminster		d Downing@ci.westminster.co.us
Robert Edgar		EPA		Edgar.robert@epa.gov
Jennifer Edwards		DRCOG	Trans Planning	jedwards@drcoog.org



NORTH I-25
EIS

Technical Advisory Committee
May 19, 2005

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Stan Elmquist	Present	CDOT		
AJ Euckert		City of Dacono		euckert@ci.dacono.co.us
Anna Fallis		Town of LaSalle		charvey@lasalletown.com
Bob Felsburg	Present	FHU		Bob.felsburg@fhueng.com
Meggan Foster		Town of Superior		megganf@townofsuperior.com
John Franklin	Present	Town of Johnstown		jfranklin@townofjohnstown.com
Todd Frisbie	Present	FHU		Todd.frisbie@fhueng.com
Renee Galeano-Popp		CDOT		
Bob Garcia		CDOT		
Phil Greenwald		City of Longmont		Phil.greenwald@ci.longmont.co.us
Bill Haas		FHWA		William.haas@fhwa.dot.gov
Tonya Haas		City and County of Broomfield		thaas@ci.broomfield.co.us
Karla Harding		CDOT		
Frank Hempen		Weld County		Fhempen@co.weld.co.us
John Holdren		Town of Severance		johnholdren@earthlink.net
Genevieve Hutchison		Regional Transportation District		
Mark Jackson		City of Ft. Collins		mjackson@fcgov.com
Michele Kayen	Present	Adams County	Transportation	mkayen@co.ada.s.co.us

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Larry Ketcham		Town of Milliken		Larry@town.milliken.co.us
Dave Klockeman	Present	City of Loveland		Klockd@ci.loveland.co.us
David Kruttsinger		RTD		David.kruttsinger@rtd-denver.com
Richard Leffler		Town of Frederick		Dleffler@frederickco.gov
Trent Marshall		City of Northglenn		tmarshall@northglenn.org
David Martinez	Present	CDOT		
Gina McAfee		Carter Burgess		mcafeevl@c-b.com
Rusty McDaniel		Larimer County		rmdaniel@larimer.org
Vicky McLane	Present	NFRMPO – Cliff Davidson		vmclane@nfrmpo.org
Joel Meggers		Town of Superior		Joelm@townofsuperior.com
Nick Meier		Town of Platteville		Nmeier@plattevillegov.org
Keith Meyers		Weld County		Kmeyer@co.weld.co.us
Holly Miller	Present	FHU		Holly.miller@fhueng.com
Clark Misner		Boulder County		Cmisner@co.boulder.co.us
Julie Morrison	Present	Carter Burgess		
Gregg Mugele	Present	FHU		Gregg.mugele@fhueng.com
Nanette Neelan		Jefferson County		Nneelan@jeffco.us
Tony Ogboli	Present	City and County of Denver		Tony.ogboli@ci.denver.co.us

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Wendi Palmer		Town Erie		wpalmer@ci.erie.co.us
Carol Parr		CDOT		
Mark Peterson		Larimer County		mpeterson@larimer.org
Kim Podobnik		Praco	Public relations	
Gene Putman	Present	City of Thornton		geneputman@cityofthornton.net
Scott Robson		Boulder County		Srobson@co.boulder.co.us
Randall Rutsch		City of Boulder		rutschR@ci.boulder.co.us
Matthew Seubert		City and County of Denver		Matt.seubert@ci.denver.co.us
Jeanne Shreve	Present	Adams County		jshreve@co.adams.co.us
Jim Sidebottom		City of Ft. Lupton		cityadmin@ftri.net
Anna Smith		Town of Evans		Asmith@ci.evans.co.us
Brent Soderlin		Commerce City		bsoderlin@ci.commerce-city.co.us
Sharon Sullivan		Town of Ault		Sullies@townofault.org
Bill Swenson		Transportation Comm.		billTC1@comcast.net
Ron Tausan		Town of Severance		
John Taylor		Town of Gilcrest		Gtvfsit5@aol.com
Glenn Vaad		Weld County		gvaad@co.weld.co.us
Dennis Wagner		Town of Windsor		rwensing@windsorgov.com

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Rod Wensing		Town of Windsor		nwensing@windsorgov.com
Jim White		Town of Berthoud		jwhite@ci.berthoud.co.us
Nick Wolfrum	Present Joe Olson	City of Longmont	Public Works	Nick.wolfrum@ci.longmont.co.us
Mary Gavin		City of Dacono		Jmq1109@msn.com
Gary Johnson		Burstone		
Burt Knight		City and County of Broomfield		
Glenn Gibson		Larimer County Commissioner		
Anita Riley		Boulder		Aariley@co.boulder.co.us
Jessica Osborne		Commerce City		josborne@ci.commerce-city.co.us
Chris Primus	Present	Carter Burgess		
Kathleen Bracke	Present	Ft. Collins	Transportation Plan	kbracke@fcgov.com
Craig Gaskill		Carter Burgess		Craig.gaskill@c-b.com
Juanita Nevarez	Present	City of Brighton		jnevarez@brightonco.gov
Sharleen Bakeman	Present	CDOT HQ	NEPA Prog. Manager	Sharleen.bakeman@dot.state.co.us
Jean Wallace		FHWA		Jean.wallace@fhwa.dot.gov
Burt Knight		City & County of Broomfield	Engineering	bknight@co.broomfield.co.us
Jennifer Heisler		Carter Burgess		
Wayne Reed		Town of Berthoud		



NORTH I-25
EIS

Technical Advisory Committee
May 19, 2005

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Jean Wallace		FHWA		
Todd Rand	<i>Present</i>	Town of Firestone	Engineering	trand@tstinc.com
Holly Thornton	<i>Present</i>	PRACO		holly@PRACO.com



MEETING MINUTES

Technical Advisory Committee

MEETING DATE: August 18, 2005

LOCATION: Southwest Weld County Service Complex

ATTENDEES: See Sign In Sheet

PREPARER: Felsburg Holt & Ullevig
Becky Noe/Gregg Mugele

SUMMARY OF DISCUSSION

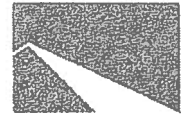
1. *Introductions*

2. *July Meeting Follow-Up*

- Craig G. (Carter Burgess) explained the ways to use Queue jumps/Transit signal priority to improve bus travel times on highways like US 85 and US 287.
- Gene P. remarked on the importance of getting buses in and out of traffic lanes so that roadway capacity is not reduced.
- Craig G. explained the Freight Rail Relocation concept studied by CDOT: 96 miles of new rail from Cheyenne to south of Pueblo, far east of I-25.
- 50% decrease in number of freight trains on UPRR, from 19 to 9 per day.
- CDOT study did not draw a clear conclusion on the benefit of CDOT financial participation in the freight relocation.

3. *Packaging Updates*

- A Value Engineering process was conducted to provide a fresh look at potential alternatives for the Draft EIS. Copies of the Final Value Engineering report will be available at next meeting for anyone interested in the details.
- Value Engineering proposals have identified key elements for consideration: auxiliary lanes, multimodal transfer centers, clarifications for Purpose & Need, funding and constructability.
- The number of packaged alternatives for Level 3 Screening has been reduced from 10 to 8.
- Holly M. and Julie M. presented the 8 alternatives. Descriptions of each have been added on the back of each graphic.
- Different types of Congestion Management measures would be provided on I-25 and "Throughout the study area."
- Changes to the packages presented at last month's meeting include:
 - Package 1 now extends bus service into Ft. Collins
 - 1. A suggestion was made to inter-line this with existing bus service.



