

**10 CROSSINGS WITH THE HIGHEST
FATAL ACCIDENT PREDICTION FACTOR (FAPF) VALUES
MITIGATION REPORTS RECEIVED
FROM STATES**

ALASKA MITIGATION ANALYSIS DATA

FRA GENERATED CROSSINGS

| Crossings | County | City | Street | Present Device | Proposed Mitigation |
|-----------|----------------------|------------|--------------------|----------------|---|
| 868263N | ANCHORAGE | ANCHORAGE | SPENARD RD | GT | NONE PROPOSED |
| 868311B | MATANUSKA-SUSITNA | PALMER | GLENN HWY | GT | SURFACE REPAIR/GRADE SEPARATION |
| 868318Y | MATANUSKA-SUSITNA | WASILLA | GOOSE BAY RD | GT | GRADE CROSSING SIGNAL/MEDIAN IMPROVEMENTS |
| 868323V | MATANUSKA-SUSITNA | WASILLA | MEADOW LAKES RD. | GT | NONE PROPOSED |
| 868325J | MATANUSKA-SUSITNA | HOUSTON | CHERI LAKE RD | XB | GATES |
| 868332U | MATANUSKA-SUSITNA | WILLOW | FISHOOK-WILLOW RD | GT | NONE PROPOSED |
| 868334H | MATANUSKA-SUSITNA | WILLOW | HIDDENHILLS ACCESS | XB | GATES |
| 868345V | MATANUSKA-SUSITNA | CANTWELL | PARKS HWY | FL | GRADE SEPARATION (SCHEDULED FOR 2001) |
| 868427C | FAIRBANKS NORTH STAR | FAIRBANKS | 3 MILE GATE | XB | NONE PROPOSED |
| 868453S | FAIRBANKS NORTH STAR | NORTH POLE | RICHARDSON HWY. | GT | GRADE SEPARATION/ CLOSURE |

STATE SUGGESTED CROSSINGS

| Crossings | County | City | Street | Present Device | Proposed Mitigation |
|--|--------|------|--------|----------------|---------------------|
| There were no state submitted crossings. | | | | | |
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Warning Device Codes

- XB= Cross Bucks
- FL = Flashing Lights
- GT = Gates
- HS = Highway Sign
- NO = None

**CALIFORNIA
MITIGATION ANALYSIS DATA**

FRA GENERATED CROSSINGS

| Crossings | County | City | Street | Present Device | Proposed Mitigation |
|-----------|---------------|------------------|-------------------|----------------|--|
| 026027J | SAN BERNARDIN | AMBOY | SALTUS ROAD | XB | CLOSURE |
| 026560G | ORANGE | ANAHEIM | IMPERIAL HWY | GT | GRADE SEPARATION |
| 026572B | ORANGE | ANAHEIM | ORANGETHORPE AVE | GT | UPGRADE AWS, SURFACE AND MEDIANS |
| 026743A | ORANGE | SANTA ANA | MCFADDEN STREET | GT | ADDITIONAL FL |
| 027656A | LOS ANGELES | SANTA FE SPRINGS | ROSECRANS BLVD | GT | UPGRADE AWS, MEDIANS AND CLOSE STREETS |
| 028586R | FRESNO | FRESNO | SHAW AVE | GT | GRADE SEPARATION (SCHEDULED 2001) |
| 028767V | STANISLAUS | RIVERBANK | PATTERSON RD | GT | UPGRADE AWS AND SURFACE |
| 745997Y | LOS ANGELES | LOS ANGELES | COLDWATER CNYN RD | GT | AWS, IMPROVE SIDEWALK AND TURNING LANE, AND RELOCATE POLE |
| 746052E | LOS ANGELES | LOS ANGELES | VAN NUYS BLVD | GT | 4-QUADRANT GATES |
| 765937U | MERCED | MERCED | HEALY ROAD | GT | CLOSURE |

STATE SUGGESTED CROSSINGS

| Crossings | County | City | Street | Present Device | Proposed Mitigation |
|-----------|-------------|------------------|-----------------------------|------------------------|---------------------|
| 761132K | ORANGE | ANAHEIM | WEST ST. & SANTA ANA ST. | RECORD NOT FOUND | |
| 027650J | LOS ANGELES | SANTA FE SPRINGS | LOS NIETOS RD. | GT | |
| 028688J | MERCED | FLUHR | BELLEVUE RD. | GT | |
| 746064Y | LOS ANGELES | SUN VALLEY | SUNLAND BLVD. | GT | |
| 746934X | LOS ANGELES | POMONA | EAST END AVE | GT | |
| 751527E | SOLANO | BENICIA | PARK RD. | XB | |
| 760717G | RIVERSIDE | COACHELLA | 50TH AVE | FL | |
| 865215N | STANISLAUS | MODESTO | 9TH ST AT P | XB | |
| 865219R | STANISLAUS | MODESTO | L ST. - STATE 132 | XB | |

