

**LEGEND**

- ACCESS CONTROL
- ADVISORY WARNING
- BRIDGE DEICING SYSTEM
- BRIDGE REPLACEMENT
- REPLACE BRIDGE W/LARGE CULVERT
- IMPROVE ACCELERATION LENGTH
- IMPROVE DECELERATION LENGTH
- GUARDRAIL
- LANDSCAPE
- LIGHTING
- MINOR EARTHWORK (TO IMPROVE SIDESLOPE)
- PEDESTRIAN IMPROVEMENTS (ADA CURB RAMPS)
- RESTRIPE
- RWIS
- SIDEWALK

**ITS ELEMENTS**

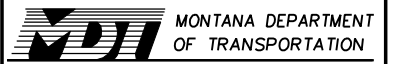
- ADVISORY WARNING
- CCTV-1 MILE SPACING
- DMS
- HAR
- HAR SIGN WITH FLASH BEACONS
- SPEED REDUCTION SYSTEM

Note: I-90 Milepost 227.45 = I-15 Milepost 129.45 (point of diverge)

**DRAFT**



**BUTTE INTERSTATE TRAFFIC STUDY (CN 5098)**  
CORRIDOR WIDE – ADD ON PACKAGES



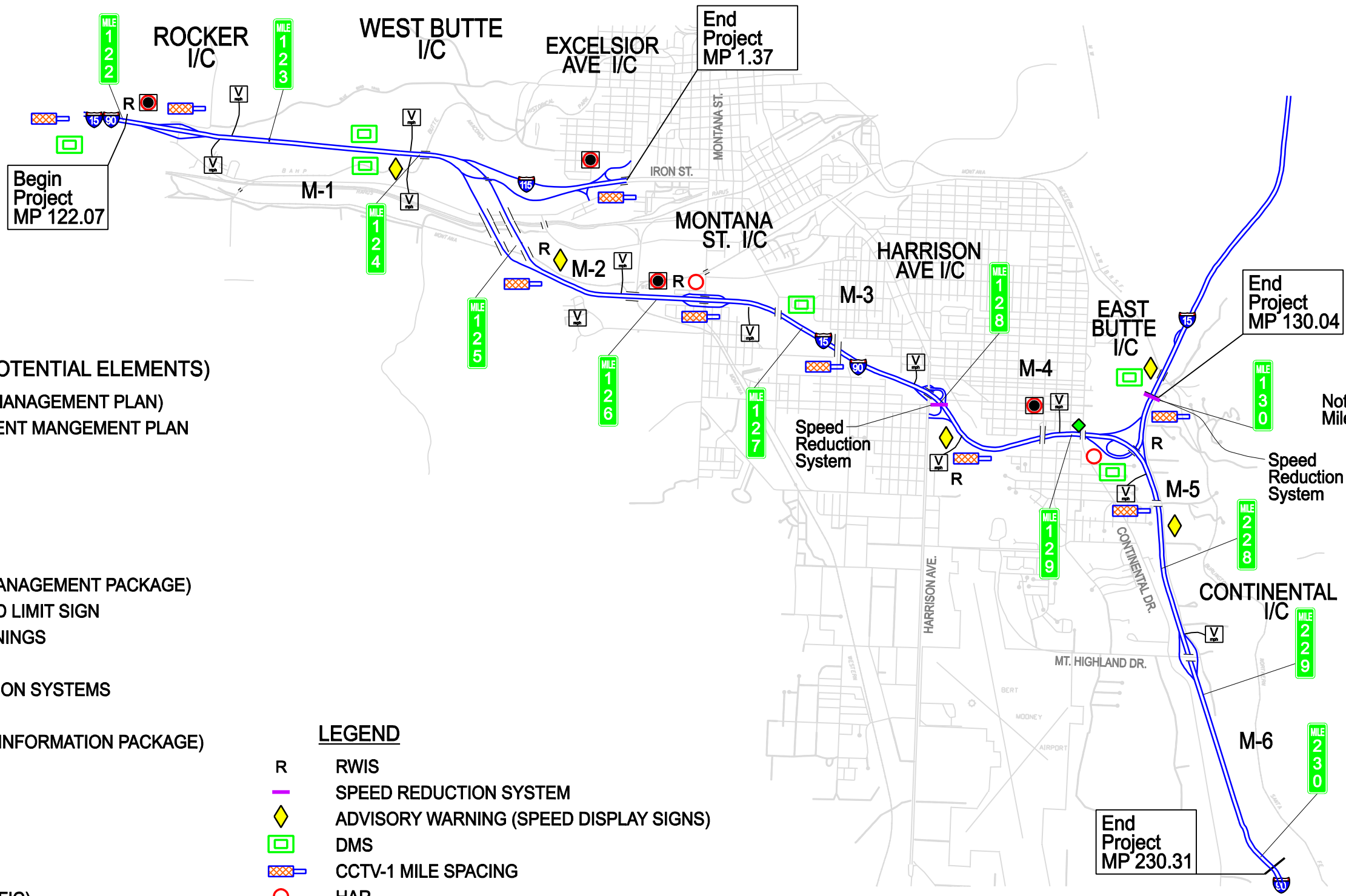
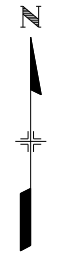
SCALE: NTS

DATE: 06/2008

DRAWN BY: NLB

FIGURE: ADD-ON

EXHIBIT 6 - 1



Note: ♦ I-90 Milepost 227.45 = I-15 Milepost 129.45 (point of diverge)

**ITS PACKAGES (POTENTIAL ELEMENTS)**

- ITS - 1 (INCIDENT MANAGEMENT PLAN)**
- DEVELOP INCIDENT MANGEMENT PLAN
  - DMS
  - CCTV
  - RWIS
  - HAR

- ITS - 2 (TRAFFIC MANAGEMENT PACKAGE)**
- VARIABLE SPEED LIMIT SIGN
  - ADVISORY WARNINGS
  - RWIS
  - SPEED REDUCTION SYSTEMS

- ITS - 3 (TRAVELER INFORMATION PACKAGE)**
- DMS
  - CCTV
  - HAR
  - RWIS

- ITS - 4 (SITE SPECIFIC)**
- DMS (AT ROCKER)
  - SPEED REDUCTION SYSTEM (HARRISON AND EB LOOP RAMPS)

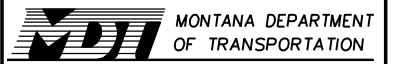
**LEGEND**

- R RWIS
- ◆ SPEED REDUCTION SYSTEM
- ◆ ADVISORY WARNING (SPEED DISPLAY SIGNS)
- DMS
- ▨ CCTV-1 MILE SPACING
- HAR
- HAR SIGN WITH FLASH BEACONS
- ▽ VARIABLE SPEED LIMIT SIGN

**DRAFT**



**BUTTE INTERSTATE TRAFFIC STUDY (CN 5098)**  
CORRIDOR WIDE – ITS PACKAGES



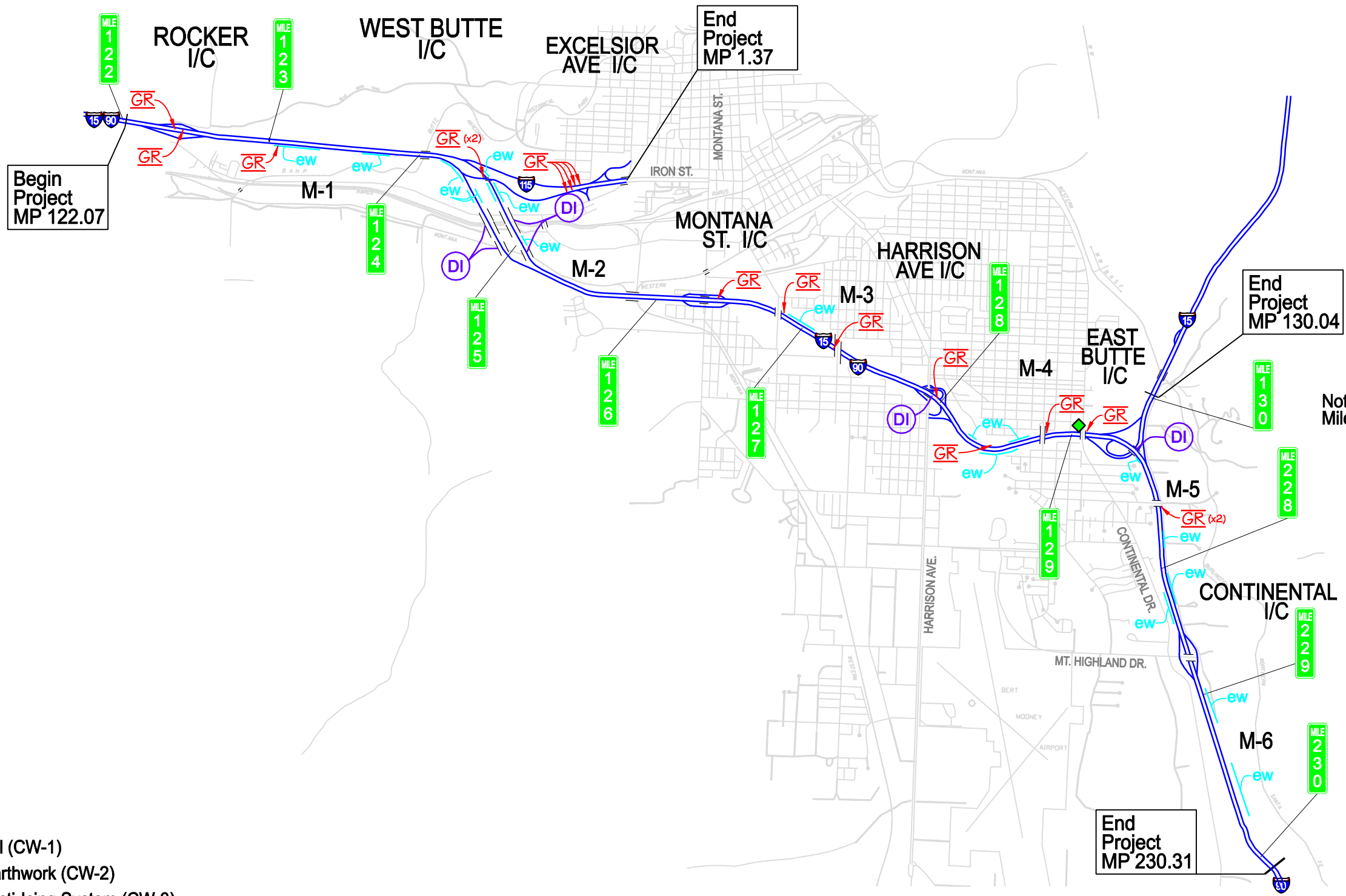
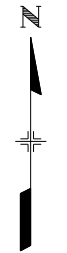
SCALE: NTS

DATE: 06/2008

DRAWN BY: NLB

FIGURE: ITS-1, 2, & 3

EXHIBIT 6 - 2



Note: ♦ I-90 Milepost 227.45 = I-15 Milepost 129.45 (point of diverge)

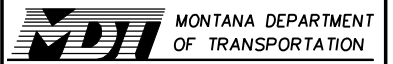
**Legend**

- Guardrail (CW-1)
- Minor Earthwork (CW-2)
- Bridge Anti-Icing System (CW-3)

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**OPTIONS 1 & 2 BUTTE INTERSTATE TRAFFIC STUDY (CN 5098)**  
 CORRIDOR WIDE – GUARDRAIL / CLEAR ZONE / BRIDGE ANTI-ICING SYSTEM IMPROVEMENTS