MEETING MINUTES

Technical Advisory Committee
August 18, 2005
Page 2 of 10

2. The intention in Level 3 is to test ways to increase ridership
3. A suggestion was made to present the text where it could be read at the same time as viewing the Package map.
 - Package 2: Two Toll lanes with Commuter Bus
 1. Gene P. would like to see the spur to DIA extended west beyond US 85 to I-25.
 - Package 3 now has BRT service in the bus lane
 1. It should be noted on the map that BRT would only operate along I-25
 - Package 4 has commuter bus service in general purpose lanes on I-25, with A-B service to DIA-DUS.
 - Package 5 consolidates HOT, HOV, BRT into a single type of Managed Lanes
 1. For consistency, show "Add 2 GP lanes" (north of 66) instead of "Six GP Lanes".
 2. The northern terminus of Managed Lanes, SH 68 or SH 14, should be determined by the projected traffic volumes.
 3. A BRT route to DIA is not yet shown, but could be added if it tests well.
 - Package 6: 6 GP and Central Commuter Rail
 1. Will test the value of a rail connection between North Metro Line and Longmont.
 2. Phasing of transit implementation will not be analyzed until the FEIS.
 - Package 7: 6 GP + West C. Rail (along US 287)
 - Package 8: Transit provided alone all corridors
 1. Feeder routes between Ft. Collins, Loveland, and Greeley are not shown because they are not capital improvements.
 2. A suggestion was accepted to add dashed lines on the maps to illustrate connectivity of the transit alternatives.

4. Transit Stations

- Julie M. presented the site maps that show the ½-mile radii for potential station locations, and the station site criteria and design criteria.
- There will be 3 station types: Neighborhood, Park-N-Ride, and Transit Center. Most will be new Park-N-Rides.
- Station locations may be shifted during Level 3 analysis, but the number of stations will likely remain constant.
- A station at I-25/SH 60 should be considered.
- A station near SH 7 or E-470 should be considered.
- Add FasTracks stations for North Metro line to the "BRT Commuter Bus" map.
- Julie M. will send TAC members the size characteristics for stations shown on handouts.

5. Transit Station Working Groups

- Kim P. presented the handout, which proposes four geographic working groups.
- The role of the groups is advisory. They will meet every other month from October 2005 to April 2006.



MEETING MINUTES

Technical Advisory Committee
August 18, 2005
Page 3 of 10

- Membership on the working groups is open: TAC/RCC members are welcome; residents can volunteer or be recommended by TAC, CDOT, or the Project Team.

6. *Transit Funding Concepts*

- Gina M. presented six possible sources of transit funding.
 - Formation of a Regional Transit Authority (like RTD, collects sales tax)
 - RTD's district could be expanded to portions of our study area
 - RTD could, through a single private contractor, Design, Build, Operate and Maintain new facilities, to provide service further north.
 - Joint Powers Authority – government entities could form a separate board (like BART in San Francisco)
 - Transit Development Board could be created– as has been done in San Diego
 - CDOT could fund and operate new transit service

7. *Other Matters*

- Holly M. presented the “Level 3 Alternatives Development Analysis Matrix”
- Different packages will answer various questions on which types of improvements will operate best

Next Meeting:

Thursday, September 15, 2005
Southwest Weld County Services Building
1:30 – 3:00 PM

Topics:

- Refinement of alternative packages
- Interchanges



NORTH I-25
EIS

Technical Advisory Committee
August 18, 2005

SIGN-IN SHEET

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Zafar Alikan		Carter Burgess		
William Andrews	Present	City of Greeley		andrewsb@ci.greeley.co.us
Tom Anzia	Present	FHU		Tom.anzia@fnueng.com
Sharleen Bakeman		CDOT HQ	NEPA Program Mgr	Sharleen.bakeman@dot.state.co.us
Heather Balsler		City of Louisville		balslerh@ci.louisville.co.us
Gary Behlen		Town of Erie		Gbehlen@ci.erie.co.us
Kathleen Bracke		Ft. Collins	Transportation Plan	kbracke@fcgov.com
John Bramble		City of Brighton		jbramble@brightonco.gov
Charity Brockman		Town of Windsor		cbrockman@windsorgov.com
Kelly Brom		City of Evans		kbrom@ci.evans.co.us
Leslie Chadwick	Present	PRACO	Public relations	
Greg Clements		City of Commerce City		
Steve Cook		DRCOG		scook@drcog.org
Chris Cramer		Commerce City		ccramer@ci.commerce-city.co.us
Dennis Crock		Town of Erie		dcrock@ci.erie.co.us
Dan Dennison		Town of Mead	Public Works	meadtown@aol.com
David Downing		City of Westminster		ddowning@ci.westminster.co.us

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Robert Edgar	Present	EPA		Edgar.robert@epa.gov
Jennifer Edwards		DRCOG	Trans Planning	jedwards@drcog.org
Stan Elmquist		CDOT		
AJ Euckert		City of Dacono		euckert@ci.dacono.co.us
Anna Fallis		Town of LaSalle		charvey@lasalletown.com
Bob Felsburg	Present	FHU		Bob.felsburg@fhueng.com
Meggan Foster		Town of Superior		megganf@townofsuperior.com
John Franklin		Town of Johnstown		jfranklin@townofjohnstown.com
Todd Frisbie	Present	FHU		Todd.frisbie@fhueng.com
Renee Galeano-Popp		CDOT		
Bob Garcia	Present	CDOT		
Craig Gaskill	Present	Carter Burgess		Craig.gaskill@c-b.com
Mary Gavin		City of Dacono		Jmg1109@msn.com
Glenn Gibson		Larimer County Commissioner		
Andres Gomez	Present	North Front Range MPO	Travel Model Develop.	agomez@nfrmpo.org
Phil Greenwald		City of Longmont		Phil.greenwald@ci.longmont.co.us
Bill Haas		FHWA		William.haas@fhwa.dot.gov
Tonya Haas		City and County of Broomfield		thaas@ci.broomfield.co.us

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Karla Harding		CDOT		
Frank Hempen	Present	Weld County		Fhempen@co.weld.co.us
John Holdren		Town of Severance		johnholdren@earthlink.net
Genevieve Hutchison		Regional Transportation District		
Mark Jackson	Present	City of Ft. Collins		mjackson@fcgov.com
Gary Johnson	Present	Burlstone		
Michele Kayen	Present	Adams County	Transportation	mkayen@co.ada.s.co.us
Larry Ketcham		Town of Milliken		Larry@town.milliken.co.us
Dave Klockeman	Present	City of Loveland		Klockd@ci.loveland.co.us
Burt Knight		City & County of Broomfield		
David Kruttsinger		RTD		David.kruttsinger@rtd-denver.com
Richard Leffler		Town of Frederick		Dleffler@frederickco.gov
Trent Marshall		City of Northglenn		tmarshall@northglenn.org
David Martinez	Present	CDOT		
Gina McAfee	Present	Carter Burgess		mcafeevl@c-b.com
Rusty McDaniel		Larimer County		rmcdaniel@larimer.org
Vicky McLane		NFRMPO – Cliff Davidson		vmclane@nfrmpo.org
Joel Meggers		Town of Superior		Joelm@townofsuperior.com



