

STANLEYCONSULTANTS

Town of Castle Rock



February 14, 2020

CONSTRUCTION ADMINISTRATION AND INSPECTION SERVICES Plum Creek Parkway from Gilbert Street to Eaton Street

RFP NO. 2018-03



February 14, 2020

Town of Castle Rock
Public Works Department
4175 Castleton Court
Castle Rock, Colorado 80109
Attention: Mr. Aaron Monks

RE: RFP 2018-03-PW- Construction Administration and Inspection Services

Dear Aaron Monks:

Stanley Consultants, Inc. is pleased to submit its proposal for **Construction Administration and Inspection Services for the Plum Creek Parkway and Roundabouts Improvements Project**. We look forward to continuing our relationship with Castle Rock through this project.

Our experience and expertise is in the management of transportation construction projects. Stanley Consultants has worked on multiple similar improvement projects, including many similar projects for the Town of Parker and Douglas County. Our staff has worked on several roundabout projects, including on Mainstreet in Parker and Bear Dance Drive in Larkspur. We have extensive roadway widening experience and understand the challenges of managing traffic and pedestrians during construction, along with phased drainage, roundabout construction and utility conflicts. Our Construction Management group excels at developing strong teaming arrangements with our clients to become an extension of the owner's staff. We strongly encourage you to check our references.

The Stanley Consultants team offers these advantages:

- » **Knowledge** – Our team members have decades of experience working on similar projects.
- » **Roadway Widening and Reconstruction experience** – As a Prime Consultant, Stanley Consultants has successfully completed over 20 similar projects.
- » **Availability**– Our team is currently completing projects and is 100% available for the Plum Creek Parkway and Roundabouts Improvements Project.
- » **Knowledgeable Teaming Partner**- We have included **Kimley-Horn** as a subconsultant to provide inspection depth. We feel their experience with the Town can add valuable depth to help cover peak work times.

We appreciate the opportunity to present our qualifications to you. **The information and data submitted is true and complete to the best of my knowledge as certified by my signature.** If you have any questions regarding this submittal, **please contact John Forni at 303.908.0756, or email at ForniJohn@stanleygroup.com.**

Sincerely,
Stanley Consultants, Inc.



John C. Forni, III
Construction Services Department Manager

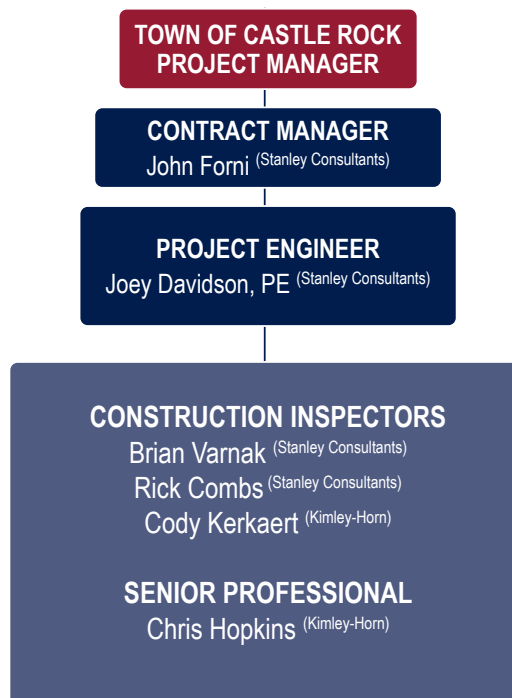


FEE PROPOSAL
PLUM CREEK PARKWAY AND ROUNDABOUT IMPROVEMENTS
SOUTH GILBERT STREET TO EASTON STREET, PHASE 1B
TOWN OF CASTLE ROCK, COLORADO
FEBRUARY 14, 2020 (REVISED MARCH 16, 2020)

Direct Labor				
Name	Classification	Hourly Rate	Hours	Total Amount
John Forni (Stanley Consultants)	Constructiton Manager	\$185.00	20	\$3,700.00
Joey Davidson (Stanley Consultants)	Project Engineer	\$160.00	825	\$132,000.00
Brian Varnak (Stanley Consultants)	Sr. Construction Observer	\$120.00	1716	\$205,920.00
Rick Combs (Stanley Consultants)	Construction Observer	\$94.00	175	\$16,450.00
Cody Kerkaert (Kimley-Horn)	Construction Observer	\$120.00	0	\$0.00
Chris Hopkins (Kimley-Horn)	Senior Professional	\$190.00	0	\$0.00
Amelia Dyer	Project Coordinator	\$80.00	10	\$800.00
Construction Management and Inspection Total				\$358,870.00

Total Not to Exceed Contract Amount	\$358,870.00
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Actual expenses and consultant services completed shall be billed monthly





Firm's Experience

BRIEF COMPANY BIOS



Stanley Consultants

Stanley Consultants is a leading engineering/architectural firm offering construction management services.

Stanley Consultants will help you create and implement comprehensive construction management strategies, working as an extension of your staff to provide organization, management and communication with an emphasis on quality and safety. We structure our services to meet your specific needs. A significant portion of our work is performed within Douglas County, providing similar tasks in Construction Management and Inspection as detailed in the Scope of Work for the Plum Creek Parkway and Roundabout Improvements Project.

Our Colorado-based construction management staff is committed to working on Castle Rock's project. Our local staff specializes in transportation projects, performing construction management for government agencies, including CDOT, Town of Castle Rock and municipal entities. Stanley Consultants provided construction management for the Plum Creek and Wilcox Intersection reconstruction in 2016. Through that project, our staff gained significant knowledge as to the expectations the Town of Castle Rock has for consultants, and how we need to manage the contract to be successful. Through that experience, we are motivated to improve and deliver a successful project.

The Stanley Consultants team staff is available to work on this project. While we have the capability to administer this contract, we have teamed with Kimley-Horn. We feel their experience in doing the design will benefit our team, and help us respond to issues during the project to benefit the Town and the project.



