

I-190 / SILVER STREET RECONSTRUCTION PROJECT IM 1902(61)0

PRE-BID MEETING

South Dakota Department of
Transportation

I-190 / Silver Street Reconstruction

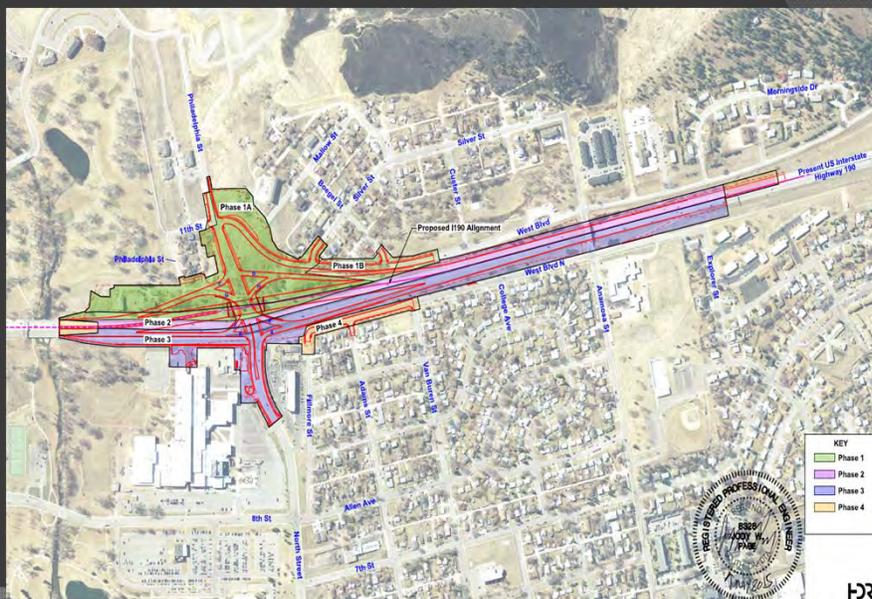
- Scope of Project
- Construction Sequence
- Plan Details
- Utility Relocation / Adjustment
- Questions / Comments

SCOPE OF PROJECT

Grading, Storm Sewer, C&G, AC and PCC Pavement, Structures, Roadway Lighting, Signals, Pavement Marking & Signing

- Reconstruct I-190
 - South Half of I-190 Alignment Shifts to the West
 - New Bridge & Interchange (Single Point Urban Interchange Configuration)
 - MSE Wall Construction Under Bridge & Along Ramps
- North Street
 - Reconstruct Eastern Portion and Extend to Philadelphia Street
 - Special Type C Retaining Wall (In Front of Howard Johnson Hotel)
 - Remove & Reset Gravity Large Concrete Block Retaining Wall
- West Blvd. West
 - Reconstruct and Extend to North Street
 - Soil Nail Wall with Reinforced Fill Slope
- West Blvd. North
 - Sever Connection Between Fillmore Street and North Street
 - Reconstruct Between Fillmore Street and Van Buren Street
- Utility Work
 - City of Rapid City Utility Improvements (PCN X03T) – Water and Sanitary Sewer
 - Power, Communication, and Gas relocation and adjustments

