



COLORADO

Department of Transportation

Region 2

REGION TRANSPORTATION DIRECTOR

5615 Wills Blvd.

Pueblo, CO 81008

June 15, 2018

To: Ms. Anna Marriotti, Program Manager II Civil Rights

From: Karen Rowe, R2 Transportation Director

Re: R2 ADA Curb Ramp Prioritization Plan FY18-FY19

Regional ADA Curb Ramp Prioritization Plan Requirements:

The following is the Region 2 Curb Ramp Prioritization Plan for FY-18 and FY-19. Currently, Region 2 has approximately 3,479 ADA ramps within regional boundaries. The number of ramps and the categories of the ramps are based on a database developed by CDOT's Civil Rights and Business Resource Center (See attachment). The initial data collection was compiled in 2013 and is currently being updated to reflect replacements or modifications completed after 2013. The Region will continually monitor changes to the database, make appropriate changes to the plan, and deliver a strategy to make ADA ramps in the region functionally accessible.

Requirement No. 1- Overall Approach to Prioritization:

The region will continue to review and update the Region 2 ADA Ramp list, as some projects have replaced ramps since the 2013 survey. The Region will also investigate what projects in the 5-year plan have ADA improvements. Ramps in close proximity to projects planned in the 5-year may be included in those projects. All ADA improvements will be coordinated with Region 2 staff. A meeting will be scheduled with Region 2 Program Engineers and Resident Engineers to assist in developing a priority list of projects.

Also with the RAMP devolution process some Local Entities in Region 2 have taken responsibility for sections of former state highways, these should also be removed from the Region totals. Wayne Pittman will be the Region 2 Project Manager for the ADA Prioritization Plan and Implementation.

In general, the priority will be based on population and corridors. Areas with higher concentrations of Tier I Ramps will be addressed first. Ramps categorized in Tier II and Tier III will only be addressed if it is within the same corridor as those in Tier I. The list will be updated each year with new focus areas. This is based on the replacement of ramps as the work progresses is more cost effective than the cost of remobilization, traffic control or erosion control to bring ramps into compliance.

For the Region 2 ADA Transition, it is estimated that there will be a need for multiple projects that are distributed between two Region 2 Program Areas (North and South) and 14 counties. There will also be a need for most geographic areas to have multiple projects in project development to accommodate: specific design elements (i.e. field survey); project clearances; local agency coordination; ESB construction packaging, construction packaging by type of work, etc. The Region 2 ADA Ramp Transition Plan divides the ramp needs into geographic areas that are associated with counties and program areas, and then develops packages of projects that include one or more counties. The



individual project packages are scoped to allow for project development cycle from consultant task order procurement through construction completion of approximately 36 months, with the largest duration of time allotted to Environmental (6 months) and ROW Clearances and Acquisition (12-18 months) requirements. Some projects and or individual ramps may also require a delay in construction start and end dates to allow for program funding constraints, realistic construction production rates, or other factors.

Ramps included in individual project packages are based on counties and/or local jurisdiction limits, and individual ramps are prioritized based on statewide ramp classification: Tier I (Red and Orange); Tier II (Green; Turquoise; Magenta, and Yellow) and Tier III (Gray and White). Region 2 will prioritize ramp needs and will initially program as follows:

- High Priority: Tier I Red and Orange Ramps (634 Ramps)
 - FY 2017-2022- Design, ROW, Utilities and Construction (DRUC)
- High-Medium Priority- Tier II Green and Turquoise (568 Ramps)
 - FY 2018-2022- Design, ROW, Utilities and Construction (DRUC)
- Low-Medium Priority- Tier II Magenta and Yellow (274 Ramps)
 - FY 22 and Beyond- Construction
- Low Priority- Tier III Gray and White (2003 Ramps)
 - FY 22 and Beyond - Design, ROW, Utilities and Construction (DRUC)

In an effort to maximize available construction season, to show a commitment to ESB Construction, and to reassure the public that this is a construction program, Region 2 will advertise and construct projects in the 2018 construction season as funding is available with the Region's Cash Balance limitations.