Warning Device Codes

XB= Cross Bucks
 FL = Flashing Lights
 GT = Gates
 HS = Highway Sign
 NO = None

**COLORADO
MITIGATION ANALYSIS DATA**

FRA GENERATED CROSSINGS

| Crossings | County | City | Street | Present Device | Proposed Mitigation |
|-----------|---------|------------------|-------------------|----------------|---------------------|
| 003288U | OTERO | LA JUNTA | CR Z WO US 350 | XB | GATES |
| 003375X | OTERO | ROCKY FORD | CR 2100 SO US 50 | XB | GATES |
| 057190R | ADAMS | ROCKY MT ARSENAL | 96TH AVE WO SH 2 | GT | SEPARATION |
| 057262S | MORGAN | BRUSH | CR 25 SO US 34 | XB | GATES |
| 245018N | LARIMER | BERTHOUD | CR 2E-W OF CR 15 | XB | GATES |
| 253607Y | MESA | PALISADE | CR 36 NO US 6 | XB | GATES |
| 804433D | ADAMS | THORNTON | 104THAVE EO US 85 | GT | GRADE SEPARATION |
| 804464C | WELD | FORT LUPTON | 4THST WOPACIFICAV | FL | GATES |
| 804481T | WELD | BRIGHTON | CR4 EO CR27 | XB | GATES |
| 804846X | WELD | GREELEY | CR 66 EO US 85 | XB | GATES |

STATE SUGGESTED CROSSINGS

| Crossings | County | City | Street | Present Device | Proposed Mitigation |
|--|--------|------|--------|----------------|---------------------|
| There were no state submitted crossings. | | | | | |
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Warning Device Codes

- XB= Cross Bucks
- FL = Flashing Lights
- GT = Gates
- HS = Highway Sign
- NO = None

**IDAHO
MITIGATION ANALYSIS DATA**

FRA GENERATED CROSSINGS

| Crossings | County | City | Street | Present Device | Proposed Mitigation |
|-----------|----------|---------------|-----------------|----------------|--|
| 058712P | BONNER | SANDPOINT | SAMUELS RD. | XB | GATES AND CWT |
| 058866A | KOOTENAI | RATHDRUM | MCCARTNEY ST. | FL | CLOSURE |
| 058867G | KOOTENAI | RATHDRUM | MILL ST. | FL | GATES AND CWT |
| 812405V | MINIDOKA | MINIDOKA | 700E | XB | GATES AND CWT |
| 812977W | ELMORE | MOUNTAIN HOME | S. 18TH E. | XB | GATES, CWT, AND RAISE GRADE |
| 819294E | ELMORE | MOUNTAIN HOME | SIMCO RD. | XB | GATES, CWT, AND IMPROVE APPROACH |
| 819342S | CANYON | NAMPA | COLUMBIA/LOCUST | XB | HUMPED CROSSING REMOVED |
| 819345M | CANYON | NAMPA | ROBINSON BLVD. | XB | GATES AND CWT |
| 819346U | CANYON | NAMPA | HAPPY VALLEY RD | XB | GATES AND CWT |
| 819441P | PAYETTE | PAYETTE | N.W. 10TH | XB | GATES, CWT, RELOCATE CANAL AND RAISE GRADE |

STATE SUGGESTED CROSSINGS

| Crossings | County | City | Street | Present Device | Proposed Mitigation |
|-----------|------------|--------|-------------|----------------|---------------------|
| 819350J | CANYON | NAMPA | AMITY | GT | |
| 819403F | WASHINGTON | WEISER | AIRPORT RD. | XB | |

Warning Device Codes

XB= Cross Bucks
 FL = Flashing Lights
 GT = Gates
 HS = Highway Sign
 NO = None

NOTE: CWT (Constant Warning Time)

