

2014 City of Norman

Moving Forward

DRAFT CTP APPENDICES









In Association with: Alliance Transportation Group Garver











Draft: May 13, 2014 Ordinance No.: XXX-XXXX-XX

Appendix A: Public Involvement in Developing the Norman CTP

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Norman Community Transportation Survey

During November and December of 2011, the city retained ETC Institute to conduct a survey of citizen opinions of transportation programs and services. The citizen input confirmed the impetus for the development of the city's first Comprehensive Transportation Plan. A copy of the report is available on the City's website. Major findings for the survey included:

- Satisfaction: The highest levels of satisfaction with transportation issues, based upon the combined percentage of "very satisfied" and "satisfied" responses among residents who had an opinion, were the ease of traveling from home to work or school (64%), the ease of traveling from home to parks and recreation facilities (62%), the ease of traveling from Norman to other cities in Oklahoma (62%) and the flow of traffic at non—peak times (62%).
- Dissatisfaction: Several issues were rated by respondents as "very" or "somewhat dissatisfied" by half or nearly half of those responding. Those issues were east/west travel in Norman, traffic calming devices, availability of "off street" shared use paths, availability of "on street" bicycle lanes, the availability of public parking in downtown Norman and Campus Corner, and the flow of traffic on area streets during rush hour.
- Level of Support for Various Transportation Improvements: The highest levels of support for transportation improvements were; 1) improving traffic and eliminating bottlenecks and congestion (89%), 2) improving the maintenance of existing roadways and bridges (88%), and 3) improving major roads around the outer edges of Norman (81%).
- Sections of Roads that are Most Problematic and Resident Willingness to Fund Change: From a list of ten sections of roads that are too congested or have high accident rates, the top three chosen by residents were; 1) Porter Avenue (Alameda to Robinson), 2) Robinson Street between 24th Avenue NW and 36th Ave. NW, and 3) Lindsey Street (West of Berry Road). Willingness to Fund Change: If funding were provided for their top three choices, 80% were either "extremely likely" or "somewhat likely" to vote in favor of a bond issue to address a solution.
- Transit in Norman: The top three barriers to use of transit in Norman are 1) just a preference to drive, 2) unavailable service, and 3) current bus service takes too long to get to destination.
- Bike Riding in Norman: Thirty-three percent (33%) of those surveyed have ridden a bike in Norman in the last year, and the majority (57%) did not feel safe on streets in the area where they live.
- Walking in Norman: Eighty-five percent (85%) of those surveyed have walked in the area where they live, and the majority (81%) feel very or somewhat safe.
- Budgeting Transportation Dollars: Residents were instructed to divide \$100 into the various needs for transportation. Thirty-eight dollars or 38% was allotted to maintaining existing roads, 16% went to widening existing streets, and 10% went to bike paths and lanes. Sidewalks, public bus service, and transportation for seniors and disabled each got 9%, passenger rail got 7%, and 2% was allocated to other.
- Support for Funding a New North/South Roadway: This roadway would run along the railroad corridor from North Flood Street to Downtown, to the OU Campus. Twenty-one percent (21%) of those surveyed were "extremely likely" to support the funding, 32% were "somewhat likely", 23% were "neutral", 13% were "somewhat unlikely" and 11% were "extremely unlikely" to support funding.

Citizens Visioning Committee

A Citizens Visioning Committee (CVC) was convened by the Mayor and City Council to provide direct input in the formative stages of the Plan development. As part of the information gathering during the formative stages of the Plan, the Citizens Survey (described previously) was conducted. With this input and that of the CVC, the guiding principles and a set of draft goals were developed to initiate the development of the Plan.

For the development of the (CTP) vision and goals, the CVC was comprised of the following community representatives:

- Chris Applegate (Red Earth Group, Sierra Club),
- Roger Brown (Norman Public Schools),
- Teresa Capps (Chair--Social and Voluntary Services Commission),
- Nick Hathaway (OU Vice President for Administration and Finance),
- Harold Heiple (Norman Developer's Council),
- Marion Hutchison (ONTRAC Board),
- Doug Myers (Director--CART),
- Chris Nanny (Chair--CART Disability Advisory Committee),
- Janice Oak (Progressive Independence),
- Renee O'Leary (United Way--Senior Council/Positive Aging Influence),
- Helen Robertson (Representative--Bicycle Advisory Committee),
- Tom Sherman (Chair--Chamber Transportation Committee),
- Joe Sparks (Chair--Norman Convention and Visitor's Bureau),
- Walt Strong (Administrator--Westheimer Airport),
- Chuck Thompson (Chair--Central OK Regional Advocacy Alliance),
- Larry Walker (Chair--Public Art Board),
- Brad Worster (Commercial Realtor/Norman Next).

During the visioning stage of the preparations for development of the CTP, the City and the CVC also received some technical assistance and guidance from Lochner, an engineering firm that develops plans and designs for transportation infrastructure. Lochner to helped to frame up the plan's goals and objectives and develop a scope of work for the retention of an experienced consulting firm to be retained to work with the city to develop the CTP.

Citizens Visioning Committee Subcommittees

After the formation of the guiding principles, draft goals and strategies, the CVC membership was enhanced with additional members to provide input and feedback to the Plan development team. The CVC membership was divided into groups to focus on four modal elements for direct involvement and input into the development of the Plan. The four CVC subcommittees were:

Note: (CVC) beside the person's name indicates original membership in the CVC that contributed to the formation of the initial project guiding principles, goals and strategies and helped to formulate the scope of the plan development effort. From that initial set of CVC members, additional members were added to assist with input and feedback to the project development team of city staff and consultants, and were grouped into subcommittees.

CVC Subcommittee: Automobile Capacity, Quality of Service and Parking

Joe Sparks (CVC), Co-ChairRobin AllenChuck ThompsonBill NationsBill NationsSuzanne Meauley

Rainey Powell Stephen Koranda Jim Adair Charlie Nicholson

CVC Subcommittee: Pedestrian and Bicycle Mobility, Safety and Streetscape

Chris Applegate (CVC), Co-Chair Gary Miller Mark Nanny
Brad Worster (CVC), Co-Chair David Huddleston Larry Walker (CVC)
Evan Dunn John High Roger Brown (CVC)
Jennifer Newell Marguerite Larson Renee O'Leary (CVC)

CVC Subcommittee: Transit Capacity and Quality of Service

Doug Myers (CVC), ChairCody PonderMary AlbertTom Sherman (CVC), Co-ChairKarleen SmithTeresa Capps (CVC)Rachel ButlerLinda ShannonMarion Hutchison (CVC)Chris Nanny (CVC)Richard McKownEvan Stair

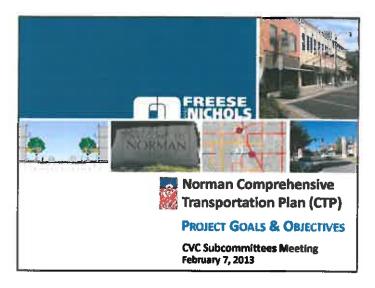
CVC Subcommittee: Freight Movement, Airports and Emergency Response

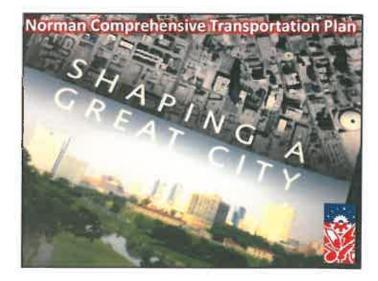
Walt Strong (CVC), Co-Chair
Nick Hathaway (CVC), Co-Chair
Joe Lester
Harold Heiple (CVC)
Harold Brooks
Rick Nagel

Dr. John Dyer
Harold Brooks

The CVC Subcommittees met with the plan development team five times throughout the process, helping to refine the goals and develop a set of objectives for the Plan, affirm the identification of the existing transportation conditions, discuss and prioritize the transportation system and policy needs for Norman, provide feedback on potential system improvements.

Sub-Committee Meeting #1: February 7, 2013





6:00PM • Review of Previous Efforts • CTP Sub-Committees & Operations • Project Overview 6:30PM • Sub-Committee Work Session • Discuss Plan Goals and Objectives • Discuss Existing Conditions • Homework Assignment 7:05PM • Goals & Objectives Work Groups • Refine the 5 Goals and Enhance Objectives • Presentations to the Group 7:50PM • Summary and Next Steps

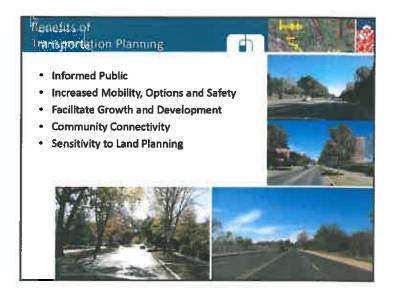
Benefits of Transportation Planning

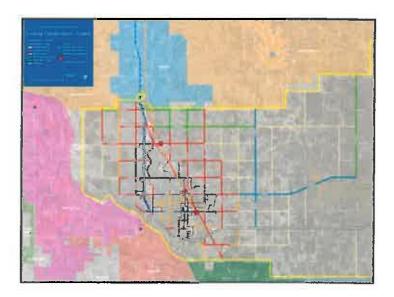


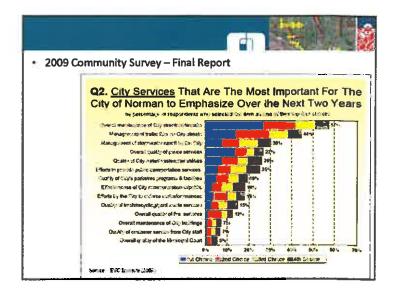


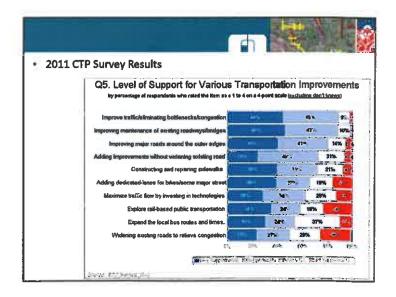
- · Framework for growth
- · Land Use/transportation interface
- · Multi-modal considerations
- System Alignments/ROW Preservation/Design Standards
- · Coordination with other agency/city plans
- Infrastructure and utilities coordination
- Capital Improvements Programming
- Funding of Improvements
- Economic benefit
- Statement of Community Policy











Previous Work Efforts



"MOVING FORWARD" Deliverables

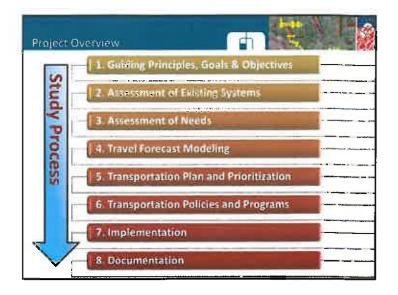
- Scoping and Listening Phase conducted in 2011 and completed in early 2012
- Included numerous meetings, formation of a Citizens Vision Committee, and a Public Survey
- The deliverables at completion of the scoping phase were:
 - A <u>scope of work</u> which was inserted directly into the Request for Proposal for the full CTP
 - Guiding Principles which were adopted by Council at its meeting on February 14, 2012

