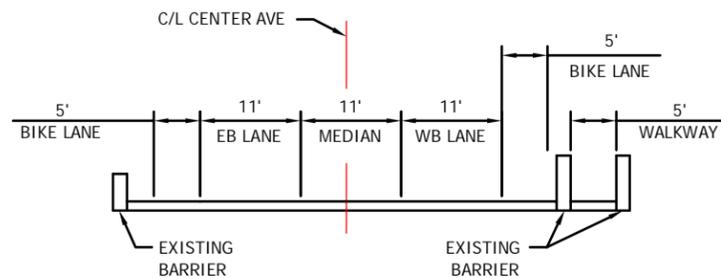
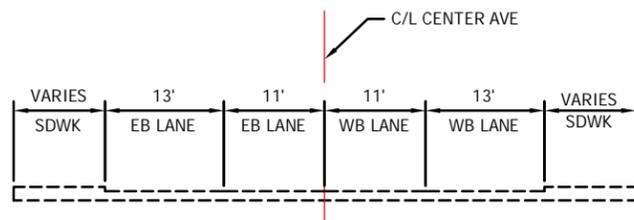


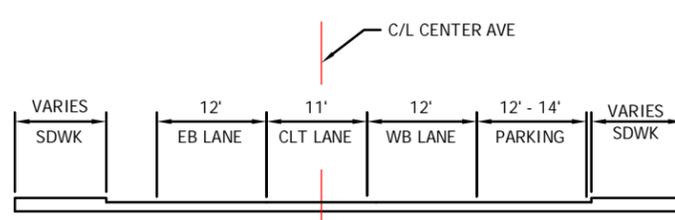
EXISTING BRIDGE TYPICAL SECTION



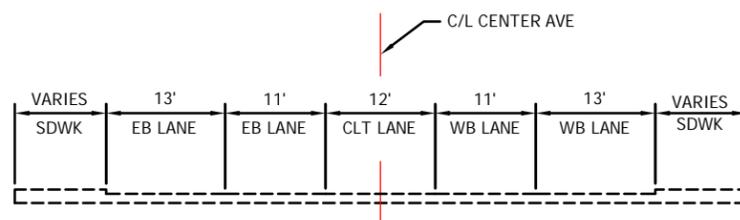
PROPOSED BRIDGE TYPICAL SECTION



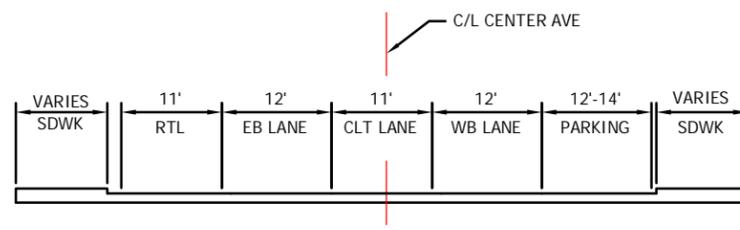
EXISTING 4-LANE TYPICAL SECTION



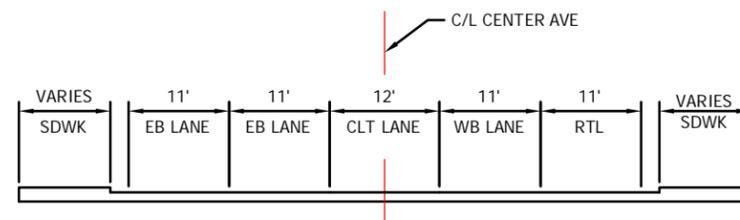
PROPOSED 3-LANE TYPICAL SECTION W/PARKING



EXISTING 5-LANE TYPICAL SECTION



PROPOSED 3-LANE TYPICAL SECTION W/PARKING & RIGHT TURN LANE



PROPOSED 5-LANE TYPICAL SECTION

ALTERNATIVE DEVELOPMENT A - CONSTRUCTION NOTES:

MILL AND OVERLAY ALONG WITH RE-STRIPING CENTER AVENUE ACROSS THE RED RIVER BRIDGE ALL THE WAY TO 8TH STREET AS A 3-LANE FACILITY WITH BIKE LANES AND NO ON-STREET PARKING. THE 3-LANE SECTION ACROSS THE BRIDGE WILL BE TWO EASTBOUND THROUGH LANES AND ONE WESTBOUND THROUGH LANE. THE INSIDE THROUGH LANE WILL BECOME AN EASTBOUND LEFT TURN LANE AT 4TH STREET. EAST OF 4TH STREET THE 3-LANE SECTION WILL BE ONE LANE IN EACH DIRECTION WITH A CENTER LEFT TURN LANE. THE BIKE LANES WILL END AT 7TH STREET.