**INDIANA
MITIGATION ANALYSIS DATA**

FRA GENERATED CROSSINGS

| Crossings | County | City | Street | Present Device | Proposed Mitigation |
|-----------|-----------|-----------------|------------------|----------------|---------------------|
| 522584M | LA PORTE | ROLLING PRAIRIE | PRAIRIE ST | FL | Lights, Gates |
| 326879R | LAKE | EAST CHICAGO | DICKEY ROAD | FL | |
| 341292P | WHITE | BROOKSTON | 1250S | XB | Lights, Gates |
| 342287W | VIGO | TERRE HAUTE | FERREE RD | XB | Lights, Gates |
| 478437F | WHITLEY | SOUTH WHITLEY | C.R. 600 E | XB | Lights, Gates |
| 478506L | KOSCIUSKO | MENTONE | CR 1000W | XB | Lights, Gates |
| 478683R | LAKE | GRIFFITH | COLFAX RD | FL | Lights, Gates |
| 509591S | DE KALB | WATERLOO | PENETON ST | XB | Lights, Gates |
| 522564B | ST JOSEPH | SOUTH BEND | GRANDVIEW AVE | GT | |
| 522579R | LA PORTE | NEW CARLISLE | CNTY LINE (900E) | FL | Lights, Gates |

STATE SUGGESTED CROSSINGS

| Crossings | County | City | Street | Present Device | Proposed Mitigation |
|--|--------|------|--------|----------------|---------------------|
| There were no state submitted crossings. | | | | | |
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Warning Device Codes

- XB= Cross Bucks
- FL = Flashing Lights
- GT = Gates
- HS = Highway Sign
- NO = None

KANSAS MITIGATION ANALYSIS DATA

FRA GENERATED CROSSINGS

| Crossings | County | City | Street | Present Device | Proposed Mitigation |
|-----------|-----------|--------------|------------------|----------------|-------------------------------|
| 005996A | OSAGE | BURLINGAME | CO. ROUTE 1540 | XB | GATES |
| 006200E | FRANKLIN | WELLSVILLE | OHIO TERRACE | XB | CLOSURE |
| 009593A | BUTLER | AUGUSTA | TOWNSHIP RD #151 | XB | CLOSURE AND SIGNALIZATION |
| 009599R | BUTLER | AUGUSTA | TOWNSHIP RD #155 | XB | CLOSURE |
| 009618T | BUTLER | ROSE HILL | TOWNSHIP RD #412 | SS | GATES |
| 009621B | BUTLER | ROSE HILL | TOWNSHIP RD #69 | XB | GATES |
| 009667P | SUMNER | BELLE PLAINE | TOWNSHIP RD #311 | XB | GATES (SECTION 130 PROJECT) |
| 669886Y | CRAWFORD | CHEROKEE | K-126 | FL | GATES |
| 813198G | WYANDOTTE | KANSAS CITY | KANSAS AVE | GT | INTERCONNECTING SIGNAL SYSTEM |
| 813204H | WYANDOTTE | EDWARDSVILLE | 88TH ST | GT | INTERCONNECTING SIGNAL SYSTEM |

STATE SUGGESTED CROSSINGS

| Crossings | County | City | Street | Present Device | Proposed Mitigation |
|--|--------|------|--------|----------------|---------------------|
| There were no state submitted crossings. | | | | | |
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Warning Device Codes

- XB= Cross Bucks
- FL = Flashing Lights
- GT = Gates
- HS = Highway Sign
- NO = None

Note: Proposed mitigations, which refers to the highest form of railroad device, and mitigation cost were developed in conjunction with FRA, FHWA and the state of Alabama

MINNESOTA MITIGATION ANALYSIS DATA

FRA GENERATED CROSSINGS

| Crossings | County | City | Street | Present Device | Proposed Mitigation |
|-----------|------------|---------------|--------------------|----------------|------------------------------|
| 062769X | WADENA | WADENA | OINK JOINT RD | XB | GATES |
| 062814P | OTTER TAIL | PERHAM | TWP 357 | XB | GATES |
| 062860R | BECKER | DETROIT LAKES | WINE LAKE RD | XB | CLOSURE/CONNECTING ROAD |
| 067265P | BENTON | SARTELL | FROST RD | XB | GATES |
| 067270L | BENTON | RICE | LAKE WOOD SHORE RD | XB | CLOSURE/ROADWAY IMPROVEMENTS |
| 067273G | BENTON | RICE | 105TH ST NW | XB | GATES |
| 082513Y | SHERBURNE | BIG | TWP 182 (200TH ST) | XB | GATES |
| 097674N | MORRISON | LITTLE FALLS | CSAH 13 | GT | CLOSURE |
| 097837V | SHERBURNE | BECKER | CO 53 | XB | GATES |
| 097908P | PIPESTONE | PIPESTONE | 8TH AVE NE | FL | GATES |