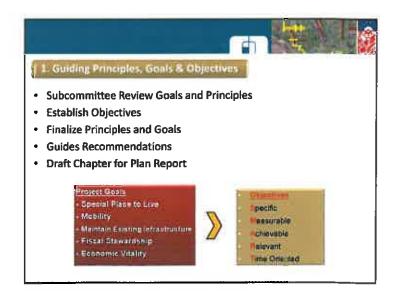


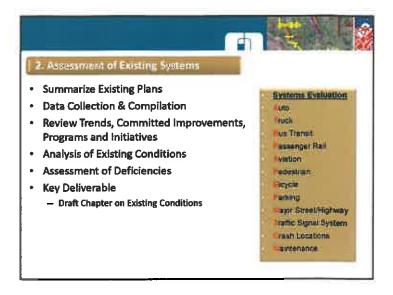


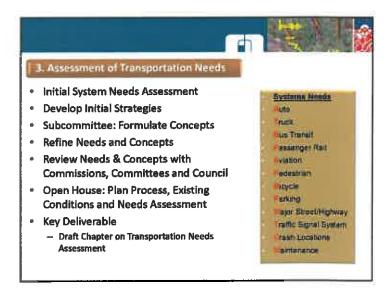




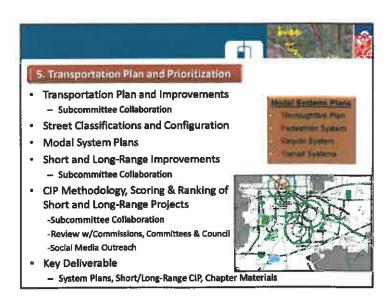


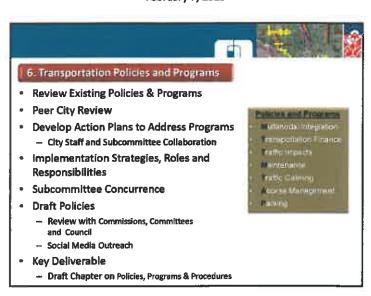




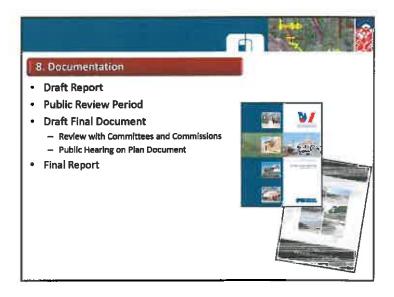


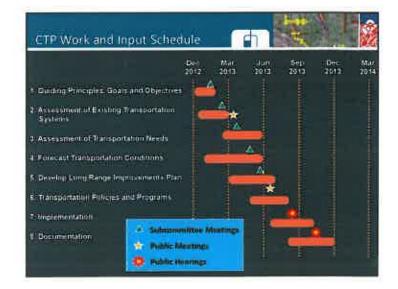












Goals Expansion with Objectives





Subding Principle: A Special Plane to Live
A vibrant I:stream community in 2035 will be achieved by ensuring transportation and infrastructure
investments focus on both people and places. These investments should enhance transportation chakes
and accessibility, and abus create a unique place with basting value but blends seminesly with the
character and vision of Horman's neighborhoods, employment centers and actually centers.

Orleinal

Goal #1.1: Provide a transportation system with a variety and belance of transportation choices that are designed compatible with their surroundings.

Goal RL2: Invest in street improvements for section line roads and arterial street: in core Norman where compatible with the character of the area.

Goal #1.3: Provide transportation investments that help preserve the character of the central core of Norman including Downtown, OU, and surrounding neighborh add.

Goal #1.4: Invest in a transportation network that supports quality of life amenities attractive to talented employees and visitors in today's highly mobile, knowledge drivan economy.

Goal & (Special Plaza to Evel) Provide a transportation system with a variety and belance of transportation choices that are designed to be compatible with their surroundings.

Objective 51. Invest in street improvements in section line roads and arterial streets in core Norman where compatible with the character

Objective S2. Provide transportation investments that help preserve the character of the central core of Norman including Downtown, Out, and surrounting neighborhoods.

Objective 53, invest in a transportation network that supports quality of life amenities attractive to talented employees and visitors in toda/s highly mobile, knowledge driven economy.

Goals & Objectives Refinement





Guiding Principles A Special Place to Live
A observed home in community is 2001 will be achieved by enuming transportation and infrastructure
investment; Trans on both people and place. These investments should enhance transportation chan
and accessibility, and abor cector a value place with beinging what the blends servicity with the
character and observed in Norman's neighborhoods, employment centers and artirity centers.

Goal RI (A Special Place to Live): Provide a transportation system placened and designed with people and place in mind, and provided with characteristics to support activities competible with their surroundings.

Objective S1. Alloyd bullities, programs, procedures and standards that promote profess falland content condition conclemation; into the planning, project forwards denies and operations of transportables forwards. Notices:

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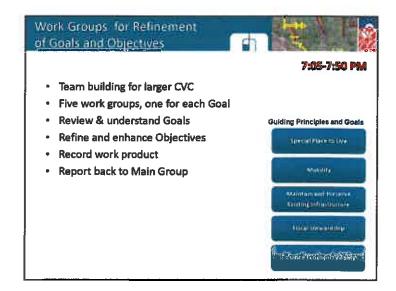
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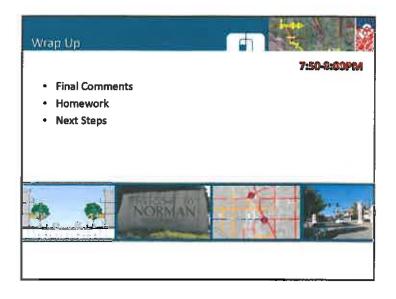
Objective 54. Provide transportation investments that help preserve the character, and enhance the quality of file and amention of the central core of Norman including Dopartonia, OU, and surrounding neighborhoods.

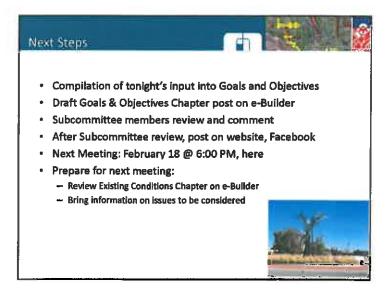
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Homework



- E-Builder Collaboration site
- E-mail from: Morgan McIlwain Subject: Norman CTP (Page 3 of Guide)
- Below Signature, click "HERE"
- User form/Contact Info/Password
- . Link to file in "Workflow in Your Court"
- After completion: "Action Completed"; ability to add Comment
- Vote for Assignment Done



- e-Builder Guide
- Save e-builder homepage to "Favorites"



Sub-Committee Meeting #1 Flip Chart Notes: February 7, 2013

Norman CTP Sub-Committee Meeting #1 Freese and Nichols Flip Chart Notes from February 7, 2013

MAINTAIN AND PRESERVE EXISTING INFRACTAUCTURE COMMINTAIN / lack of manhanence to existing packetria por more frequent evaluation of existing facilities offective citizen reporting system/management.

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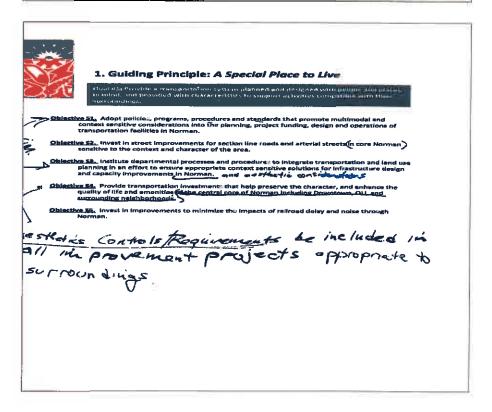
- approach corridors (Alameda, Huy 9)

- Suburban (bayond core)

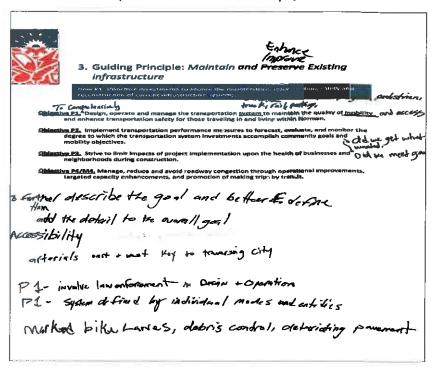
- Dountown?

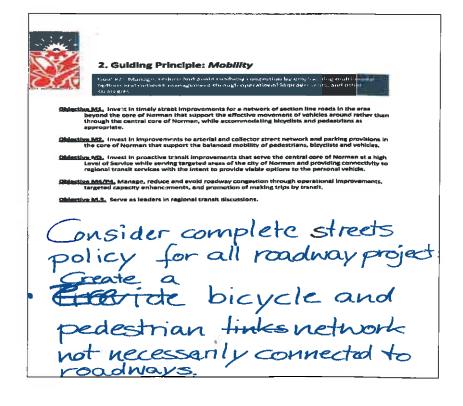
Norman CTP Sub-Committee Meeting #1 Freese and Nichols Flip Chart Notes from February 7, 2013

· Trovide way-finding Signage for visitors and residents alike.

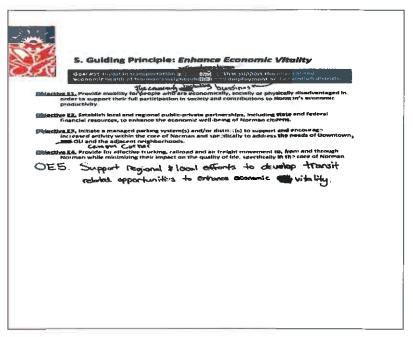


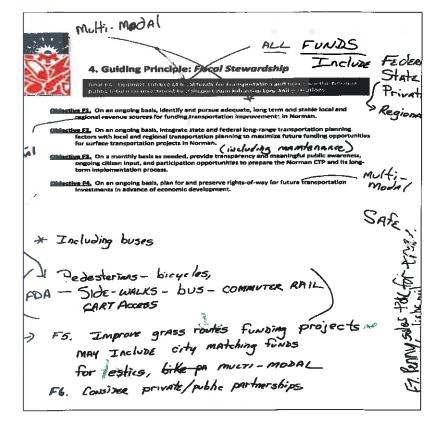
Norman CTP Sub-Committee Meeting #1 Freese and Nichols Flip Chart Notes from February 7, 2013





Norman CTP Sub-Committee Meeting #1 Freese and Nichols Flip Chart Notes from February 7, 2013





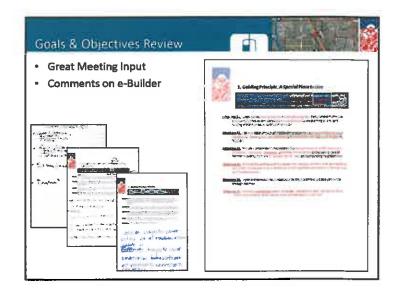
Sub-Committee Meeting #2: February 18, 2013

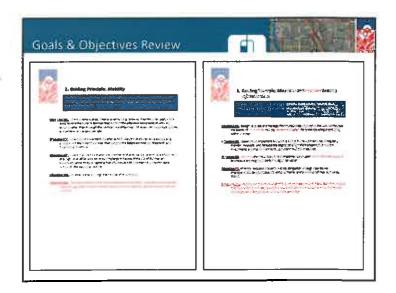
Norman CTP Sub-Committee Meeting #2 — Existing Conditions February 18, 2013



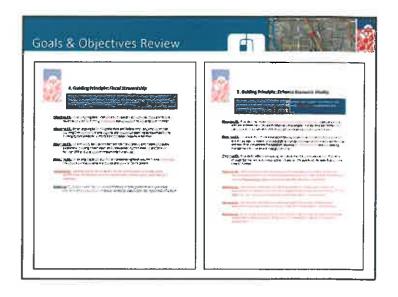
| Agenda | |
|---------------|--|
| 6:00-6:30 | Goals & Objectives Review and Existing Conditions |
| 6:30-6:35 | 5 Minute Break |
| 6:35-7:30 | 1 Hour Breakout Sessions |
| 7:30-7:35 | 5 Minute Break |
| 7:35-7:55 | Modal Group Summaries |
| 7:55-8:00 | Next Steps |
| Meeting Goal: | Obtain Sub-committee input to transportation system existing conditions. |
| | |