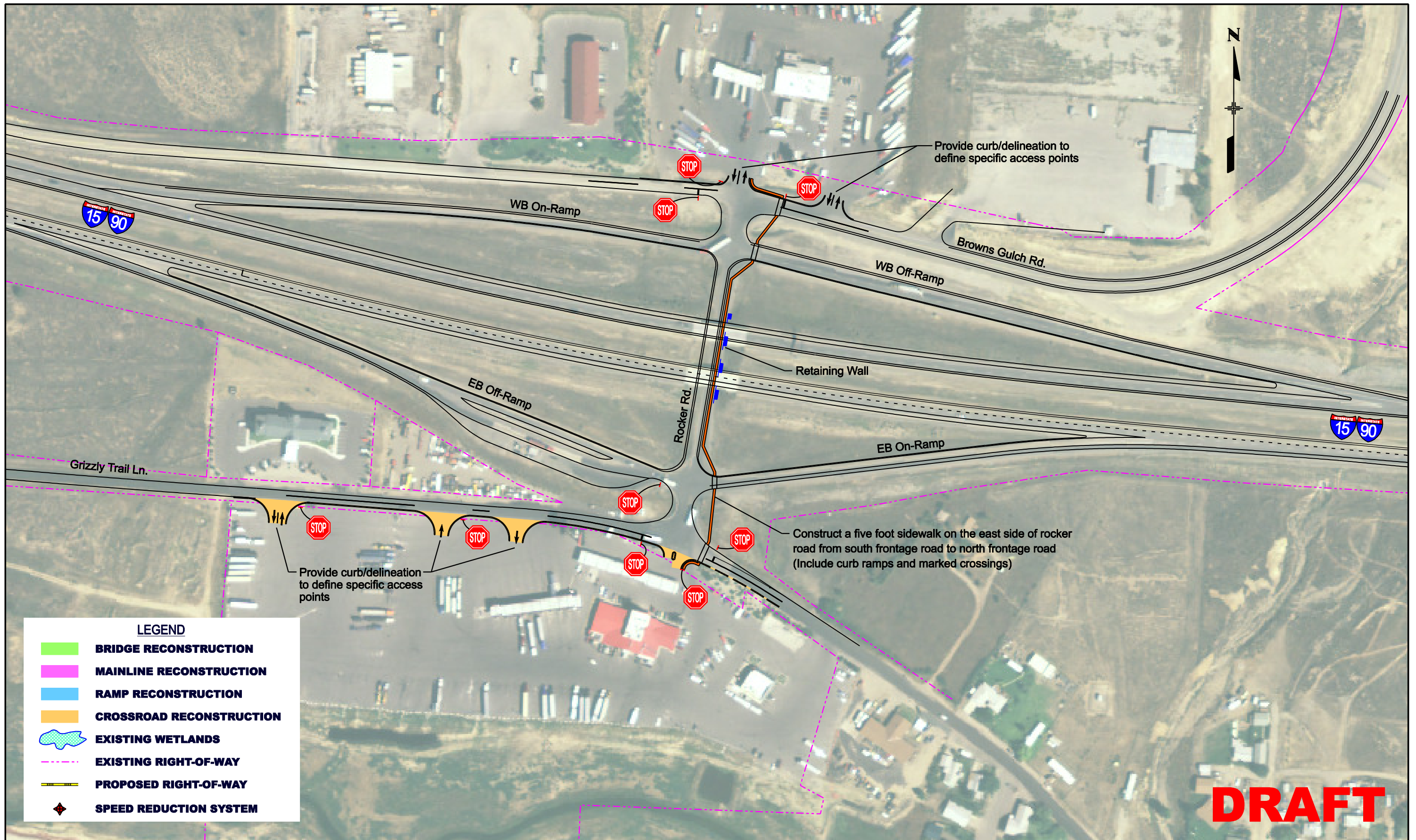
SCALE: NTS

DATE: 06/2008

DRAWN BY: NLB

FIGURE: CW-1, 2, & 3

EXHIBIT 6 - 3



**BUTTE INTERSTATE TRAFFIC STUDY (CN 5098)**  
**ROCKER – OPTION 10 (MINOR IMPROVEMENTS)**



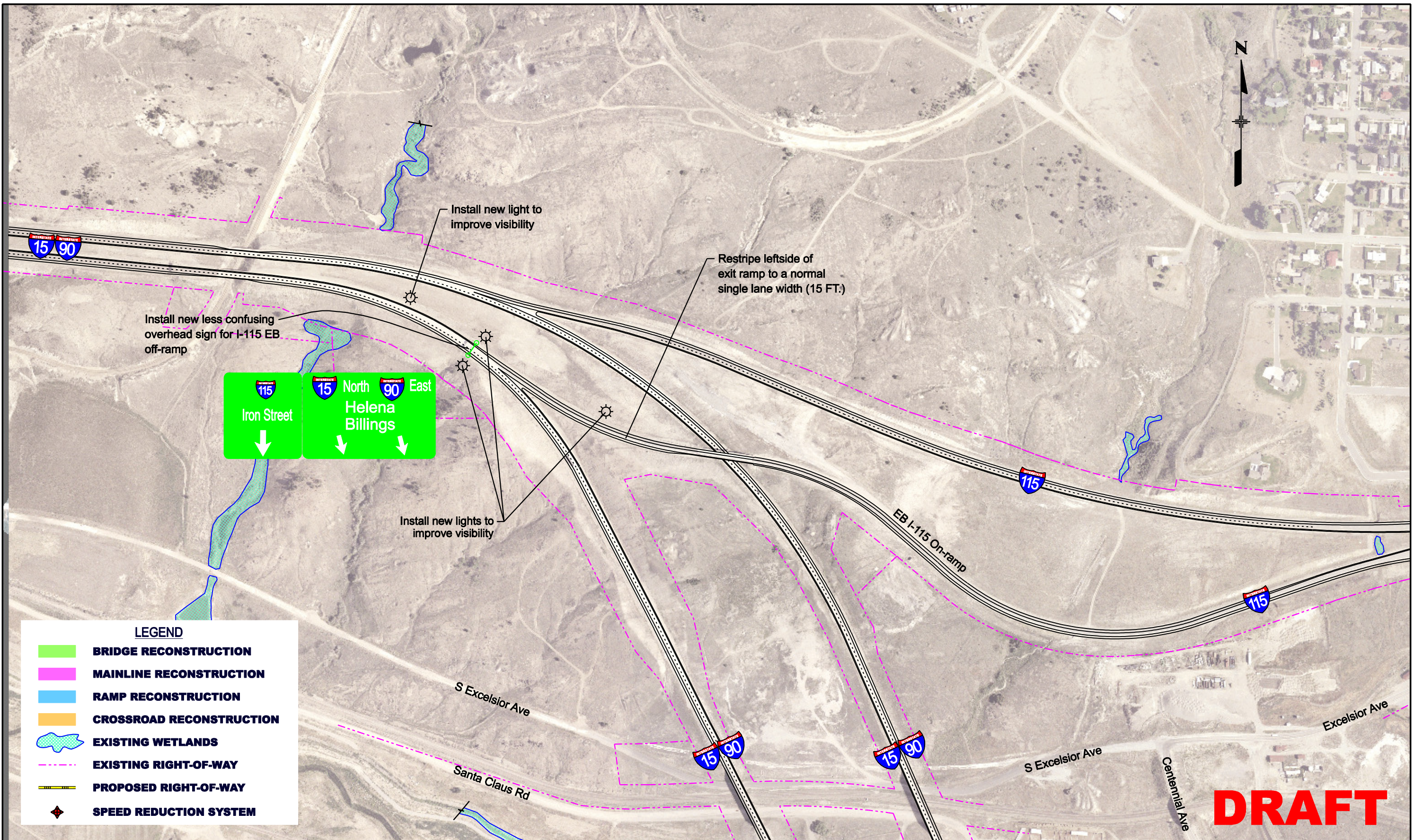
SCALE: 100

DATE: 06/2008

DRAWN BY: NLB

FIGURE: R-10

EXHIBIT 6 - 4

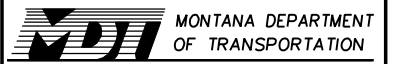


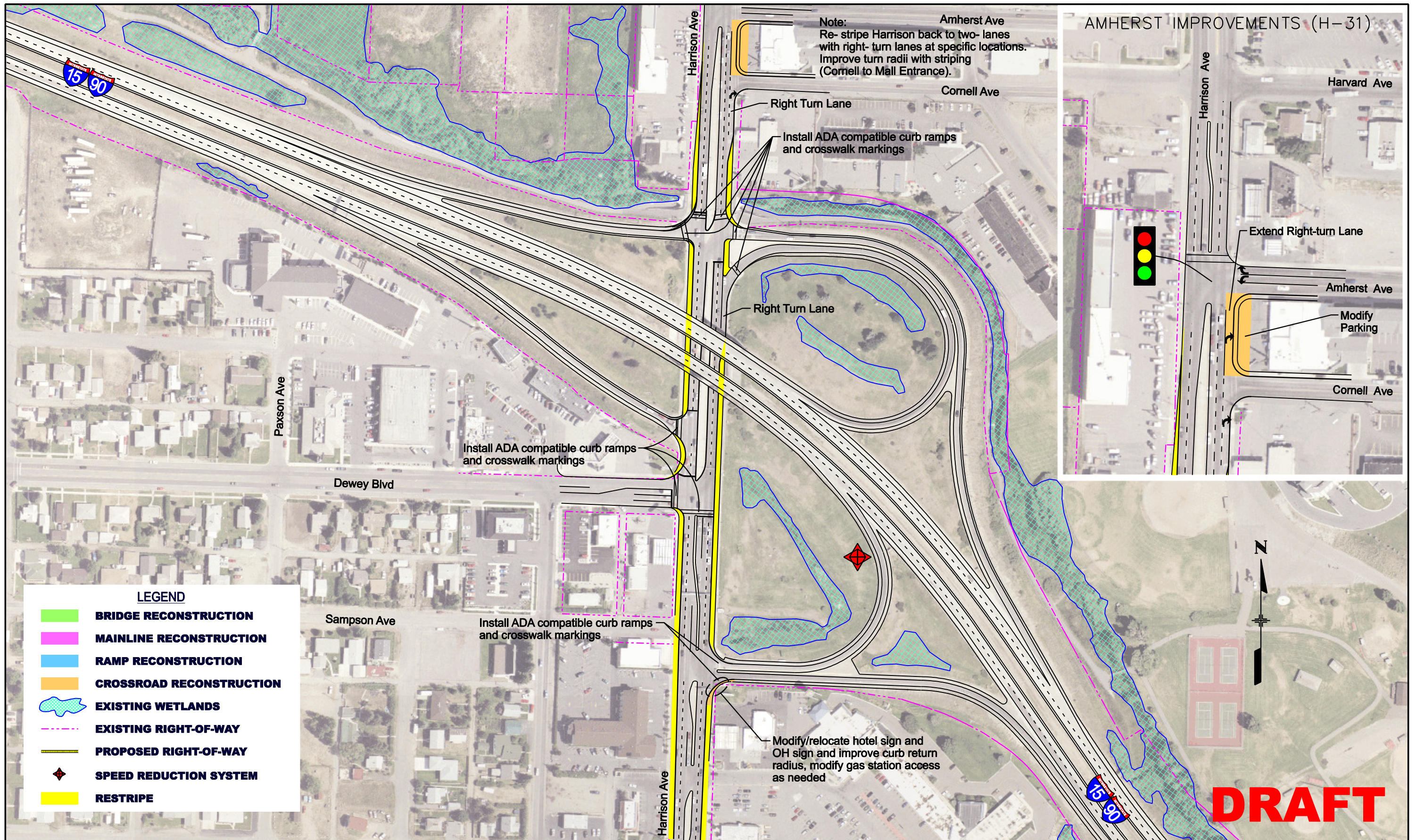
**LEGEND**

- BRIDGE RECONSTRUCTION**
- MAINLINE RECONSTRUCTION**
- RAMP RECONSTRUCTION**
- CROSSROAD RECONSTRUCTION**
- EXISTING WETLANDS**
- EXISTING RIGHT-OF-WAY**
- PROPOSED RIGHT-OF-WAY**
- SPEED REDUCTION SYSTEM**

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**BUTTE INTERSTATE TRAFFIC STUDY (CN 5098)**  
**WEST BUTTE – OPTION 10 (MINOR IMPROVEMENTS)**





**BUTTE INTERSTATE TRAFFIC STUDY (CN 5098)**  
 HARRISON AVE – OPTION 30 (MINOR IMPROVEMENTS) AND  
 AMHERST AVE – OPTION 31 (MINOR IMPROVEMENTS)



