

May 10, 2021

San Mateo County Resource Conservation District  
80 Stone Pine Road, Suite 100  
Half Moon Bay, CA 94019

Subject: BUTANO CREEK CHANNEL STABILIZATION AND HABITAT ENHANCEMENT AT  
THE CLOVERDALE ROAD BRIDGE PROJECT

Attention: Jarrad Fisher, Program Manager

Dear Mr. Fisher,

Storesund Construction, Inc. is pleased to have an opportunity to submit a bid for the Butano Creek Channel Stabilization and Habitat Enhancement at the Cloverdale Road Bridge Project. Our principal employees have over 25 years of collective design and construction expertise. We work closely with our clients to develop high-quality projects on time and on budget.

We have partnered with Monteith Construction, who will perform the majority of the onsite work. Planting and seeding will be performed by Confluence Restoration, Inc. No additional subcontractors have been identified; however, we reserve the right to submit potential subcontractors for review and approval depending on development of a mutually agreeable construction schedule and sequencing for the work.

We are pleased to feature a highly knowledgeable team on river restoration. Dr. Storesund's doctoral research was "Life-Cycle, Reliability-Based River Restoration" and examined over 40 river restoration projects throughout California during the course of his doctorate work as well as contributing to numerous river restoration and bank stabilization projects in the past 10 years (list available upon request).

Additionally, Mr Marcin Whitman, former Senior Hydraulic Engineer at California Department of Fish and Wildlife (1998 to 2018) is a technical consultant on the project assisting with development of work plans and construction approaches. At any given time during the course of his career at CDFW, Mr. Marcin was active in over 40 projects ranging from an \$80 million dam removal to individual road crossings. Projects include road crossings, fish passage facilities (ladders, screens, etc.) at dams, debris basins and flood control projects, dam removals (received CDFW's inaugural Vision award for this work), decommissioning/storm proofing of forestry and rural roads, passage facilities troubleshooting, refurbishing and modification (list available upon request).

Storesund Construction, working in collaboration with NextGen Mapping, Inc., is a pioneer in cloud hosted construction documentation, allowing 'real-time' access to site information as it is posted to the cloud. Additionally, Storesund Construction uses high-resolution Ground Based LiDAR to document and map incremental construction progress, enabling high-quality and extensive 'desktop' based checking by project design team and project owners. We have the ability to post aerial imagery; ground photography; ground based lidar surveys; etc. Examples of this 'real-time' data accessibility is presented in Figure 1 through Figure 4.



Figure 1: Posting of various construction data to INSIGHT to allow project team access to construction documentation. Example from Blue House Farm project in San Gregorio, California.