CONSTRUCTION SEQUENCE



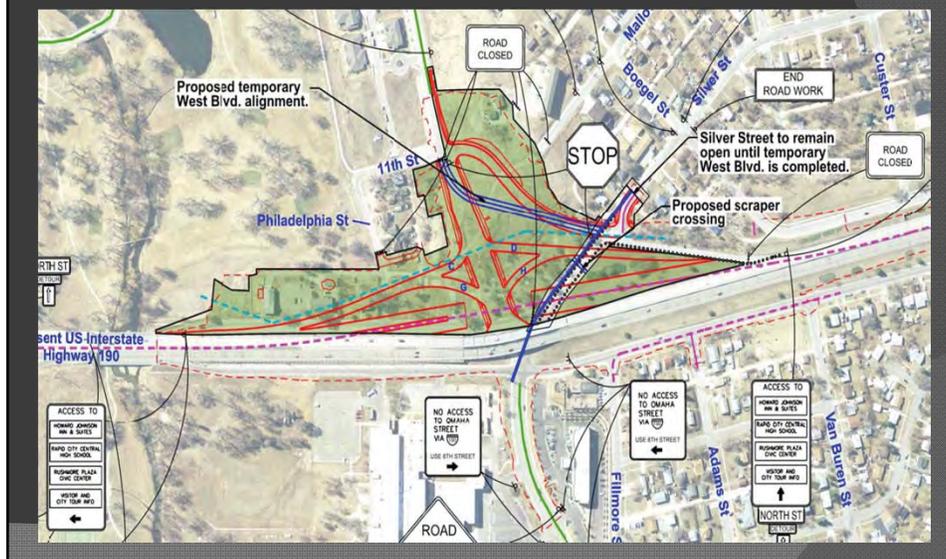
CONSTRUCTION SEQUENCE

Phase 1A – Late Summer / Fall 2015

- Southbound On-Ramp Closed To Traffic
- Interim Grading - Rebound Area
- Soil Nail Wall (Top Down Construction) – Rebound Area
- Temporary Pipe Connection Across Southbound Off Ramp
 - Ramp closed for 2 Calendar Days (except between 6am and 9am)
 - \$500/Calendar Day Liquidated Damages
- Construct Temporary West Blvd. Alignment Between Silver St. and Philadelphia St.