BIKE LANES END AT 7TH STREET WITH SIGNAGE TO GO NORTH ON 7TH STREET. NOTE: A BICYCLE RIDING IN THE ROADWAY - EVEN IN A BIKE LANE - WISHING TO TAKE A LEFT TURN SHOULD DO SO IN THE CENTER LEFT TURN LANE TO TURN NORTH, EVEN WITHOUT A SIGNAL THEY WOULD NEED TO FOLLOW THE SAME RULES OF THE ROADWAY AND TURN LEFT IN THE CENTER LEFT TURN LANE AND YIELD TO ON-COMING TRAFFIC.

MODIFY RAILING ON SOUTH SIDE OF BRIDGE TO MEET MINIMUM HEIGHT REQUIREMENTS

NO REALIGNMENT OF 4TH STREET

ADD AN EASTBOUND RIGHT TURN LANE AT THE 5TH STREET INTERSECTION. THE LENGTH OF THIS TURN LANE IS YET TO BE DETERMINED. THE CITY OF MOORHEAD IS PLANNING TO COLLECT VIDEO TO SHOW QUEUING DATA WHEN A TRAIN IS PRESENT.

BETWEEN 7TH AND 8TH STREET: A CENTER LEFT TURN LANE. TWO THROUGH LANES IN THE WESTBOUND DIRECTION WITH THE OUTSIDE WESTBOUND THROUGH LANE BECOMING A DROP RIGHT TURN LANE AT 7TH STREET. ONE THROUGH LANE AND ONE SHARED RIGHT TURN/THROUGH LANE IN THE EASTBOUND DIRECTION. THE NORTH, SOUTH AND EAST LEGS OF THE INTERSECTION OF CENTER AVENUE AND 8TH STREET STAY THE SAME AS THEY ARE TODAY.

FIX THE TWO JOGS IN THE CENTER AVENUE ALIGNMENT EAST OF THE 4TH STREET INTERSECTION AND AT 6TH STREET. THIS ALIGNMENT SHIFT CAN EASILY BE CORRECTED BECAUSE OF THE TRANSITION FROM A 4-LANE TO 3-LANE SECTION.

EXTEND THE CURB LINE AND SIDEWALK FURTHER TO THE SOUTH ON THE NORTH SIDE OF CENTER AVENUE BETWEEN 7TH AND 8TH STREET TO FIX ISSUES WITH SIDEWALK WIDTHS AT THIS LOCATION. THIS CAN BE DONE WITH THE CHANGE FOR ONLY ONE THROUGH LANE IN THE WESTBOUND DIRECTION.

REMOVE THE BUS PULL OUT ALONG THE NORTH SIDE OF CENTER AVENUE AS IT IS NOT DESIRED BY TRANSIT. THIS WOULD PULL THE SIDEWALK AND CURB LINE TO THE SOUTH AT THIS LOCATION.

MOORHEAD - CENTER AVENUE - DRAFT ALTERNATIVE DEVELOPMENT A

CITY OF MOORHEAD, MN

CENTER AVENUE COORIDOR STUDY

DATE: 2017-08-03

PROJ. NO.: 193803913

FIGURE: DRAFT A-1



Plot Date: 09/27/2017 - 11:53am
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 Xrefs: 193803913_XS1_Center Ave Existing, 193803913_XSAP, 193803913_CLA, 193803913_XNO_A, 193803913_1S



TRANSITION FROM PROPOSED CENTER AVENUE TO NP AVENUE TO BE COORDINATED WITH THE CITY OF FARGO.

5' BIKE LANE

11'

11'

5' BIKE LANE

5' BIKE LANE

11'