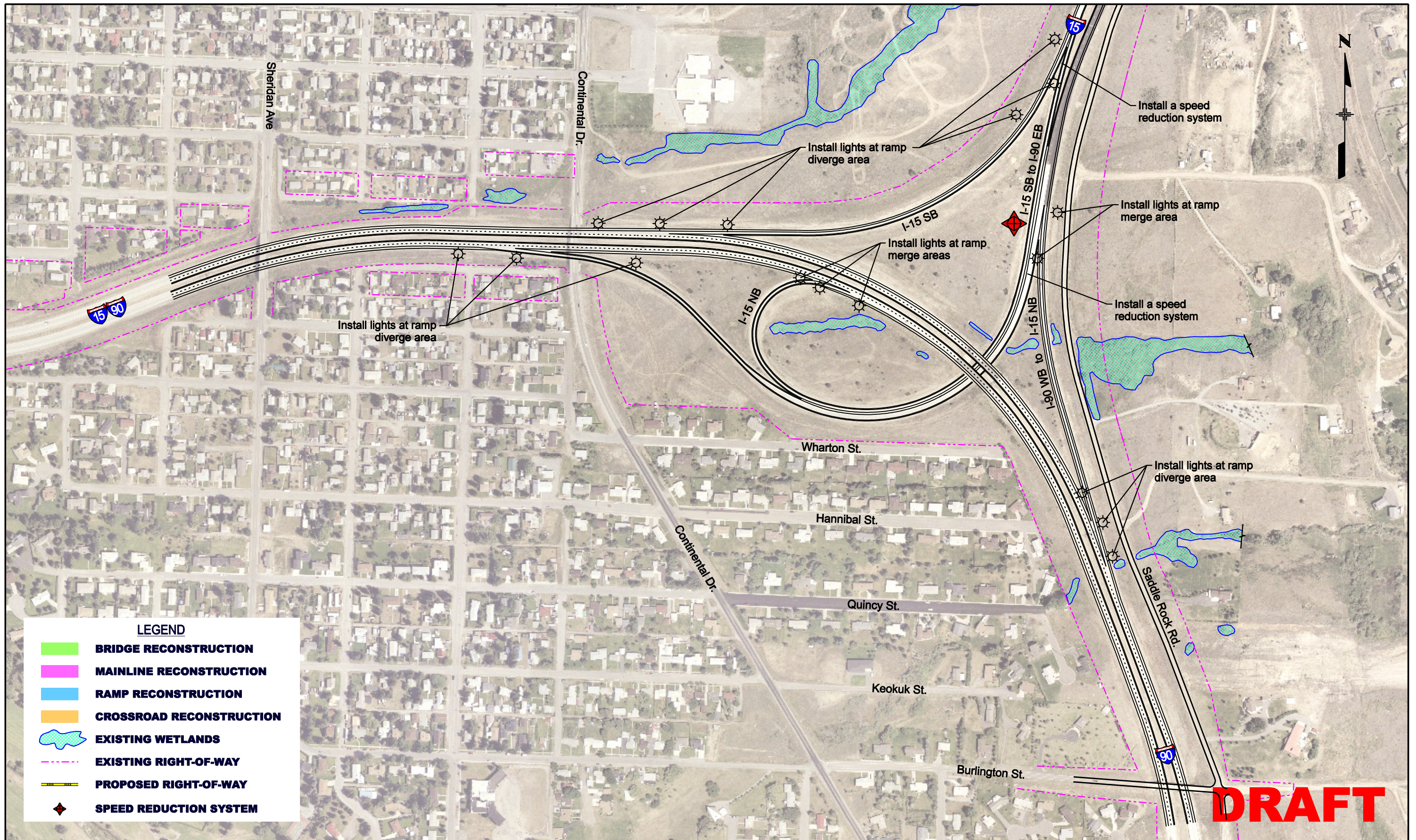
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DATE: 06/2008

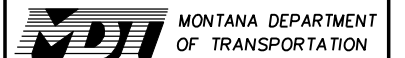
DRAWN BY: NLB

FIGURE: H-30 & 31

EXHIBIT 6 - 6



**BUTTE INTERSTATE TRAFFIC STUDY (CN 5098)**  
**EAST BUTTE – OPTION 10 (MINOR IMPROVEMENTS)**



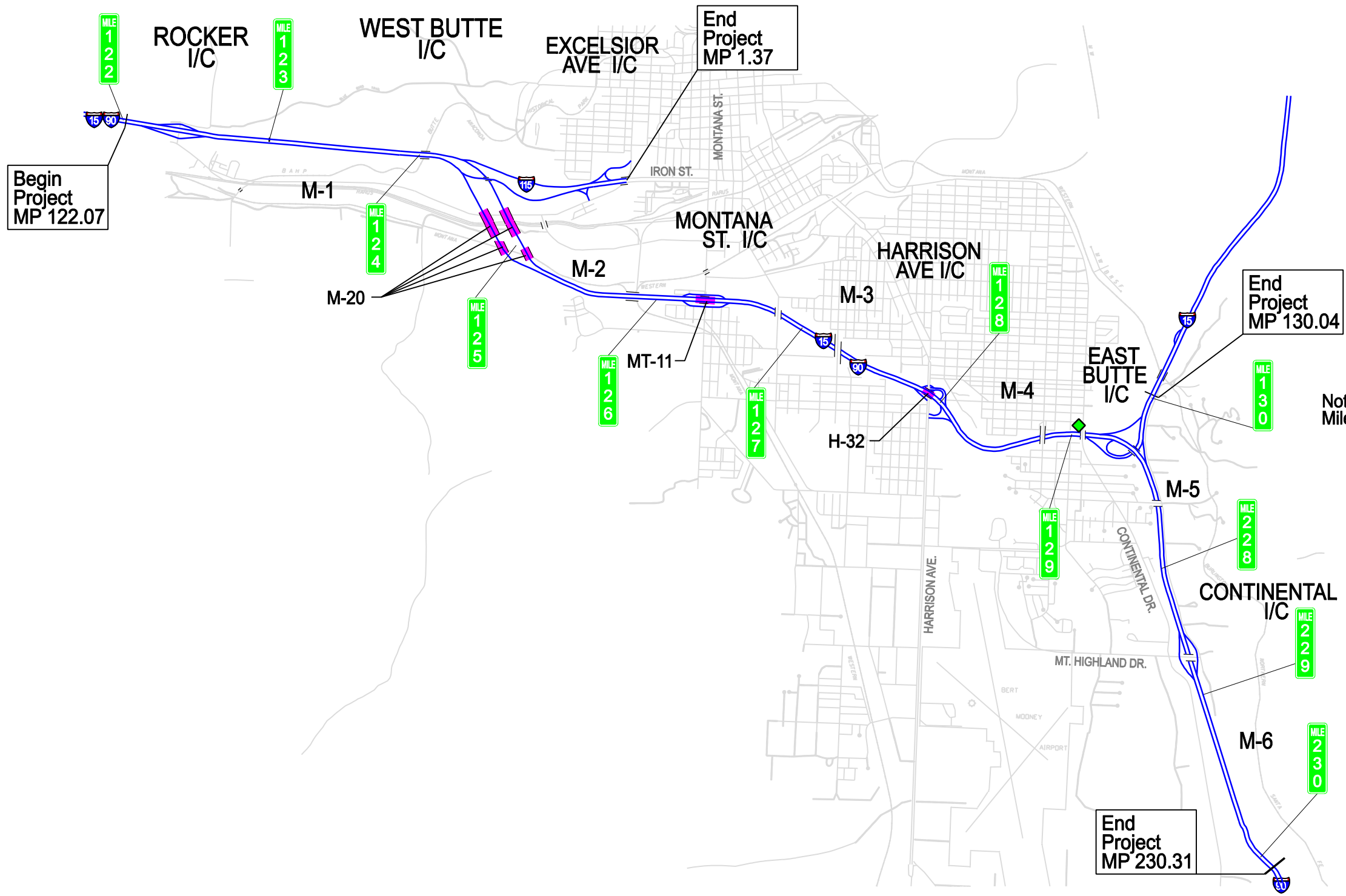
SCALE: 200

DATE: 06/2008

DRAWN BY: NLB

FIGURE: EB-10

EXHIBIT 6 - 7



Note: ♦ I-90 Milepost 227.45 = I-15 Milepost 129.45 (point of diverge)

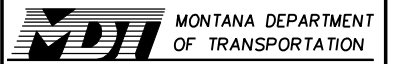
**Legend**

BRIDGE REPLACEMENT

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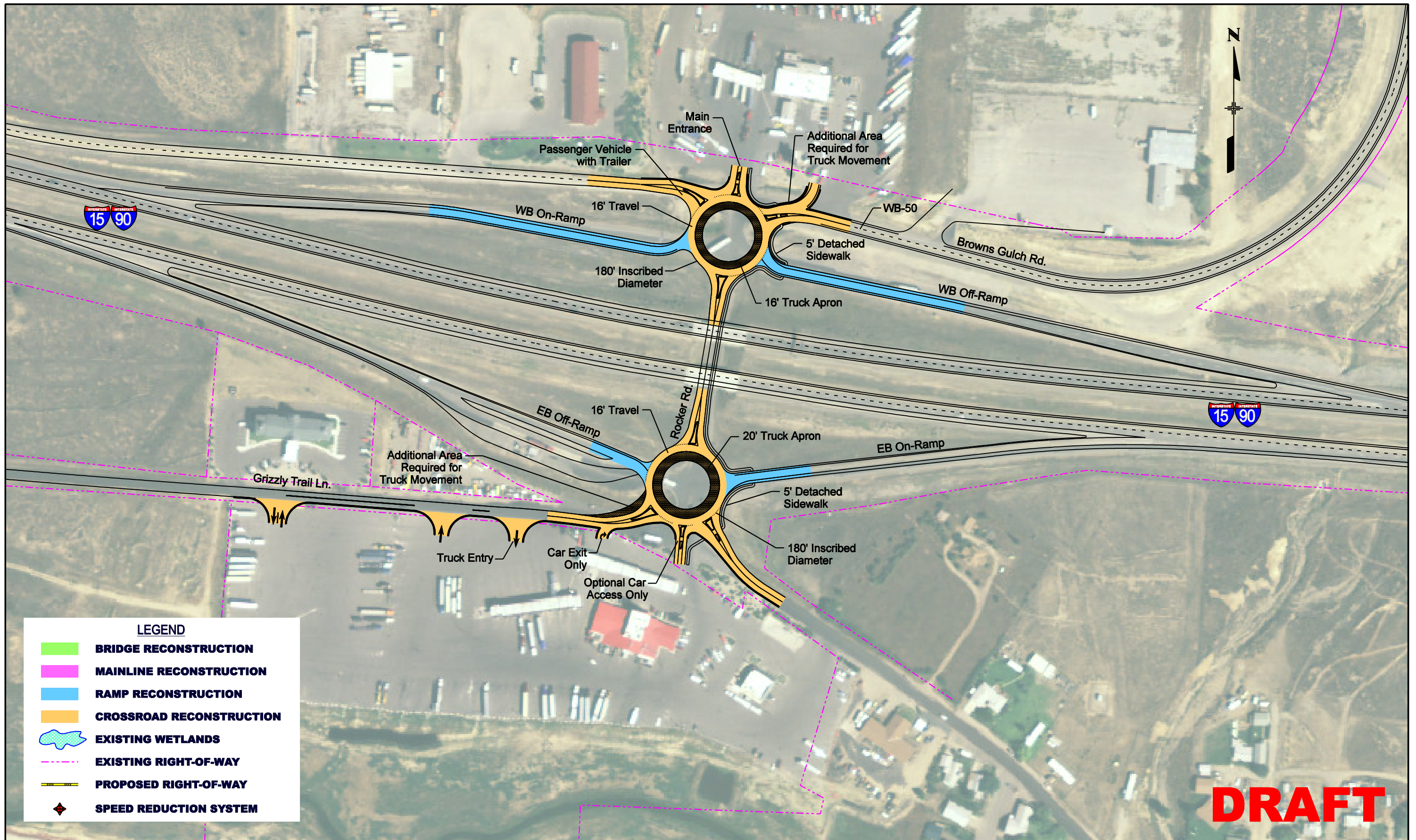
**BUTTE INTERSTATE TRAFFIC STUDY (CN 5098)**  
 MAINLINE SEGMENT 2, MONTANA ST, AND HARRISON AVE – BRIDGE REPLACEMENT OPTIONS



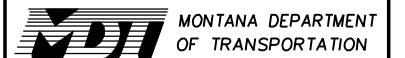
SCALE: NTS      DATE: 06/2008      DRAWN BY: NLB      FIGURE: M-20, MT-11, H-32

EXHIBIT 6 - 8





BUTTE INTERSTATE TRAFFIC STUDY (CN 5098)  
 ROCKER – OPTION 1 (ROUNDBABOUTS)



SCALE: 100

DATE: 06/2008

DRAWN BY: NLB

FIGURE: R-1

EXHIBIT 6 - 9



**LEGEND**

- BRIDGE RECONSTRUCTION**
- MAINLINE RECONSTRUCTION**
- RAMP RECONSTRUCTION**
- CROSSROAD RECONSTRUCTION**
- EXISTING WETLANDS**
- EXISTING RIGHT-OF-WAY**
- PROPOSED RIGHT-OF-WAY**
- SPEED REDUCTION SYSTEM**