NORTH I-25 EIS

Technical Advisory Committee
August 18, 2005

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Nick Meier		Town of Platteville		Nmeier@plattevillegov.org
Keith Meyer		Weld County		Kmeyer@co.weld.co.us
Holly Miller	Present	FHU		Holly.miller@fhueng.com
Clark Misner		Boulder County		Cmisner@co.boulder.co.us
Julie Morrison	Present	Carter Burgess		
Gregg Mugele	Present	FHU		Gregg.mugele@fhueng.com
Juanita Nevarez	Present	City of Brighton		jnevarez@brightonco.gov
Nanette Neelan		Jefferson County		Nneelan@jeffco.us
Tony Ogboli	Present	City and County of Denver		Tony.ogboli@ci.denver.co.us
Steve Olson	Present	CDOT		Michael.olson@dot.state.co.us
Jessica Osborne		Commerce City		josborne@ci.commerce-city.co.us
Wendi Palmer		Town Erie		wpalmer@ci.erie.co.us
Carol Parr		CDOT		
Mark Peterson		Larimer County		mpeterson@larimer.org
Kim Podobnik	Present	Praco	Public relations	
Chris Primus		Carter Burgess		chris@c-b.com
Gene Putman	Present	City of Thornton		geneputman@cityoff Thornton.net
Anita Riley	Present	Boulder County		aariley@co.boulder.co.us



NORTH I-25
EIS

Technical Advisory Committee
August 18, 2005

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Scott Robson		Boulder County		Srobson@co.boulder.co.us
Randall Rutsch		City of Boulder		rutschR@ci.boulder.co.us
Matthew Seubert		City and County of Denver		Matt.seubert@ci.denver.co.us
Jeanne Shreve		Adams County		ishreve@co.adams.co.us
Jim Sidebottom	Present	City of Ft. Lupton		cityadmin@frij.net
Anna Smith		Town of Evans		Asmith@ci.evans.co.us
Brent Soderlin	Present	Commerce City		bsoderlin@ci.commerce-city.co.us
Sharon Sullivan		Town of Ault		Sullies@townofault.org
Bill Swenson		Transportation Comm.		billTC1@comcast.net
Ron Tausan		Town of Severance		
John Taylor		Town of Gilcrest		Gtvfsit5@aol.com
Glenn Vaad		Weld County		gvaad@co.weld.co.us
Dennis Wagner		Town of Windsor		rwensing@windsorgov.com
Jean Wallace	Present	FHWA		Jean.wallace@fhwa.dot.gov
Rod Wensing		Town of Windsor		rwensing@windsorgov.com
Jim White		Town of Berthoud		iwhite@ci.berthoud.co.us
Nick Wolfrum		City of Longmont	Public Works	Nick.wolfrum@ci.longmont.co.us
Mary Gavin		City of Dacono		Jmg1109@msn.com

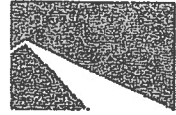
Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Gary Johnson		Burlstone		
Burt Knight		City and County of Broomfield		
Glenn Gibson		Larimer County Commissioner		
Anita Riley	Present	Boulder County		Aariley@co.boulder.co.us
Jessica Osborne		Commerce City		josborne@ci.commerce-city.co.us
Chris Primus		Carter Burgess		
Kathleen Bracke		Ft. Collins	Transportation Plan	kbracke@fcgov.com
Craig Gaskill	Present	Carter Burgess		Craig.gaskill@c-b.com
Juanita Nevarez	Present	City of Brighton		jnevarez@brightonco.gov
Sharleen Bakeman		CDOT HQ	NEPA Prog. Manager	Sharleen.bakeman@dot.state.co.us
Jean Wallace	Present	FHWA		Jean.wallace@fhwa.dot.gov
Burt Knight		City & County of Broomfield	Engineering	bknight@co.broomfield.co.us
Jennifer Heisler		Carter Burgess		
Wayne Reed		Town of Berthoud		
Jean Wallace		FHWA		
Todd Rand		Town of Firestone	Engineering	trand@tstinc.com
Holly Thornton		PRACO		holly@PRACO.com
Andres Gomez	Present	North Front Range MPO	Travel Model Dept	agomez@nfrmpo.org



NORTH I-25 EIS

Technical Advisory Committee
August 18, 2005

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:



MEETING MINUTES

Technical Advisory Committee

MEETING DATE: October 11, 2005

LOCATION: Southwest Weld County Service Complex

ATTENDEES: See Sign In Sheet

PREPARER: Felsburg Holt & Ullevig
Becky Noe/Gregg Mugele

SUMMARY OF DISCUSSION

1. *Introductions*

2. *Package Design Development*

- Tom A. referenced the highway information in the handout for the eight Packages of Alternatives for Level 3, and covered the Level 3 Design Summary memo.
- The intent is to establish a consistent application of design considerations.
- A single alignment for horizontal control and vertical profile were established to compare the eight Level 3 Packages. Potential transit station locations have been added.
- No new frontage roads will be considered in Level 3. Deletion of some frontage roads will be considered during the DEIS.
- Members were encouraged to comment on the memo, before (via e-mail) at the next meeting.
- Craig G. presented the transit update on design development, describing the process to determine where grade separations for commuter rail will be required. To date, it appears that only US 34 will need one.
- No sites have been identified for transit maintenance facilities.
- All train routes under consideration would connect to (interline with) either of the two FasTracks lines, in Longmont or Thornton.
- Craig G. described some of the physical characteristics (stations, platforms, crossings) of the Commuter Rail and BRT.
- Dave M. asked where cut-and-fill re-grading would be needed to achieve the maximum 2 ½% grade for commuter rail. There are three identified locations.
- Gene P. stated that some commuter rail systems can climb more than 2 ½% grades. He encouraged considering these types of options as part of the evaluation process: the costs and impacts of cut-and-fill construction, and new transit technology that can climb steeper grades.

3. *Transit Station Working Groups and Station Location Updates*

- Kim P. reported that the four previously conceived groups will be combined into two for the evening meetings that will be held in October, December, and February.



MEETING MINUTES

Technical Advisory Committee
October 11, 2005
Page 2 of 9

- She encouraged TAC members to review her one-page handout and to suggest names of anyone who might represent their communities.
- Jennifer M. presented the changes in locations for commuter rail, BRT, and commuter bus stations to improve travel times and ridership.
- Debra B. (Broomfield) asked for a consideration of a commuter bus station at SH 7. Gene P. also expressed strong support for that.
- The next step will be to apply evaluation criteria to potential station sites.

4. *Evaluation Criteria for Level 3 Screening*

- Tom A. stated that the three categories of criteria are the same as for Level 2: Purpose and Need, Practicability, and Environment considerations.
- Tom A. referenced the handout, soliciting comments by e-mail or at the next meeting.
- Vicki M. asked if the criteria are weighted, asking if the Purpose and Need deserves greater consideration. Gina M. replied that all alternatives still under consideration have met a threshold for the Purpose and Need.
- Dave M. confirmed with Gina M. that the criteria approach for this EIS is consistent with those of other EIS's.
- Gina M. urged members to tell the project team if they want any other criteria applied, as the evaluation process is underway.

5. *Interchange Planning Process*

- Todd F. presented his memo, dated October 5, 2005.
- He covered the guiding principals for Level 3 screening for "Access Planning", and then described the five steps in the process.
- Steps after Level 3 screening will include the DEIS, the FEIS, and CDOT's independent "1601" process.
- Dave K. asked if the LOS criteria for a new interchange should be higher than that for reconfigured interchange. Bob F. clarified the question, asking Dave if LOS criteria should be applied across the board for minor improvements, reconfigurations, and new interchanges.
- Gene P. made the point that new interchanges will require funding commitments before they can be added to any alternative.
- Dave K. expressed concern with the adequacy of LOS D.
- Bob G. stated that LOS D in 2030 will be LOS A or B for many years until then.
- Dave M. offered that we could consider both interim and 30-year future Levels of Service.
- Dick L. commented that considering two levels of service in Level 3 adds an unnecessary level of complexity to the process.
- Steve C. asked for the working definition of LOS. Todd F. said it's for both AM and PM peaks.