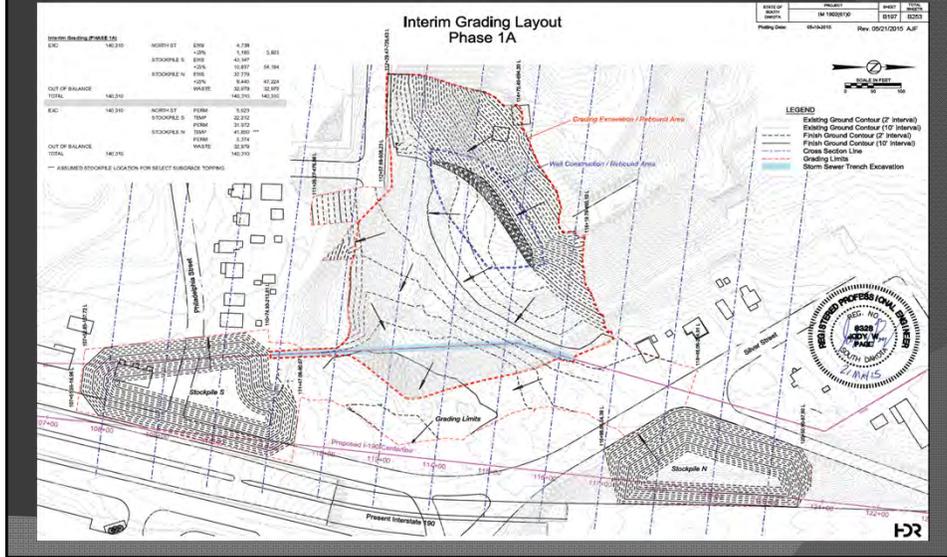
CONSTRUCTION SEQUENCE

Phase 1A



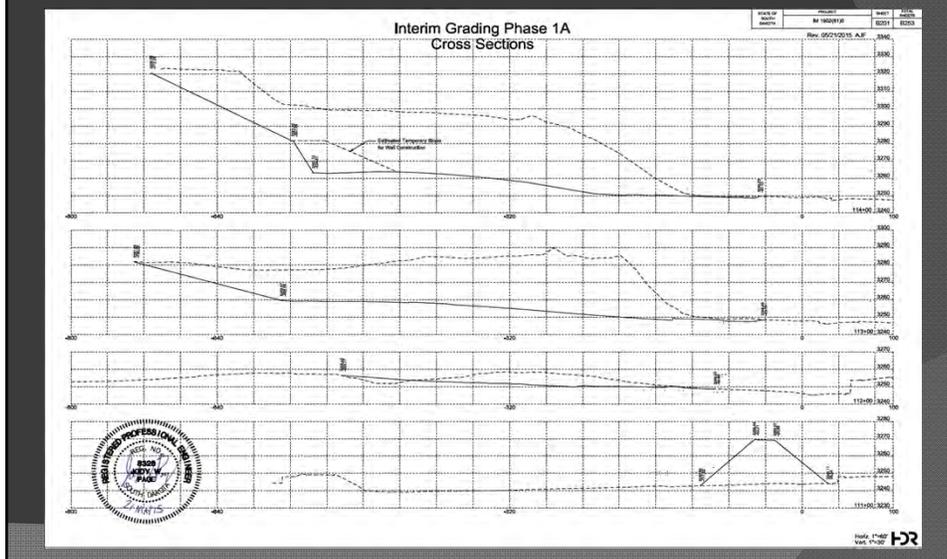
INTERIM GRADING – REBOUND AREA

Phase 1A



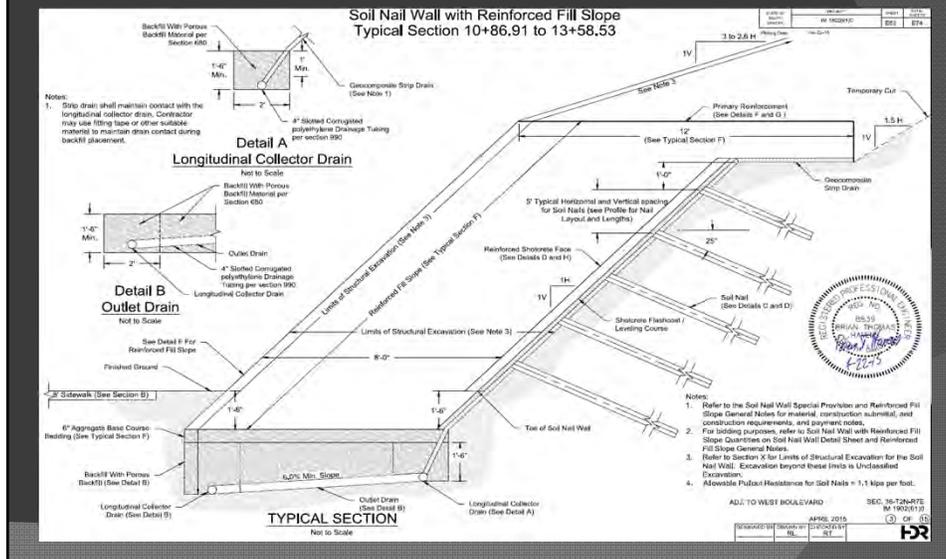
INTERIM GRADING – REBOUND AREA

Phase 1A



SOIL NAIL WALL – REBOUND AREA

Phase 1A



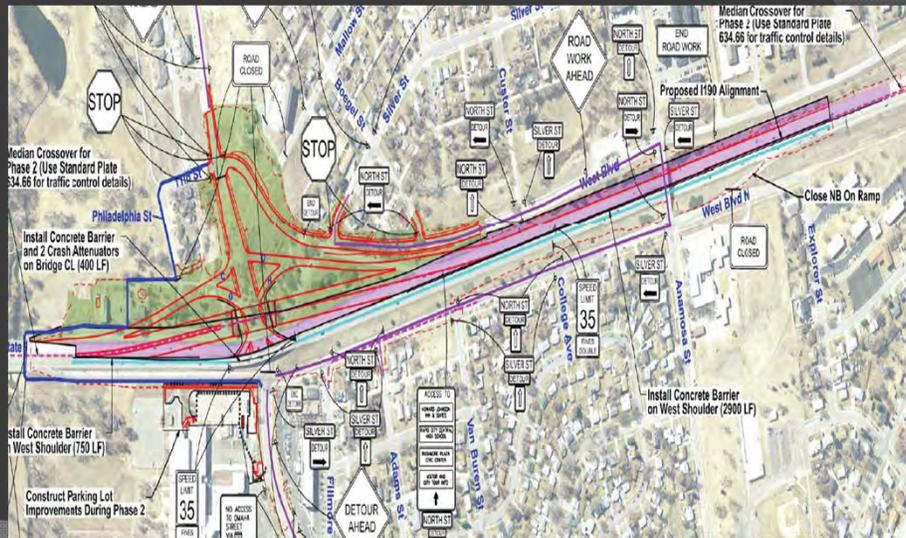
CONSTRUCTION SEQUENCE

Phase 1B – Fall / Winter - 2015 / 2016

- Construct North & South Median Crossovers on I190
 - 10 Working Days Each Crossover
 - \$750/Working Day Liquidated Damages
- Close SB Off-Ramp & Sever the Silver St. to North St. Connection
- Start Construction of New Bridge & MSE Walls
- Complete as Much Work as Possible West of Current I190 Alignment Outside of the 6 Month Rebound Area