Kimley-Horn is a full-service planning and design consulting firm with nearly 4,200 employees in more than 95 offices across the U.S. Since our founding in 1967, they have consistently provided municipal engineering services to cities and counties nationwide. Their work encompasses planning and design for roadways, including widenings; interchanges; intersections; drainage; signing and striping; traffic control; traffic signals; public outreach; and

visualization. Our continued growth and stability over the past 52 years is the direct result of our commitment to integrity and dedication to providing quality services. With 119 total Colorado-based staff members – including designers, professional engineers, planners, landscape architects, graphic designers, and additional support staff – they have the capacity to fulfill a variety of project needs. Our clients receive the local knowledge and responsiveness of a small firm, augmented by the resources of a national firm.

Kimley-Horn is very familiar with the Town of Castle Rock, having served as one of the Town's on-call engineers to delivering on multiple projects including:

- » Founders Parkway and Crowfoot Valley Road Design and Construction Management
- » Plum Creek Parkway Widening and Roundabouts Design
- » Downtown Parking Garage Analysis
- » Crowfoot Pond Design
- » Downtown Mobility Study
- » Downtown Parking Study

PREVIOUS EXPERIENCE AND CLIENT REFERENCES

Stanley Consultants has a lot of experience successfully completing projects very similar to the Plum Creek Parkway project. On the following pages we have assembled some of our recently completed the following projects that demonstrates our team's professional experience, track record and specific roles in carrying out similar projects.

*John,
Thank you for your effort. The documentation is very well organized....Greatly Appreciated.
Thanks,*

Gian Garufo
Civil Engineer Project Manager I
CDOT Region 1

B. Firm's Experience



Southern Connector Construction Management Services

DOUGLAS COUNTY; LOUVIERS, , CO

Stanley Consultants provided construction management and project administration services as a direct extension of Douglas County. The Stanley Consultants project manager oversaw all activities, including submittal reviews, change order negotiations, inspection, schedule coordination, payment application reviews and project acceptance. The project involved two change orders that added nearly \$1.5 million in construction cost. The Southern Connector project is the first phase of an important roadway connection in Douglas County's Master Plan, ultimately linking the Village of Roxborough to SH-85 (Santa Fe). The construction involved four new bridges, regional detention basins, 500,000 cubic yards of embankment, MSE walls, hot mix asphalt and ABC Class 6. There are two three-span bridges and two single-span bridges. The bridge over Drainage 6604 was constructed on 40 feet of embankment and an MSE wall at the north abutment. To ensure that all settlement was complete after constructing the fill, the fill was monitored for two months to ensure that all settlement was complete prior to driving piles. During construction, Douglas County added two change orders. The first was a new regional detention basin at the north end of the project that will ultimately take drainage from the new Sterling Ranch development. The second change order involved constructing turn lanes on Airport Road between Louviers and SH-85. This was done to alleviate congestion at the business park access and the Redi-Mix concrete plant.



KEY SERVICES

Construction Management & Inspection

REFERENCE

Sean Owens
Douglas County
303.660.7328

PROJECT COSTS

Estimate: \$15 M
Award: \$12.8 M
Construction: TBD

Chambers Road, Roadway Widening

TOWN OF PARKER; PARKER, CO

Stanley Consultants provided daily construction management and inspection, reviewed utility work and coordinated materials testing for this Town of Parker project to widen two miles of roadway between Hess Road and Mainstreet. Key components of the construction involved a new single-span bridge over Nelwin Gulch, 2 miles of new regional trail, a composite pavement section involving 5-foot overexcavation, Aggregate Base Course and 9 inches of hot mix asphalt. The signature feature of the project was a single-span pedestrian bridge spanning 210 feet. The bridge connected a neighborhood that was cut off when Chambers Road was connected. This was a major safety improvement as it linked the Horse Creek neighborhood to the elementary school, removing the signalized pedestrian crossing. The bridge was placed on caissons and abutments above MSE walls. The work was finished on time and within budget.



KEY SERVICES

Construction Management & Inspection

REFERENCE

Chris Hudson, PE
Public Works Manager
Town of Parker
303.805.3203

PROJECT COSTS

Estimate: \$10.4 M
Award: \$9.5 M
Construction: \$9.4 M

B. Firm's Experience



Arapahoe Rd.; Waco to Himalaya Roadway Widening

CITY OF CENTENNIAL; CENTENNIAL, CO

The Stanley Consultants/Benesch Team was selected to perform construction management and inspection services on this multi-agency funded project. Arapahoe Road is a major east/west arterial serving the City of Centennial, City of Aurora and Arapahoe County. The section from Waco Street to Himalaya Drive is currently two lanes wide with a six-lane section to the west and four lanes to the east, which caused traffic delays. As part of the roadway widening, a triple 10-foot by 12-foot box culvert was constructed at Antelope Creek as part of the Piney Creek SEMSWA drainage plan and a 24-inch water main as part of the ACWWA partnership. Many residents and businesses were directly impacted by the project. The Stanley Consultants/Benesch Team worked with the City's and Contractor's public involvement groups to coordinate construction activities with the locals and to provide updates throughout the project to keep the public informed. The Stanley Consultants/Benesch Team provided construction management and full-time observation, materials testing and quality assurance surveying for the project. Stanley Consultants was a key teaming partner on this project, providing full-time construction observation.



KEY SERVICES

Construction Management & Inspection

REFERENCE

Jeff Dankenbring
City of Centennial
303.754.3458

PROJECT COSTS

Estimate: unknown
Award: \$15.2 M
Construction: \$14.8 M

Jordan Road, Intersection and Roadway Widening

TOWN OF PARKER; PARKER, CO

Stanley Consultants provided construction management, inspection and materials testing for this 1.7-mile roadway widening project for the Town of Parker. The project involved widening Jordan Road between Bradbury Ranch Parkway and Hess Road. The widening involved two cast-in-place concrete retaining walls, new hot mix asphalt, two new signals, drainage improvements, landscape medians, lighting and guardrail improvements. The project was constructed over two construction seasons and was significantly delayed due to conflicts on the contractor's side. Stanley Consultants provided schedule review and data analysis, along with project documentation, including diaries that allowed the Town to recover liquidated damages due to the contractor's failure to meet the schedule.