6. *Public Comments Update and Future Town Hall/Public Meetings*

- Kim P. called attention to the 8 ½ x 14 packet with recent comments, and to the one-page memo listing public meetings scheduled in January and February.
- Any questions on these meetings should be addressed to Kim P.

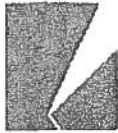


MEETING MINUTES

Technical Advisory Committee
October 11, 2005
Page 3 of 9

Next Meeting:

Thursday, November 10, 2005
Region 4 – SH 402 Loveland Residence Office (Subject to change)
1:30 – 3:00 PM



NORTH I-25 EIS

Technical Advisory Committee
October 11, 2005

SIGN-IN SHEET

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Zafar Alikan		Carter Burgess		
William Andrews		City of Greeley		andrewsb@ci.greeley.co.us
Tom Anzia	Present	FHU		Tom.anzia@fhueng.com
Sharleen Bakeman	Present	CDOT HQ	NEPA Program Mgr	Sharleen.bakeman@dot.state.co.us
Heather Balsler		City of Louisville		balserrh@ci.louisville.co.us
Debra Baskett	Present	City an County of Broomfield		dbaskett@ci.broomfield.co.us
Gary Behlen		Town of Erie		Gbehlen@ci.erie.co.us
Kathleen Bracke	Present	Ft. Collins	Transportation Plan	kbracke@fcgov.com
John Bramble	Present	City of Brighton		jbramble@brightonco.gov
Charity Brockman		Town of Windsor		cbrockman@windsorgov.com
Kelly Brom		City of Evans		kbrom@ci.evans.co.us
Leslie Chadwick		PRACO	Public relations	
Greg Clements		City of Commerce City		
Steve Cook	Present	DRCOG		scook@drcog.org
Chris Cramer		Commerce City		ccramer@ci.commerce-city.co.us
Dennis Crock	Present	Town of Erie		dcrock@ci.erie.co.us
Dan Dennison	Present	Town of Mead	Public Works	meadtown@aol.com

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
David Downing		City of Westminster		ddowning@ci.westminster.co.us
Robert Edgar	Present	EPA		Edgar.robert@epa.gov
Jennifer Edwards		DRCOG	Trans Planning	jedwards@drcog.org
Stan Elmquist	Present	CDOT		
AJ Euckert		City of Dacono		euckert@ci.dacono.co.us
Anna Fallis		Town of LaSalle		charvey@lasalletown.com
Bob Felsburg	Present	FHU		Bob.felsburg@fhueng.com
Meggan Foster		Town of Superior		megganf@townofsuperior.com
John Franklin	Present	Town of Johnstown		jfranklin@townofjohnstown.com
Todd Frisbie	Present	FHU		Todd.frisbie@fhueng.com
Renee Galeano-Popp		CDOT		
Bob Garcia	Present	CDOT		
Craig Gaskill	Present	Carter Burgess		Craig.gaskill@c-b.com
Mary Gavin	Present	City of Dacono		Jmg1109@msn.com
Glenn Gibson		Larimer County Commissioner		
Andres Gomez		North Front Range MPO	Travel Model Develop.	agomez@nfrmpo.org
Phil Greenwald	Present	City of Longmont		Phil.greenwald@ci.longmont.co.us
Tonya Haas		City and County of Broomfield		thaas@ci.broomfield.co.us



NORTH I-25
EIS

Technical Advisory Committee
October 11, 2005

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Karla Harding		CDOT		
Frank Hempen	Present	Weld County		Fhempen@co.weld.co.us
John Holdren		Town of Severance		johnholdren@earthlink.net
Genevieve Hutchison		Regional Transportation District		
Mark Jackson		City of Ft. Collins		mjackson@fcgov.com
Gary Johnson		Burlstone		
Michele Kayen		Adams County	Transportation	mkayen@co.ada.s.co.us
Larry Ketcham		Town of Milliken		Larry@town.milliken.co.us
Dave Klockeman		City of Loveland		Klockd@ci.loveland.co.us
Burt Knight		City & County of Broomfield		
David Krutsinger	Present	RTD		David.krutsinger@rtd-denver.com
Lindsey Larson	Present	PRACO		llarson@praco.com
Richard Leffler		Town of Frederick		Dleffler@frederickco.gov
Trent Marshall		City of Northglenn		tmarshall@northglenn.org
David Martinez	Present	CDOT		
Gina McAfee	Present	Carter Burgess		mcafeevl@c-b.com
Rusty McDaniel		Larimer County		rmcdaniel@larimer.org
Vicky McLane	Present	NFRMPO -- Cliff Davidson		vmclane@nfrmpo.org

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Joel Meggers		Town of Superior		Joelm@townofsuperior.com
Nick Meier		Town of Platteville		Nmeier@plattevillegov.org
Jennifer Merer	Present	Carter Burgess	Stations	Jennifer.merer@c-b.com
Keith Meyer		Weld County		Kmeyer@co.weld.co.us
Holly Miller		FHU		Holly.miller@fhueng.com
Clark Misner		Boulder County		Cmisner@co.boulder.co.us
Julie Morrison		Carter Burgess		
Gregg Mugele	Present	FHU		Gregg.mugele@fhueng.com
Juanita Nevarez	Present	City of Brighton		inevarez@brightonco.gov
Nanette Neelan		Jefferson County		Nneelan@jeffco.us
Tony Ogboli	Present	City and County of Denver		Tony.ogboli@ci.denver.co.us
Steve Olson		CDOT		Michael.olson@dot.state.co.us
Jessica Osborne		Commerce City		josborne@ci.commerce-city.co.us
Wendi Palmer		Town Erie		wpalmer@ci.erie.co.us
Carol Parr		CDOT		
Mark Peterson	Present	Larimer County		mpeterson@larimer.org
Kim Podobnik		Praco	Public relations	
Chris Primus		Carter Burgess		chris@c-b.com



NORTH I-25
EIS

Technical Advisory Committee
October 11, 2005

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Gene Putman	Present	City of Thornton		geneputman@cityofthornton.net
Anita Riley		Boulder County		aariley@co.boulder.co.us
Scott Robson		Boulder County		Srobson@co.boulder.co.us
Randall Rutsch		City of Boulder		rutschR@ci.boulder.co.us
Matthew Seubert		City and County of Denver		Matt.seubert@ci.denver.co.us
Dave Shelley	Present	RTD -- FasTracks		Dave.shelley@rtd-fastracks.com
Jeanne Shreve		Adams County		ishreve@co.adams.co.us
Jim Sidebottom	Present	City of Ft. Lupton		cityadmin@ftri.net
Anna Smith		Town of Evans		Asmith@ci.evans.co.us
Brent Soderlin		Commerce City		bsoderlin@ci.commerce-city.co.us
Sharon Sullivan		Town of Ault		Sullies@townofault.org
Bill Swenson		Transportation Comm.		billTC1@comcast.net
Ron Tausan		Town of Severance		
John Taylor		Town of Gilcrest		Gtvfsit5@aol.com
Glenn Vaad		Weld County		gvaad@co.weld.co.us
Dennis Wagner		Town of Windsor		rwensing@windsorgov.com
Jean Wallace	Present	FHWA		Jean.wallace@fhwa.dot.gov
Rod Wensing		Town of Windsor		nwensing@windsorgov.com

Technical Advisory Committee
October 11, 2005

NORTH I-25
EIS

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Jim White		Town of Berthoud		jwhite@ci.berthoud.co.us
Nick Wolfrum		City of Longmont	Public Works	Nick.wolfrum@ci.longmont.co.us

MEETING MINUTES

Technical Advisory Committee

MEETING DATE: November 10, 2005

LOCATION: Southwest Weld County Service Complex

ATTENDEES: See Sign In Sheet

PREPARER: Felsburg Holt & Ullevig
Becky Noe/Gregg Mugele

SUMMARY OF DISCUSSION

1. *Introductions*

- Tom A. asked guests at the meeting to introduce themselves.
- Dave and Rick Wright, members of the public interested in the project.
- Dave Hilliard, URS, representing the SH 60 (Johnstown) Study.