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**BUTTE INTERSTATE TRAFFIC STUDY (CN 5098)**

**MAINLINE OPTION 1 – ROCKER AUXILIARY ACCELERATION LANE IMPROVEMENT**



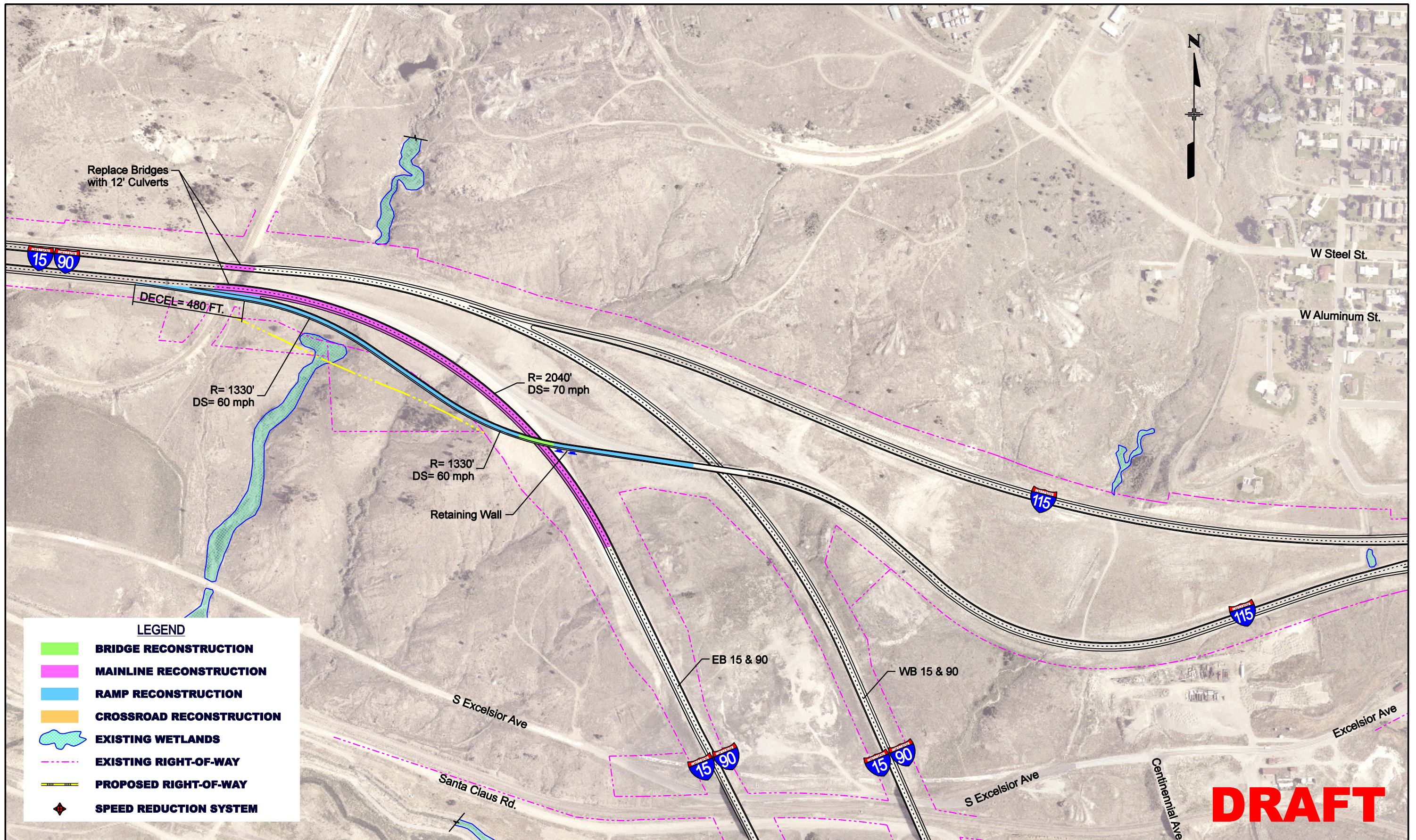
SCALE: 200

DATE: 06/2008

DRAWN BY: NLB

FIGURE: M-1

EXHIBIT 6 - 10



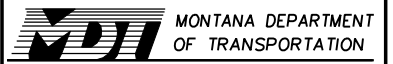
**LEGEND**

- BRIDGE RECONSTRUCTION**
- MAINLINE RECONSTRUCTION**
- RAMP RECONSTRUCTION**
- CROSSROAD RECONSTRUCTION**
- EXISTING WETLANDS**
- EXISTING RIGHT-OF-WAY**
- PROPOSED RIGHT-OF-WAY**
- SPEED REDUCTION SYSTEM**

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**BUTTE INTERSTATE TRAFFIC STUDY (CN 5098)**  
**WEST BUTTE – OPTION 1 (EASTBOUND OFF-RAMP IMPROVEMENT)**



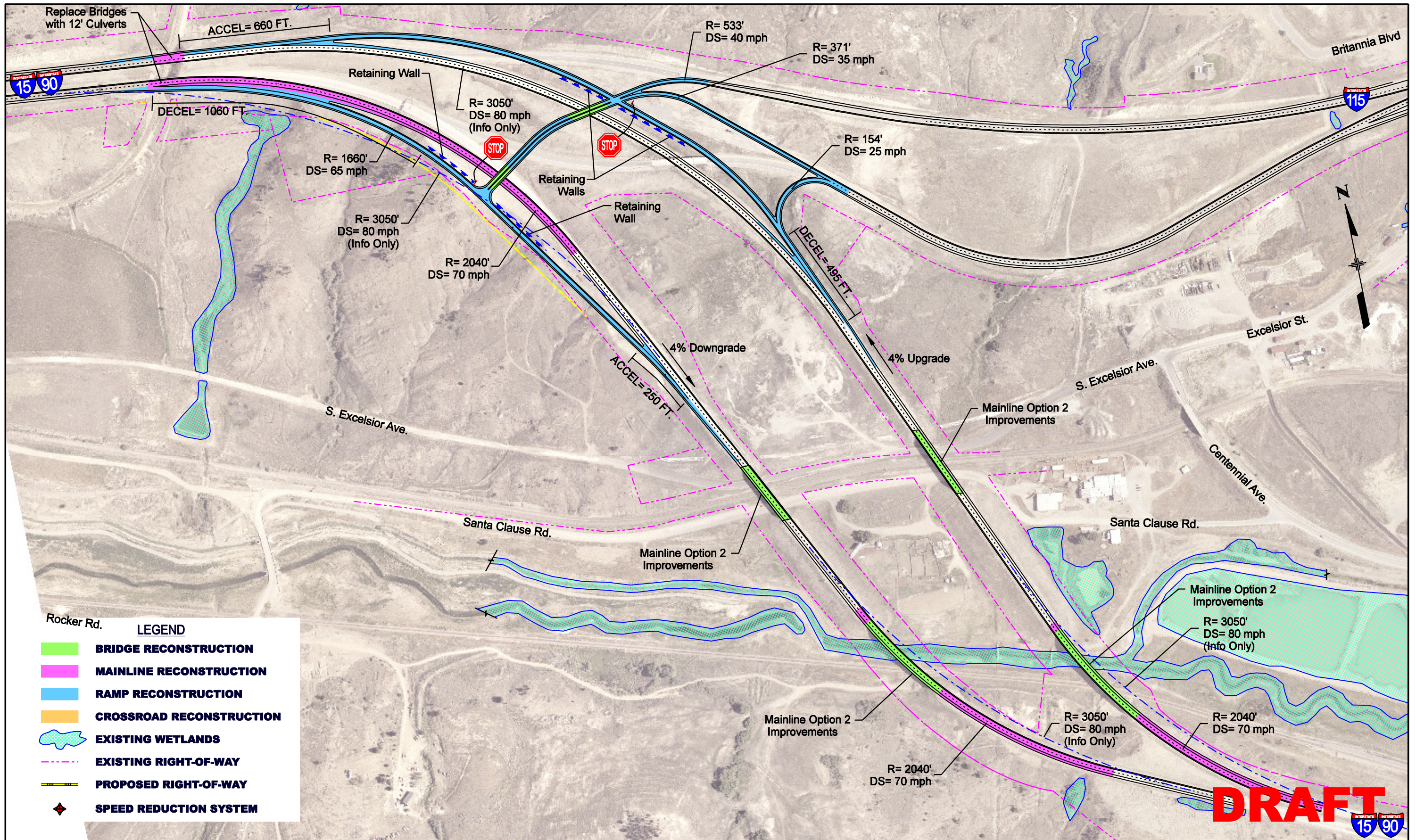
SCALE: 200

DATE: 06/2008

DRAWN BY: NLB

FIGURE: WB-1

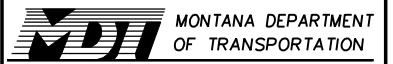
EXHIBIT 6 - 11



**LEGEND**

- BRIDGE RECONSTRUCTION**
- MAINLINE RECONSTRUCTION**
- RAMP RECONSTRUCTION**
- CROSSROAD RECONSTRUCTION**
- EXISTING WETLANDS**
- EXISTING RIGHT-OF-WAY**
- PROPOSED RIGHT-OF-WAY**
- SPEED REDUCTION SYSTEM**

**BUTTE INTERSTATE TRAFFIC STUDY (CN 5098)**  
 WEST BUTTE – OPTION 3 (DIAMOND INTERCHANGE) AND  
 MAINLINE – OPTION 2 (SEGMENT IMPROVEMENTS)



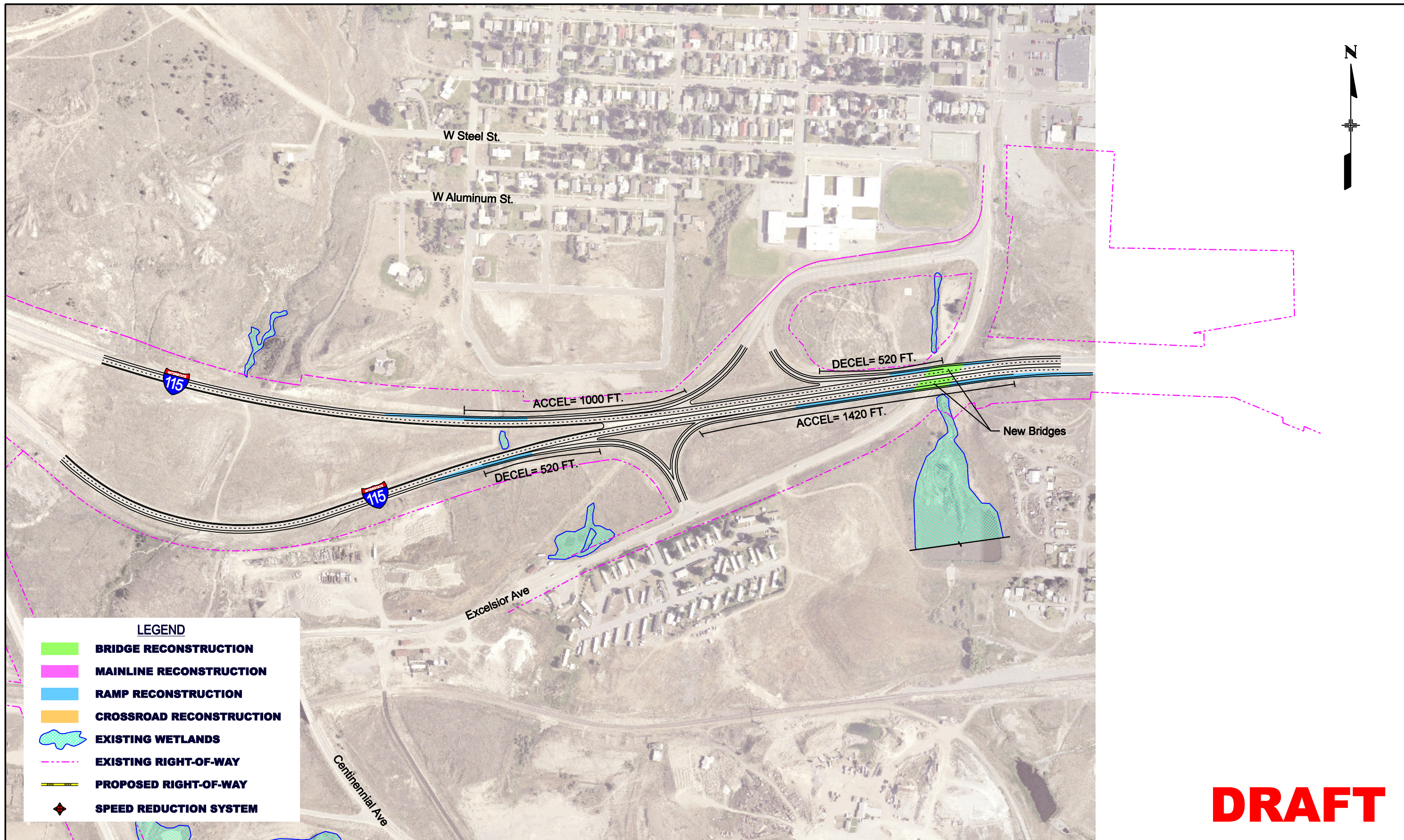
SCALE: 200

DATE: 06/2008

DRAWN BY: NLB

FIGURE: WB-3/M-2

EXHIBIT 6 - 12



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**BUTTE INTERSTATE TRAFFIC STUDY (CN 5098)**  
**EXCELSIOR – OPTION 1 (ON/OFF RAMP IMPROVEMENTS)**