SCOPE

Construction Management & Inspection

REFERENCE

Chris Hudson, PE, Public Works Manager
Town of Parker
303.805.3203

PROJECT COSTS

Award: \$3.9m
Construction: \$3.9 M



B. Firm's Experience

MAINSTREET STREETSCAPE

TOWN OF PARKER; PARKER, CO

We provided construction management and inspection services for the Mainstreet Streetscape Project. The Mainstreet Streetscape Project was constructed in downtown Parker between Parker Road and Pine Drive. The project had many challenges, most importantly maintaining access to the local businesses along Mainstreet. The original Mainstreet section did not have any storm sewer lines or inlets, so a main trunk line was constructed through the entire length. There were considerable delays due to utility conflicts, especially with water and sewer lines. At four separate locations, water lines were lowered to allow for the installation of the storm sewer. This required night work, coordinating shutdowns with businesses, and testing and recharging of the lines. As part of the improvements, decorative lighting and tree grates were installed within the walks at the business store fronts. To minimize impacts, night work was performed. Our staff provided public information and utility coordination, answered business owner concerns and requests, monitored daily work activities, reviewed and coordinated construction schedules, tracked progress payments, and provided letters for the final acceptance of the project. Despite the impacts from utilities, this \$4.5 million project was completed on time and within budget.



SCOPE	REFERENCE	PROJECT COSTS
Construction Management & Inspection	Chris Hudson, PE, Public Works Manager Town of Parker 303.805.3203	\$4.5 M

PLUM CREEK

TOWN OF CASTLE ROCK; CASTLE ROCK, CO

Plum Creek Parkway and Wilcox Street Intersection Improvements. Stanley Consultants provided Construction Management and Inspection services for this \$4.5 Million intersection improvement project. The project involved making waterline upgrades, correcting the roadway profile on Plum Creek Parkway at the Wilcox Intersection, increased turn lane storage from I25, and new pavement sections throughout the intersection. The project was particularly challenging due to the accelerated schedule and tight working environment. The project involved an A+B bid scenario, which determined the amount of time the contractor had to close the intersection and perform the reconstruction. The overall project was a success for the Town of Castle Rock. Stanley Consultants pulled some valuable experience from the project, and has a better understanding of the expectations the Town has on its projects and from its consultants.



SCOPE	REFERENCE	PROJECT COSTS
Construction Management & Inspection	Kieth Johnston Town of Castle Rock 303.814.6417	Estimate: \$3 M Award: \$4.5 M Construction: \$4.2 M

C. Assigned Personnel



KEY PERSONNEL

**CONSTRUCTION MANAGER****John Forni****23 years of Experience**

Stanley Consultants Construction Services Department Lead is John Forni, who will serve as the Construction Manager during construction.

John will oversee staffing, coordinate with Castle Rock and the contractor, and provide assistance to the Castle Rock Construction Manager, Aaron Monks. Over his career, John has managed over 200 roadway projects within Douglas County. Through this project experience, John has a solid understanding of how to manage time, cost and resources to successfully support Castle Rock in the administration of their projects. Based on previous project experience with the Town of Castle Rock, we are approaching this project with the expectation that we will need to be managing all aspects of the project on a daily basis.

Through John's prior project experience, he has learned how the Town approaches construction, working with the contractor to resolve issues, coordination with other departments (ie. Traffic, Water, permits etc.) and reviewing schedules and construction costs to keep the project in budget and on time.

**PROJECT ENGINEER****Joey Davidson, PE****20 Years of Experience**

Our Project Engineer for the Plum Creek Parkway and Roundabout Improvements will be Joey Davidson, PE. Joey has joined

Stanley Consultants after a 5-year stint with RTD, where he was a Construction Manager for several large-scale reconstruction projects. Joey has 20 years roadway construction experience which includes roadway widening and reconstruction projects.

JOEY WILL:

- » Serve as the primary liaison between the owner, contractor, agencies, stakeholders and the public.
- » Provide updates and guidance to adjacent landowners
- » Prepare and/or review project documentation.
- » Attend and facilitate project meetings, pre-paving conferences and weekly, on site progress meetings.

- » Address RFIs / submittals and communicate with project designers as appropriate.
- » Review and approve monthly payment applications from the contractor.
- » Review QC results for conformance
- » Review and provide recommendations on change orders, plan revisions or proposed substitute materials.
- » Review Methods of Handling Traffic
- » •Provide a monthly progress report detailing current project schedule, status of construction and current and projected project costs to the Town Project Manager.
- » Conduct Final Inspection for project acceptance
- » Maintain accurate as-built records for final submittal

**LEAD INSPECTOR****Brian Varnak****15 Years of Experience**

Brian Varnak with Stanley Consultants will be the lead inspector for our team. Brian has 15 years of roadway transportation related construction inspection/management experience. Brian has worked on similar project within Douglas County, including roadway widening projects and roundabout construction. Brian has worked on the Happy Canyon Improvement Project for the Village of Castle Pines, the Bear Dance Drive Improvements for Douglas County, and the Mainstreet roundabout near Town Hall in the Town of Parker. In addition, Brian has worked on roadway widening and reconstruction projects for both CDOT and Town of Parker in the last 5 years. Brian is familiar with Castle Rock's approach to construction inspection, having provided on-call development review inspection to Castle Rock during the summer of 2017.

Full Resumes can be found in Appendix A.

SUBCONSULTANTS

Stanley Consultants will utilize Kimley-Horn as a subconsultant for the Plum Creek Parkway project. They will provide inspection support and engineering design support related to the phasing and roundabout construction. We feel their knowledge gained through the design can provide critical information in constructing the roundabouts.



APPROACH AND UNDERSTANDING OF CRITICAL ISSUES



To successfully deliver this project for Castle Rock, our approach will be to provide a highly experienced project manager in Joey Davidson. Joey will be involved daily throughout construction to assist the Town in conducting projects meetings, coordinate materials testing, resolving plan issues with contractor, public information, and providing inspection, including BMP and storm-water items.. Joey will handle all day to day administration, correspondence, scheduling of inspection and testing, and cost tracking, for both construction and consultant budgets. Together John and Joey have the experience to manage all phases of the project, and can successfully deliver the project to the Town of Castle Rock.