STATE SUGGESTED CROSSINGS

| Crossings | County | City | Street | Present Device | Proposed Mitigation |
|--|--------|------|--------|----------------|---------------------|
| There were no state submitted crossings. | | | | | |
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Warning Device Codes

XB= Cross Bucks
 FL = Flashing Lights
 GT = Gates
 HS = Highway Sign
 NO = None

**MONTANA
MITIGATION ANALYSIS DATA**

FRA GENERATED CROSSINGS

| Crossings | County | City | Street | Present Device | Proposed Mitigation |
|-----------|-------------|------------|-----------------------|----------------|---------------------|
| 059206S | LINCOLN | LIBBY | RIVERSIDE DRIVE | XB | |
| 059535R | VALLEY | TAMPICO | FAX-246 | FL | |
| 059618E | ROOSEVELT | CULBERTSON | 1ST AVE WEST | XB | |
| 060081R | GALLATIN | BELGRADE | GALLATIN FIELD | XB | |
| 060226A | POWELL | ELLISTON | ELLISTON | XB | |
| 087376L | YELLOWSTONE | BILLINGS | LOCKWOOD- TRANSBAS | XB | |
| 087383W | YELLOWSTONE | BILLINGS | MOORE LANE | GT | SEPARATE |
| 088057W | TOOLE | SHELBY | HEART BUTTE RD | XB | |
| 091412L | MISSOULA | FRENCHTOWN | BECKWIT | XB | |
| 664476H | GLACIER | BROWNING | HEART BUTTE RD | GT | |

STATE SUGGESTED CROSSINGS

| Crossings | County | City | Street | Present Device | Proposed Mitigation |
|-----------|----------------|------------|-----------------|----------------|---------------------|
| 060193P | LEWIS AND CLAF | HELENA | MONTANA AVE | GT | GRADE SEPARATION |
| 060021G | PARK | LIVINGSTON | 5TH STREET | GT | GRADE SEPARATION |
| 060055B | GALLATIN | BOZEMAN | ROUSE AVE | GT | GRADE SEPARATION |
| 060073Y | GALLATIN | BOZEMAN | GRIFFEN DRIVE | GT | GRADE SEPARATION |
| 060090P | GALLATIN | BELGRADE | JACKRABBIT LANE | GT | GRADE SEPARATION |
| 060199F | LEWIS AND CLAF | HELENA | BENTON AVE | GT | GRADE SEPARATION |
| 087491T | YELLOWSTONE | BILLINGS | 27TH STREET N | GT | GRADE SEPARATION |
| 087493G | YELLOWSTONE | BILLINGS | N 29TH STREET | GT | GRADE SEPARATION |
| 088059K | TOOLE | SHELBY | 2ND AVE | GT | GRADE SEPARATION |

Warning Device Codes

XB= Cross Bucks
 FL = Flashing Lights
 GT = Gates
 HS = Highway Sign
 NO = None

Note: All of the crossings nominated by MT for grade separation are currently in the design phase. MT felt that it would be inappropriate to provide cost estimates at this time.

**NEBRASKA
MITIGATION ANALYSIS DATA**

FRA GENERATED CROSSINGS

| Crossings | County | City | Street | Present Device | Proposed Mitigation |
|-----------|-----------|--------------|--------------|----------------|--------------------------|
| 813278A | ADAMS | HASTINGS | NOT PROVIDED | XB | Gates, Lights |
| 064129E | LANCASTER | LINCOLN | ADAMS ST | GT | Grade Separation |
| 073283B | ADAMS | HASTINGS | NOT PROVIDED | XB | Gates, Lights |
| 083180D | ADAMS | JUNIATA | NOT PROVIDED | XB | Gates, Lights |
| 083426Y | YORK | YORK | NOT PROVIDED | XB | Closure |
| 813274X | ADAMS | HASTINGS | NOT PROVIDED | XB | Closed |
| 817488D | HALL | ALDA | NOT PROVIDED | XB | Relocation & Realignment |
| 817507F | HALL | SHELTON | NOT PROVIDED | XB | Widen Approach |
| 817546W | MERRICK | SILVER CREEK | NOT PROVIDED | XB | Relocation & Realignment |
| 817760B | DAWSON | GOTHENBURG | AVE J | GT | None |