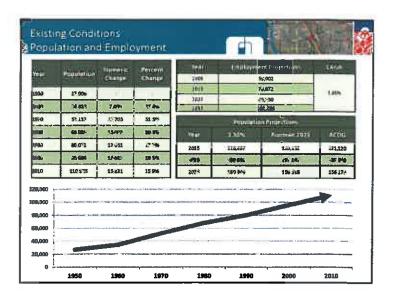
Norman CTP Sub-Committee Meeting #2 – Existing Conditions February 18, 2013



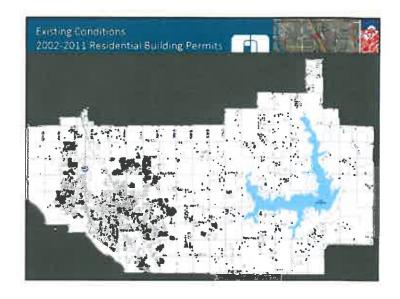


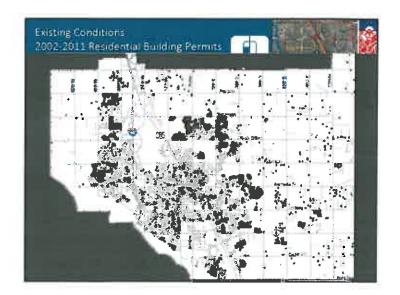
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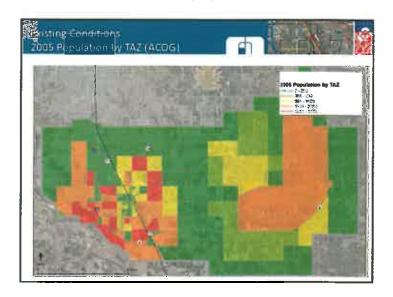


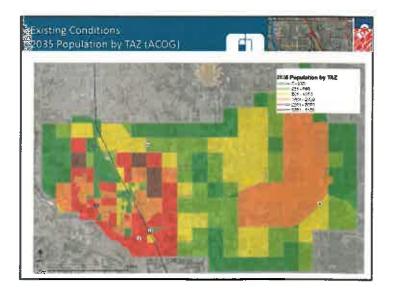
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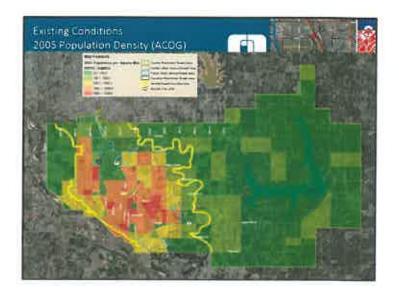


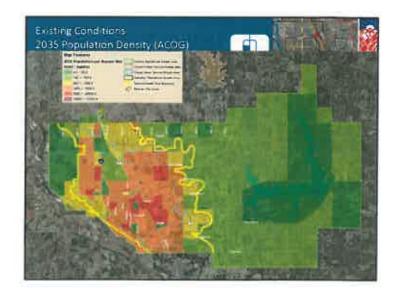
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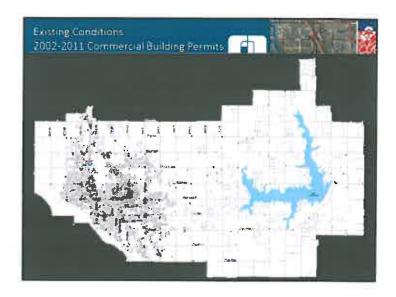


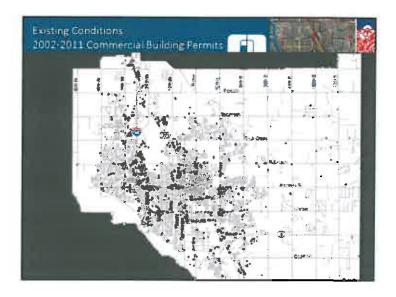
Norman CTP
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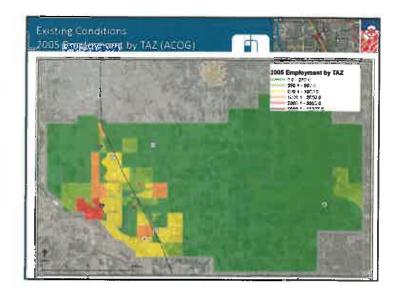


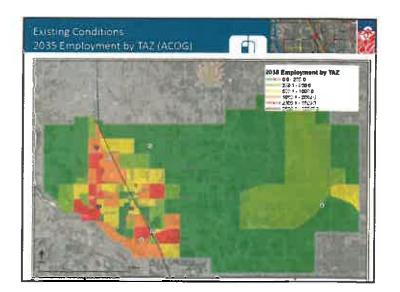
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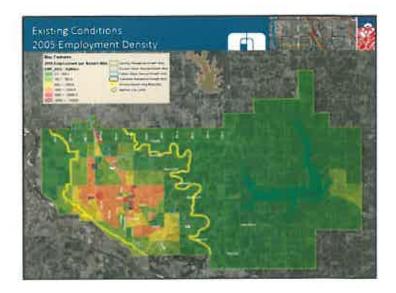


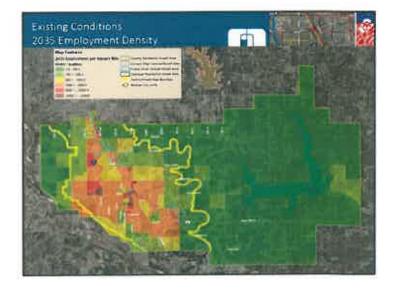
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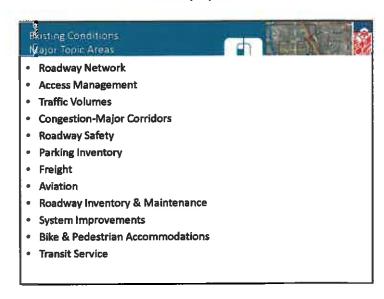


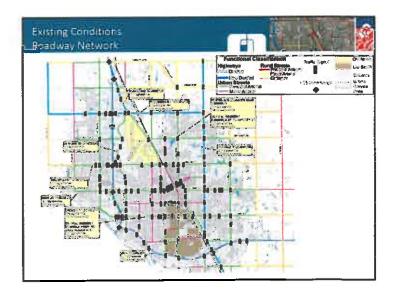
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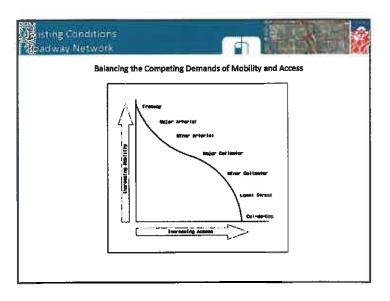


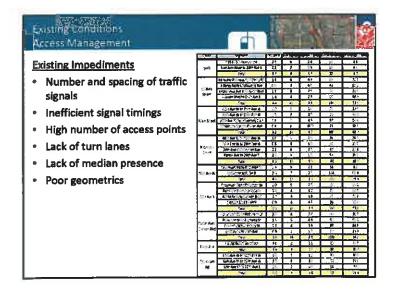
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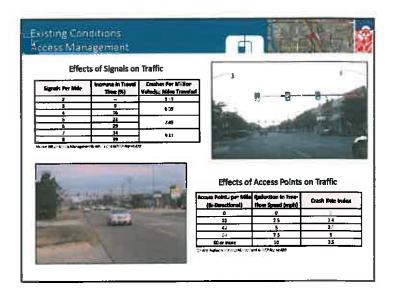


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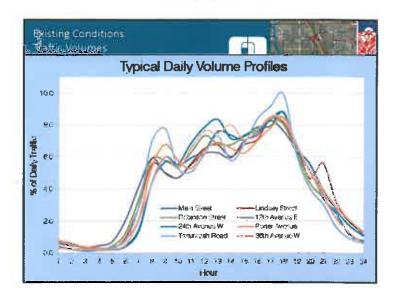


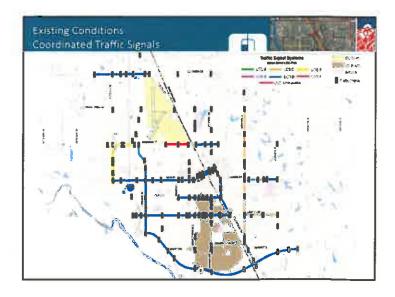
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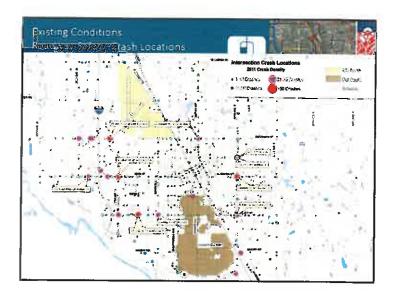


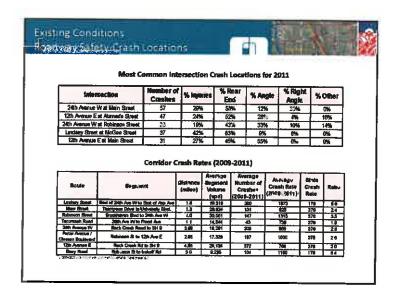
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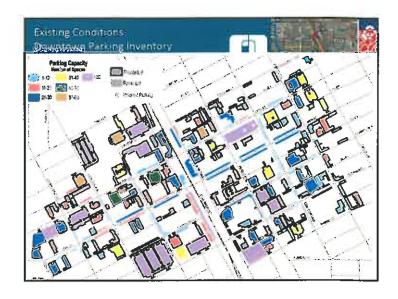


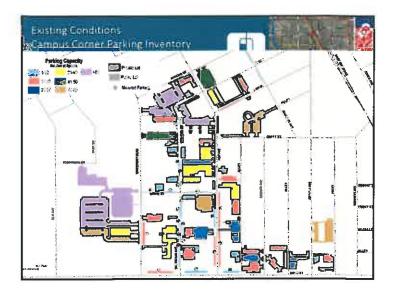
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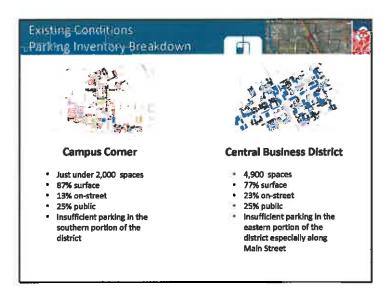


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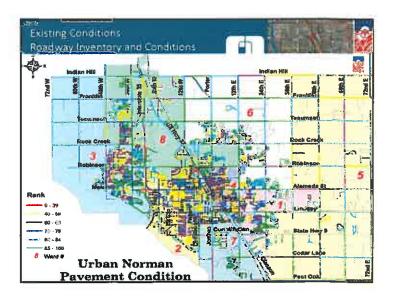
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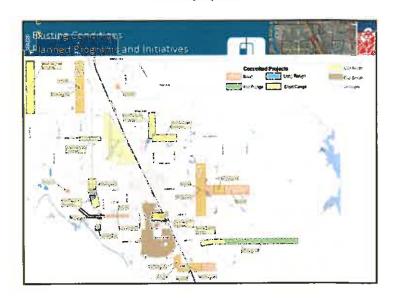
Existing Conditions Freight Operations Rail - BNSF "Mid-Con" corridor - 50 million tons of freight per year Passenger Rail - Amtrack's "Heartland Flyer" - Along BNSF Line - Service Between Oklahoma City and Fort Worth - 84,000 annual ridership - On Average 10% originate/destined for Norman. Numbers differ by year (In 2011, 12% originating/destined for Norman) **Truck Operations** - Interstate 35 (15% Truck Traffic) - SH 9 (6% Truck Traffic)