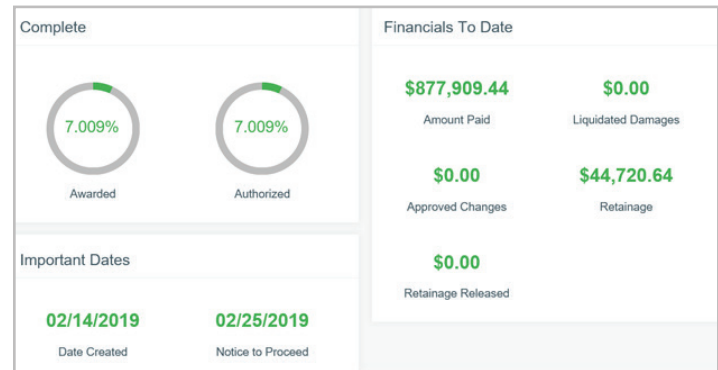
Brian Varnak will cover the day to day operations and will be on site during construction. We are proposing to have inspection support during peak work times, and will pull from our depth in our Centennial office to ensure that the work is adequately covered.

Based on past similar project experience, to best administer the project will rely on strict adherence to the plans and specifications. In our experience, this is most effective by being proactive in reading and interpreting plans and specifications and guiding and educating the contractor through the construction contract information. Stanley Consultants has a successful working relationship with the awarded contractor, having worked together on several CDOT, Town of Parker and Douglas County projects.

Through daily work observations, Brian will record completed work to minimize disputes at month end when processing payment applications. Keeping daily completed work logs will help in the efficiency of month end reviews. Our team will provide Castle Rock with daily diaries, photo logs, COC/CTR's, meeting minutes, non-conformance log and material submittals. Diaries and meeting minutes will

For the Plum Creek Parkway project, Stanley Consultants will utilize InfoTech's Appia software to document the project. The Appia program enables our staff to complete daily diaries, pay item recording and measurements, log photos, correspondence, material submittals and test results, and as-builts and shop drawings. At the end of the project, we are able to digitally copy the entirety of our project files, providing our clients with clean, organized project records. We have used this program on two recent Local Agency projects, and the final closeout was nearly seamless. For the Parker Road Sidewalks (East) project completed in 2018, we were able to produce a searchable, electronic document that was 689 pages long. CDOT Local Agency review came back with one

missing form, and the project was closed out after one review. While the project is not required to be documented as if it were a CDOT project, our construction management processes and documentation procedure will mirror a CDOT delivered project. This is Stanley Consultants's standard construction management practice.



We utilize Appia software that gives the project manager important and up-to-date information at any time.

For tracking payment for completed work, Brian will record measurements and completed pay items in his daily diary. The Appia program automatically maintains the record of completed work, and generates a payment application each month. We have found this to be a huge time savings from having to log, file and maintain files for completed work consistent with CDOT's Form 266/Form 305 process. The awarded contractor is familiar with our procedures, and would provide seamless coordination going into the project.

Daily Report	
Report Date 02/11/2020	Report Status Draft
Prime Contractor American Civil Constructors, LLC	Weather Day? No
Weather Cold, clear	Temperature Low: 11°
Created By John Forni on 02/12/2020 09:31 AM EST	
Remarks ACC had 17 people on site. Snow removal at bridge 2, built ramps to get up on deck. Structures crews clearing snow at Bridge 3, prep for setting deck panels	

Sample daily diary report from Appia that automatically maintains daily work and pay application information.



CRITICAL ISSUES



To successfully administer this construction management task, communication between the contractor, the Town and Stanley Consultants staff will be critical. To successfully complete this contract, the lead person will have to be efficient,

be able to make reliable field decisions, and provide clear professional direction. Stanley Consultants has provided this service for many similar projects, including the Plum Creek and Wilcox Intersection Improvements. As the Town's designated representative, Stanley Consultants will assist Aaron in the administration, inspection, documentation and management of the project.

CRITICAL CONSTRUCTION ITEMS INCLUDE:

- » Utilities
- » Traffic Control
- » Quality Control/quality assurance scheduling and procedures
- » Construction Phasing
- » Construction Schedule Review
- » Existing Soil Conditions

UTILITIES



For the utilities, we will require the kickoff meetings with the contractor and the affected utility companies. Understanding that Caste Rock has initiated this process prior to award, it is now time for our team and the contractor to engage the utility

companies, setting schedules and sequences for resolving conflicts. Potholing and surveying will be critical to providing accurate information for this coordination. With a few known relocations, and a significant number of utilities tabbed adjust vertically or relocate, having the project team engaged at the start will be critical to the project schedule. For tracking purposes, we would require that the contractor include on his project baseline schedule all utility related activities, including planned relocations.

TRAFFIC CONTROL



Traffic control will be a critical component of the project. The limited work space within Right of Way puts the construction immediately adjacent to live traffic. There are daily safety impacts to this type of construction, for all parties involved and include the

contractor, consultants and the traveling public. Quality traffic control begins with well thought out, well drawn Methods of Handling Traffic (MHT's). Once the plans are reviewed and accepted, they need to be properly constructed in the field. Maintaining clear paths for traffic, bikes and pedestrians will be a focus for our team.

QUALITY CONTROL/QUALITY ASSURANCE



Successful projects have always placed an emphasis on Quality Control/Quality Assurance programs. Developing procedures for sampling, testing and reporting at the start of the project are critical to a successful project. Setting strict

timetables for reporting helps to minimize disputes or burying problems. Encouraging the process on both sides of the QA/QC process helps to keep the project moving in a positive direction and keeps all parties accountable. Verification of materials is critical to the success of any construction project. As the Town's Construction Manager, we will work with Quality Assurance firm and the awarded contractor to develop a solid QA/QC program. Soon after the preconstruction meeting, we will begin organizing check testing to dial in both laboratories for comparison checks throughout construction. Through our experience, coordinating check testing, obtaining split samples and performing tests side by side help to minimize disputes and delays related to testing.