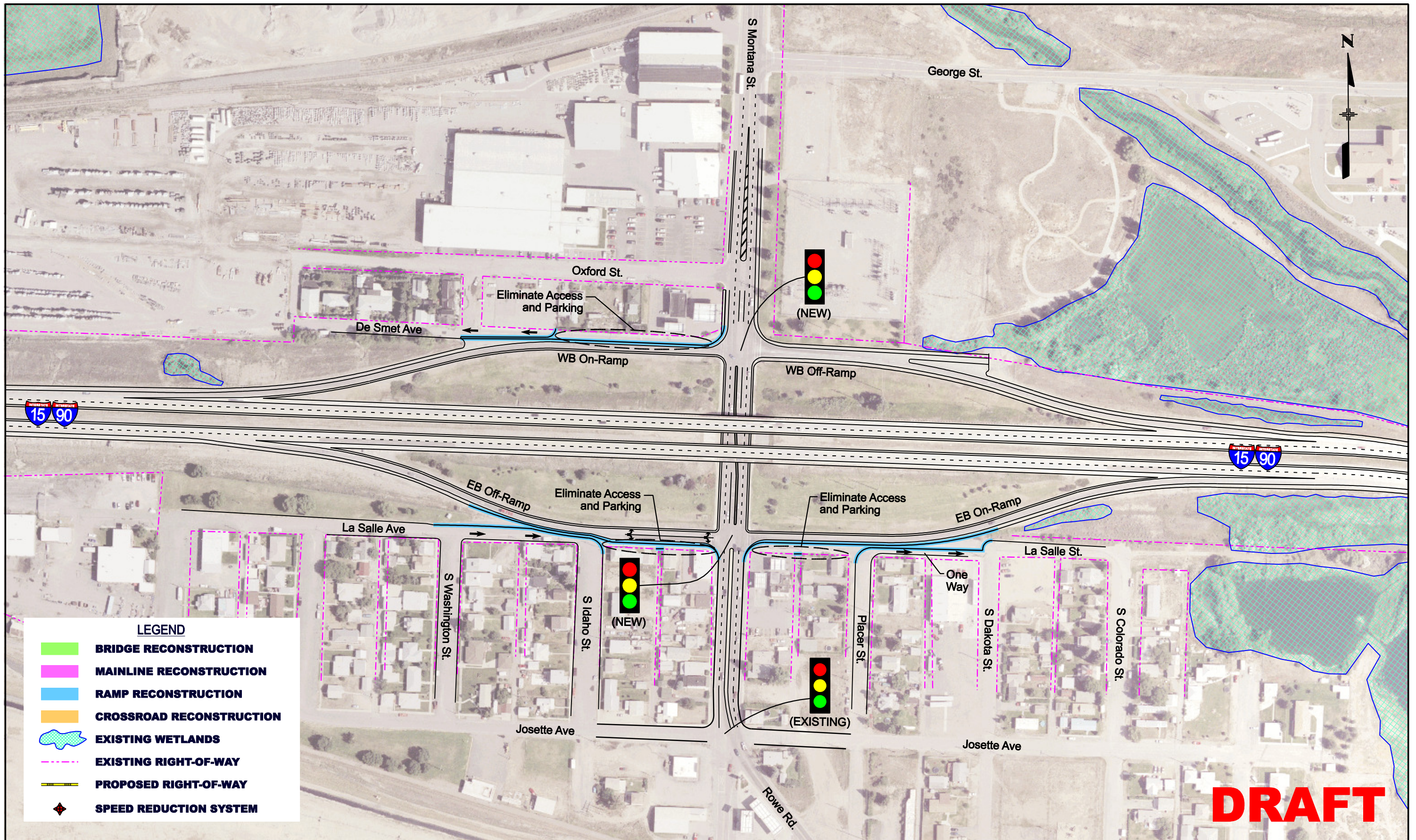
SCALE: 200

DATE: 06/2008

DRAWN BY: NLB

FIGURE: EX-1

EXHIBIT 6 - 13



BUTTE INTERSTATE TRAFFIC STUDY (CN 5098)  
 MONTANA – OPTION 1 (SIGNALIZED)



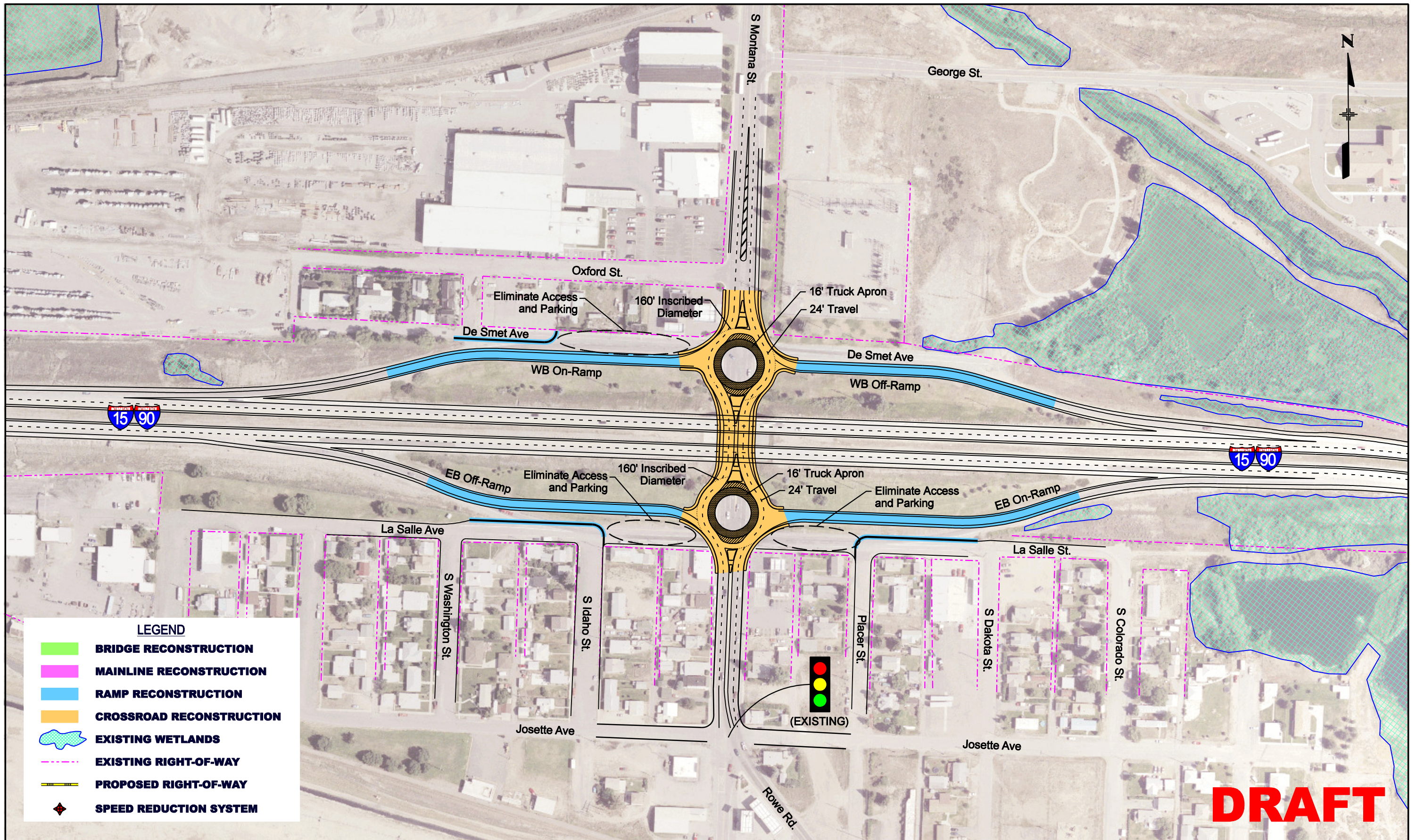
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DATE: 06/2008

DRAWN BY: NLB

FIGURE: MT-1

EXHIBIT 6 - 14



BUTTE INTERSTATE TRAFFIC STUDY (CN 5098)  
 MONTANA – OPTION 2 (ROUNDBABOUTS)



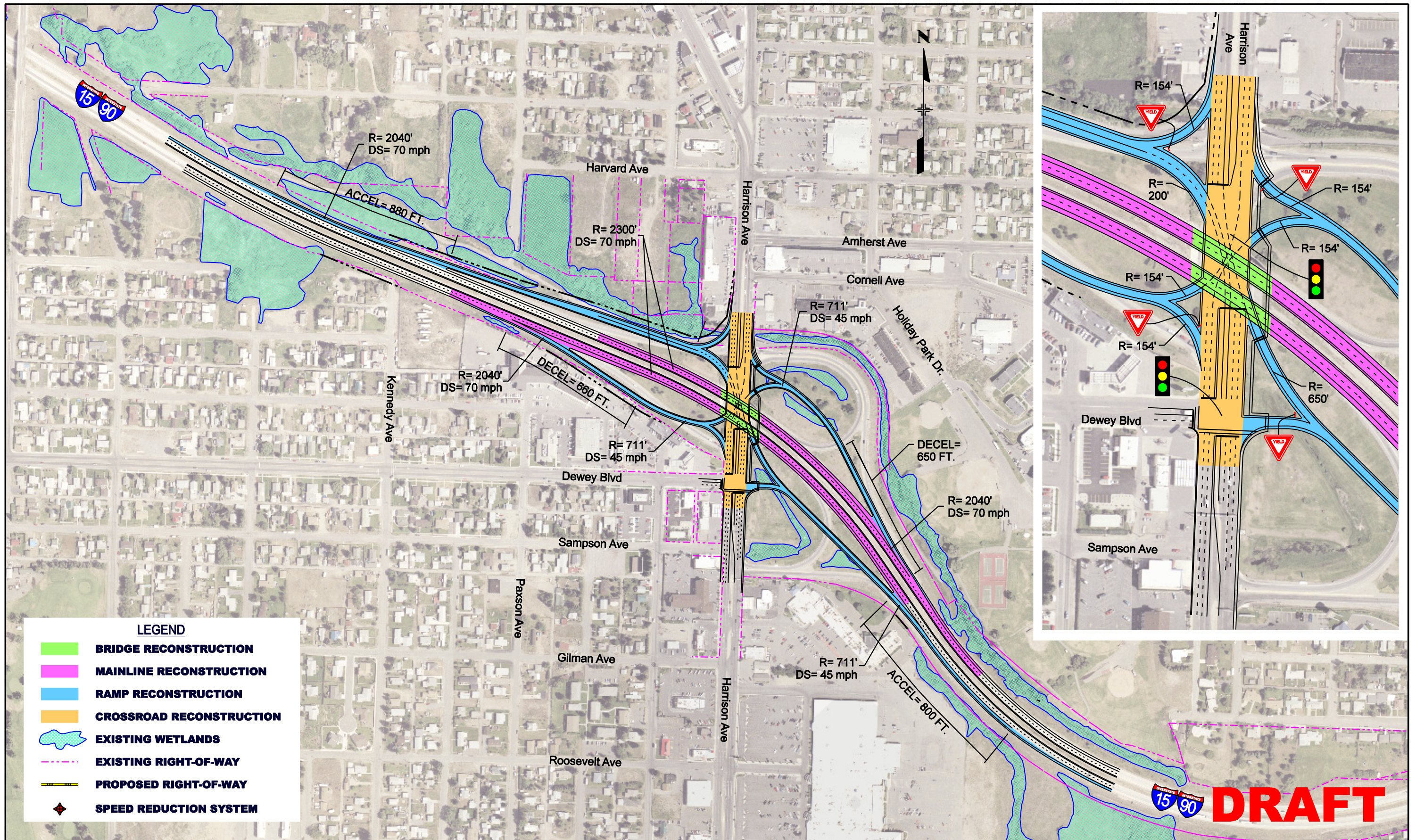
SCALE: 100

DATE: 06/2008

DRAWN BY: NLB

FIGURE: MT-2

EXHIBIT 6 - 15



**LEGEND**

- BRIDGE RECONSTRUCTION
- MAINLINE RECONSTRUCTION
- RAMP RECONSTRUCTION
- CROSSROAD RECONSTRUCTION
- EXISTING WETLANDS
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- SPEED REDUCTION SYSTEM