Norman CTP
Sub-Committee Meeting #2 – Existing Conditions
February 18, 2013



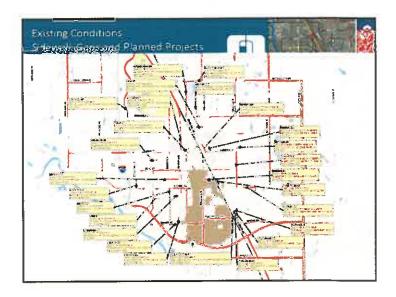


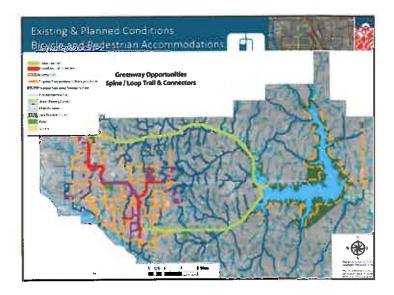
Norman CTP Sub-Committee Meeting #2 – Existing Conditions February 18, 2013



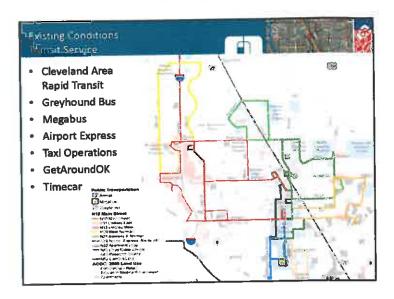


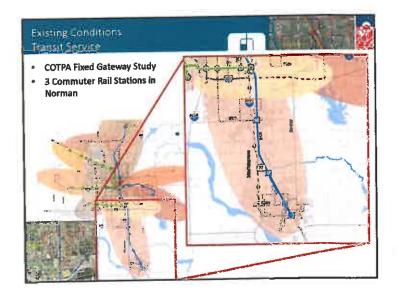
Norman CTP
Sub-Committee Meeting #2 – Existing Conditions
February 18, 2013



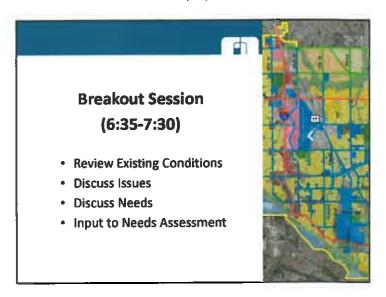


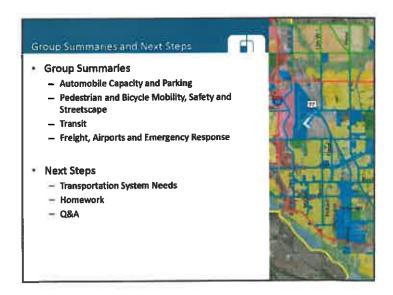
Norman CTP
Sub-Committee Meeting #2 – Existing Conditions
February 18, 2013





Norman CTP Sub-Committee Meeting #2 – Existing Conditions February 18, 2013





Sub-Committee Meeting #2 Flip Chart Notes: February 15, 2013

-Homor + Protect youing around airput to serv freight, rail, + air.

- Football + Event congestion impedes response - significant issues at Porter. Solution - addition

- @ Grade rail crossings are an issue for EMS/Asp - Needed requested at Tecamseh and Lindsey would give access through fown every 2 mile

· More Infrastructure and wider corridors

· Zonning modifications that allows conflicts with traffic types (passenger/ Freiht)

JIDEN BUTY @ N of 9 him Main + Lindson

PARKING

-CAMPUS CORNERS DOWNTOWN GARAGE

-MONTOR COMMY GARAGE TALKS

- HIGH DONGTY POSSIBLE SOLUTION

- PACKING TRANSPORTATION AUTHORITY

- VPDATE "CALTEL BURGESS STUDY"

- CAMPUS CORNER METERS

BUS PARKING IN DT + CC?

OBETHEEN BEREY & FLOOD & POETEL

NOT ENOUGH NORTH-SOUTH

CAPACITY!

SOLUTION? -NEW ROAD

THE DEVELOP

O PROBLEMS BEING FIXED (LINDSCY, XLM, 9, FLOOD, BELLY) & PORTER 1-35, MAIN)
NOOD FIXED

- · CONNECTIVITY BETWEEN DOWNTOWN & COMPUS COPIEL
- · "TECUMSEH BRIDGE" TO FROM NEWCASTLE

Sales tax * time-limit

Property TAX

Development Fees

RAISE FAREbox

MAKE A FREE!

Commuter Rail

Limited Service hours

Limited frequency

Create a grid system

Local funding source

Regional Transportation Authority

High desting - transit options

TIF Value Capture

Fixed Guideway

- DEEDS

 Sidewalk Bank apply foods to immediate needs

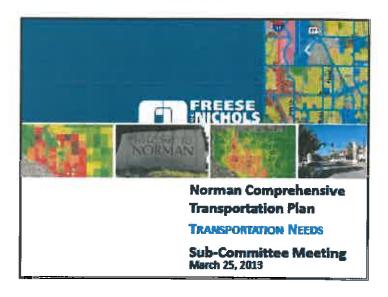
 (install complete laters)
- · Safety/Mo bithy doring constr.
- · Wis is responsable for fixing your sidewalk?
- · No mid actions where sidewalks and
- Fronties:
 Schools (5875) (og holling schools new ton)
 parks access from norghodina
 granhest kommister has privington since)
- · Encouragement

 no perking nood? make loops for brighing.

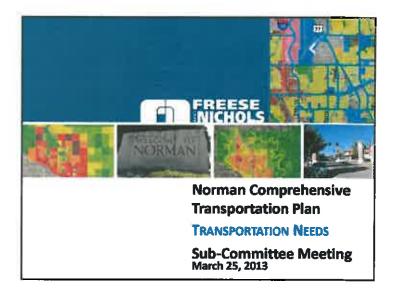
 no traffe source? make loops for brighing.
- Fund of teas
- sales two

Sub-Committee Meeting #3: March 25, 2013

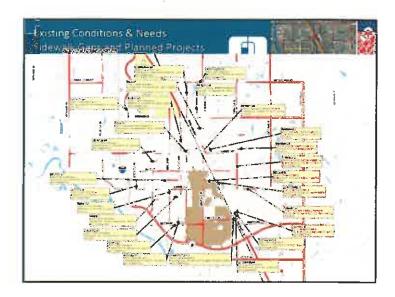
Norman CTP Subcommittee Meeting #3 - Needs and Projects March 25, 2013



| Agenda | |
|---------------|--|
| 6:00-6:30 | Review Transportation Needs |
| 6:30-6:35 | 5 Minute Break |
| 6:35-7:30 | 1 Hour Breakout Sessions |
| 7:30-7:35 | S Minute Break |
| 7:35-7:55 | Modal Group Summaries |
| 7:55-8:00 | Next Steps |
| Meeting Goal: | Obtain Sub-committee input to transportation system needs and potential projects & programs. |



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| 7:55-8:00 | Next Steps |
| Meeting Goal: | Obtain Sub-committee input to transportation system needs and potential projects & programs. |



Transportation Needs: Motor Vehicles & Parking



- REGIONAL
- Potential E-W connection: "Tecumseh Bridge" to/from Newcastle
- In Berry/Flood and Porter corridor, not enough North-South roadway capacity.
 Potential Solutions: New road or widen existing roads
- Robinson, Main and Boyd not good LOS in ACOG future projection
- LOCAL
- Enhanced connectivity and synergy between Downtown and Campus Corner
- Parking needs: Campus Corner & Downtown off-street (garages)
 - Monitor County garage talks
 - High density development as possible solution
 - update the previous Parking Study
- Potential need for Parking Transportation Authority
- Campus Corner parking meters to manage preferred parking spots
- Bus parking/layover in/near Downtown and Campus Corner

Transportation Needs "Ricyclists, Penestroans, Streetscape



- Lots of gaps in sidewalks Need mechanism to close gaps in higher use areas.
- Subdivisions occur in scattered remote areas and get waivers from having to put in the sidewalks along the collectors/arterials. Potential solution: Sidewalk Bank.
- Better safety/mobility/warnings for pedestrians at gaps & during construction.
- Public information/clarification about responsibilities for fixing "your" sidewalk
- Have done lots of planning for blcycles and pedestrians, need to establish priorities to implement (Safe Routes to Schools/Transit, Access to Parks, etc)
- Need to provide encouragement for walking and bicycling:
 - Promotion of health benefits of walking and bicycling
 - Enhanced aesthetics of streets. Sidewalks away from back of curb.
 - More and better parking for bicyclists
 - Increase cost of parking for cars
 - Enhance bicycle provisions on street, such as bike boulevards, bike lanes, etc.
 - Create area interest "loops" for bicycling.
- Funding ideas: dedicated budget item, 50/50 cost sharing, sidewalk bank

Transportation Needs: Transit



- Enhance currently limited service hours
- · Increase currently limited service frequency of individual routes
- Expand to more of a grid system
- Support a Regional Transportation Authority
- Promote development of the regional commuter rail system
- Support higher density development, increasing transit efficiency and options
- Consider Value Capture (TIF) for potential commuter rail stations to enhance and advance funding for transit supportive station area development
- Funding will be a severe limitation. Need to dedicate a local funding source
- · Potential funding strategies:
 - Sales tax (time limited), Property tax, Development fees, Student fees, Farebox fees
- Make service free (temporary or permanent) to promote usage

ransportation Needs: Ereight, Airports & Emergency



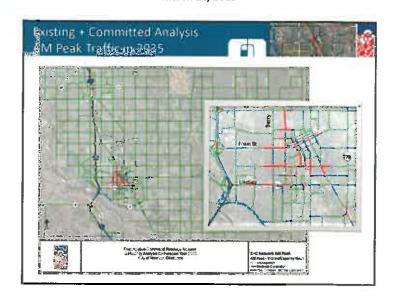
- Honor and protect zoning around airport and industrial districts to serve freight, rail and air transportation needs
- Football and special event congestion impedes emergency response. Significant issues at Porter. Potential solution – additional or designated lane infrastructure
- At-grade railroad crossings are an issue for EMS/first responders.
 Undercrossings at Tecumseh and Lindsey would give grade separated east-west access through town every 2 miles
- Overall, need more infrastructure and wider corridors
- Zoning modifications allow conflicts with traffic types (passenger/freight)
- Widen Berry @ between Main and Lindsey; extend Berry to Hwy 9

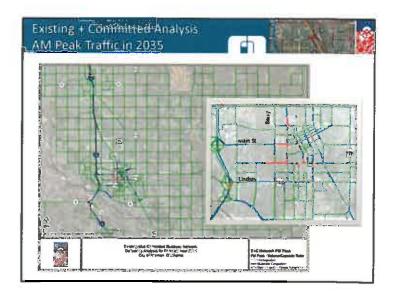
Transportation Needs Draft Chapter

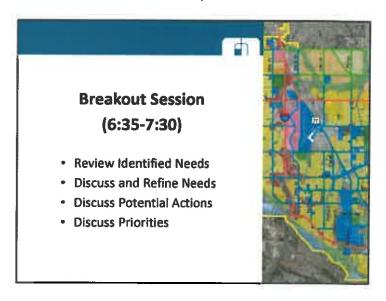


- Highlights elements from Current Conditions and Trends appendix
- · References the materials in the appendix
- Incorporates the Needs input from Subcommittee meeting #2
- · Sets the stage for identification of projects and programs

Norman CTP
Subcommittee Meeting #3 - Needs and Projects
March 25, 2013









Sub-Committee Meeting #3 Flip Chart Notes: March 25, 2013

LINDSEY

BERRY TO ELM

- THREE LANE ENTIRE PORTION

 THE CURRENT BOND PROJECT GOES THRE
 THE BRIDGE FASTOF BERRY

 EAST BOUND AT INTERSECTIONS OF

 LINDSEY AND BERRY RIGHT LANCE

 SMOULD BE RIGHT TURN ONLY.
- · LEAVE BIKE LAMBS IN THE OTH

Internal/External Connections

Tecumsely to 144 - bridge expensive 36th E to 1240 - coord by neighbors to preserve ROW

Sooner- dto. 3

60th H to 1240 - already on neighbor's

Sooner - as i35 reliever route 36 th E - can quide traffic from E to 12 to w/o having to grow through Norman Strategies to manage access
and facilitate & to downtown
back door access
avoid similar issues non
constricting exist streets; i.e Lindsey
e need better coord my Land Use
t no interest in paying for bridgets
Newcastle

K Commuter Rail over HOV
but needs supportive infrastructure
i.e. parking
5 60° W - why spend & in foodzon

near SH9 - capture traffic from

E + S; new development

Apartments, Section 8 th

Lindsey - Stopon OU property; OU fundin

Special event station

Downtown - connection to Auntrale &

Buses

Near Teamsch - for University North

Park development

Freference to not put more

\$\into \text{street improvements}\$

(such as under/overpasses)

but instead invest into other

Modes

ELM TO JENKINS

- PEOPLE WOULD NOT BE ABLE TO VIEW THE CAMPUS WHILE IT
- > COST TOO WIEW!
- MODRE BENNEFIT TO THE UNIVERS
- PEDESTRIAN BRIDGE WOULD BE MOOFF APPROPRIATE - WOULD HAVE TO DETOURE PED. TRAFFIC EXC CLOSSING THE STEET AT GROUND LEVEL.