CONSTRUCTION PHASING



Critical to the success of any reconstruction project is planning the work ahead to coincide with the phasing. With phased construction, having utilities cleared prevents unnecessary delays as the work progresses from phase to phase. Maintaining



drainage is critical to preventing storm damage to existing features, including previously constructed portions of the project. Another key item is maintaining access throughout construction. Developing access plans, which notify and inform the public as to where traffic can safely pass. After reviewing the plans, there be challenges to keeping the travel way open while constructing the roundabouts. Some additional planning will need to be done with the contractor, and our team's experience will develop a buildable plan to minimize impacts to the public..

CONSTRUCTION SCHEDULE REVIEW



The contractor's will be required to submit electronic, logic based schedules for the projects. Using either P3 or MicroSoft Project, Stanley Consultants will provide thorough, in depth reviews of the contractor's schedule. Joey Davidson with Stanley Consultants, is certified and trained in both programs. Joey's review will come each month with an explanation of errors, changes and sequencing problems for the contractor to respond to and correct. Prior to processing monthly payment applications, we would require that contractor satisfy schedule requirements. One schedule item that we will highlight with the contractor, is including utility locates, coordination and relocation on the baseline schedule.

EXISTING SOIL CONDITIONS



Lastly, as is common with roadway reconstruction projects, the project is to be constructed on whatever existing soils are present. There is not much opportunity to sort materials to look for the best material. Typically soils under existing roadways are at very high moisture contents, usually attributed to excess landscape water being trapped beneath the existing pavement. Stanley Consultants will work with the contractor and the materials testing firms to identify soil types early on in the project, and develop a plan on how to best construct the project with the onsite materials.

COST CONTROL



Stanley Consultants utilizes web-based software programs to manage all facets of our construction management contracts. For internal consultant cost control, Stanley Consultants uses Deltek Vision software. This enables our staff to plan, update and real time and manage our consultant budget throughout the duration of the project. For the construction costs, we utilize Appia software. This program enables our inspectors to input their completed work measurements directly into their daily diary.

These keeps our cost tracking of the contractor's progress up to date on a daily basis. Schedule Control

Stanley Consultants has the necessary scheduling software to provide detailed reviews of which ever program the contractor utilizes. Joey Davidson is trained in schedule review for MicroSoft Project and Primavera P3 programming. As part of the standard monthly payment application process, the contractor will be required to provide a schedule update, with a narrative defining all changes to the previous schedule. This will be critical to working toward completing this project in 225 days.

QUALITY CONTROL



As part of our own internal processes, inspector reports are submitted through Appia software. This is accessible on each employee's laptop and cell phone, which helps our staff complete their reporting on the date that the work occurs. The inspector submits the report for approval, and the Project Manager then reviews and approves the report. At this time, our project manager can check the accuracy of measurements, track quantity overruns and identify potential non-conformance issues. Once the project manager approves the report, any completed quantities are automatically logged in that month's payment application. Our process eliminates the need to pull together information at month end, and has greatly reduced our Project Management time tied to developing payment applications.

A great feature of the Appia program, is our clients are given read-only access, where all are files are accessible regardless of what stage the reporting is in. This feature makes our staff accountable, and keeps files, diaries, correspondence and payments up to date.

AVAILABILITY



Our proposed staff is available throughout the duration of the Plum Creek Parkway and Roundabout Improvements Project. Our proposed staff is currently wrapping up project commitments and is able to meet the needs of the Town of Castle Rock.

Appendix Resumes





JOHN FORNI, II

Construction Manager
Stanley Consultants
24 Years of Experience

"Exhibit C"

Education

Bachelor of Arts, Geology,
Hartwick College

Specialized Training

Erosion Control Supervisor
Traffic Control Supervisor
Primavera P6 Schedule
Review

John has diverse construction management experience in road, bridge, trails, facilities and highway projects. His experience includes construction oversight, documentation, developing Quality Assurance programs and overseeing inspection and testing programs. He has worked on several multi-phased projects at the state, county and municipal levels. John has had extensive experience working with various public agencies as the client's extension of staff. He works with clients to maintain a quality product to achieve the projects goals while working within the site constraints and available budget.

PROJECT EXPERIENCE

Southern Connector Construction Management Services, Douglas County, Louviers, CO—Project Manager. Our CEM team provided construction administration, management, and inspection for 3 miles of new roadway connecting Moore Road with Airport Road. Our team brought value by making independent decisions as a designated authority of Douglas County; developing a partnering atmosphere with the awarded contractor; coordinating with subcontractors, public information, and Douglas County inspections; and teaming with Douglas County staff. The section ultimately connects the new Sterling Ranch development with US 85. Construction included grading, asphalt paving, drainage improvements and four new bridges. The bridges are single through three-span with Colorado BT girders.

Motsenbocker Road, Todd Drive to Main Street Roadway Widening, Town of Parker, Parker, CO—Project Principal who oversaw the project team and contractor through this tightly phased project. Due to ROW constraints, the phasing became increasingly difficult for this multimillion-dollar roadway widening project. John worked closely with the Town to develop the constructability, phasing, and incentive/disincentive clauses in the contract prior to advertising.

Jordan Road Roadway Widening, Town of Parker, Parker, CO—Project Manager responsible for the day-to-day oversight, inspection, documentation and coordination of materials testing for this multi-phased, multi-year project. Overall project involved widening and improvements to Jordan Road from Lincoln Avenue to the Arapahoe County line. This project involved significant traffic phasing, subgrade stabilization of either Lime Treatment of Cement Kiln Dust treatment, depending on soil types, erosion control, signage, striping and landscaping. All new pavements for this project were HMA, with the exception of the E-470 Toll Authority ramps, which were constructed with Portland Cement concrete pavement.

Arapahoe Rd.; Waco to Himalaya Roadway Widening, City of Centennial, CO—Assistant Project Manager responsible for managing the team and providing full time construction observation. The project from Waco Street to Himalaya Drive was two-lanes wide with a six-lane section to the west and four lanes to the east which causes traffic delays. Also, as part of the roadway widening a triple 10'x12' box

culvert was constructed at Antelope Creek as part of the Piney Creek SEMSWA drainage plan and a 24-inch water main was installed with ACWWA partnership.