**BUTTE INTERSTATE TRAFFIC STUDY (CN 5098)**  
**HARRISON – OPTION 1 (SINGLE POINT URBAN INTERCHANGE)**

**DRAFT**



SCALE: 200

DATE: 06/2008

DRAWN BY: NLB

FIGURE: H-1

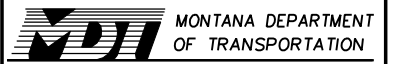
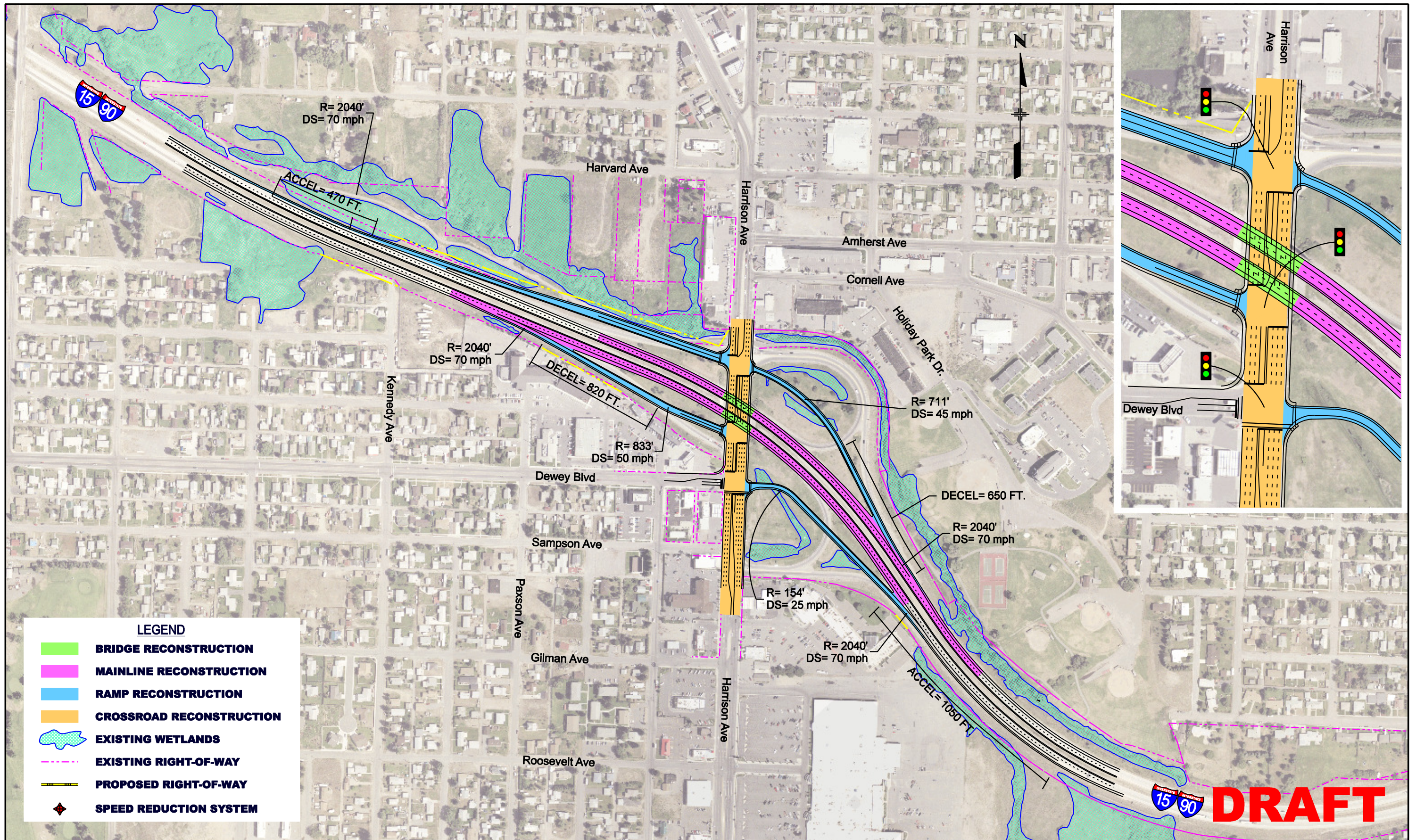
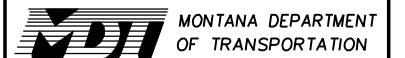


EXHIBIT 6 - 16





**BUTTE INTERSTATE TRAFFIC STUDY (CN 5098)**  
**HARRISON – OPTION 2 (DIAMOND INTERCHANGE)**



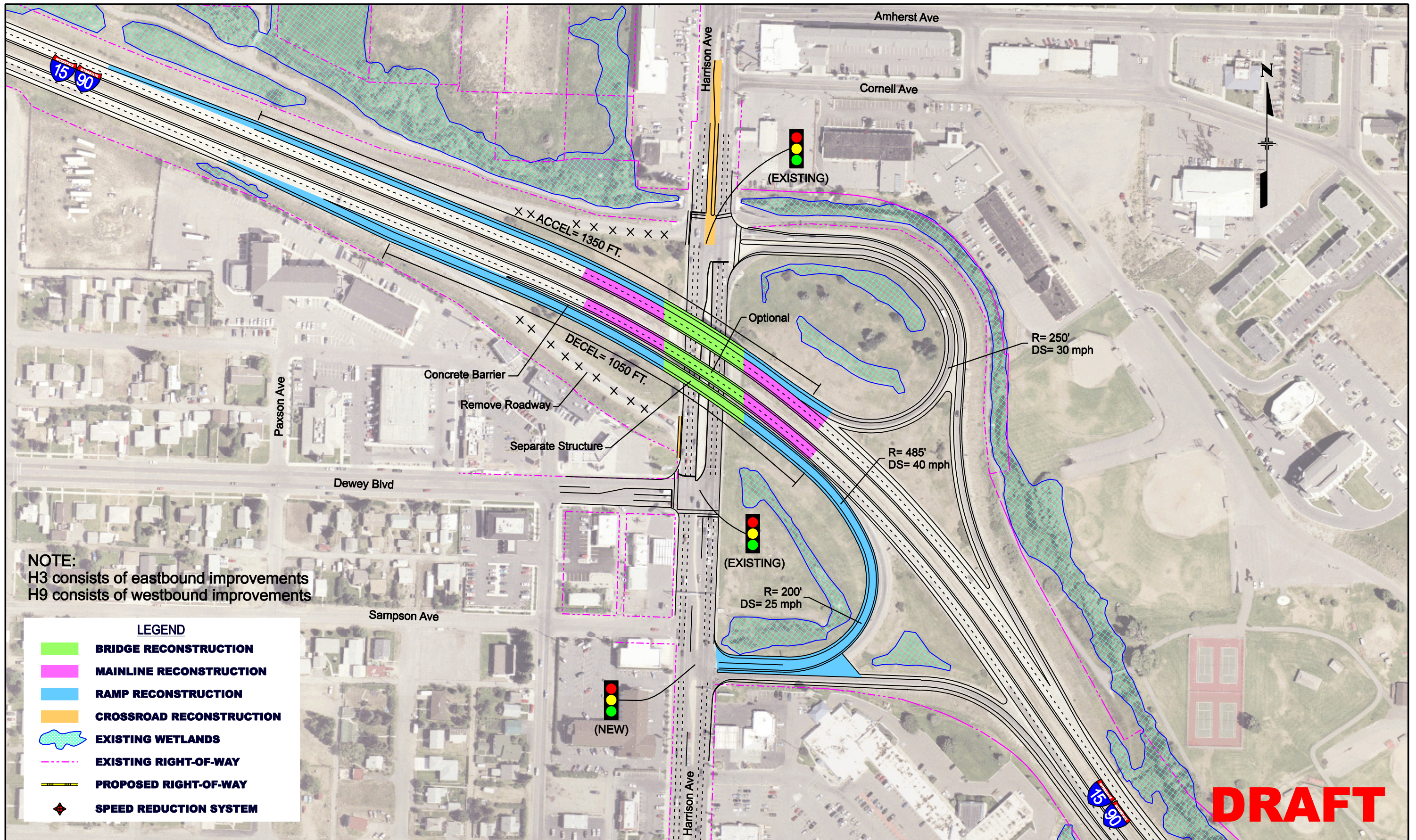
SCALE: 200

DATE: 06/2008

DRAWN BY: NLB

FIGURE: H-2

EXHIBIT 6 - 17



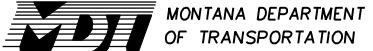
NOTE:  
 H3 consists of eastbound improvements  
 H9 consists of westbound improvements

**LEGEND**

- BRIDGE RECONSTRUCTION**
- MAINLINE RECONSTRUCTION**
- RAMP RECONSTRUCTION**
- CROSSROAD RECONSTRUCTION**
- EXISTING WETLANDS**
- EXISTING RIGHT-OF-WAY**
- PROPOSED RIGHT-OF-WAY**
- ◆ **SPEED REDUCTION SYSTEM**

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**BUTTE INTERSTATE TRAFFIC STUDY (CN 5098)**  
**HARRISON – OPTION 20 (EB/WB LOOP RAMP MODIFICATIONS)**  
 COMBINATION OF OPTIONS H3 & H9



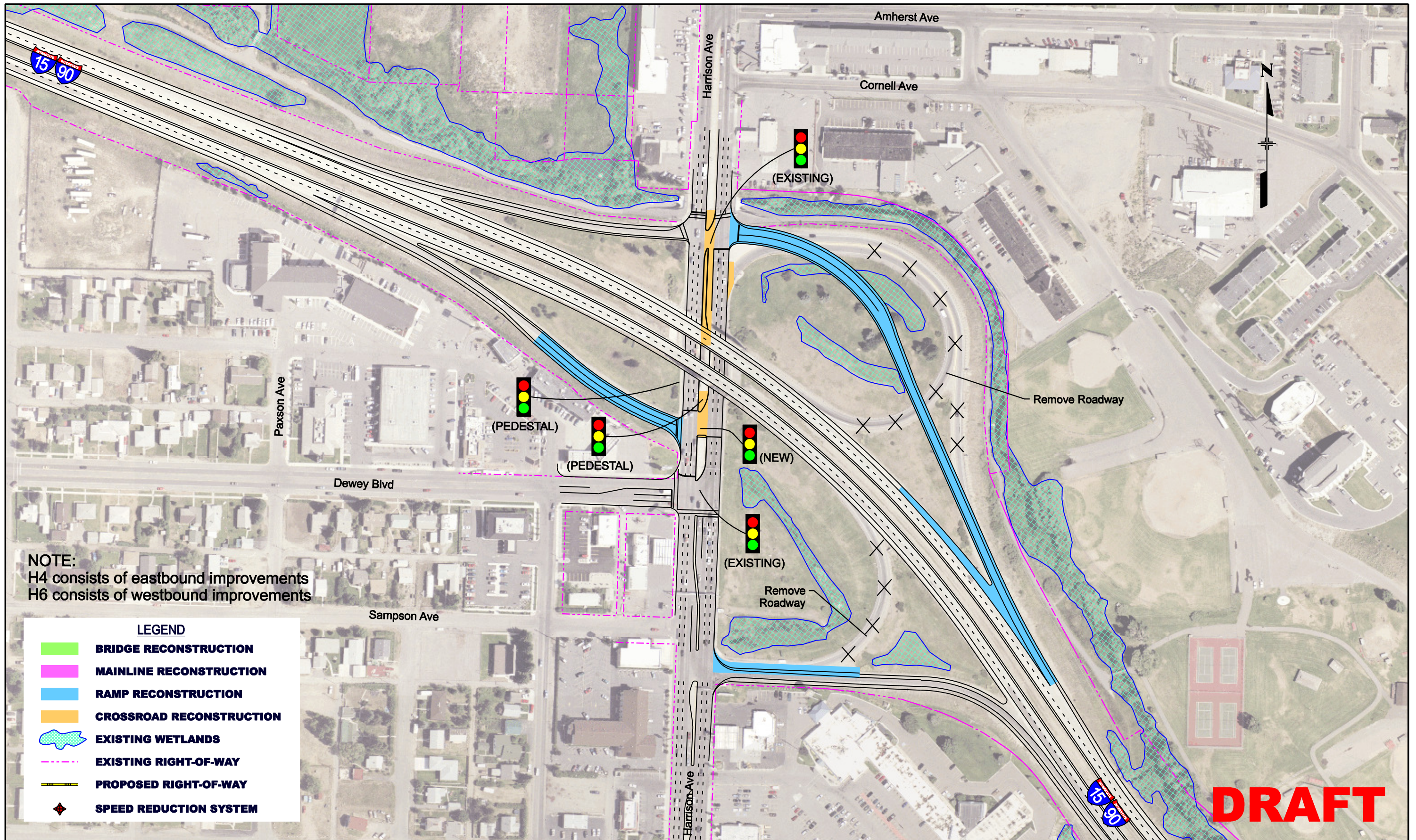
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DATE: 06/2008