RR UNDERPASS

STORM WATER FOULD BE AN ISSUE. - LOW POINT LARGE BASIN FLOWS TO THIS REED, COST WILL BE HIGH BENHERITY MODE THEN CITY.

1 15 THRE ENOUGH OF A CONFLICT

University to Main St

- ·BL's on University Blud
- · Crossover on Apache (Sharrows)
- · BL's on Webster Ave.
- 10 foot travel lanes
- 4 to 5 foot bike lanes
- Offset wide sickwalks both Fides On University and Webster to Whin St
- Confer with BUS operations for operating in 10' lanes on Webster
- Delivery truck mobility on Webster/Asp

Main / Gray Couplet

- · Reduce to 2 lanes each
- · Options for using the 121 width

 wider sidewalk (me or both sides)

 buffer between lanes and parking

 bike lanes

 · Option to change to Back-in angled parking

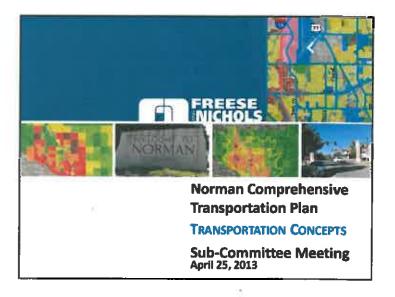
 along right-hand side
- * Need to accomposate 18-wheeler trucks, turn
- Need to get Downtown business buy-in
- · Assure ample capacity for future

| | | 30 | Pr. | | | 1888 |
|------------------------|---|------|-----|-----------|-------|-----------|
| Projection | Fequin/Yes | | | | . 2 | |
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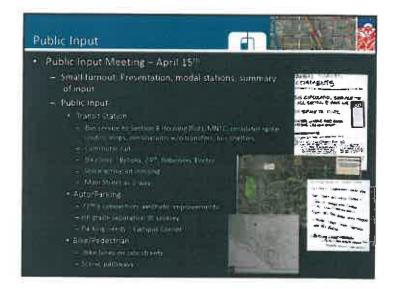
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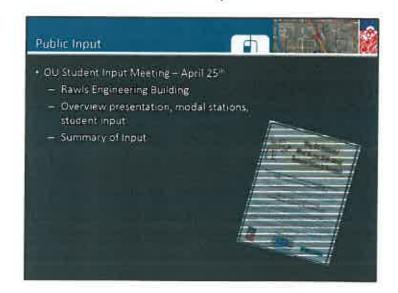
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Sub-Committee Meeting #4: April 25, 2013

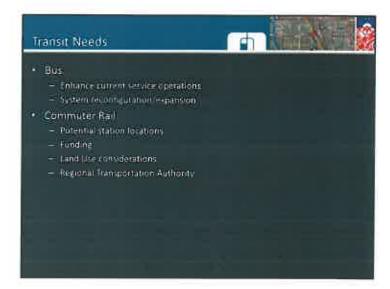


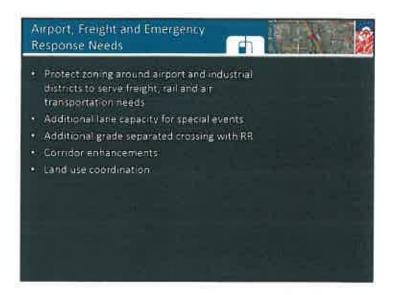
| Agenda | |
|---------------|---|
| 6:00-6:15 | Review Transportation Needs/Group Assignment |
| 6:15-6:20 | 5 Minute Break |
| 6:20-7:20 | Mixed Modal Work Session |
| 7:20-7:25 | 5 Minute Break |
| 7:25-7:55 | Work Group Summaries |
| 7:55-8:00 | Next Steps and Wrap-Up |
| Meeting Goal: | Refinement of transportation concepts and Sub- committee input of concept planning prioritization. |
| | |











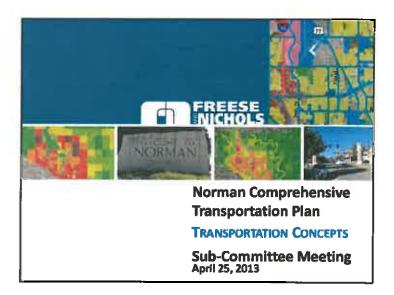


Norman CTP
Subcommittee Meeting #4 – Transportation Concepts
April 25, 2013









Sub-Committee Meeting #4 Flip Chart Notes: April 25, 2013

Internal/External Connections

Technisely to 144 - bridge expulsive 36th E to 1240 - coord by neighbors to preserve ROW

Sooner- dto. 1

60th N to 1240-already on neighbor's

Sooner - as i35 reliever route

36th E- can quide traffic from E to 12to w/o having to grow through Lorman

Internal connections

Strategies to manage access and facilitate Eto downtown

- back door access
- : avoid similar issues non constricting exist. Strets; i.e. Lindsey
- & need better coord. my Land Use
- * no interest in paying for bridge to Newcasite
- * Commuter Rail over HOV but nuds supportive infrastructure

5 60 th W. Why spand & in floodzon

near SH9 - capture traffic from

E+S; new obvelopment
Apartments, Section 8H

Lindsey - Stopon OV proporty; OV fundin
Special event station

Downtown - connection to Auntrale &
Buses

Near Technisch - for University North
Park development

Freference to not put more

\$ into street improvements
(such as under/overpasses)
but instead investinto other

Modes

ELM TO JENKINS

- PEOPLE WOULD NOT BE ABLE TO VIEW THE CAMPUS WHILE IT
- OST TOO HIGH!
- MODEL BENNEFIT TO THE UNIVERS.
 THAN CRY
- PEDESTRIAN BRIDGE WOULD BE MOOFF APPROPRIATE - WOULD HAVE TO DETOURE PED. TRAFFIC BRI CLOSSING THE STEET AT GROUND LEVEL.

RR UNDERPASS

- P STDEM WATER COULD BE AN ISSUE. LOW PDINT LARGE BASIN FLOWS TO THIS AREO, I COST WILL BE HIGH BENKERTS THE UNNERSITY MODER THAN CITY.
- 10 JUSTIFY IT.

University to Main St

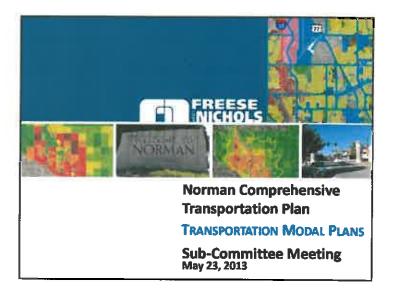
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- Confer with BUS operations for operating in 10' lanes on Webster
- Delivery truck mobility on Webster/Asp

Main / Gray Couplet

- · Reduce to 2 lanes each
- · Options for using the 12 with
 - wider sdewalk (one or both sides)
- buffer between lanes and parking
 bike lanes

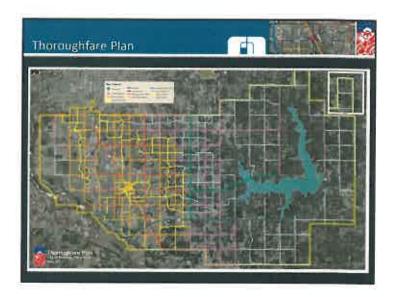
 Option to change to Back-in angled parking
 along right-hand side
- " Need to accommodate 18-wheder trucks, turn
- Need to get Downtown business buy-in
- · Assure ample capacity for future

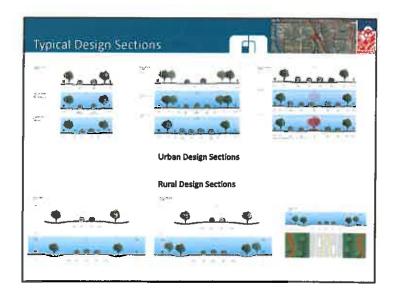
Sub-Committee Meeting #5: May 23, 2013



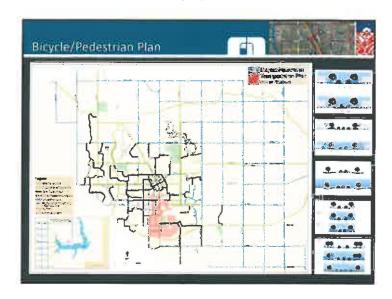
| genda | |
|------------------|---|
| 5:00-6:15 | Overview Modal Plans and Work Group Efforts |
| 6:15-6:20 | 5 Minute Break |
| 6:20-7:20 | Four Modal Groups Work Session |
| 7:20-7:25 | 5 Minute Break |
| 7:25-7:55 | Work Group Summaries |
| 7:55-8:00 | Next Steps and Wrap-Up |
| Meeting Goal: | Refinement of transportation modal plans and input on programs, project prioritization. |

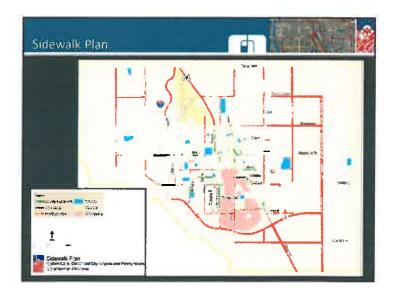
Norman CTP
Subcommittee Meeting #5 – Transportation Concepts
May 23, 2013



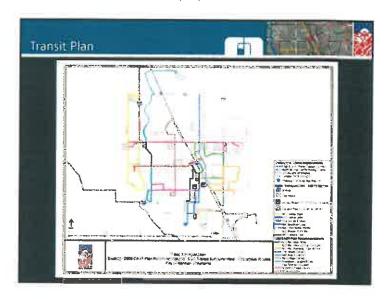


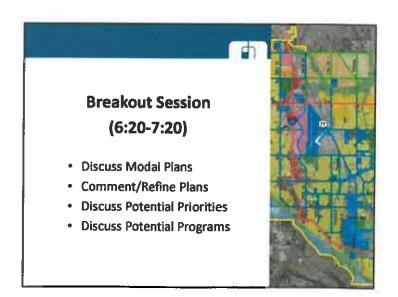
Norman CTP
Subcommittee Meeting #5 – Transportation Concepts
May 23, 2013