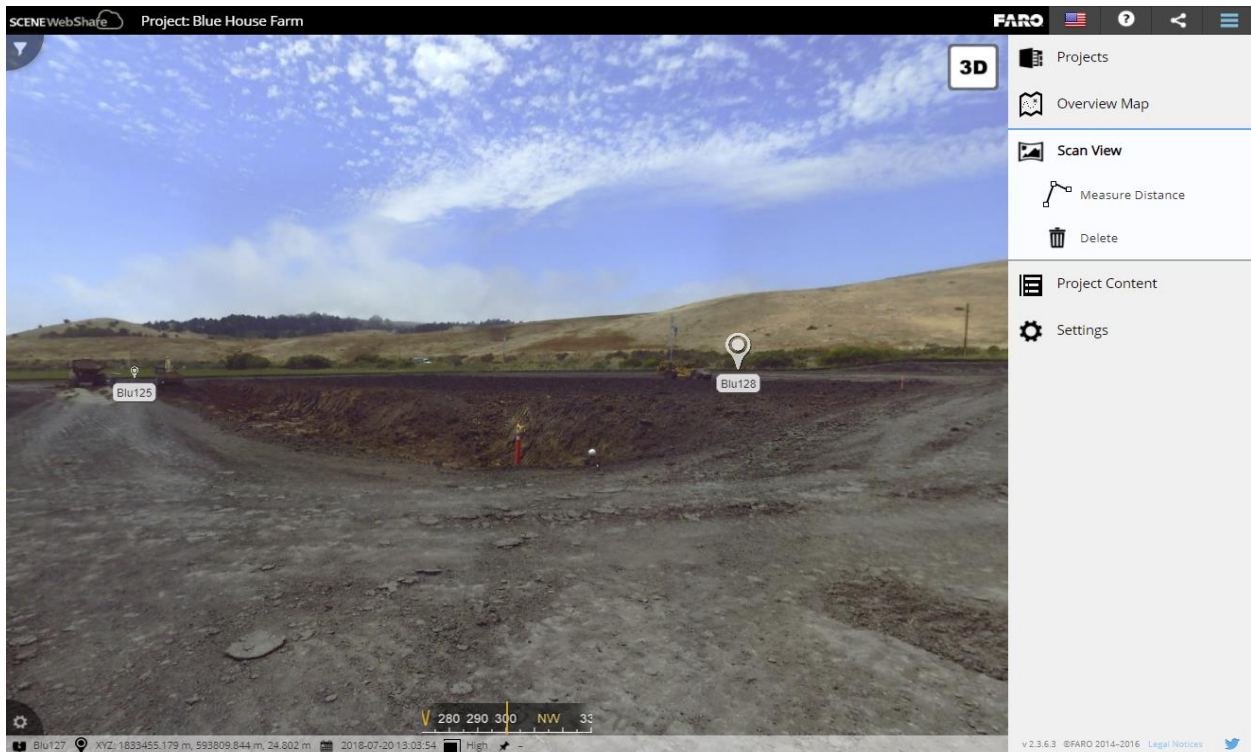


Figure 2: Example view of Ground-Based LiDAR survey during construction where each photo pixel has a corresponding XYZ coordinate, allowing for high-resolution topographic mapping/documentation during the course of construction (this example from Blue House Farm Project).

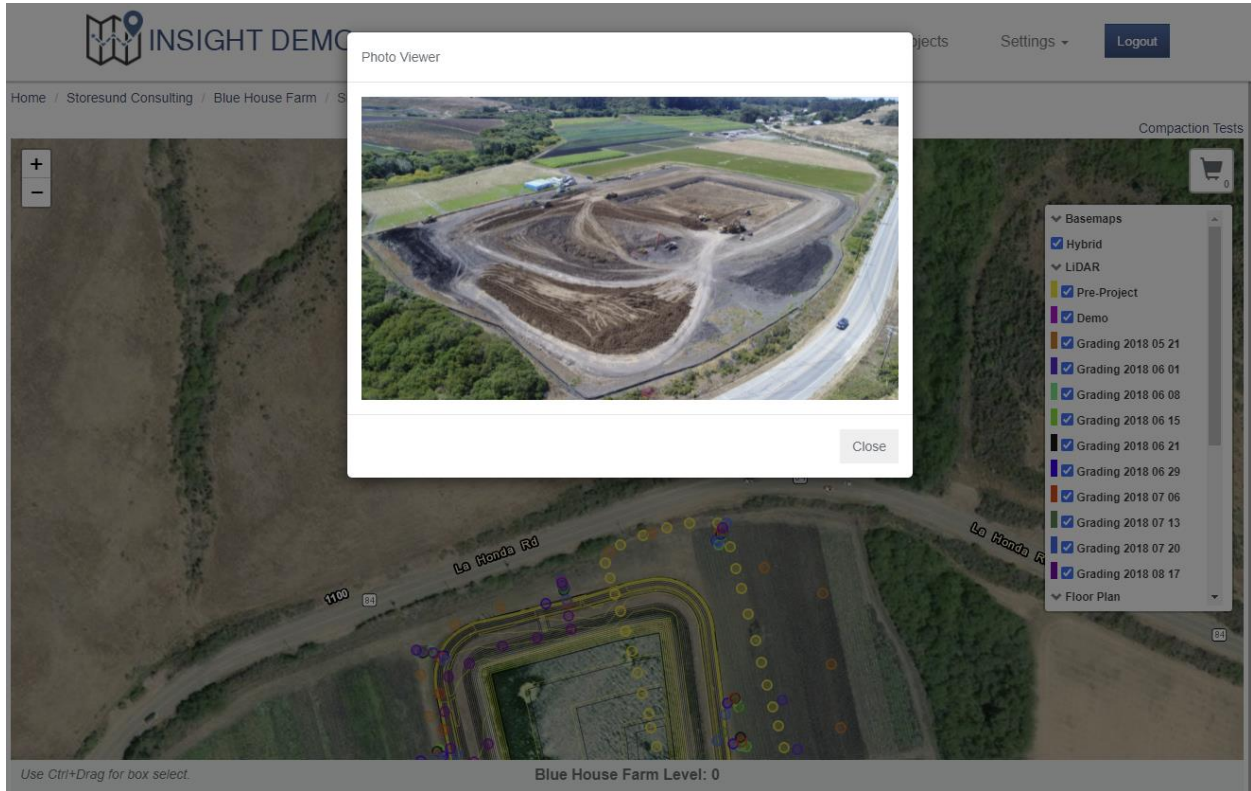


Figure 3: Example showing archived aerial drone shots during construction accessible to the project team (this example from Blue House Farm project).