Chambers Road, Roadway Widening, Town of Parker, Parker, CO—Project Manager responsible for this \$12.3 million capital improvement project, providing all day-to-day inspection and management duties. The project consisted of 1 million cubic yard of embankment, 40,000 tons of asphalt, 20,000 square yards of concrete pavement, nearly 3 miles of storm sewer, extensive utility relocations, water and sanitary adjustments, a three-span bridge, five grade control structures in Newlin Gulch built to UDFCD standards and extensive erosion control measures. Challenges during construction included lowering an Xcel 30" high pressure gas line and AT&T intercontinental fiber optic line. Coordination for these items was done one year in advance, and the lines were lowered vertically by 30 feet. Despite the scope of the project, utility and weather impacts, the project was completed nearly three months ahead of schedule.

Parker Road Sidewalks Eastside, Town of Parker, Parker, CO—Project Manager. Stanley Consultants completed the design and construction management of a shared-use facility along Parker Road from the Sulphur Gulch Trail at the south end to just north of Plaza Drive, approximately 4,000 feet of sidewalk, providing an important link in the Town's multi-use path system. Before this project, non-motorized users had no formal path along the east side of Parker Road, which carries approximately 50,000 ADT. This sidewalk completed the gap with either a 10-foot-wide detached sidewalk or a 12-foot-wide attached sidewalk with a rumble strip.

The construction cost of the project was approximately \$800,000 and included sidewalk, curb ramps, curb and gutters, drainage, masonry walls and utility adjustments. The project included federal funds and followed CDOT oversight requirements. Stanley Consultants provided project management, civil, drainage, wall and utility design and construction management.

Kings Point Way Extension, Town of Parker, Parker, CO—Stanley Consultants provided construction management, inspection and materials testing services to the Town of Parker for this 3,500-foot road extension. The project connected Cottonwood Drive north to the City of Aurora's future South Aurora Parkway. The Town portion will open developable commercial sites.

The project involved drainage improvements, including a cast-in-place concrete box culvert, stormceptor inlet, new signal at Cottonwood Drive, lime treated subgrade stabilization, aggregate base course and hot mix asphalt. The project is scheduled to be completed in the spring of 2020.



JOEY DAVIDSON, PE

Project Engineer
Stanley Consultants
20 Years of Experience

"Exhibit C"

Education

Bachelor of Science,
Geological Engineering,
University of North Dakota

Certifications/Registrations

Professional Civil Engineer
(Colorado and Nevada)

Specialized Training

OSHA 30

Joey has over 20 years of experience in construction management, inspection, materials testing and project design. Duties have included post-engineering design support, engineering design, field engineering, construction inspection and testing on public works projects, commercial construction and airport related projects. He has also managed multiple materials testing departments, performed geotechnical investigations, supervision of field technical staff, and materials testing including: soils, asphalt, concrete and masonry.

PROJECT EXPERIENCE

Speer Boulevard Rail Replacement, Phase I and II, RTD, Denver, CO -

Construction Engineer and design support, which entailed the demolition and reconstruction of existing LRT crossings on both Northbound and Southbound Speer Boulevard. Phase I construction demolition included the removal of existing concrete pavement, track, ties, unsuitable subgrade and 12 plinths. New concrete was placed for the plinths, subgrade and roadway along with a leveling course and pre-cast concrete tubs for the rail. Construction was completed within two 72-hour weekend shutdowns.

LRT Simulator at Elati Facility, RTD, Englewood, CO - Construction Engineer during the remodel of approximately 1,000 square feet of the existing Elati Maintenance Facility for a Light Rail Vehicle simulator room. The remodel included the relocation of existing kitchen, lunchroom and locker facilities, including water, sewer, electrical and HVAC. New room construction to exact dimensions for projection screens and simulator equipment. Coordination with the Contractor, Internal RTD Departments and The City of Englewood.

Las Vegas Middle Branch Grand Teton Storm Drain Project, City of Las Vegas Public Works, Las Vegas, NV Construction Coordinator on this \$11 million project which entailed the construction of 9,400 feet of new storm drain facilities along with roadway reconstruction and restriping. On Grand Teton Drive, an 18'x5' Reinforced Concrete Box, with multiple transitions to 6'x5' RCBs were placed from Rainbow Boulevard to Durango Drive. On Durango Drive, Reinforced Concrete Pipe varying in size from 36" to 72" along with Horizontal Elliptical Reinforced Concrete Pipe were installed from Ackerman Avenue to 600' south of the Grand Teton intersection. Along with the major channel construction, there was also installation of new storm drain drop inlets and access manholes, relocation of existing water and sewer lines, and relocation of dry utilities.

Boulder Beach Enhancements, National Park Service, Lake Mead National Recreation Area, NV Engineering support during construction of the historic wall foundation rehabilitation, entrance road and parking area upgrade at the Lakeview Overlook near the Hoover Dam, and parking area upgrade at the Hemenway Boat Launch Ramp Convenience Station. Project involved review of technical submittals,

responding to requests for information, attendance of weekly progress meetings, plan revisions, usage of SharePoint to track documentation, as-built document preparation and submittal, and coordination with local Lake Mead representatives and NPS Denver Service Center.

Las Vegas Middle Branch Storm Drain Project, City of Las Vegas Public Works, Las Vegas, NV Project Manager on this \$25 million project which entailed the construction of 16,800 feet of new storm drain facilities along with roadway reconstruction and restriping. On Elkhorn Road, a 24'x8' Reinforced Concrete Box was cast-in-place, connecting to the existing storm drain at Torrey Pines on the west end. At the east end, the 24'x8' RCB splits into two pre-cast 13'x8' RCBs and turns south on Decatur. The two 13'x8' RCBs transition to two 15'x8' RCBs, terminating on the south end at the CC-215 Bruce Woodbury Beltway. Along with the major channel construction, there was also the installation of new storm drain drop inlets and access manholes, relocation of existing water and sewer lines, and relocation of dry utilities.