2. *Follow Up From Last Meeting*

- Craig G. handed out a 2-page white paper on Maximum Grade for Commuter Rail.
- RTD uses 2 ½% for FasTracks.
- Colorado Rail Car Company makes a DMU that can climb 4%, but it is the only one, and so it may not be practicable to rely on only one manufacturer. Therefore the recommendation remains using a 2 ½% grade.
- Craig also explained the differences between station locations at 120th Avenue and SH 7 in terms of service frequency, connections and land use. Both locations will be studied further.
- Tom A. solicited other discussions on past topics. There were no responses.

3. *Access Planning Update*

- Tom A. explained that access planning (interchanges and station locations) is early in the overall DEIS process and will continue throughout 2006.
- Bob G. pointed out that access planning is not a driver in Level 2 Screening.
- Todd F. presented the 5-step access planning process, illustrated in a flow chart in the meeting agenda package.
- He covered the Guiding Principles for Level 3 Screening; focus on existing interchanges, an operations based approach, and progressive evaluation of improvements. Goal should be LOS C for major reconfiguration of existing interchanges.
- Step 1: Basic Improvements Evaluation.
 1. Determine if basic improvements provide sufficient future level of service.
- Step 2: Reasonable Improvements Evaluation
 1. Reasonable improvements applied to interchanges with LOS E or F conditions with only basic improvements.



MEETING MINUTES

Technical Advisory Committee
November 10, 2005
Page 2 of 10

2. Lee C. (RTD) asked if roundabouts at ramp terminals will be considered, since they seem to work well.
 3. The LOS D threshold is for the intersection and not individual movements.
 4. Bob G. replied that they will be considered.
 5. Stan E. summarized that Step 2 analyzes a maximized diamond interchange.
 6. Dave K. asked if LOS C is the threshold for analysis.
 7. Mike F. (Mead) stated his relief to learn that "Basic Improvements" also included new, wider bridges to improve diamond interchanges.
 8. Kathleen B. (Ft. Collins) asked if it was necessary to name the steps. It was agreed that the names were confusing.
 9. Tom A. clarified that the process does not infer any prioritizing among interchanges.
 10. Vicky M. and Dave M. suggested that steps be referenced only by number, without any names for them.
 11. Tom A. said some slide titles will be changed.
- Todd F. presented the Access Planning Results, as illustrated by green, yellow and red dots.
 - It was suggested that instead of labeling improvements as "basic or reasonable improvements" label improvements as standard diamond or enhanced diamond.
 - Kathleen B. suggested that a Green Dot be referenced as enhanced diamond.
 - Burt K. (Broomfield) asked what we do when there are differences between DRCOG and local government traffic projections. Tom A. replied that will be addressed during the DEIS.
 - Vicky M. asked how SH 392 interchange was determined to be a Green Dot. FHU staff replied the confusion lies in the current words, which will be changed as previously discussed.
 - Mike F. said that the 3-color coding indicates configuration, but appear to indicate traffic condition.
 - It was suggested to label improvements "Level 1" instead of "Basic Improvements" and "Level 2" instead of "Reasonable Improvements".
 - Bob G. suggested that the meaning of the red, yellow and green dots be clarified.
 - John F. (Johnstown) stated that the colors must be constantly updated to prevent confusion as we work through the process.
 - Another suggestion was to use ◊ for standard diamond, ✖ for enhanced diamond and ● for beyond diamond.
 - Todd F. presented the list of interchanges shown as Red Dots, and the extent of improvements that will be evaluated, covering Harmony Road, SH14, US 34, and Johnson's Corner.
 - Stan E. asked if Harmony Road and SH 14 could look similar, both with directional ramps. The answer was "yes".
 - In response to Kathleen B's question of how these two will be evaluated, the answer is that overall operations will be evaluated with a reconfiguration and with a nearby new interchange. If either one alone produces LOS D at the interchange, then both reconfiguration and a new interchange together would be evaluated.



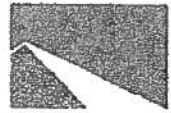
MEETING MINUTES

Technical Advisory Committee
November 10, 2005
Page 3 of 10

- Bill A. (Greeley) asked if improvements to SH 402 might help US 34 future operations. The response given was that SH 402 would be considered.
- John F. stated interest in studying reconfigurations at Johnson Corner, as Todd's slide proposed.

4. Access Planning Next Steps

- Todd F. said the team will next solicit input from local communities, and refine the evaluation process and further develop alternatives.
- Dave K. asked how input from locals will be processed. Tom A. responded that within the next few months we will meet with any individual communities on analyses done to date, and we keep the TAC informed of all developments.
- Tom A. emphasized that issues such as Broomfield's disagreement with DRCOG traffic volumes will be addressed within the DEIS schedule, but after the current interchange issues are addressed.
- Dave K. stated his understanding of the two processes: current level is macro, considering how interchanges collectively will operate; and 2nd level will be micro, on individual interchange issues.
- Dave M. summarized that R-4 is willing to meet with locals now, but the more significant meetings with them will occur 3-6 months from now.
- Bob G. stated that we are bound to use MPO traffic volume projections, and asked what framework can be established to address land uses that are not in the MPO travel models.
- Tom A. stated that the EIS focus must be maintained on serving future regional travel demand.
- Kathleen B. asked when the process will address interchange effects on the adjacent local street network. Tom replied that will occur closer to the DEIS, when we have the very best traffic information. Kathleen B. urged that this part of the process be communicated clearly, and Tom agreed.
- Burt K. stated that the overall concern is that we make the best investment. He expressed concern that if Broomfield finds a way to make its own investment in an I-25/Sheridan interchange, it not be forced into one that is not most efficient.
- Mike F. asked about the focus of the public meetings in January and February. Tom A. replied that the interchange dots will not be the focus of the next series of meetings. Mike asked for parameters on interchanges, so that he will not raise false hopes with his Town Board.
- Tom A. replied that further discussion/education will occur in individual meetings.
- Richard L. (Frederick) asked when prioritization among interchanges with respect to LOS C or D will be determined. He would like to see detailed evaluation before the C/D issue is decided.
- Sharleen B. (CDOT) stated that the NEPA process is very layered, so that the evaluation process is iterative. A narrow focus too early can waste dollars, but focusing too late will raise contention.



MEETING MINUTES

Technical Advisory Committee
November 10, 2005
Page 4 of 10

5. Public Involvement

- Transit Station Planning
 1. The second round of meetings will involve four meetings.
 2. TAC members are invited.
- Town Hall meetings schedule was handed out.
- Next TAC meeting on December 15th will focus on the eight Alternative Packages, not on interchanges.