DRAWN BY: NLB

FIGURE: H-20

EXHIBIT 6 - 18



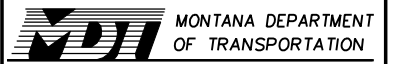
NOTE:  
H4 consists of eastbound improvements  
H6 consists of westbound improvements

**LEGEND**

- BRIDGE RECONSTRUCTION
- MAINLINE RECONSTRUCTION
- RAMP RECONSTRUCTION
- CROSSROAD RECONSTRUCTION
- EXISTING WETLANDS
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- ◆ SPEED REDUCTION SYSTEM

**BUTTE INTERSTATE TRAFFIC STUDY (CN 5098)**  
**HARRISON – OPTION 21 (EB/WB LOOP RAMP REMOVALS)**  
COMBINATION OF OPTIONS H4 & H6

**DRAFT**



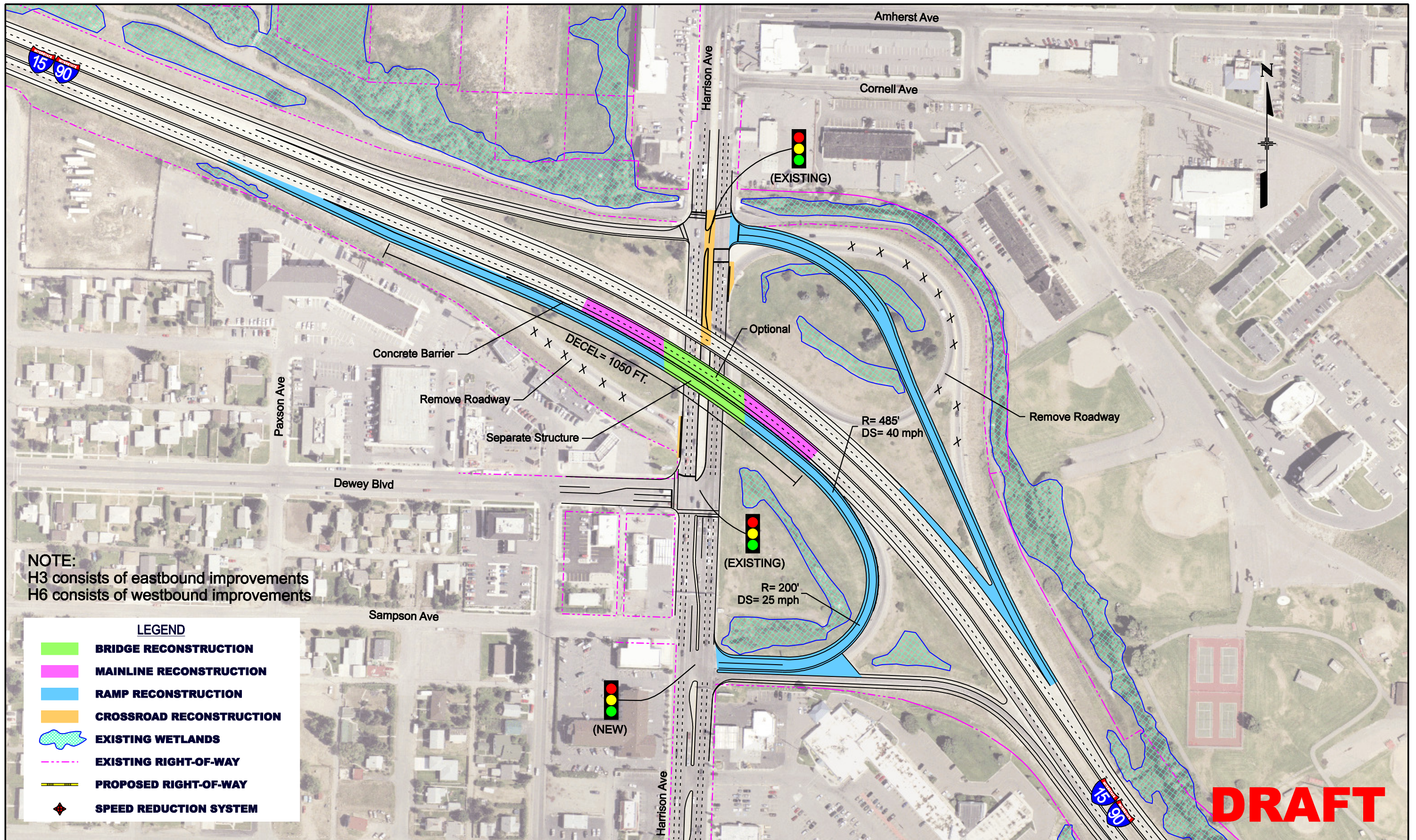
SCALE: 100

DATE: 06/2008

DRAWN BY: NLB

FIGURE: H-21

EXHIBIT 6 - 19



NOTE:  
 H3 consists of eastbound improvements  
 H6 consists of westbound improvements

**LEGEND**

- BRIDGE RECONSTRUCTION**
- MAINLINE RECONSTRUCTION**
- RAMP RECONSTRUCTION**
- CROSSROAD RECONSTRUCTION**
- EXISTING WETLANDS**
- EXISTING RIGHT-OF-WAY**
- PROPOSED RIGHT-OF-WAY**
- ◆ **SPEED REDUCTION SYSTEM**

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**BUTTE INTERSTATE TRAFFIC STUDY (CN 5098)**

**HARRISON – OPTION 22 (WB LOOP RAMP REMOVAL & EB LOOP RAMP MODIFICATION)**  
 COMBINATION OF OPTIONS H3 & H6

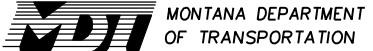


EXHIBIT 6 - 20

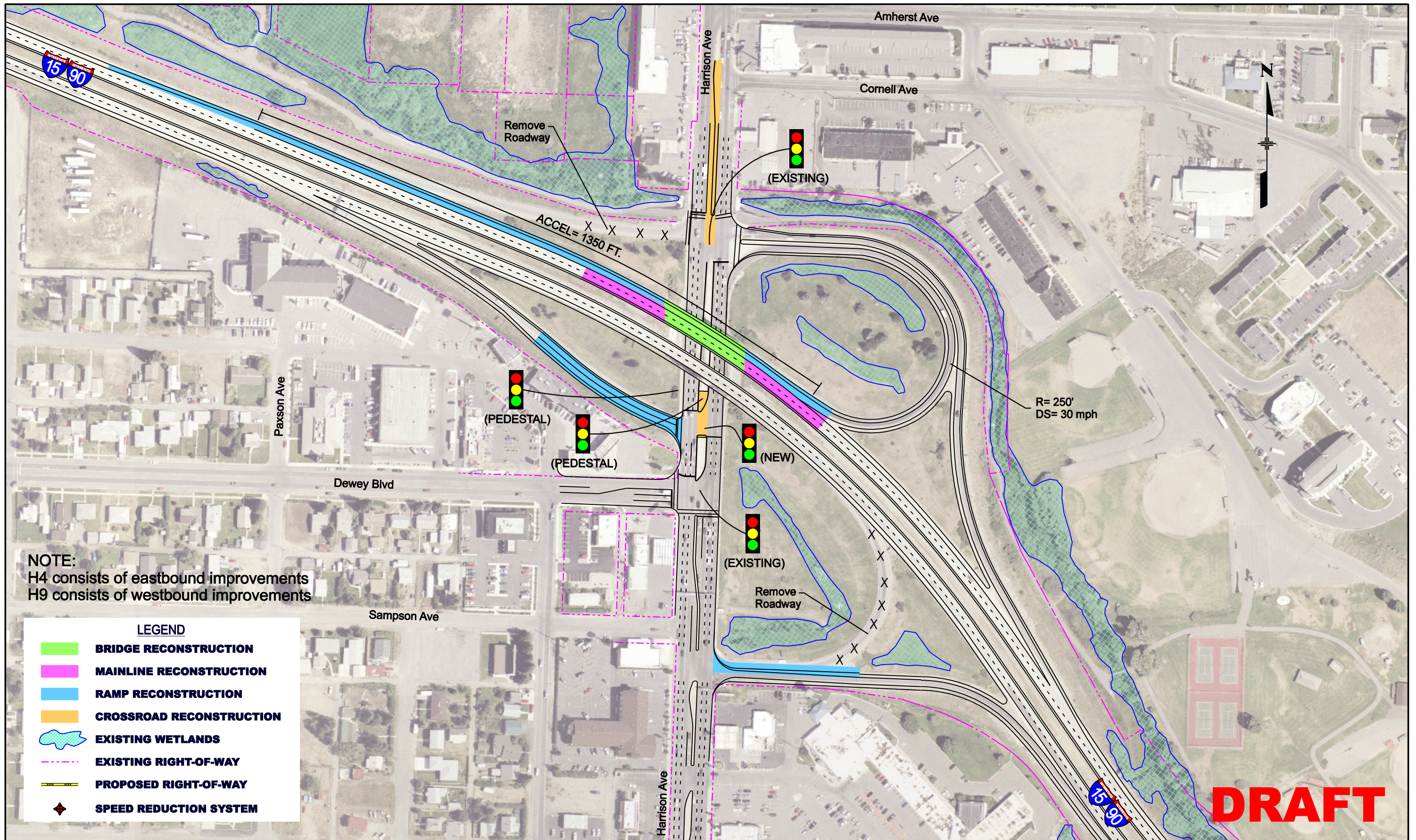


SCALE: 100

DATE: 06/2008

DRAWN BY: NLB

FIGURE: H-22



NOTE:  
 H4 consists of eastbound improvements  
 H9 consists of westbound improvements

**LEGEND**

- BRIDGE RECONSTRUCTION
- MAINLINE RECONSTRUCTION
- RAMP RECONSTRUCTION
- CROSSROAD RECONSTRUCTION
- EXISTING WETLANDS
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- SPEED REDUCTION SYSTEM