STATE SUGGESTED CROSSINGS

| Crossings | County | City | Street | Present Device | Proposed Mitigation |
|--|--------|------|--------|----------------|---------------------|
| There were no state submitted crossings. | | | | | |
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Warning Device Codes

- XB= Cross Bucks
- FL = Flashing Lights
- GT = Gates
- HS = Highway Sign
- NO = None

**NEW JERSEY
MITIGATION ANALYSIS DATA**

FRA GENERATED CROSSINGS

| Crossings | County | City | Street | Present Device | Proposed Mitigation |
|-----------|-----------|---------------|-------------------|----------------|---------------------|
| 172359C | MIDDLESEX | MIDDLESEX | MOUNTAIN AVE | GT | GRADE SEPARATION |
| 172387F | SOMERSET | BRANCHBURG | READINGTON RD | GT | GRADE SEPARATION |
| 263186S | BERGEN | RAMSEY | MAIN STREET | GT | GRADE SEPARATION |
| 263203F | PASSAIC | PATERSON | FIFTH AVE | GT | GRADE SEPARATION |
| 263242W | ESSEX | MONCLAIR | PINE ST | GT | CLOSURE |
| 586073E | ATLANTIC | HAMMONTON | BELLEVUE AVE | GT | GRADE SEPARATION |
| 856889J | MONMOUTH | MIDDLETOWN | CHURCH ST | GT | GRADE SEPARATION |
| 856891K | MONMOUTH | MIDDLETOWN | NAVESINK RIVER RD | GT | GRADE SEPARATION |
| 856902V | MONMOUTH | LITTLE SILVER | OCEANPORT AVE | GT | GRADE SEPARATION |
| 856918S | MONMOUTH | LONG BRANCH | CEDAR AVE | GT | GRADE SEPARATION |

STATE SUGGESTED CROSSINGS

| Crossings | County | City | Street | Present Device | Proposed Mitigation |
|-----------|-----------|-------------------|-----------------|----------------|---------------------|
| 172360W | MIDDLESEX | MIDDLESEX BOROUGH | CEDAR AVE | GT | GRADE SEPARATION |
| 263092K | HUDSON | NORTH BERGEN | 83RD ST | FL | GATES |
| 263412N | BARYEN | GARFIELD | MIDLOAD AVE | GT | GRADE SEPARATION |
| 586045B | CAMDEN | BERLIN TWP | HARKER AVE | GT | CLOSURE |
| 856899P | MONMOUTH | RED BANK | BROAD ST (SH35) | GT | GRADE SEPARATION |
| 856901N | MONMOUTH | LITTLE SILVER | SYCAMORE AVE | GT | GRADE SEPARATION |
| 856923N | MONMOUTH | OCEAN TWP | ROOSEVELT AVE | GT | CLOSURE |
| 856988G | OCEAN | POINT PLEASANT | SEA AVE (SH35) | GT | GRADE SEPARATION |
| 908864K | CAMDEN | BERLIN TWP | MILFORD RD | GT | GRADE SEPARATION |
| 912696F | MIDDLESEX | MIDDLESEX BOROUGH | CEDAR AVE | GT | GRADE SEPARATION |

Warning Device Codes

XB= Cross Bucks
 FL = Flashing Lights
 GT = Gates
 HS = Highway Sign
 NO = None

**NEW YORK
MITIGATION ANALYSIS DATA**

FRA GENERATED CROSSINGS

| Crossings | County | City | Street | Present Device | Proposed Mitigation |
|-----------|-------------|---------------|---------------|----------------|--------------------------|
| 338151C | NASSAU | BETHPAGE | STEWART AVE. | GT | CLOSE/SEPARATE |
| 338145Y | NASSAU | MINEOLA | ROSLYN ROAD | GT | GRADE SEPARATION |
| 338146F | NASSAU | WESTBURY | SCHOOL ST | GT | CLOSE/SEPARATE |
| 338162P | SUFFOLK | WYANDANCH | STRAIGHT PATH | GT | CLOSE/SEPARATE |
| 338172V | SUFFOLK | CENTRAL ISLIP | CARLTON AVE. | GT | CLOSE/SEPARATE |
| 338309M | NASSAU | SYOSSET | JACKSON AVE | GT | CLOSE/SEPARATE |
| 338357C | NASSAU | OCEANSIDE | ATLANTIC AVE. | GT | CLOSE/SEPARATE |
| 514529S | MONROE | GATES | PIXLEY ROAD | GT | CLOSE/CANTILEVER SIGNALS |
| 524307K | CHAUTAUQUA | RIPLEY | LOOMIS ST | XB | CLOSE/SEPARATE |
| 529898H | WESTCHESTER | MOUNT KISCO | GREEN LANE | GT | CLOSE/SEPARATE |