11' x 150' LTL

5' BIKE LANE

RED RIVER

3RD ST S

MOORHEAD - CENTER AVENUE - DRAFT ALTERNATIVE DEVELOPMENT A

LEGEND

CITY OF MOORHEAD, MN
 CENTER AVENUE COORIDOR STUDY

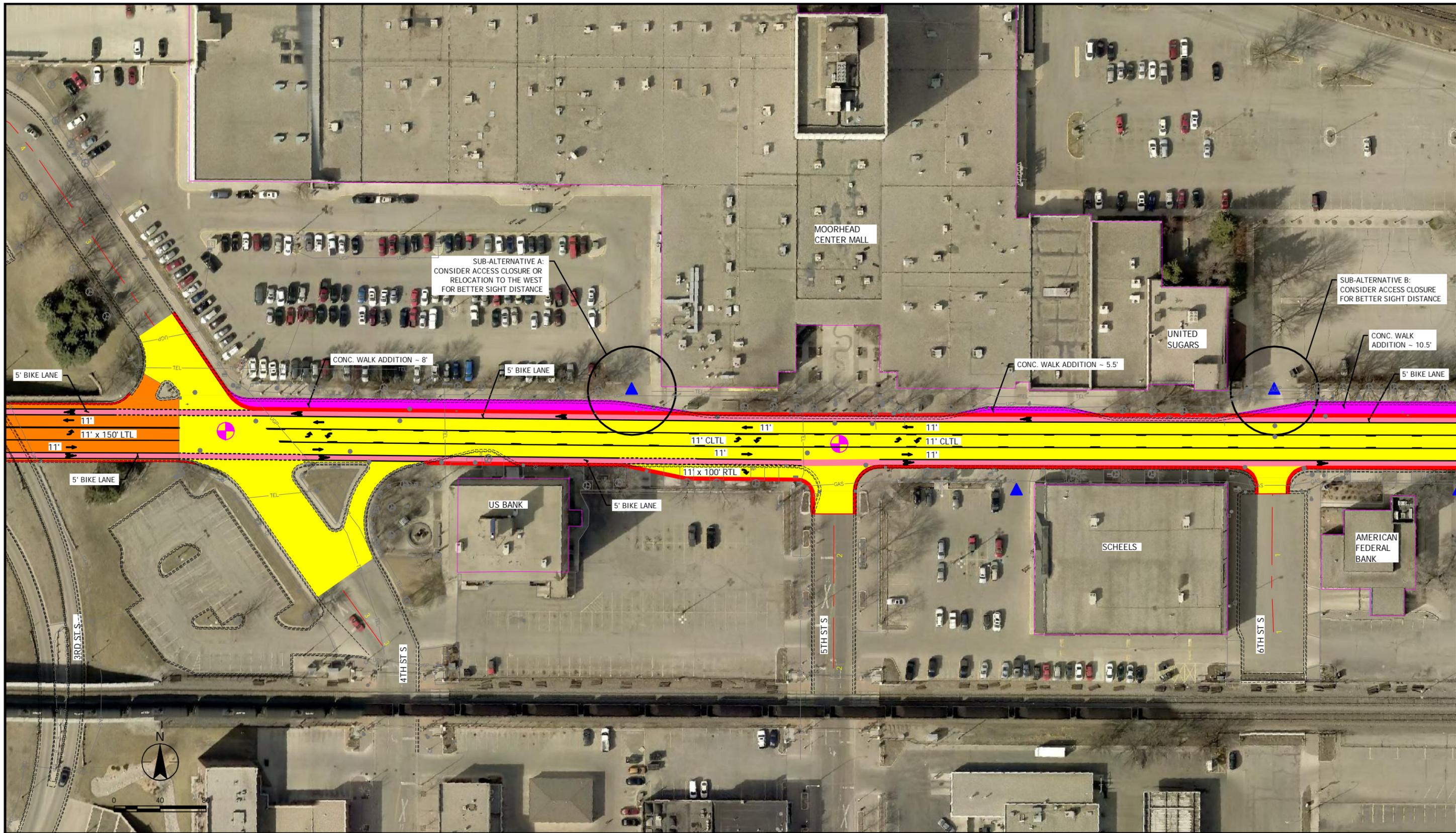


- BIKE LANE
- BRIDGE (EXISTING)
- PROPOSED ROADWAY (MILL & OVERLAY)
- SIDEWALK
- SHOULDER
- CURB/BARRIER
- EXISTING MANHOLE OR CATCH BASIN
- EXISTING TRAFFIC SIGNAL SYSTEM
- POINT OF ACCESS
- PROPOSED CURB & GUTTER
- EXISTING CURB & GUTTER