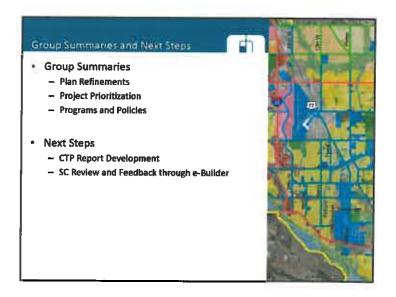


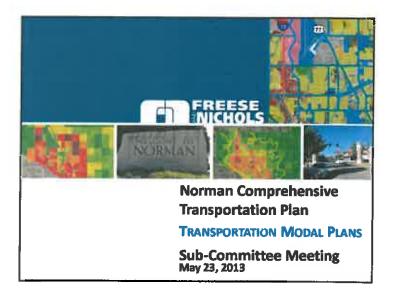
Norman CTP
Subcommittee Meeting #5 – Transportation Concepts
May 23, 2013





Norman CTP Subcommittee Meeting #5 – Transportation Concepts May 23, 2013



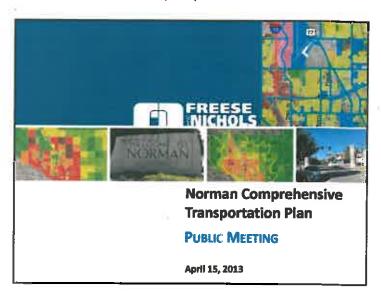


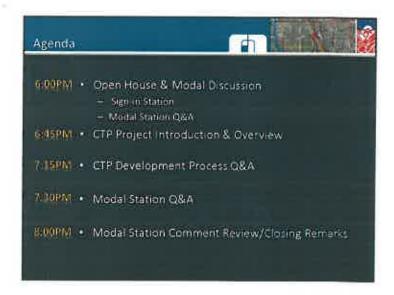
Public Meetings

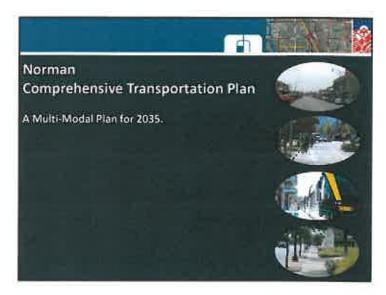
Two public meetings and several interim presentations were made of the project existing conditions and needs, modal plans, policies and programs and implementation strategies for the CPT. These meetings included:

- City Council Briefing on Goals & Objectives, Existing Conditions and Needs
- Public Open House #1: Goals & Objectives, Existing Conditions and Needs
- OU Student Open House Goals & Objectives, Existing Conditions and Needs
- Presentation to Chamber of Commerce Airport & Transportation Committee
- Presentation to City Bicycle Advisory Committee
- City Council Briefing on Modal Plans, Policies and Programs
- Public Open House #2: Modal Plans, Policies and Programs
- Public Hearing #1: Modal Plans, Policies and Programs, Implementation
- Public Hearing #2: Modal Plans, Policies and Programs, Implementation

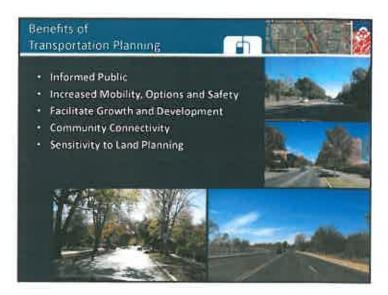
Public Meeting #1: April 15, 2013

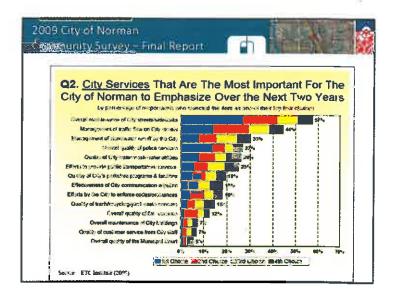


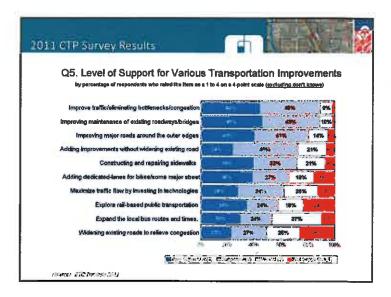


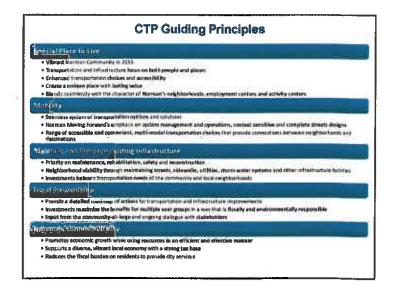




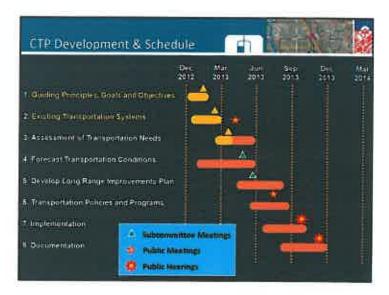




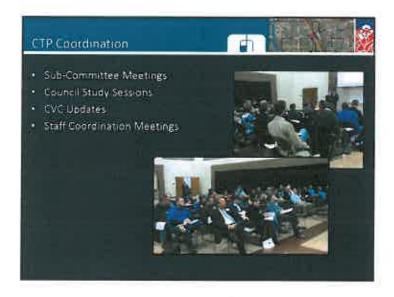




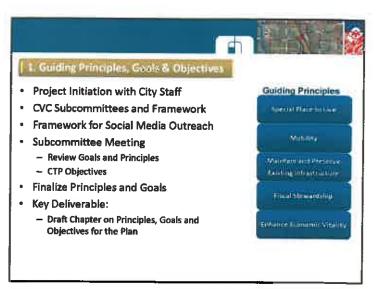
Norman CTP Public Meeting No. 1 April 15, 2013

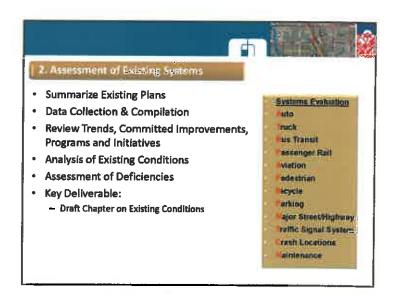




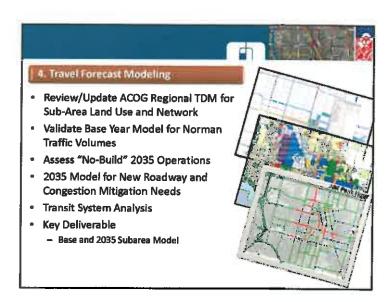


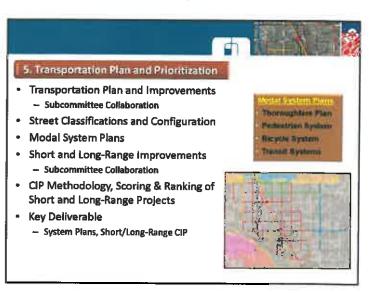
| Project Tasks | |
|---|--|
| 1. Guiding Principles, Goals & Objectives | |
| 2. Assessment of Existing Systems | |
| 3. Assessment of Needs | Photo variable? No. Arman var |
| 4 Travel Forecast Modeling | The state of the s |
| 5. Transportation Plan and Prioritization | |
| 6. Transportation Policies and Programs | |
| 7. Implementation | |
| B. Documentation | |



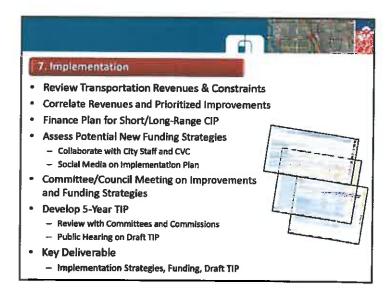


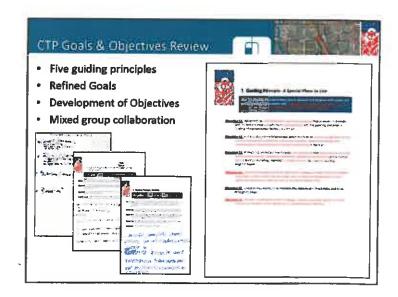


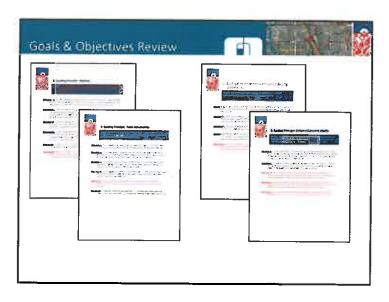


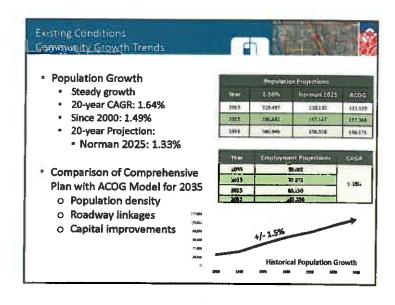




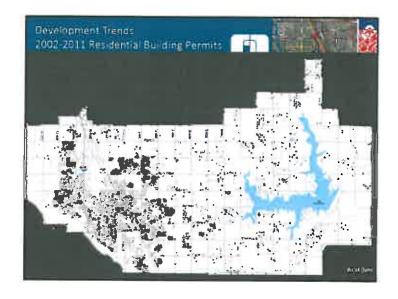


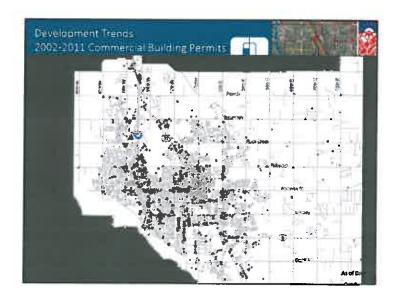




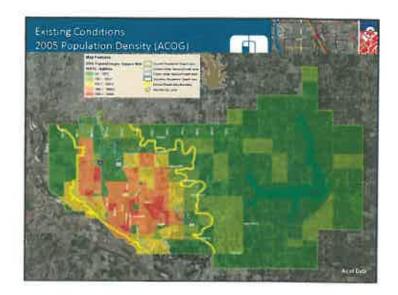


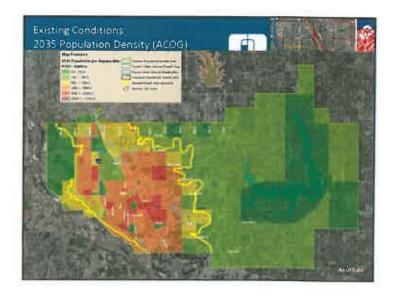
Norman CTP Public Meeting No. 1 April 15, 2013



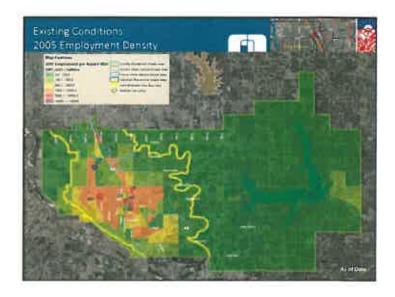


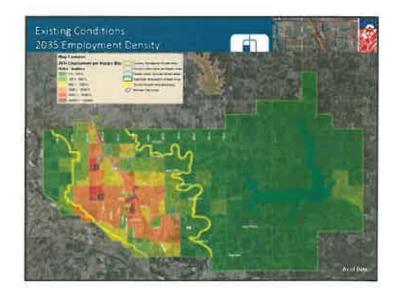
Norman CTP Public Meeting No. 1 April 15, 2013