STATE SUGGESTED CROSSINGS

| Crossings | County | City | Street | Present Device | Proposed Mitigation |
|---|--------|------|--------|----------------|---------------------|
| There are no state submitted crossings. | | | | | |
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Warning Device Codes

- XB= Cross Bucks
- FL = Flashing Lights
- GT = Gates
- HS = Highway Sign
- NO = None

**OREGON
MITIGATION ANALYSIS DATA**

FRA GENERATED CROSSINGS

| Crossings | County | City | Street | Present Device | Proposed Mitigation |
|-----------|------------|-----------|-----------------|----------------|---|
| 066759F | JEFFERSON | CULVER | IRIS DRIVE | XB | FLASHING LIGHTS |
| 066762N | JEFFERSON | CULVER | FEATHER DR | XB | STOP SIGNS |
| 749467X | WASHINGTON | HILLSBORO | SUSBAUER RD | XB | STOP SIGNS |
| 759688C | LINN | ALBANY | 34TH AV | FL | RAISED MEDIANS |
| 759712B | LINN | HALSEY | D ST | XB | FLASHING LIGHTS |
| 759780C | LINN | HALSEY | TWIN BUTTE W DR | XB | FLASHING LIGHTS |
| 760044W | CLACKAMAS | CANBY | ELM ST | FL | RAISED MEDIANS/INTERCONNECT WITH TRAFFIC SIGNAL |
| 760047S | CLACKAMAS | CANBY | BARLOW RD | GT | RAISED MEDIANS/INTERCONNECT WITH TRAFFIC SIGNAL |
| 809034J | UMATILLA | PENDLETON | ISHKIT LANE | XB | FLASHING LIGHTS |
| 809361U | UNION | LA GRANDE | GEKELER LANE | HS | GATES |

STATE SUGGESTED CROSSINGS

| Crossings | County | City | Street | Present Device | Proposed Mitigation |
|--|--------|------|--------|----------------|---------------------|
| There were no state submitted crossings. | | | | | |
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Warning Device Codes

- XB= Cross Bucks
- FL = Flashing Lights
- GT = Gates
- HS = Highway Sign
- NO = None

NOTE: Proposed mitigation and mitigation costs were developed in conjunction with the FRA and FHWA without input from state.

**PENNSYLVANIA
MITIGATION ANALYSIS DATA**

FRA GENERATED CROSSINGS

| Crossings | County | City | Street | Present Device | Proposed Mitigation |
|-----------|--------------|-------------|-------------------|----------------|------------------------------|
| 145466V | WESTMORELAND | SMITHTON | JACOBS CREEK RD | FL | RELOCATE CABINETS AND POLES |
| 471926S | ERIE | FAIRVIEW | FAIRPLAIN ROAD | XB | GATES (1999) |
| 507756F | WASHINGTON | CHARLEROI | 2ND STREET | XB | GATES (APRIL 2000) |
| 523921E | ERIE | SPRINGFIELD | DGNL-WHTN-LNCH RD | XB | GATES (SCHEDULED FY 2000-01) |
| 529052H | INDIANA | JOHNSTOWN | SR 2009 | FL | RECONSTRUCTION OF HIGHWAY |
| 541424A | DELAWARE | MORTON | WOODLAND AVE | GT | NONE PROPOSED |
| 588602S | MONTGOMERY | ROYERSFORD | MAIN STREET | GT | NONE PROPOSED |
| 592390X | LEHIGH | ALBURTIS | ORCHARD RD | XB | CLOSURE/RELOCATE |
| 592391E | LEHIGH | MACUNGIE | GEHMANS RD | XB | CLOSURE/RELOCATE |
| 592405K | LEHIGH | EMMAUS | SECOND ST | FL | GATES |

STATE SUGGESTED CROSSINGS

| Crossings | County | City | Street | Present Device | Proposed Mitigation |
|-----------|----------|-------------|--------|----------------|---------------------|
| 535163N | FRANKLIN | GREENCASTLE | T351 | XB | NONE PROVIDED |