FY 2018 and 2019 Tasks/Deliverables:

- Program Development:
 - Develop the scope of work and select a R2 ADA Curb Ramp Transition Program Management Consultant Engineer using the Region 2 NPS Contract.
 - Develop Scope of Work and obtain Contract
 - Contract Duration - Current NPS Expiration Date
 - Contract Capacity- To be determined
 - Estimated Cost - To be determined
 - Scope- Survey and Survey Title Verification, General Engineering, ROW Plan Development, Post Design Construction Services, etc.
 - Does Not Include: ROW Acquisition (Personnel Services will need to use different contracting method)
 - Environmental Clearances- Programmatic Approach (Estimate 24 Month Duration (Feb April 2018-April 2020):
 - Region 2 REPEM to work with other RPEM's to develop programmatic approach to environmental clearances, specifically historic clearances.
 - ROW Pilot Project:
 - Select project that needs ROW acquisition and use CDOT's Pilot Program for ADA Ramps.
 - Develop Screening Process for Project Development Time and Clearance Requirements, and classify ramps as Low, Medium or High Risk based on multiple factors. For "Early out" Projects there will be an effort made to advance only "Low" risk ramps that have clearances with minimal impact to project development timeline.



- Develop R2 ADA Ramp Transition Plan Program and Guidelines to assist with setting realistic expectations on the scope of the projects for CDOT Project Development teams as well as stakeholders to avoid, minimize or mitigate scope creep within projects. Scope will need to be very specific and tight to align with the limited funding and restricted timeframes provided.
- Develop several projects that require minimal Environmental, ROW, and other clearances and can be ready for advertisement in July of 2018.
- Accelerate Survey and Survey Title Verification: Survey elements are critical to all ramp project development. Identification of ramp locations within CDOT, Public, or Private ROW is a significant unknown that will impact all future ramp evaluations and project development. Region plan is to survey and obtain survey title verification on all Tier I, II, and III Ramps in all 14 Counties in FY 2018, 2019, and 2020 utilizing CDOT and Consultant resources.

Region 2 Survey and Project Design Areas 2018-2019

Planned Project Delivery:

Colorado Springs I-25 and SH 21
Westcliffe SH 69 and SH 96

Design Focus:

Walsenburg I-25 & 160
ESP Project US 24 and SH 67 Woodland Park and Divide.
Canon City US 50 and SH 115

Requirement No. 2: Plan to Address Pre-Construction:

- Region 2 will utilize consultant staff services via our NPS contract to expedite the planning and prioritization of ADA Ramps.
- Region 2 will utilize 1 FTE full time for program management.
- Survey and Survey Title Verification: Survey elements are critical to all ramp project development. Identification of ramp locations within CDOT, Public, or Private ROW is a significant unknown that will impact all future ramp evaluations and project development. Region plan is to survey and obtain survey title verification on all Tier I, II, and III Ramps in all 15 Counties in FY 2018, and 2019 utilizing CDOT and Consultant resources.
- Develop Screening Process for High to Low Risk clearance items.
- Design Approach for Projects:
 - Project Management:
 - CDOT- Blended Team with Local Resident Engineer and 1-FTE ROW/Acquisitions
 - Survey: Use Existing NPS GE or Survey Task Orders for Early out Projects
 - Utilities: Coordination of utility locates prior to survey.
 - Design: Region 2 GE NPS Consultant
- Comments/Notes/Challenges:
 - There will be a need for a Region 2 Non Project Specific ADA Curb Ramp GE Contract.
 - Assumes 100% of CDOT FTE as PM



- Project Delivery: Project will use Design-Bid-Build (DBB) Project Development/Procurement Process for projects, but will also evaluate other contracting methods such as Best Value and IDIQ.
- Project Development time for projects will be accelerated to meet the objectives of the Chief Engineer to have one Emerging Small Business (ESB) construction package ready to advertise each year.
- ROW Acquisition Process may require CONDITIONAL ROW CLEARANCE.
- ROW Pilot Program for ROW Acquisition will be used as recommended by ROW Manager.
- Scope Creep will need to be avoided, minimized or mitigated. Need to educate and set expectation with locals. Will need to minimize the addition of scope for other CDOT Asset Programs, Traffic and Maintenance.