CONSTRUCTION SEQUENCE

Phase 2



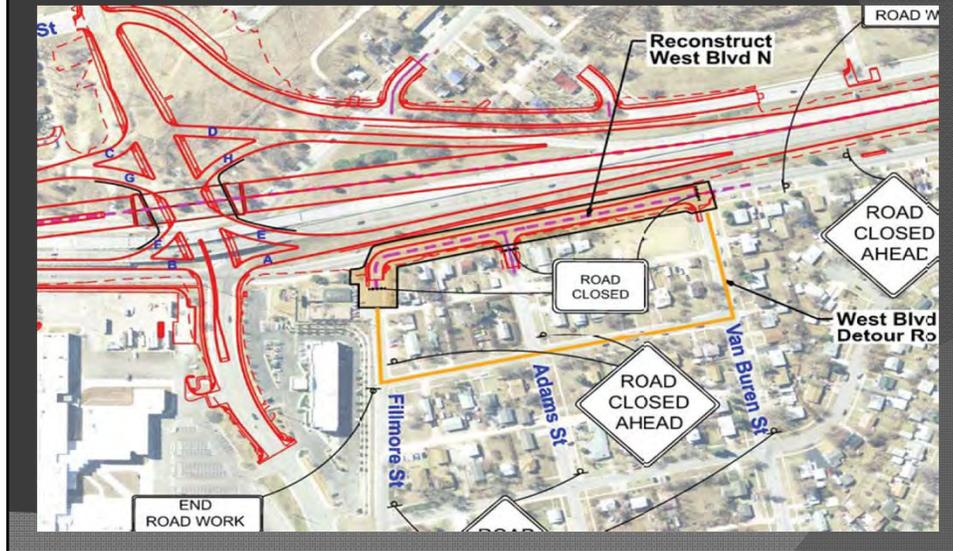
CONSTRUCTION SEQUENCE

Phase 3 – After Phase 2 Completion to July 28, 2017

- Construct New I190 NB Lanes
- Close West Blvd. North between Fillmore St. and North St.
- Construct Eastern Portion of North Street
 - Large Special Type C Retaining Wall in Front of Howard Johnson
 - Access to Howard Johnson & RCC HS maintained at all times
- Finish Construction of MSE Walls Under New Bridge
- Open all Roads/Ramps/Traffic Lanes to Unimpeded Traffic
 - Incentive/Disincentive - \$9000/Day, \$270,000 Max Incentive
 - 2017 Rally Restriction – July 29, 2017 to August 13, 2017

CONSTRUCTION SEQUENCE

● Phase 4



PLANS DETAILS

- Restricted Work Area
 - Parcel 21 – West Blvd Alignment
 - Work Within Existing ROW Until Late Spring 2016
- Remove Buildings
 - Parcel 22 – West Blvd Alignment
 - Contains Asbestos
- Select Subgrade Topping – 118,707 CuYd's
 - No Undercut on Project
 - All Alignments Get Select Subgrade Topping
 - 41,850 CuYd's Available From Upper Portion of Rebound Excavation Area
 - Remaining Quantity May Be Found Elsewhere on Project; Made by Crushing PCCP and Mixing with Excavated Material; or Hauling in Material from Off-Site

PLANS DETAILS

- ◉ Possible Waste Site for Excavation
 - RC School District - Stevens High School – 50,000 CuYd's

- ◉ Pedestrian Access
 - Maintain Unimpeded Hard Surfaced Path thru Project
 - Routes Are Identified in the Traffic Control Plans
 - Will Need to be Adjusted in the Field Based on Contractors Construction Activities

- ◉ Public Information Specialist
 - DOT Will Contract with HDR Engineering Inc.
 - Point of Contact During Construction
 - Weekly Updates
 - Conduct Public Meetings

PLANS DETAILS

- ◉ Prosecution and Progress
 - Category 3 Grading Project in Zone 3
 - Critical Path Method or Linear Schedule Method Requirement

- ◉ Alternate Bidding
 - Stainless Reinforcing Steel or Zinc and Epoxy Dual-Coated Reinforcing Steel in Bridge Deck

UTILITY RELOCATION / ADJUSTMENT

- ◉ Utilities Within the Work Limits
 - Water and Sanitary Sewer
 - City of Rapid City (PCN X03T) – Completed in Conjunction with DOT Project
 - Power
 - Black Hills Power – Distribution
 - Relocated Prior to Construction
 - Black Hills Power – Transmission
 - Can Be Taken Out of Service To Allow for Large Excavation in Rebound Area
 - New Facility Installed During Construction along West Blvd. West
 - Gas – Relocated Prior to Construction
 - Montana Dakota Utilities
 - Communication – Relocated Prior to Construction
 - Vast Broadband
 - Midcontinent
 - Qwest/Century Link
 - South Dakota Network

Questions?

Comments?