Next Meeting:

Thursday, December 15, 2005
Southwest Weld County Services Building
1:30 – 3:00 PM

SIGN-IN SHEET

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Zafar Alikan		Carter Burgess		
William Andrews	Present	City of Greeley		andrewsb@ci.greeley.co.us
Tom Anzia		FHU		Tom.anzia@fhueng.com
Sharleen Bakeman		CDOT HQ	NEPA Program Mgr	Sharleen.bakeman@dot.state.co.us
Heather Baiser		City of Louisville		baiserh@ci.louisville.co.us
Debra Baskett		City an County of Broomfield		dbaskett@ci.broomfield.co.us
Gary Behlen		Town of Erie		Gbehlen@ci.erie.co.us
Kathleen Bracke	Present	Ft. Collins	Transportation Plan	kbracke@fcgov.com
John Bramble		City of Brighton		jbramble@brightonco.gov
Charity Brockman		Town of Windsor		cbrockman@windsorgov.com
Kelly Brom		City of Evans		kbrom@ci.evans.co.us
Holly Buck	Present	Felsburg Holt & Ullevig	Transportation	Holly.buck@fhueng.com
Leslie Chadwick		PRACO	Public relations	
Greg Clements		City of Commerce City		
Steve Cook		DRCOG		scook@drcog.org
Chris Cramer		Commerce City		ccramer@ci.commerce-city.co.us
Dennis Crock	Present	Town of Erie		dcrock@ci.erie.co.us

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Lee Cryer	<i>Present</i>	RTD		Lee.cryer@rtd-fastracks.com
Dan Dennison	<i>Present</i>	Town of Mead	Public Works	meadtown@aol.com
David Downing		City of Westminster		ddowning@ci.westminster.co.us
Robert Edgar		EPA		Edgar.robert@epa.gov
Jennifer Edwards		DRCOG	Trans Planning	jedwards@drcog.org
Stan Elmquist		CDOT		
AJ Euckert		City of Dacono		euckert@ci.dacono.co.us
Anna Fallis		Town of LaSalle		charvey@lasalletown.com
Bob Felsburg	<i>Present</i>	FHU		Bob.felsburg@fhueng.com
Meggan Foster		Town of Superior		megganf@townofsuperior.com
John Franklin	<i>Present</i>	Town of Johnstown		jfranklin@townofjohnstown.com
Todd Frisbie	<i>Present</i>	FHU		Todd.frisbie@fhueng.com
Renee Galeano-Popp		CDOT		
Bob Garcia		CDOT		
Craig Gaskill		Carter Burgess		Craig.gaskill@c-b.com
Mary Gavin		City of Dacono		Jmg1109@msn.com
Glenn Gibson		Larimer County Commissioner		
Andres Gomez		North Front Range MPO	Travel Model Develop.	agomez@nfrmpo.org

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Phil Greenwald		City of Longmont		Phil.greenwald@ci.longmont.co.us
Tonya Haas		City and County of Broomfield		thaas@ci.broomfield.co.us
Karla Harding		CDOT		
Frank Hempen		Weld County		Fhempen@co.weld.co.us
John Holdren		Town of Severance		johnholdren@earthlink.net
Genevieve Hutchison		Regional Transportation District		
Mark Jackson		City of Ft. Collins		mjackson@fcgov.com
Gary Johnson		Burlstone		
Michele Kayen		Adams County	Transportation	mkayen@co.ada.s.co.us
Larry Ketcham		Town of Milliken		Larry@town.milliken.co.us
Dave Klockeman	Present	City of Loveland		Klockd@ci.loveland.co.us
Burt Knight	Present	City & County of Broomfield		
Lindsey Larson	Present	PRACO		llarson@praco.com
Richard Leffler	Present	Town of Frederick		Dleffler@frederickco.gov
Trent Marshall		City of Northglenn		tmarshall@northglenn.org
David Martinez		CDOT		
Gina McAfee		Carter Burgess		mcafeevl@c-b.com
Rusty McDaniel		Larimer County		rmcdaniel@larimer.org

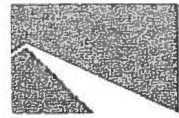
Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Vicky McLane		NFRMPO – Cliff Davidson		vmclane@nfrmpo.org
Joel Meggers		Town of Superior		Joelm@townofsuperior.com
Nick Meier		Town of Platteville		Nmeier@plattevillegov.org
Jennifer Merer		Carter Burgess	Stations	Jennifer.merer@c-b.com
Keith Meyer		Weid County		Kmeyer@co.weid.co.us
Clark Misner		Boulder County		Cmisner@co.boulder.co.us
Julie Morrison		Carter Burgess		
Gregg Mugele		FHU		Gregg.mugele@fhueng.com
Juanita Nevarez		City of Brighton		jnevarez@brightonco.gov
Nanette Neelan		Jefferson County		Nneelan@jeffco.us
Tony Ogboli		City and County of Denver		Tony.ogboli@ci.denver.co.us
Steve Olson		CDOT		Michael.olson@dot.state.co.us
Jessica Osborne		Commerce City		josborne@ci.commerce-city.co.us
Wendi Palmer		Town Erie		wpalmer@ci.erie.co.us
Carol Parr		CDOT		
Mark Peterson		Larimer County		mpeterson@larimer.org
Kim Podobnik	Present	Praco	Public relations	
Chris Primus	Present	Carter Burgess		chris@c-b.com

Technical Advisory Committee
November 10, 2005

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Gene Putman		City of Thornton		geneputman@cityofthornton.net
Anita Riley		Boulder County		ariley@co.boulder.co.us
Scott Robson		Boulder County		Srobson@co.boulder.co.us
Randall Rutsch		City of Boulder		rutschR@ci.boulder.co.us
Matthew Seubert		City and County of Denver		Matt.seubert@ci.denver.co.us
Dave Shelley		RTD – FasTracks		Dave.shelley@rtd-fastracks.com
Jeanne Shreve		Adams County		ishreve@co.adams.co.us
Jim Sidebottom		City of Ft. Lupton		cityadmin@frij.net
Anna Smith		Town of Evans		Asmith@ci.evans.co.us
Brent Soderlin		Commerce City		bsoderlin@ci.commerce-city.co.us
Sharon Sullivan		Town of Ault		Sullies@townofault.org
Bill Swenson		Transportation Comm.		billTC1@comcast.net
Ron Tausan		Town of Severance		
John Taylor		Town of Gilcrest		Gtvfsit5@aol.com
Glenn Vaad		Weld County		gvaad@co.weld.co.us
Dennis Wagner		Town of Windsor		rwensing@windsorgov.com
Jean Wallace		FHWA		Jean.wallace@fhwa.dot.gov
Rod Wensing		Town of Windsor		rwensing@windsorgov.com

Technical Advisory Committee
November 10, 2005

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Jim White		Town of Berthoud		jwhite@ci.berthoud.co.us
Nick Wolfrum		City of Longmont	Public Works	Nick.wolfrum@ci.longmont.co.us
Todd Rand	Present	Town of Firestone	Town Engineer	Todd.rand@tstinc.com
Rick White	Present	Landowner		rwhite@laam.biz
Dave White	Present	Landowner		dwhite@csd.net
Mike Friesen	Present	Town of Mead	Town Manager	meadtown@aol.com
Michelle Stevens	Present	Felsburg Holt & Ullevig	Transportation	Michelle.stevens@fhueng.com



MEETING MINUTES

Technical Advisory Committee

MEETING DATE: December 15, 2005

LOCATION: Southwest Weld County Service Complex

ATTENDEES: See Sign In Sheet

PREPARER: Felsburg Holt & Ullevig
Becky Noe/Gregg Mugele

SUMMARY OF DISCUSSION

1. *Introductions*

2. *Public Involvement*

- Kim still needs more involvement.
- Bob G. – working group give citizens a chance for input into station locations.
- Advertisement in local level in process it is all print. Will start first week of January.
- Vicky – do other consultants doing corridor work get notice?

3. *Access Planning*

- Deb B. ask how new interchanges work in the process, but also commented that new interchange considerations may be outside the access planning process.
- Items that are outside the process will be learned and considered in small group meetings with the communities.