Requirement No. 3 Plan to Proactively Addressing Clearances:

- Environmental Clearances- Programmatic Approach (Estimate 12 Month Duration (June 2018-June 2019). Region 2 REPEM to work with other RPEMs to develop programmatic approach to environmental clearances, specifically historic clearances.
- Region 2 will develop and deliver two projects that will cover project development from survey and survey title verification through construction. Lessons Learned on these projects will be incorporated into all future projects developed.
- Region 2 will develop a screening process for project development time and clearance requirements and classify ramps as low, medium or high risk based on multiple factors. For “Early out” Projects there will be an effort made to advance only “Low” risk ramps that have clearances that have minimal impact to project development timeline.
- Develop R2 ADA Curb Ramp Transition Plan Program and Guidelines to assist with setting realistic expectations on the scope of the projects for CDOT Project Development Teams as well as stakeholders to avoid, minimize or mitigate scope creep within projects. Scope will need to be very specific and tight to align with the limited funding and restricted timeframes provided.

Requirement No. 4 Achievement Goals:

The proposed approach to delivering projects is to identify ramps with decreasing level of risk (i.e. Tier I-III) and by county to allow for ramps with the highest priority to be delivered first. The development of an ADA Curb Ramp Program will take time, and along the way project development and construction efficiencies will be learned and incorporated into the remaining projects.

The current program proposed has identified total of \$1,885,000 for FY 17 and 18 only. Based on this the Region 2 plans to perform survey, survey title verification, preconstruction activities and advertise for construction using FY 18 and 19 funds, but may require FY 19 funds for the advancement of additional construction projects.

The Regional goals for FY-18 and FY-19 are:

1. Have a minimum of two projects under construction during FY-19 replacing 100+ ramps
2. Have at least one ESB construction project under construction during FY-19 replacing a minimum of 25 to 30 ramps
3. Address the remainder of 500+ ramps in the red and orange categories for Right-of-Way and environmental clearances, define projects, and prepare PS&E packages.
4. Address over 2,800+ ramps in the subsequent categories beginning clearance process to be shelf ready when funding becomes available.



Requirement No. 5 Anticipated Budget Expenditures:

For Budgeting Purposes, the following cost assumptions were made:

- Region 2 Current Allocations:
 - FY 17- \$310,000
 - FY 19-\$1,575,000
 - FY 20-TBD

Our plan is to not only be able to replace and expend the programmed budget but also be ready if additional funds are available from either additional allocations or other Regions not able to expend theirs. The current total planned Region 2 budget remaining for FY-18 and FY-19 is unknown at this time but the Region will continue to develop construction plan packages ready for advertisement when funds become available. The remaining budget will be expended on preconstruction activities focusing on survey, right-of-way and environmental clearances.

Requirement No. 6 Emerging Small Business (ESB) Restricted Project Requirements:

Region 2 plans to provide opportunities that support the ESB community to have at least one construction packages awarded each year. The contract value for these projects would be in the range of \$100,000 to \$300,000. Each of these projects would include replacement or modification of 10 to 50 ramps per contract. Identifying which ramps would be included is not yet defined and could be focused in a specific geographical area, roadway corridor or smaller municipality. The Region will consider using a streamlined procurement approach to award at least one of these projects in the fall of 2018.

Below is a list of accomplishment for FY 18:

- Reviewed CDOT's Project Database for completeness. Coordinated found errors with CDOT GIS.
- Set up Database in Project wise by corridor that contains standard plan sheets for future projects.
- Looked at different corridors with low complexity for potential ESB project.
- Created overall database of historic conditions for all ramps identified in Region 2.
- Got Assessor data from El Paso County to be able to show ROW lines on plans.
- Assisted in submittal of SEP 14 Application for Region ADA Federal Aid Ramp Contracts.
- Assisted in developing scoring criteria for Best Value Contractor Selection Bid Form.
- Developed checklist for use when inspecting ADA Ramps. Field Inspections for I-25 and Powers to verify Information in CDOT's database and see what other issues existed with replacement of ramps.
- Got Historic Clearance for I-25 and Powers projects.
- Developed Priority List that shows high, medium and low priority. List also shows ramps recently constructed from other projects that can be show as being in compliant. (See Attachment).
- Coordinated with other Region 2 RE's to get plans that recently have been recently constructed.
- Coordination with City of Colorado Springs to discuss ADA Ramp Program and make sure there is no overlap with 2C Project
- Coordination with City of Canon City to discuss what ramps on US 50 can be included in upcoming Local Agency Project.
- Identified non-compliant ramps in Walsenburg. Held Pre-Survey conference with Region 2 Surveyors. Prepared map for surveyors showing what survey was needed for 134 ramps in Walsenburg. Part of Survey completed but ROW and Utilities not in survey. In discussion with