**BUTTE INTERSTATE TRAFFIC STUDY (CN 5098)**

HARRISON – OPTION 23 (WB LOOP RAMP MODIFICATION & EB LOOP RAMP REMOVAL)  
 COMBINATION OF OPTIONS H4 & H9



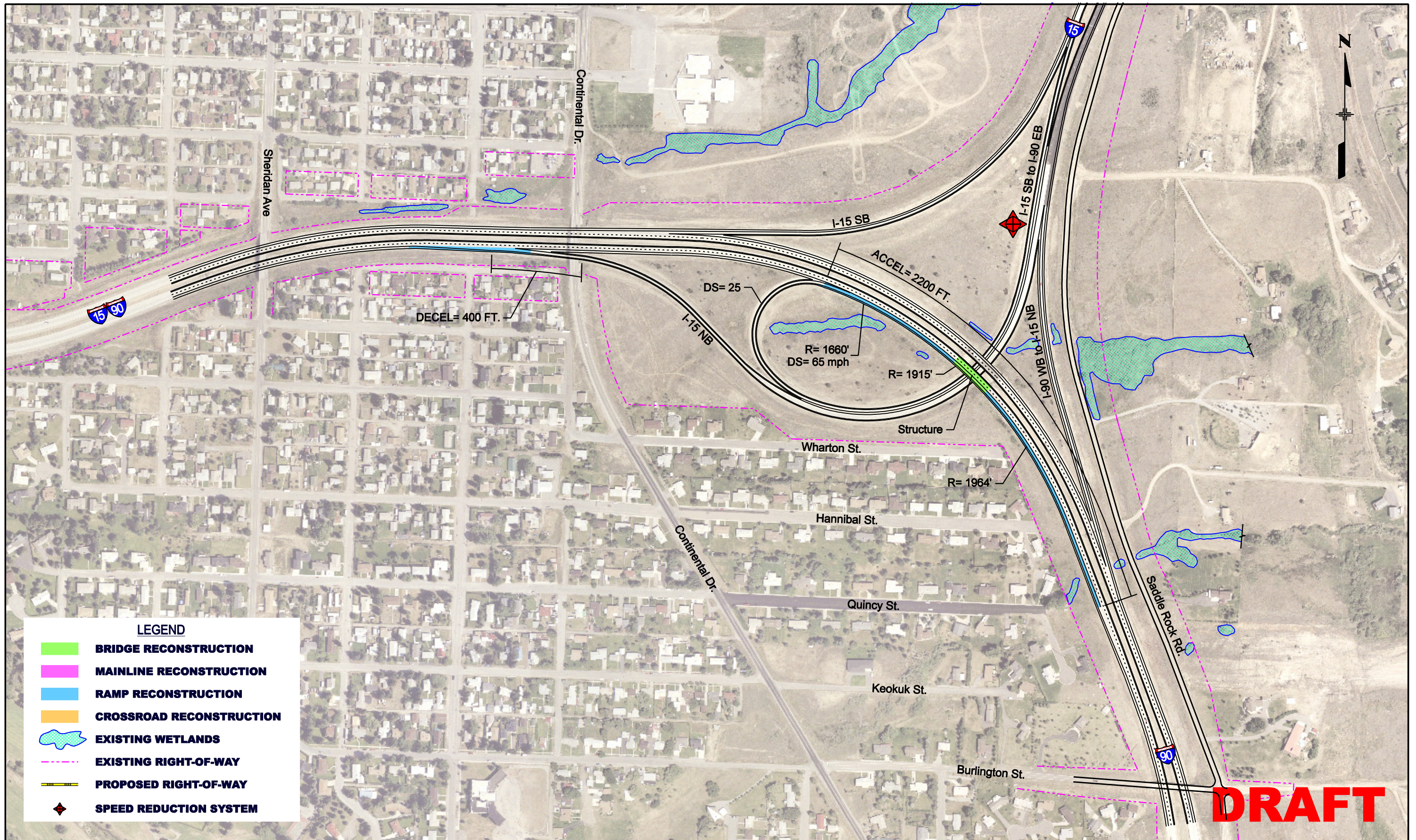
SCALE: 100

DATE: 06/2008

DRAWN BY: NLB

FIGURE: H-23

EXHIBIT 6 - 21

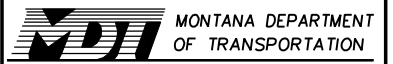


**LEGEND**

- BRIDGE RECONSTRUCTION
- MAINLINE RECONSTRUCTION
- RAMP RECONSTRUCTION
- CROSSROAD RECONSTRUCTION
- EXISTING WETLANDS
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- SPEED REDUCTION SYSTEM

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**BUTTE INTERSTATE TRAFFIC STUDY (CN 5098)**  
**EAST BUTTE – OPTION 2 (DECEL/ACCEL LENGTHENING)**



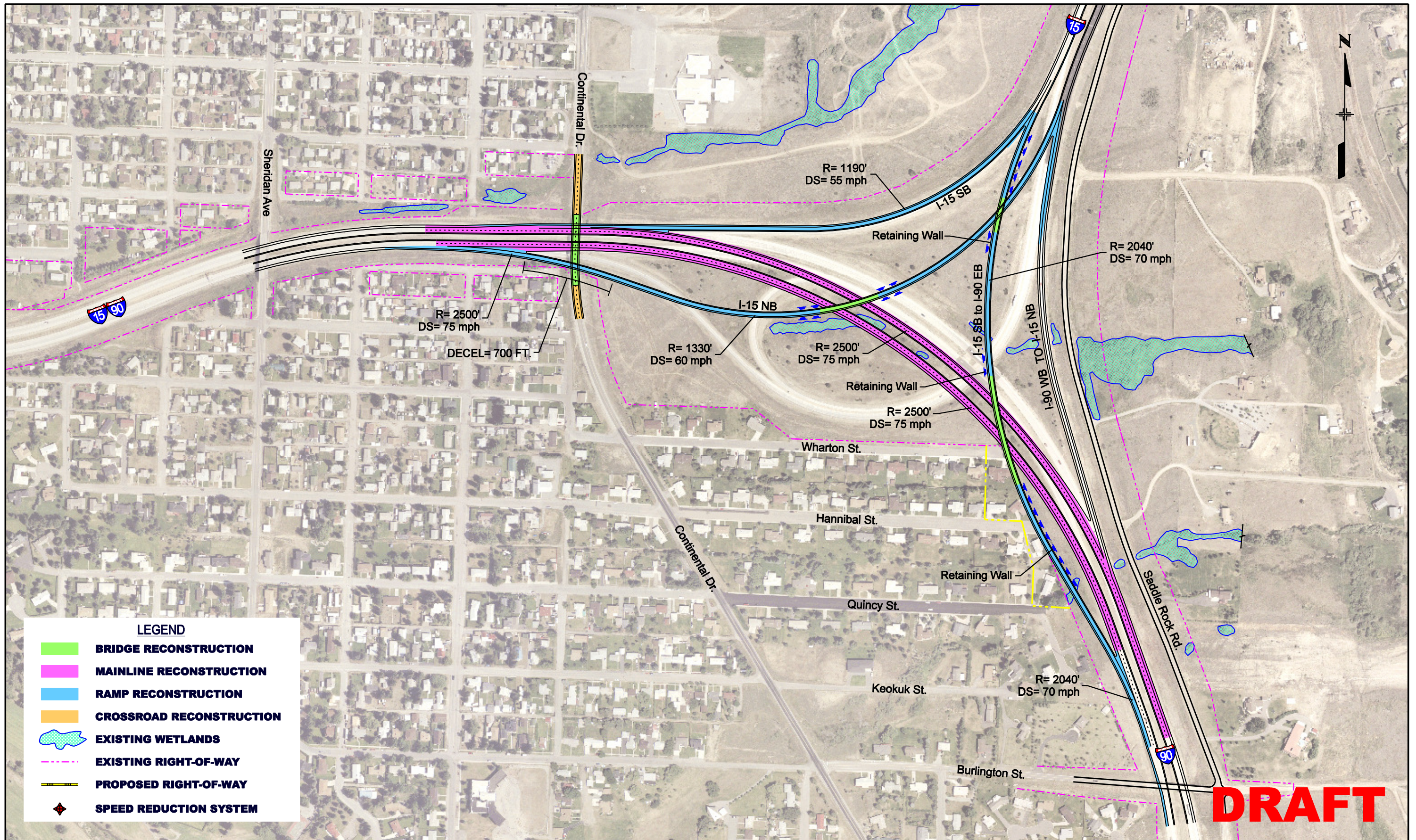
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DATE: 06/2008

DRAWN BY: NLB

FIGURE: EB-2

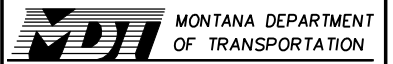
EXHIBIT 6 - 22



**LEGEND**

- BRIDGE RECONSTRUCTION**
- MAINLINE RECONSTRUCTION**
- RAMP RECONSTRUCTION**
- CROSSROAD RECONSTRUCTION**
- EXISTING WETLANDS**
- EXISTING RIGHT-OF-WAY**
- PROPOSED RIGHT-OF-WAY**
- SPEED REDUCTION SYSTEM**

**BUTTE INTERSTATE TRAFFIC STUDY (CN 5098)**  
**EAST BUTTE – OPTION 3 (HIGH SPEED FLYOVERS)**



SCALE: 200

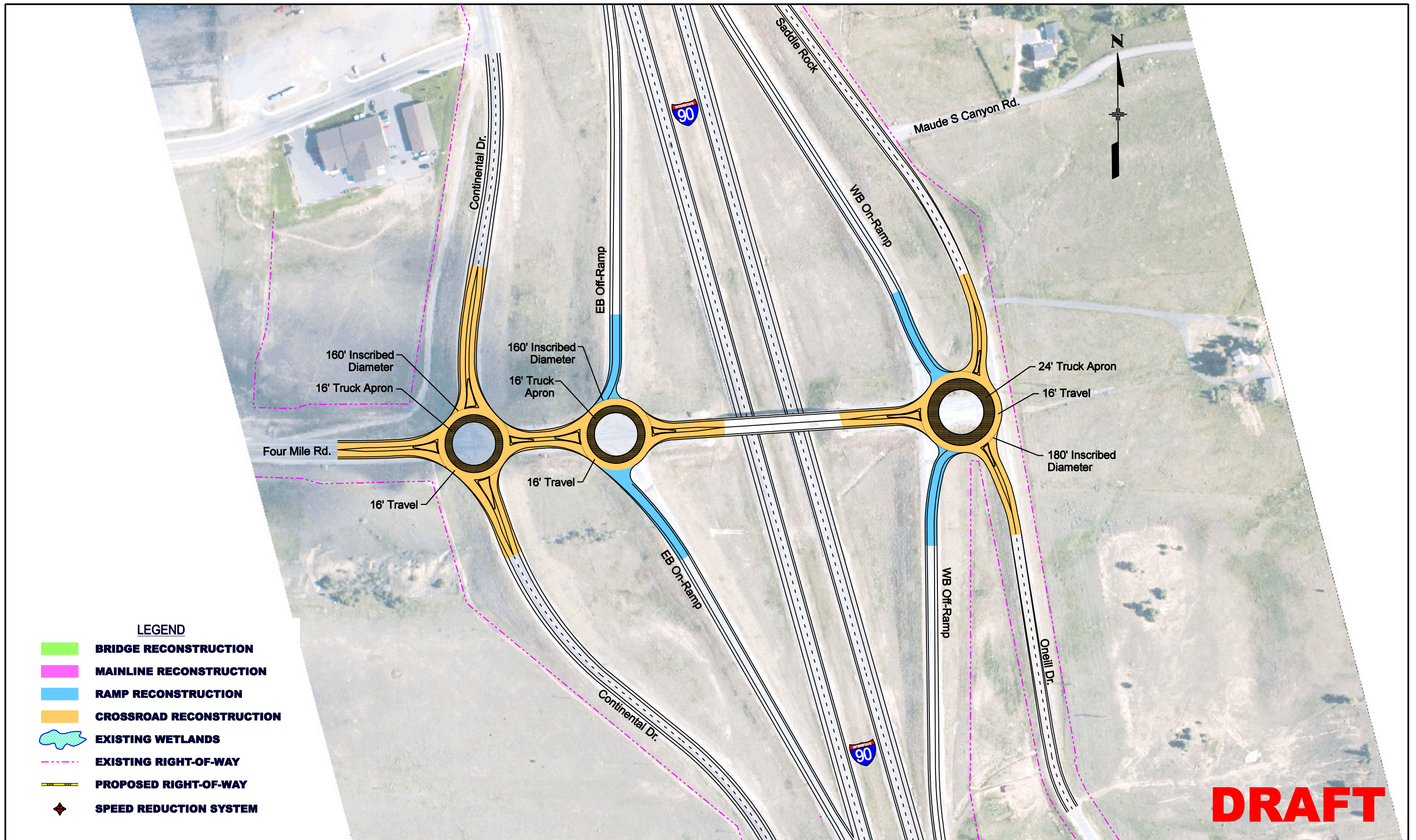
DATE: 06/2008

DRAWN BY: NLB

FIGURE: EB-3

EXHIBIT 6 - 23

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**BUTTE INTERSTATE TRAFFIC STUDY (CN 5098)**  
**CONTINENTAL – OPTION 2B (MULTIPLE ROUNDABOUTS)**



SCALE: 100

DATE: 06/2008

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FIGURE: C-2

EXHIBIT 6 - 24