Warning Device Codes

XB= Cross Bucks
 FL = Flashing Lights
 GT = Gates
 HS = Highway Sign
 NO = None

**SOUTH DAKOTA
MITIGATION ANALYSIS DATA**

FRA GENERATED CROSSINGS

| Crossings | County | City | Street | Present Device | Proposed Mitigation |
|-----------|------------|---------------|----------------|----------------|--|
| 189455F | SPINK | NORTHVILLE | SO 20 | XB | GATES |
| 189707E | BEADLE | WOLSEY | | XB | GATES |
| 189716D | BEADLE | WOLSEY | COMMERCIAL AVE | FL | RELOCATE CANTILEVERS AND ADD GATES AND MEDIANS |
| 190258N | PENNINGTON | RAPID CITY | ST PATRICK ST | FL | INSTALL GATES, UPGRADE CIRCUITRY |
| 190276L | PENNINGTON | RAPID CITY | CROSS ST | XB | RELOCATE CROSSING AND RECONSTRUCT HIGHWAY |
| 190292V | PENNINGTON | RAPID CITY | UNIVERSAL DR | XB | GATES |
| 199776P | BUTTE | BELLE FOURCHE | US 85 | FL | INSTALL INTER-TIE WITH TRAFFIC SIGNALS, ADD CANTILEVER AND UPGRADE CIRCUITRY |
| 393648N | GRANT | TWIN BROOKS | CO. RD. 19 | XB | GATES |
| 393780L | BROWN | ABERDEEN | CROSS ST | XB | GATES |
| 393905J | CORSON | WAKPALA | | XB | GATES |

STATE SUGGESTED CROSSINGS

| Crossings | County | City | Street | Present Device | Proposed Mitigation |
|--|--------|------|--------|----------------|---------------------|
| There were no state submitted crossings. | | | | | |
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Warning Device Codes

- XB= Cross Bucks
- FL = Flashing Lights
- GT = Gates
- HS = Highway Sign
- NO = None

**UTAH
MITIGATION ANALYSIS DATA**

FRA GENERATED CROSSINGS

| Crossings | County | City | Street | Present Device | Proposed Mitigation |
|-----------|-----------|---------------|---------------------|----------------|---------------------------------|
| 254340N | SALT LAKE | DRAPER | 123 S 500 W DRPRD | GT | WIDEN/IMPROVE STATE ROAD (STIP) |
| 254405E | UTAH | SPANISH FORK | 1200 E ON SR 147 | FL | GATES (STIP 2003) |
| 254880J | UTAH | LEHI | 1250W ON 1220N WA | XB | REMOVE TREES/SHRUBS |
| 254892D | UTAH | LEHI | 8170 N ON 7800 W WA | XB | GATES |
| 254900T | UTAH | AMERICAN FORK | 5200 W ON 6400 N WA | XB | GATES (COMPLETED 2002) |
| 805623K | DAVIS | CLEARFIELD | MAIN ST. 200 SO. | GT | SEPARATION (STIP 2000) |
| 806625C | IRON | BERYL | CO RD | XB | REPLACE SIGNS |
| 806649R | MILLARD | OASIS | CO RD | XB | NEEDS SURVEILLANCE |
| 806707J | TOOELE | TOOELE | 1000 W. 250 N. | XB | CLOSURE |
| 806879S | UTAH | PAYSON | 4200 W. 10000 S. | XB | CLOSURE |

STATE SUGGESTED CROSSINGS

| Crossings | County | City | Street | Present Device | Proposed Mitigation |
|-----------|--------|------|--------|----------------|---------------------|
| 254892D | | | | | |
| 254902G | | | | | |
| 806682R | | | | | |
| 806706C | | | | | |
| 806822R | | | | | |
| 806959K | | | | | |

Warning Device Codes

XB= Cross Bucks
 FL = Flashing Lights
 GT = Gates
 HS = Highway Sign
 NO = None

**VIRGINIA
MITIGATION ANALYSIS DATA**

FRA GENERATED CROSSINGS

| Crossings | County | City | Street | Present Device | Proposed Mitigation |
|-----------|----------------|-------------|----------------|----------------|-----------------------------|
| 467423S | ISLE OF WIGHT | WINDSOR | S PRINCE BLVD | GT | SIGNAL INTERCONNECTION |
| 467450N | SUSSEX | WAVERLY | BEAVERDAM ROAD | GT | TBD |
| 467480F | PRINCE GEORGE | PETERSBURG | RIVES ROAD | GT | NONE PROPOSED |
| 468419F | HENRY | FIELDALE | FIELD AVE | FL | CANTILEVERED FL |
| 468915B | RUSSELL | HONAKER | PUTMAN ROAD | FL | GATES |
| 623672C | RICHMOND | RICHMOND | WALMSLEY BLVD | GT | TBD |
| 623683P | CHESTERFIELD | CHESTER | CURTIS STREET | GT | FL (1999) |
| 623706U | PETERSBURG | PETERSBURG | HALIFAX RD | GT | SEPARATION (SCHEDULED) |
| 714363S | PRINCE WILLIAM | GAINESVILLE | LEE HWY | GT | DUAL GATES (INSTALLED 1997) |
| 860437F | HENRICO | RICHMOND | HUNGARY ROAD | GT | NONE PROPOSED |