DATE: 2017-08-03 PROJ. NO.: 193803913

FIGURE: DRAFT A-2

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MOORHEAD - CENTER AVENUE - DRAFT ALTERNATIVE DEVELOPMENT A

CITY OF MOORHEAD, MN

CENTER AVENUE COORIDOR STUDY

DATE: 2017-08-03

PROJ. NO.: 193803913

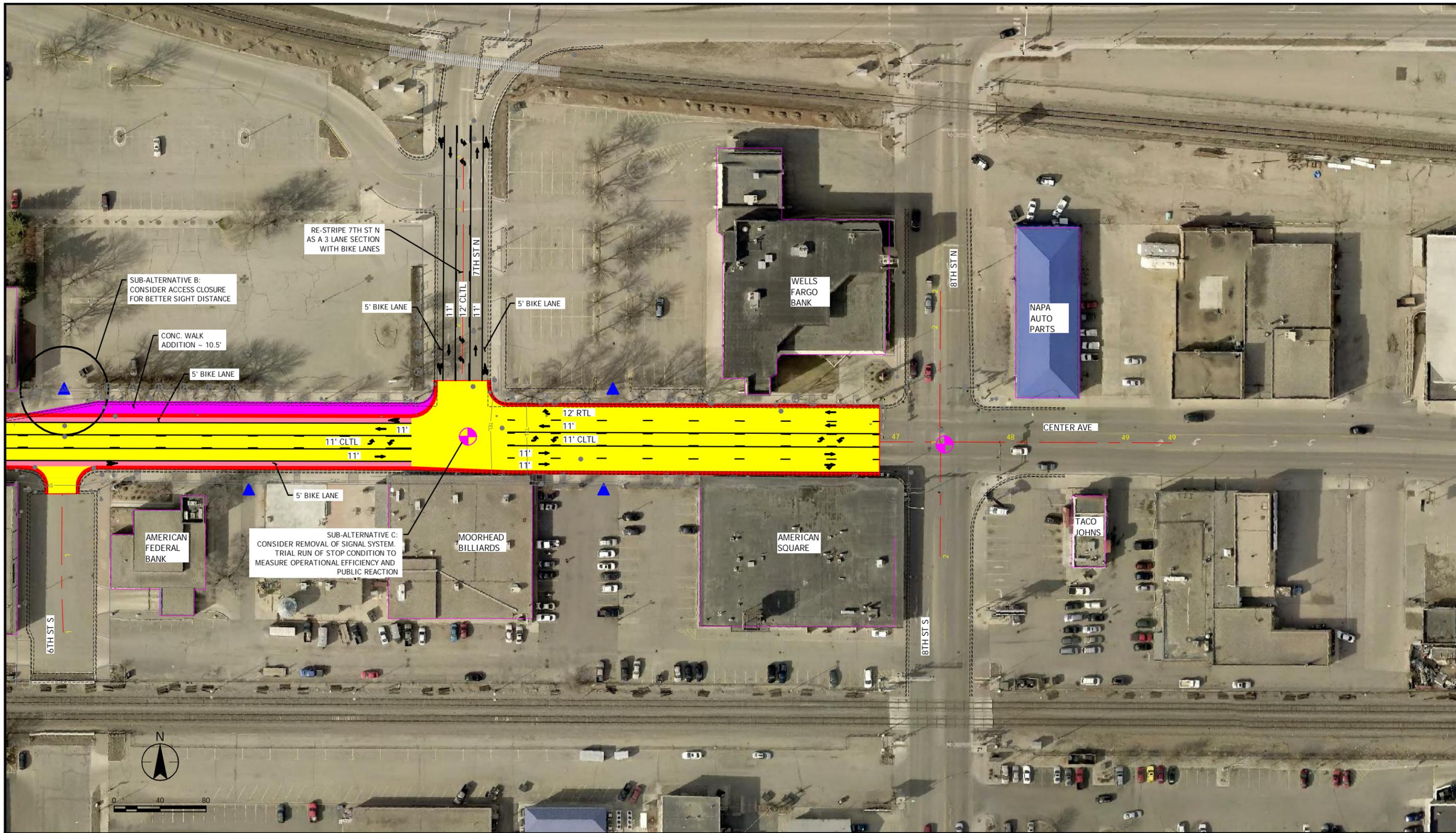
FIGURE: DRAFT A-3



LEGEND

- | | | | |
|-----------------------------------|--------------|---------------------------------|------------------------|
| BIKE LANE | SIDEWALK | EXISTING MANHOLE OR CATCH BASIN | PROPOSED CURB & GUTTER |
| BRIDGE (EXISTING) | SHOULDER | EXISTING TRAFFIC SIGNAL SYSTEM | EXISTING CURB & GUTTER |
| PROPOSED ROADWAY (MILL & OVERLAY) | CURB/BARRIER | POINT OF ACCESS | |

Plot Date: 09/28/2017 - 3:45pm
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MOORHEAD - CENTER AVENUE - DRAFT ALTERNATIVE DEVELOPMENT A

CITY OF MOORHEAD, MN

CENTER AVENUE COORIDOR STUDY

DATE: 2017-08-03

PROJ. NO.: 193803913

FIGURE: DRAFT A-4



LEGEND

- | | | | |
|-----------------------------------|--------------|---------------------------------|------------------------|
| BIKE LANE | SIDEWALK | EXISTING MANHOLE OR CATCH BASIN | PROPOSED CURB & GUTTER |
| BRIDGE (EXISTING) | SHOULDER | EXISTING TRAFFIC SIGNAL SYSTEM | EXISTING CURB & GUTTER |
| PROPOSED ROADWAY (MILL & OVERLAY) | CURB/BARRIER | POINT OF ACCESS | |

Plot Date: 09/28/2017 - 3:45pm
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