Region Survey to see if they can complete survey or Wilson needs to complete survey. Scoping meeting held with Region 2 and Greg Martinez.

- Completed survey, plans and cost estimate for the ramps at intersection of US 24 and SH 67 in Divide to be change ordered in to paving project. Contractor pricing to high. These ramps to be included with other ramps in Divide and Woodland Park for ESB Project. Maps have been prepared showing what ramps are not in compliance.
- Prepared maps for US 24 and SH 67 in Divide in Woodland Park, I-25 thru Pueblo and US 50 IN Canon City showing ramp locations. Intersections with Tier 1 Ramps will be addressed first.
- Prepared plans for I-25 in El Paso County to 95% for 7 intersections along I-25 in El Paso County containing 77 ramps. Intersections selected all have Tier 1 Ramps. Specifications need to be revised to include recent specifications that have been developed from ADA committee.
- Prepared Plans for Powers Boulevard to 85% for 12 intersections along Powers Boulevard. Intersections selected all have Tier 1 Ramps. Quantities need to be developed and Specifications need to be revised to include recent specifications that have been developed from ADA committee.

Below is a list of planned deliverables for FY 19:

- Keep Priority List current with completed project and prioritize future projects.
- Assist with Coordination of other Region 2 Projects and with Local Entities projects.
- Meet with Region 2 Program Engineers and Resident Engineers to develop priority list.
- Select project that has ROW Acquisition using CDOT's Pilot Program for ADA Ramps
- Prepare PS&E package for Powers and I25 Ramps. "Small effort since both packages are almost complete". Project Scheduled for Advertisement July 19, 2018 or sooner.
- Prepare PS&E construction plans for 134 ADA ramps in Walsenburg. Estimating \$2000 per ramp where ROW is close and grades differ because of complexity. Approximately 110 ramps will need design and the rest will be built from M&S standard details. Based on recent CDOT projects completed by Wilson and Stolfus and Associates in Walsenburg and Manitou Springs ramps of this complexity average \$2000 per ramp to design. This effort is estimated at \$200,000 to \$225,000. It is estimated that it will take 4 Months to get to FIR level once survey is complete. Final plans completed 4 months after FOR. Wilson Cost for this project will be higher if CDOT determines it does not have the resources to complete survey and prepare ROW plans and Wilson performs this task.
- Prepare PS&E construction plans for ESB project in Woodland Park and Divide. Maps have been developed. Cost of project to be determined. Intersections with at least one Tier 1 Ramp will be addressed first. Divide contains 18 total Ramps and Woodland Park contains 42 total ramps with intersections that have at least one Tier 1 Ramp. There are 151 ramps in Woodland Park and Divide. FIR/FOR in July of 2108 with Advertisement in September if funds are available.
- Prepare PS&E construction plans package for project for I-25 through in Pueblo. Intersections with Tier 1 Ramps will be addressed first. There are 43 totals ramps with intersections that have at least one tier 1 ramp. There are 83 Ramps on I-25 through Pueblo. FIR/FOR in August with Advertisement in October if funds are available.
- Begin preparing plans for other High Priority Corridors or Corridors as directed by CDOT
- Continue with Historic Clearances for each Project and corridor.
- Assist in pursuing Best Value Contractor Bid and facilitate meetings with selected Contractor
- Prepare Best Management Practices and lessons learned Matrix with input from Region 2's ADA Construction Projects, E and other CDOT ADA Projects.
- Implementation Plan and Schedule for Curb Ramp compliance with breakout for standalone ADA ramp projects and other planned roadway projects.