Las Vegas Beltway–Decatur to N. Fifth St., Clark County Department of Public Works, Las Vegas, NV Assistant Resident Engineer on this \$45 million project which entails the construction of the Decatur Avenue to North Fifth Street segment of the Las Vegas Northern Beltway including construction of a new interchange with a new bridge at Aliante Parkway with a temporary "shoefly" detour during the bridge construction, the construction of 1.5 miles of new concrete pavement for the mainline Beltway, high-mast lighting, traffic signal systems, street lighting, storm drainage, water system piping, signing and striping. The project entailed extensive traffic staging and coordination with multiple utilities and the City of North Las Vegas.

Las Vegas Beltway–Sunset Rd. to Buffalo Dr., Clark County Department of Public Works, Las Vegas, NV Assistant Resident Engineer on this \$30 million project which entailed the construction of two new bridges at Durango Road and at Sunset Road, the placement of 2.5 miles of new concrete mainline pavement, the revision of three interchanges with new traffic signals and asphalt paving, new high-mast lighting, new water lines, storm drain systems, pavement markings, median islands, curb and gutter, sidewalk, street lighting, traffic control and detour construction, signage including overhead structures, utility relocations and other related work. Client:

General Aviation Apron Reconstruction, Elko Regional Airport, Elko, NV This project provides for the construction management of approximately 71,000 sf of the General Aviation Apron and taxiways. Construction Cost = \$4 million. Mr. Davidson was Resident Engineer responsible for supervision of this project including construction activities and contractor's performance, public relations, monitor the progress schedule, preparation of progress reports and monthly submittals, coordination with the city, FAA, utility companies and various agencies throughout the project, make design modifications and maintain document control for the project.



BRIAN VARNAK

Lead Inspector
Stanley Consultants
17 Years of Experience

»
"Exhibit C"

Specialized Training

ACI Concrete Field Technician—
Grade 1, expires 02/2022

Concrete Pavement Inspector
Level 1, expires 12/4/2023

Troxler Nuclear Gauge Certified

Asphalt Inspector - Level I, expires
03/2020

OSHA 10 Hour

CDOT EEO Certified

CDOT Math, Plan, & Survey
Certification

CDOT Erosion Control Supervisor,
expires 01/2018

CDOT Payroll Certified (LCP
Tracker)

CDOT Traffic Control Supervisor,
expires 01/2020

AASHTO Site Manager

Brian has 17 years of construction testing and inspection experience. Brian has performed testing/inspection for drainage, road, bridge, underground infrastructure, water storage and water delivery systems. Prior to joining Stanley Consultants, Brian spent 12 years as a Senior Engineering Technician, Brian trained incoming technicians and performed a full range of engineering testing. Brian has spent the last 6 years inspecting on road and bridge projects for CDOT and the Town of Parker.

PROJECT EXPERIENCE

Motsenbocker Road, Todd Drive to Main Street Roadway Widening, Town of Parker, Parker, CO—Stanley Consultants provided construction management, inspection and materials testing services for this 4,000-foot roadway widening of Motsenbocker between Todd Drive and Mainstreet. Components for the widened section consisted of curb and gutter, raised landscape medians, signalized pedestrian crossing, drainage improvements, designated bike lanes, and a section of the East/West Regional Trail.

The project involved a significant roadway closure during the American Academy School's summer break. The closure allowed the project to accelerate, reduced phasing and temporary pavement costs, and enhanced work zone safety. The closure included a significant incentive bonus, and Stanley Consultants worked with the awarded contractor to maintain the schedule through utility delays discovered during construction. The closure reopened before the start of the 2019 school year.

Kings Point Way Extension, Town of Parker, Parker, CO—Stanley Consultants provided construction management, inspection and materials testing services to the Town of Parker for this 3,500-foot road extension. The project connected Cottonwood Drive north to the City of Aurora's future South Aurora Parkway. The Town portion will open developable commercial sites.

The project involved drainage improvements, including a cast-in-place concrete box culvert, stormceptor inlet, new signal at Cottonwood Drive, lime treated subgrade stabilization, aggregate base course and hot mix asphalt. The project is scheduled to be completed in the spring of 2020.

Jordan Road Roadway Widening, Town of Parker, Parker, CO—Inspector responsible for the inspection of drainage pipe installation, embankment operations, retaining wall construction, curb & gutter, sidewalk, paving, striping, traffic control and erosion control.

Chambers Road, Roadway Widening, Town of Parker, Parker, CO—Construction Observer responsible for observing new roadway and existing road rehabilitation. Observed installation and verified contract conformance of: water line, storm sewer, bridge caissons, bridge piling, reinforcing steel, concrete placement, roadway subgrade preparation, proof rolls, curb & gutter, concrete bike path and roadway pavement operations.



RICK COMBS

Construction Inspector
Stanley Consultants
19 Years of Experience

Date Available for Project

1/15/2019

Education

Bachelor of Science, University of Wyoming, Psychology

Specialized Training

- » Colorado Asphalt Pavement Association (CAPA) Level A, B, & I
- » CDOT Math, Plans, and Survey Certification
- » CDOT Transportation Erosion Control Supervisor certification (TECS)
- » American Concrete Pavement Association (ACPA) Concrete Pavement Inspector Level 1
- » Colorado Contractors Association Design and Operation of Work Zone Traffic Control (TCS)
- » RTD LRT on rail safety training
- » OSHA 10 Hour
- » CDOT ADA Ramp Inspection Training
- » American Concrete Institute (ACI) Field Testing Technician Grade I
- » The Western Alliance for Quality Transportation Construction (WAQTC)

Rick has 19 years of construction industry which includes construction oversight, documentation, overseeing inspection and testing programs, quality assurance inspection, daily inspection reports, and traffic control compliance. He has worked on several multi-phased projects at the state, county, and municipal levels, providing both materials testing and inspection services. He holds multiple certifications including CAPA, ACI, WAQTC, OSHA, and TCS. He works as an extension of staff to ensure the client is informed and all documentation is accurate.

PROJECT EXPERIENCE

Vine Street over I-25 Bridge Replacement, CDOT, Fort Collins, CO

Inspector for structurally deficient bridge that was reconstructed in utilizing FASTER Funds, with an overall construction cost of \$4.9 Million. Also known as Larimer County Road 48, this bridge spans over I-25 on the north side of Fort Collins. The project was constructed utilizing steel piling for the abutments and drilled shafts for the piers. The deck utilized UTAH BT Girders. Unique to Colorado, the bridge was constructed with Class G Concrete, with a total of 952 Cubic Yards placed. The project also included nearly 6,000 Tons of Hot mix asphalt.