4. *Screening*

- Vicky – Suggestion that LAL being indicated be barrier separated.
- Dave – Is the LAL 30% higher total?
- Are there Drop Ramps at the interchanges for LAL? – No.
- Dave – Show a cross section to depict the LAL.
- Vicky – How many HOV tested?
- Demand in the central section of corridor does not provide enough congestion to work.
- Capital Cost – HOV cost is similar to Toll and HOT. Why is that?
- Would seem that HOV would be less?
 - FHU will check.
- The travel speed on the 8-lane seems high. 40 Minutes for from SH 14 to E-470.
- Vehicles miles of travel. What is this a measure of. What are we measuring? VMT was included to show that people are driving out of their way to get to the facility.



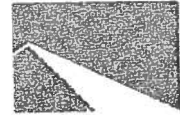
MEETING MINUTES

Technical Advisory Committee
December 15, 2005
Page 2 of 11

- Would provide lanes as needed and phased to meet future demand.
- What does the VHT tell us?
- Why pick PM Southbound? It was the one that shows the most differentiation.

5. Transit

- The transit and evaluation results based on highway improvement.
- A shared guideway and managed lanes seem to be different type of facilities. Managed lanes acting as a managed lane.
- The word Guideway is probably misleading.
- Either Commuter Bus and BRT bus both could use managed lanes.
- Guideway seems to suggest rail.
- The commuter bus ridership is not limited by the number of buses running. A generous service was assumed.
- The information provided on ridership is the demand, more the sufficient capacity is provided to meet this demand.
- How are the travel times within a few minutes of each other? The scale or the chart does not depict the difference adequately.
- Another reason Commuter Bus stations were fewer because of the difficulty of getting on and off the facility.
- Is the station spacing optimum? The transit working groups will help to define this. Peer data was used to determine station areas for the analysis.
- The average distance people will drive to a commuter rail station is 4 miles, walking ½ mile. The 85th percentile finding is 9 miles.
- The I-25 alignment would likely be too far away for Greeley people to use it.
- The commuter bus is more express but BRT one more high capacity/high speed/quick load type of service.
- The Western Alignment would seem to attract more special use trips. The model does not account for these. Special use trips are being estimated from the HH survey.
- The Western Alignment has greater noise, social, circulation and vibration impacts. This is one big difference between the two.
- The Central Alignment will attract new land and impact those; however, the impact to existing use is perceived differently than a possible future impact to land.
- Berthoud has supported rail and will continue.
- New development currently being built in the corridor and will be impacted.
- The Commuter Bus system combined with a BRT system.
- Commuter Bus can grow into a BRT system.
- The Central Alignment has more length than Western Alignment.
- Suggested to look at cost per trip length rather than cost per user.
- The least damaging environmentally alternative in terms of aquatic resources is required to be identified, this is Package 1. From a process requirement will need to carry forward something similar to Package 1. This applies to DEIS and FEIS.
- The Corps look at the least environmentally damaging that is the most practicable and best meets purpose and need.



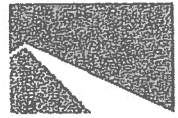
MEETING MINUTES

Technical Advisory Committee
December 15, 2005
Page 3 of 11

- Have 8-lanes in northern Colorado not be needed if there were a good parallel arterial system. In Level 2 6-lanes plus arterials does not provide enough capacity to address the 2030 demand.
- The short trips in Northern Colorado can this be addressed with parallel arterials?
- Suggestion to use BRT to address short-trips.
- If 8-lane addresses the demand, then do we need not to do anything else to address the demand?
- There are other things you can do to address the demand. EIS's are approved all the time that recognize congestion today and congestion in the future.
- Footprint of Western alignment vs. I-25 alignment. Need more information on why the western has more impact then the Central.
- Western Alignment: Pros – Accessibility, Cons – Noise/Vibration'
 - Most cost effective.

6. Flip Chart Notes

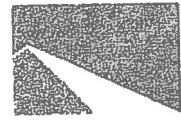
- LA Lanes
 - Note 2 lanes each direction
 - Are there drop ramps at the intersections
 - A cross section would help sell bullet 3
 - Is it 30% more for total cost?
- Managed Lanes
 - How many HOV lanes were tested?
 - Buffer or Barrier separated?
 - You need congestion in GP lane to create demand in talk lanes
- General Comments
 - 3 Lanes-8 lane section justified where – tells me is that local demand driving that?
 - Those marginal trips not going to Denver.
 - HOV not barrier separated – not barrier separated – Why? Is cost similar?
 - Are these 20 year projections?
 - What speeds are you assuming from 14 to E-470. 40 Min?
 - Annual cost per user – is it Annual new cost?
 - VMT – is that capacity or the fact that 8 lanes will draw more people – utilization?
 - Is it VMT on I-25 or whole study area?
 - Would you do a variety of lanes with places to expand needs beyond 2030?
 - Is there a reason you picked PM Southbound?
- Commuter Bus
 - Is there anything that estimates demand? Put it down
 - These will be based on improvements we already talked about?
 - How many busses? More busses equals more riders
- BRT
 - Why you use the word “shared guideway”? I think it is something specific for that technology but then you talk about managed lanes which are shared – I think the word guideway is confusing.
 - 2 photos – both vehicles could be used in either scenario
 - Some operate at higher speed – some are shuttle



MEETING MINUTES

Technical Advisory Committee
December 15, 2005
Page 4 of 11

- Use "road only" instead of shared guideway.
 - BRT has higher demand than CB when it runs on same route?
 - Travel time – how are they all within a minute or two of each other? – you get a "smoother" ride the further you go on BRT.
 - How sensitive is model in predicting demand in terms of station location and spacing? Is this spacing optimum?
 - Some station location info came from peer system comparisons.
 - Is there a distance that impacts if people will come?
 - Given zone of influence - would have little benefit to us _____ 15 miles away
 - BRT is meant for high capacity – short term – high speed _____ on/off. CB is more express – less stops, longer trips, more flexible.
- **Commuter Rail**
 - When you say 50% higher – are you meaning non-work users?
 - 50% higher – is that capital costs
 - you are assuming FasTracks picks up southern connections
 - Looking at transit stations, you will have development where transit is – need testing to support transit.
 - Aren't there 2 impacts – immediate vs. secondary development that is not there yet?
 - To station locations factor in land use plans?
 - _____ is strong proponent of CR – we support it through/around our town – Berthoud.
 - Existing I-25 communities very close to highway – people don't seem to mind noise.
 - Did we consider fly-overs and those impacts?
 - Have we looked at BRT/CB as one program? BRT at peak hours, CB at off peak?*
 - Would lost between central vs. west alignment corridor cost per mile vs. user – cost per user length of trip.
 - Transit commuter bus) location – west, central, east
 - Can we combine transit with parallel arterials to solve issue?
 - **One, Two, or Three lines**
 - **Alternatives for Further Consideration**
 - Have parallel arterials been considered for complimentary alternatives?
 - Arterials create bigger impacts
 - Trips in Northern 1/3 are short trips – could be considered as off-system roads – can you look at that?
 - BRT characteristics – could it be worked into the solution for those short trips?
 - BRT – 2 columns – infrastructure vs. operating characteristic.
 - If you build 8 lanes – LOS C – there are smaller things you can do than traditional BRT.
 - Can we show footprint for CR on 287 vs. I-25?