STATE SUGGESTED CROSSINGS

| Crossings | County | City | Street | Present Device | Proposed Mitigation |
|--|--------|------|--------|----------------|---------------------|
| There were no state submitted crossings. | | | | | |
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Warning Device Codes

- XB= Cross Bucks
- FL = Flashing Lights
- GT = Gates
- HS = Highway Sign
- NO = None

**WISCONSIN
MITIGATION ANALYSIS DATA**

FRA GENERATED CROSSINGS

| Crossings | County | City | Street | Present Device | Proposed Mitigation |
|-----------|------------|-------------|-----------------|----------------|---|
| 692296K | WASHINGTON | ALLENTON | HILLCREST DR | XB | GATES |
| 692213U | WAUKESHA | WAUKESHA | MAIN ST | FL | GATES (CY 2000) |
| 390675A | COLUMBIA | RIO | WILLIAMS RD | XB | GATES |
| 692579H | WOOD | MILLADORE | HAYNES AVE | XB | GATES |
| 692527R | PORTAGE | CUSTER | COUNTY HWY J | FL | GATES |
| 692483T | WAUPACA | WAUPACA | LARSON RD | XB | CLOSURE |
| 690239P | WINNEBAGO | NEENAH | MAIN ST | GT | HIGHWAY BRIDGE PLANNED |
| 697810T | OUTAGAMIE | APPLETON | COUNTY HWY JJ | FL | COMPLETION IN CY2000 TO INSTALL CONSTANT WARNING TIME CIRCUITRY |
| 079906D | LA CROSSE | TREMPEALEAU | LYTLE RD | XB | GATES |
| 692263X | WASHINGTON | COLGATE | WILLOW CREEK RD | XB | GATES |

STATE SUGGESTED CROSSINGS

| Crossings | County | City | Street | Present Device | Proposed Mitigation |
|-----------|----------|----------|----------------|----------------|---------------------|
| 692218D | WAUKESHA | WAUKESHA | MORELAND BLVD. | GT | SEPARATION |
| 692232Y | WAUKESHA | PEWAUKEE | COUNTY HWY M | FL | GATES |
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Warning Device Codes

- XB= Cross Bucks
- FL = Flashing Lights
- GT = Gates
- HS = Highway Sign
- NO = None

**WYOMING
MITIGATION ANALYSIS DATA**

FRA GENERATED CROSSINGS

| Crossings | County | City | Street | Present Device | Proposed Mitigation |
|-----------|------------|-------------|-----------------|----------------|----------------------------|
| 064920E | WESTON | NEWCASTLE | W. MAIN ST | GT | NONE PROPOSED |
| 064922T | WESTON | NEWCASTLE | GROVE ST | FL | NONE PROPOSED |
| 089208M | GOSHEN | TORRINGTON | MAIN ST | GT | SEPARATION |
| 095097L | CAMPBELL | GILLETTE | FOOTHILLS BLVD | GT | NONE PROPOSED |
| 098863N | SHERIDAN | SHERIDAN | | FL | GATES |
| 807292G | LINCOLN | COKEVILLE | FIRST ST-SH 231 | GT | NONE PROPOSED |
| 810472H | SWEETWATER | WAMSUTTER | BROADWAY | GT | SEPARATION |
| 816334P | GOSHEN | YODER | US 85 | FL | CANTILEVERED SIGNAL SYSTEM |
| 817676T | LARAMIE | PINE BLUFFS | CO 212 | GT | NONE PROPOSED |
| 817686Y | LARAMIE | HILLSDALE | CO 136 | GT | GATES (SCHEDULED FOR 2000) |

STATE SUGGESTED CROSSINGS

| Crossings | County | City | Street | Present Device | Proposed Mitigation |
|--|--------|------|--------|----------------|---------------------|
| There were no state submitted crossings. | | | | | |
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Warning Device Codes

- XB= Cross Bucks
- FL = Flashing Lights
- GT = Gates
- HS = Highway Sign
- NO = None