Town of Parker, CO

- » Chambers Road Widening, Construction Services, Construction Observer
- » Reconstruction, Construction Services, Construction Observer
- » Maintenance Project Inventory, Construction Services, Construction Observer

US36 Strasburg to Byer, Mill Overlay and Bridge Rehab Construction Services; CDOT (Colorado Department of Transportation); Strasburg, CO

Construction Observer. This approximately 6-mile project consisted primarily of an asphalt overlay to maintain an adequate roadway for the people of Strasburg and Byers. In addition, various bridges required rehabilitation to ensure a safe surface and guardrail.

US 6 Bridges at I-25 at I-25 Design/Build, CDOT, Denver, CO

As a Sr. Field Tech/Inspector for Yeh & Associates, Inc., This was a 106 million-dollar project that replaced 5 bridges with 12 new ones along US6 between BNSF tracks East of I-25 to Knox Ct. Rick performed Quality Assurance inspection, sampling and testing of construction materials.

I-25 TREX, D/B, Kiewit Parsons JV, Southeast Corridor Constructors, Denver, CO

Quality Assurance/Control Inspector. This was a \$1 billion design-build project that included the reconstruct of 17 miles of interstate highway, 19 miles of double track light rail transit line (LRT), including 13 new stations. The project also included the construction or reconstruction of 61 roadway bridges; 14 LRT bridges; 3 LRT tunnels; 400 utility relocations; drainage improvements; and enhanced pedestrian and bicycle access.



Chris Hopkins, P.E.

Chris has 23 years of experience in the planning, design, and construction management of transportation and public works projects including roadways and roundabouts, intersection improvements, traffic signals, bridges, and multimodal complete streets. Having delivered projects for DOTs, counties, and municipalities, he specializes in managing multidiscipline civil and transportation-focused.



Chris has managed the design of transportation projects for over 30 public agencies throughout Colorado including most recently the Town of Castle Rock, Douglas County, Town of Parker, City and County of Denver, City of Aurora, City of Colorado Springs, and CDOT. In total, Chris has designed and managed a total of 65 miles of arterial roadway projects and over 40 intersection improvement projects. Additionally, Chris has provided construction administration services for over \$150 million in municipal and county roadway projects.

Education

B.S., Civil Engineering, Purdue University

Registrations

Professional Engineer in CO (#37298)

Relevant Project Experience

- ▲ Founders Parkway and Crowfoot Valley Road Intersection Improvements, Castle Rock, CO – Project Manager
- ▲ Founders Parkway and Crowfoot Valley Road Construction Phase Services, Castle Rock, CO – Project Manager
- ▲ Plum Creek Parkway Widening and Roundabouts, Castle Rock, CO – Project Manager
- ▲ Gypsum Roundabouts, Gypsum, CO – Project Manager
- ▲ Quincy and Colorado Roundabout, Cherry Hills Village, CO – Project Manager
- ▲ W. 160th Avenue and Huron Street Traffic Signal, Broomfield, CO – Project Manager
- ▲ SH-128 Widening, Broomfield, CO – Project Manager
- ▲ Harvest Road Improvements, Aurora, CO – Project Manager
- ▲ Meridian Blvd./Havana/Lincoln Avenue and Meridian/Jamaica Intersection Improvements, Meridian, CO – Project Manager
- ▲ I70B and F.5 Road Improvements, Mesa County, CO – Project Manager
- ▲ Dublin Boulevard Widening Design, Colorado Springs, CO – Project Manager
- ▲ Walnut Street Two-Way Conversion, Denver, CO – Project Manager
- ▲ Mill Levy 7A Traffic Signals, Denver, CO – Project Manager
- ▲ Centennial Parkway Complete Street, Louisville, CO – Project Manager



Cody Kerkaert, EIT

Cody is an analyst with experience on roadway construction and design including roadway widening, roundabouts, intersection improvements, traffic signals, cost estimates, and specifications. Cody recently provided construction administrative services for the Founders Parkway and Crowfoot Valley Road Intersection Improvement project for the Town of Castle Rock, which included construction observation and administration of CDOT Local Agency requirements. Cody was responsible for coordination with the Town, contractor, CDOT, materials testing agency, and private utilities.



Education

B.S., Civil Engineering, Montana State University

Registrations

Engineer-in-Training (EIT) in CO (No. 73241)

Relevant Project Experience

- ▲ Founders Parkway and Crowfoot Valley Road Intersection Improvements Construction Phase Services, Castle Rock, CO – Analyst
- ▲ Plum Creek Parkway Widening and Roundabouts, Castle Rock, CO – Analyst
- ▲ Gypsum Roundabouts, Gypsum, CO – Analyst
- ▲ Harvest Road Improvements Construction Phase Services, Aurora, CO – Analyst
- ▲ Quincy and Colorado Roundabout, Cherry Hills Village, CO – Analyst
- ▲ SH 128 and Simms Street, Broomfield, CO – Analyst
- ▲ Meridian Blvd./Havana/Lincoln Avenue and Meridian/Jamaica Intersection Improvements, Meridian, CO – Analyst
- ▲ Founders Parkway and Crowfoot Valley Road Intersection Improvements, Castle Rock, CO – Analyst
- ▲ Transportation Prioritization Projects, Aurora, CO – Analyst
- ▲ Alameda Avenue and I-225 Widening, Aurora, CO – Analyst
- ▲ Fontanero Street and El Paso Street Intersection Improvements, Colorado Springs, CO – Analyst
- ▲ Lawrence and Arapahoe Protected Bike Lanes, Denver, CO – Analyst
- ▲ Dublin Boulevard Widening Design, Colorado Springs, CO – Analyst
- ▲ Mill Levy 7A Traffic Signals, Denver, CO – Analyst
- ▲ Gun Club Road Improvements Preliminary Design, Aurora, CO – Analyst
- ▲ Walnut Street Two-Way Conversion, Denver, CO – Analyst

"Exhibit C"



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