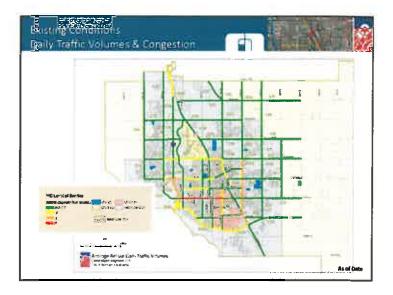


Norman CTP Public Meeting No. 1 April 15, 2013

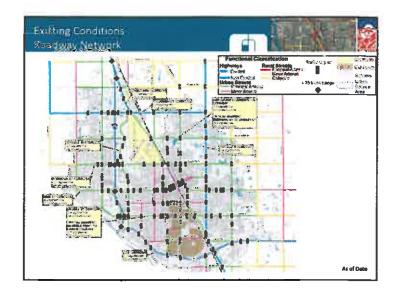


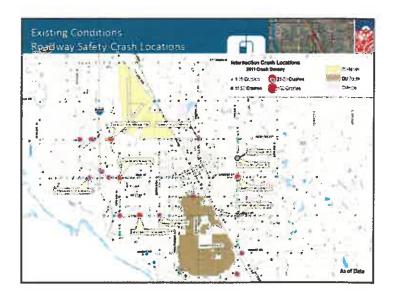


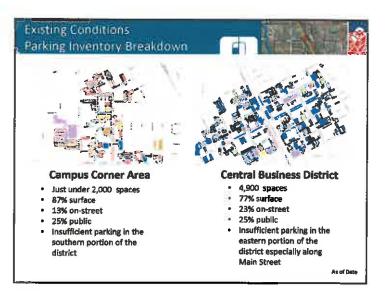


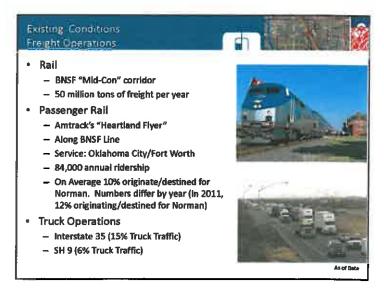


Norman CTP Public Meeting No. 1 April 15, 2013

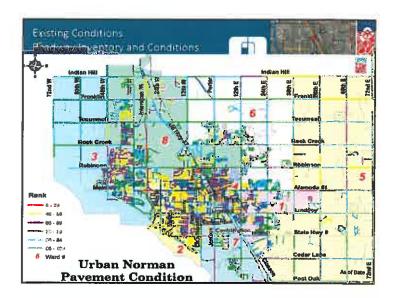




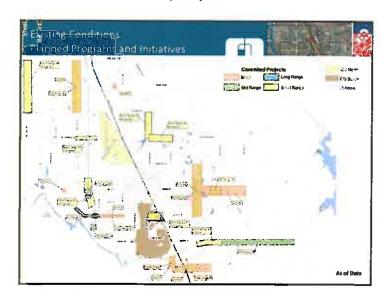






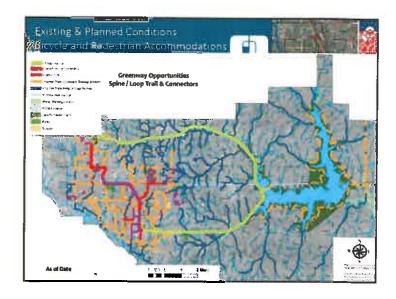


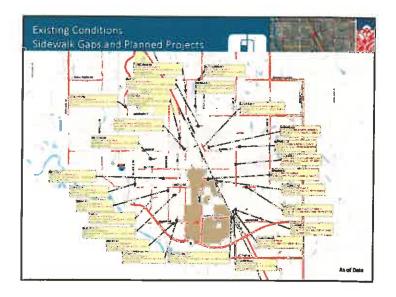
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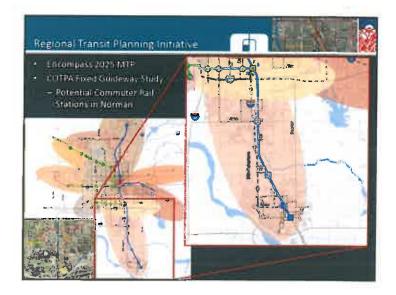
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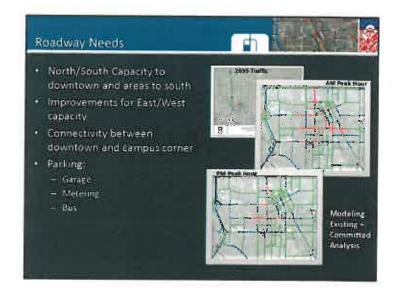


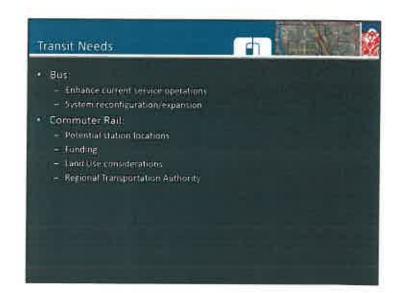


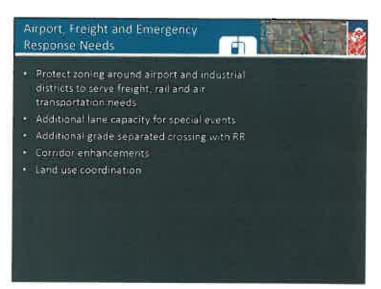
Norman CTP Public Meeting No. 1 April 15, 2013

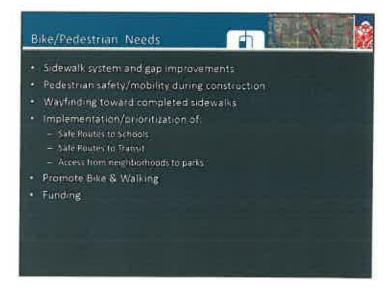


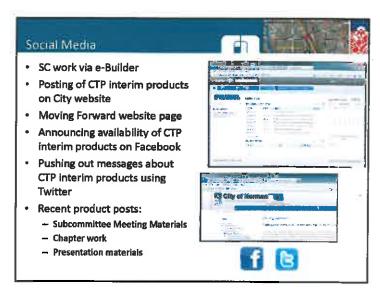


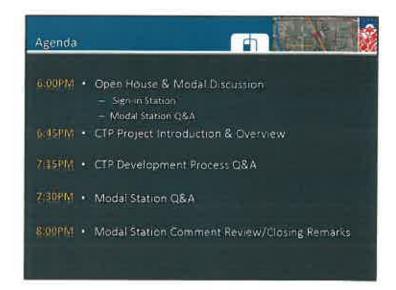


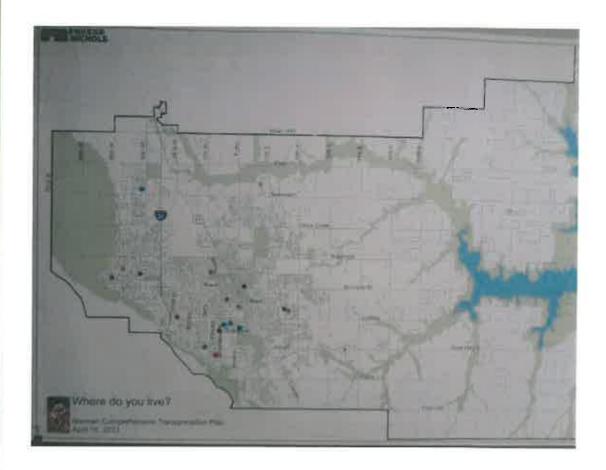












Public Meeting #1 Flip Chart Notes: April 15, 2013

- · Parking needs in Compus Corner
- · Aestheric Improvements needed along

Main Street and Lindsey Street -

- These are governous into Norman · 72 nd Street Connection needed
- · Multi-Use Path needed around Airpore over the Railroad. Separation
 - Parleing Garage Toursel Transportation suprements (NOW-CARBAGE)

Shared bite car 12005 stated to poets on through side streets, not being noun

I would like move scenic bathways for vunning and bulang they don't need concrete just a nice natural ration.

COMMENTS

· Bus Rt. on Boyd Loop Porter-Man

Bos Rt (2008) 24th St should go one that mi south to I have an arm / here Inhalt y back to west on I'm half (Marken on 20th) were

Voice activated pedestrian crossing on Main Crossing 12. Bus stop at CSB1 (12th Emain) Riders walking across 12th need a longer agale time

Need bus system to take riders to major destinations without transfermin between rootes.

DOUBLE TRACK RR FOR CHANNER RAILTO 6 CREATE SIMPLER SPINE

Inclinent weather scaling of bus Ms (More when it rows) COMMELTED CLOSED LOOP SYSTEM ON BROOK STREET MILLIO STREET (SUDNER MALL TO 29th STREET) - TWO WAY -

Parking needs in Compus Comer

- · Aesthetic Improvements needed dlang
 - Main Street and Linkrey Street -
- These are governous into Norman · 72 nd Street Connection needed
- · Multi-Use Path needed around Airpore
 · Lindsey Street Grade Separation

 over the Railroad.
 - Parking Garage trades Transportation upromests (Non-CAR BASE)

Spared bike/car roads sound by concruit on through side streets, and large pann comedors

would like more scenic pathways for vurning and bing liver don't need curvate just a nice natural reflower

RANGIT STATION COMMENTS

BUS CIRCULATION SERVICE TO ALL SECTION & HOUSING

BUS FRIKE TO MUTC

CARDAR LINEAR FIXED ROUTE CARDAR (REINSON STREET)

Grid System bus routes would reduce trough time

TRANST NEEDS PLAN EBPANESTALT BOA CARD

SHELTERS AT ALL STOPS IT'S HOT! IT'S COLD SHELTER.

MORE THAN 3 BLOQUES FER BUS IT'S A CARDINOT IP THE

NOT J'ST ONE WHO IT THOSE ABOY TO ALL HAVE ROUTED

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THAT'S TOWN A HUME TO AMA.

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WISH SIATION COMMENTS

BUS CIRCULATION SERVICE TO ALL SECTION & HOUSING

305 SERVE TO MUTC

ansider linear fived roupe TREDUS (PAINSON STRUTT)

arid system bus routes would reduce trough time TRANST NEEDS PLAN SERVICTIVE & ON CARD

SHELTERS AT ALL STOPS IT'S HOT! IT'S COLD SHELTER

MORE THAN 3 BICYCLES FOR BIG- IT'S A CARDINOP ID THE

NOT JUST DIE WAY . IT THAN BOTH

1 HP B G. FROM LIBRARY DO AND.

BACK TO LIBRARY THAT'S A LAKE DAY.

BROWN SHELD BE BON TH. I I PAY FROM SHELD WOOD LIBETT

TRAIS TOWN A WISE.

COMMENTS

Bus Rt. on Boyd Loop Porter-Man Barry Bus Rt (2008) 247 St should go another me south to 1/4/2 Inhoff & buch to west on In hoff (Marker on 2011/41)

Voice activated pedestrian crossing on less crossing 12. Bus stop at CSBI (1252 main) Riders walking across 1255 need a longer ayole time

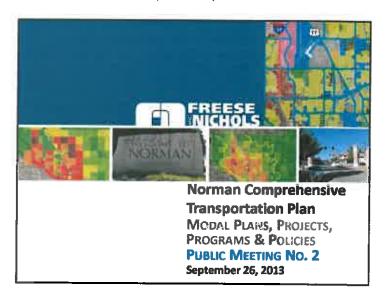
Need bus system to take riders to major destinations without transferri between routes.