MEETING MINUTES

Technical Advisory Committee
December 15, 2005
Page 5 of 11

- Western

Pros	Cons
Accessible	Noise/Vibration
More Cost Effective	

Next Meeting:

Thursday, January 12, 2006
Southwest Weld County Services Building
1:30 – 3:00 PM

Technical Advisory Committee
December 15, 2005

SIGN-IN SHEET

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Zafar Alikan		Carter Burgess		
William Andrews	Present	City of Greeley		andrewsb@ci.greeley.co.us
Tom Anzia	Present	FHU		Tom.anzia@fhueng.com
Sharleen Bakeman	Present	CDOT HQ	NEPA Program Mgr	Sharleen.bakeman@dot.state.co.us
Heather Balsler		City of Louisville		balsrh@ci.louisville.co.us
Debra Baskett	Present	City an County of Broomfield		dbaskett@ci.broomfield.co.us
Dave Beckhouse	Present	FTA	Transit	David.beckhouse@fta.dot.gov
Gary Behlen		Town of Erie		Gbehlen@ci.erie.co.us
Kathleen Bracke	Present	Ft. Collins	Transportation Plan	kbracke@fcgov.com
John Bramble		City of Brighton		jbramble@brightonco.gov
Charity Brockman		Town of Windsor		cbrockman@windsorgov.com
Kelly Brom		City of Evans		kbrom@ci.evans.co.us
Holly Buck	Present	Felsburg Holt & Ullevig	Transportation	Holly.buck@fhueng.com
Leslie Chadwick		PRACO	Public relations	
Greg Clements		City of Commerce City		
Steve Cook		DRCOG		scook@drcoq.org
Chris Cramer		Commerce City		ccramer@ci.commerce-city.co.us

Technical Advisory Committee
December 15, 2005

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Dennis Crock		Town of Erie		dcrock@ci.erie.co.us
Lee Cryer	Present	RTD		Lee.cryer@rtd-fastracks.com
Dan Dennison		Town of Mead	Public Works	meadtown@aol.com
David Downing		City of Westminster		d Downing@ci.westminster.co.us
Robert Edgar	Present	EPA		Edgar.robert@epa.gov
Jennifer Edwards		DRCOG	Trans Planning	jedwards@drcog.org
Stan Elmquist	Present	CDOT		
AJ Euckert		City of Dacono		euckert@ci.dacono.co.us
Anna Fallis		Town of LaSalle		charvey@lasalletown.com
Bob Felsburg		FHU		Bob.felsburg@fhueng.com
Meggan Foster		Town of Superior		megganf@townofsuperior.com
John Franklin	Present	Town of Johnstown		jfranklin@townofjohnstown.com
Todd Frisbie	Present	FHU		Todd.frisbie@fhueng.com
Renee Galeano-Popp		CDOT		
Bob Garcia	Present	CDOT		
Craig Gaskill	Present	Carter Burgess		Craig.gaskill@c-b.com
Mary Gavin		City of Dacono		Jmg1109@msn.com
Glenn Gibson		Larimer County Commissioner		
Andres Gomez		North Front Range MPO	Travel Model Develop.	agomez@nfrmpo.org

Technical Advisory Committee
December 15, 2005

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Phil Greenwald		City of Longmont		Phil.greenwald@ci.longmont.co.us
Tonya Haas		City and County of Broomfield		thaas@ci.broomfield.co.us
Karla Harding		CDOT		
Frank Hempen		Weld County		Fhempen@co.weld.co.us
John Holdren		Town of Severance		johncholdren@earthlink.net
Genevieve Hutchison		Regional Transportation District		
Mark Jackson	Present	City of Ft. Collins		mjackson@fcgov.com
Gary Johnson		Burlstone		
Michele Kayen		Adams County	Transportation	mkayen@co.ada.s.co.us
Larry Ketcham		Town of Milliken		Larry@town.milliken.co.us
Dave Klockeman	Present	City of Loveland		Klockd@ci.loveland.co.us
Burt Knight		City & County of Broomfield		
Lindsey Larson		PRACO		llarson@praco.com
Richard Leffler		Town of Frederick		Dleffler@frederickco.gov
Trent Marshall		City of Northglenn		tmarshall@northglenn.org
David Martinez		CDOT		
Gina McAfee	Present	Carter Burgess		mcafeevl@c-b.com
Rusty McDaniel		Larimer County		rmcdaniel@larimer.org

Technical Advisory Committee
December 15, 2005

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Vicky McLane	Present	NFRMPO – Cliff Davidson		vmclane@nfrmpo.org
Joel Meggers		Town of Superior		Joelm@townofsuperior.com
Nick Meier		Town of Platteville		Nmeier@plattevillegov.org
Jennifer Merer		Carter Burgess	Stations	Jennifer.merer@c-b.com
Keith Meyer		Weid County		Kmeyer@co.weid.co.us
Clark Misner		Boulder County		Cmisner@co.boulder.co.us
Julie Morrison		Carter Burgess		
Gregg Mugele		FHU		Gregg.mugele@fhueng.com
Juanita Nevarez		City of Brighton		inevarez@brightonco.gov
Nanette Neelan		Jefferson County		Nneelan@jeffco.us
Tony Ogboli		City and County of Denver		Tony.ogboli@ci.denver.co.us
Steve Olson	Present	CDOT		Michael.olson@dot.state.co.us
Jessica Osborne		Commerce City		josborne@ci.commerce-city.co.us
Wendi Palmer		Town Erie		wpalmer@ci.erie.co.us
Carol Parr	Present	CDOT		
Mark Peterson	Present	Larimer County		mpeterson@larimer.org
Kim Podobnik	Present	Praco	Public relations	
Chris Primus	Present	Carter Burgess		chris@c-b.com

Technical Advisory Committee
December 15, 2005

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Gene Putman		City of Thornton		geneputman@cityofthornton.net
Anita Riley		Boulder County		aariley@co.boulder.co.us
Scott Robson		Boulder County		Srobson@co.boulder.co.us
Randall Rutsch		City of Boulder		rutschR@ci.boulder.co.us
Matthew Seubert		City and County of Denver		Matt.seubert@ci.denver.co.us
Dave Shelley		RTD – FasTracks		Dave.shelley@rtd-fastracks.com
Jeanne Shreve		Adams County		jshreve@co.adams.co.us
Jim Sidebottom		City of Ft. Lupton		cityadmin@ftri.net
Anna Smith		Town of Evans		Asmith@ci.evans.co.us
Brent Soderlin	Present	Commerce City		bsoderlin@ci.commerce-city.co.us
Sharon Sullivan		Town of Ault		Sullies@townofault.org
Bill Swenson		Transportation Comm.		billTC1@comcast.net
Ron Tausan		Town of Severance		
John Taylor		Town of Gilcrest		Gtvfsit5@aol.com
Glenn Vaad		Weld County		qvaaad@co.weld.co.us
Dennis Wagner		Town of Windsor		rwensing@windsorgov.com
Jean Wallace	Present	FHWA		Jean.wallace@fhwa.dot.gov
Rod Wensing		Town of Windsor		rwensing@windsorgov.com

Technical Advisory Committee
December 15, 2005

Name:	Attended	Affiliation:	Specialty:	E-Mail Address:
Jim White	<i>Present</i>	Town of Berthoud		jwhite@ci.berthoud.co.us
/Joe Olson for Nick Wolfrum	<i>Present</i>	City of Longmont	Public Works	Nick.wolfrum@ci.longmont.co.us
Todd Rand	<i>Present</i>	Town of Firestone	Town Engineer	Todd.rand@tstinc.com
Rick White		Landowner		rwhite@laam.biz
Dave White		Landowner		dwhite@csd.net
Mike Friesen		Town of Mead	Town Manager	meadtown@aol.com
Michelle Stevens		Felsburg Holt & Ullevig	Transportation	Michelle.stevens@fhueng.com
Paul Brown	<i>Present</i>	Carter Burgess		