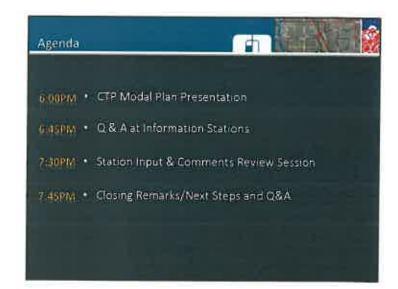
DOUBLE TRACK PLR FOR COMMITTER PAILTO , COUNTE SINVIER SPINE

Inclinent weather scaling of bus 143 (More when it rates) CONNECTED CLOSED LOOP SYSTEM ON BROOK STREET MAIN STEET (SURVER MALL TO ZOK STEET) - TWO WAY

Public Meeting #2: September 26, 2013

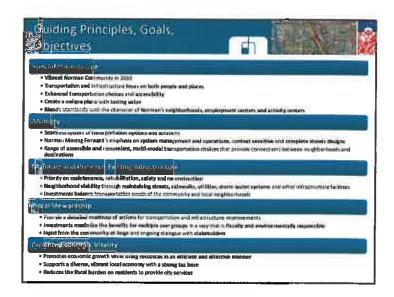
Norman CTP Modal Plan Public Meeting #2 September 26, 2013

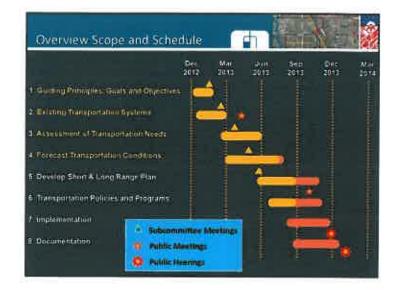


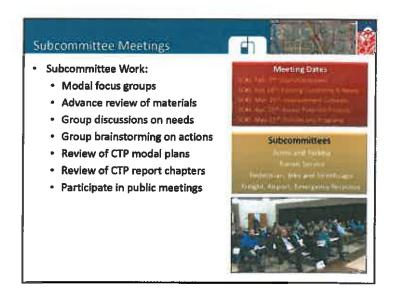


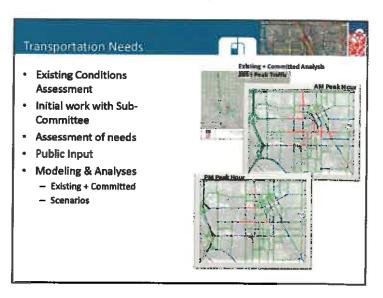
Norman CTP Modal Plan Public Meeting #2 September 26, 2013

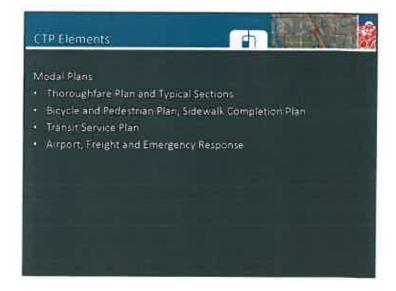


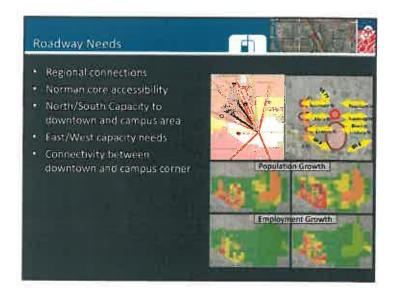




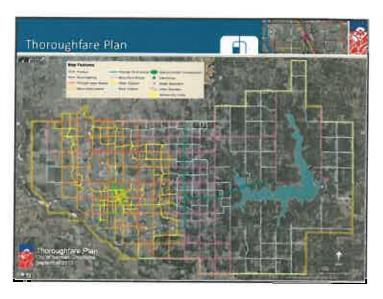




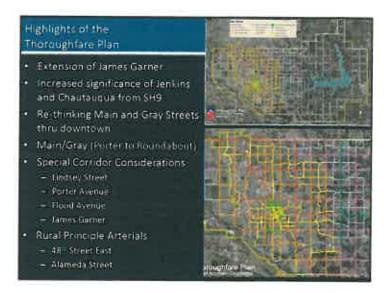


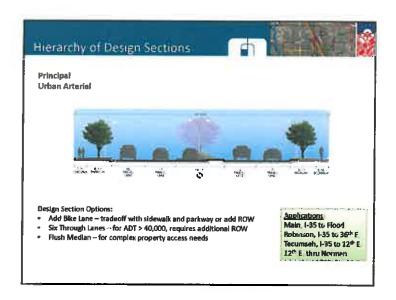


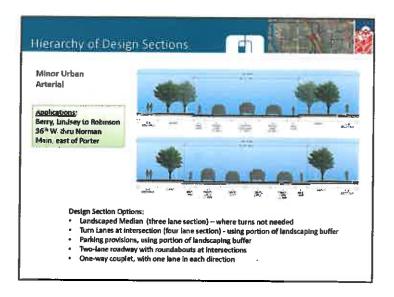


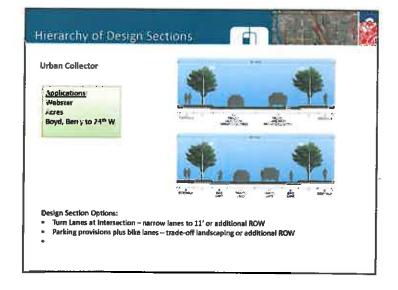


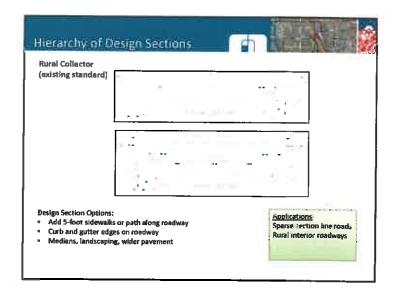
Highlights of the Thoroughfare Plan • Added definition to functional classification and network • Design options for readway sections • Formalization of internal loop for regional connection • Identification of Collector network supporting section grid • Creation of Special Corridors • Railroad grade separations at Tecumself and Lindsey



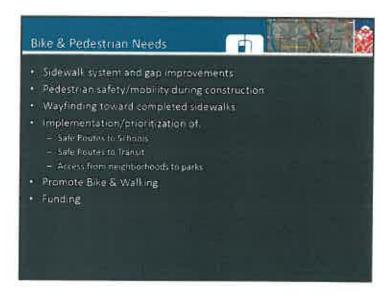




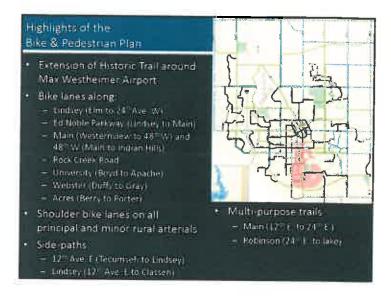


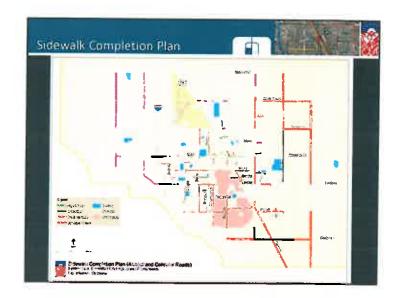


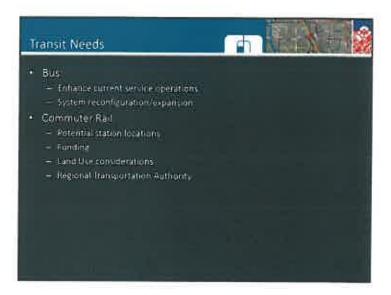


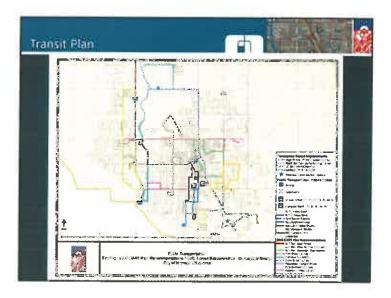




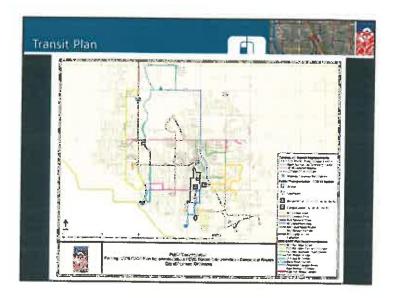


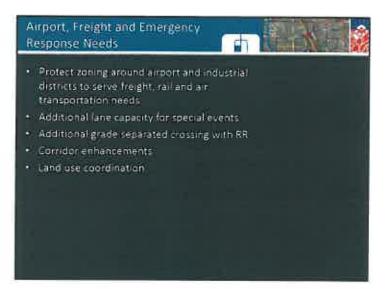


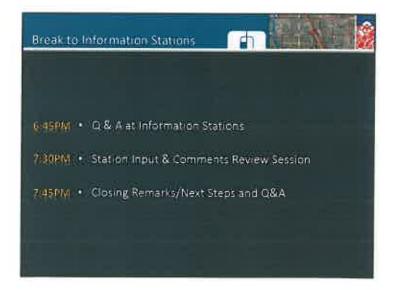


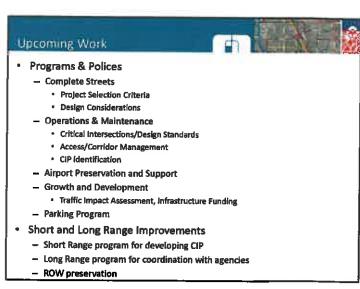


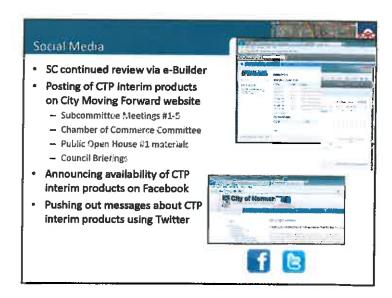


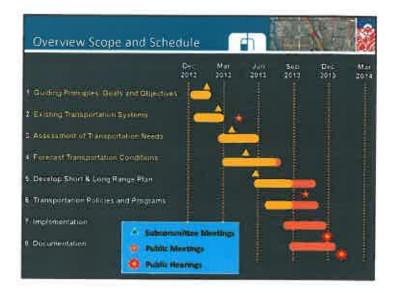


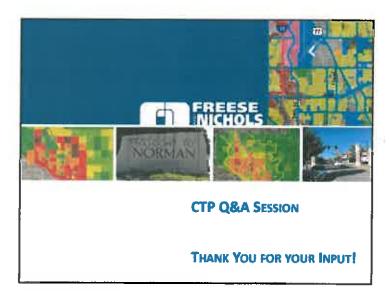












Public Meeting #2 Flip Chart Notes: September 26, 2013

BIKE/PED

COMMENTS

Any street upout a like law
Wan "advanced voute"

· connect Elm to Berry on Lindsey
with a bibe/ped lane on Parson

Sidewalk Pickard to Chautaugus on Parson

Sidewalk tecunsen intront of OFF sub

Just W. of 36thw - creates complete path

Sidewilk from Cloudand Elm to Main doi

Matle? Wald comment school to out

Sidewilk from Cloudand Elm to Main doi

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Sidewilk from Cloudand Elm to Main doi

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Comment a Multiple part of the in

arrowed Neghberner - Heart lovel, fee

20th to connect by legacy train

* Complete spewark wish of W36" on Rocker

Improve and Extendi Johns Camer from Robinson to Minin

REMOTE GOLDE SEPARATED CROSSING AT

CONSING AT CLASSEN. FIXE STATION IS

· Principal Whan Arthrial: has bite lance

· On-strat hite was

Specify Linder Lethern Porg-Jenking

Extent Santa 1-027-

THOROUGHFARE
COMMENTS
· Keep Tecomsch speeds down
· All bits lanes on Tecomsch
- Zeluce Tecomsch spel limit exist of
12th Ane E.

Complete James (FAMER (FRATS) N.

to Rabyingan

(out Technology from 45th East to 12th

E PRESIDENT TO ELAST

CONNECT E LINDSEY SETWEN STYGON-FIRE PRESER

TRANSIT

- Brooks Station full-time Station
- · Update the transit routes to the latest version, please

the set I per the provided new

2011 Norman Community Transportation Survey