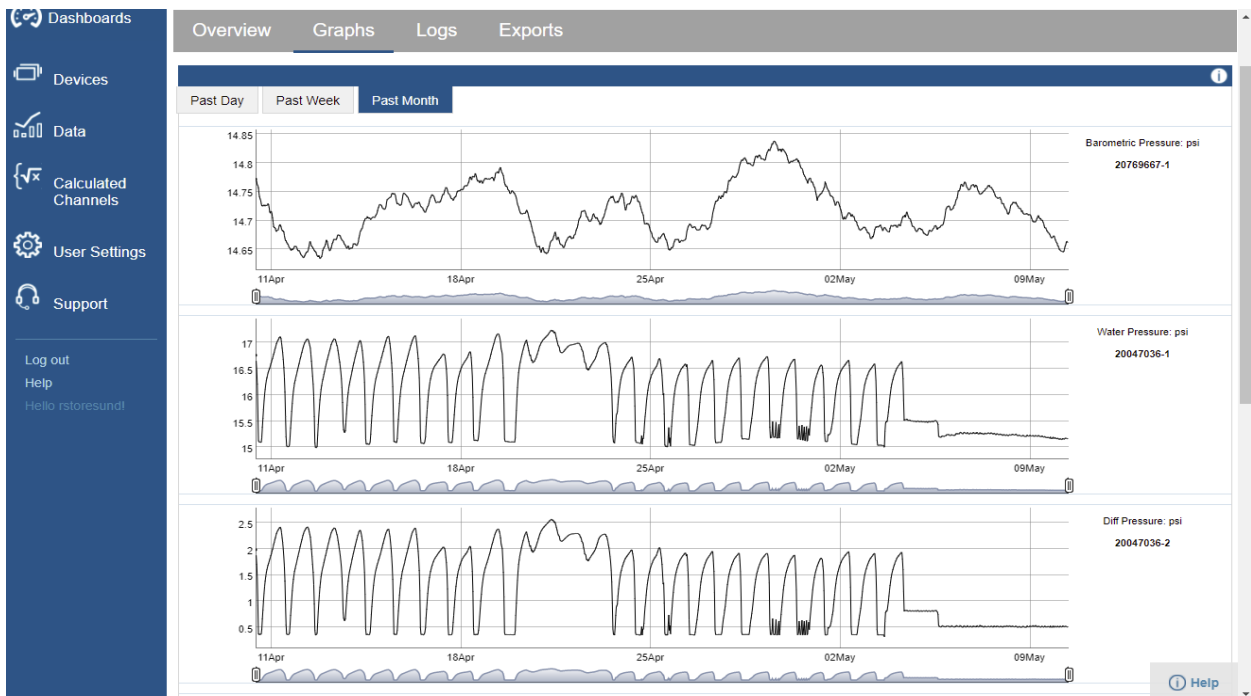



Figure 4: Example data posting of site instrumentation available "real-time" to the project team (this example from Blue House Farm project).

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Note that our bid is contingent upon successful back-bonding by our subcontractors. We note that the bid amount may be in excess of possible funding. We would be more than happy to work with the project team to perform Value Engineering to better align cost and scope of executed work. We take great pride in providing quality bids that are not structured around “low-bid” approaches that rely on change orders to allow the contractor to submit a low number to win the project, then submit substantial change orders to ‘regain’ costs. We have a track record of minimal change orders on our projects.

We are excited to have an opportunity to work with you. Please do not hesitate to contact me with any comments or questions associated with this proposal.

Sincerely,



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## Exhibit A Questionnaire

### BUTANO CREEK CHANNEL STABILIZATION AND HABITAT ENHANCEMENT AT THE CLOVERDALE ROAD BRIDGE PROJECT

#### 1) What is the contractor's proposed dewatering plan?

WE PROPOSED TO GENERALLY FOLLOW THE DEWATER SCHEMATIC PRESENTED IN THE RFB. WE PLAN TO INSTALL A STREAM GAUGE UPSTREAM OF THE DIVERSION (OUTSIDE THE INFLUENCE AREA IF PROPERTY ACCESS IS GRANTED) TO ENABLE MEASUREMENT OF INCOMING FLOWS TO THE PROJECT SITE. WE ALSO PLAN TO INSTALL A TURBIDITY MONITORING STATION AT THE DOWNSTREAM END OF THE PROJECT TO DOCUMENT REAL-TIME TURBIDITY READINGS. THE TEMPORARY DAM WILL BE CONSTRUCTED OF SANDBAGS. WE PROPOSE TO USE AN 18-INCH HDPE PIPE IN 40 FT SECTIONS (FLANGED) TO ALLOW RAPID INSTALLATION AND REMOVAL. USE OF THE FLANGED SECTIONS ALSO ALLOW FOR RAPID REPAIR IF NEEDED, BY RAPIDLY SWAPPING OUT ANY DAMAGED SECTIONS BETWEEN FLANGES. WE INTEND TO USE TURBIDITY FILTERS DOWNSTREAM AND WILL HAVE A PUMP SYSTEM ON STANDBY SHOULD TURBIDITY LEVELS REQUIRE WATER CONDITIONING. THE CONVEYANCE PIPE CAN EASILY BE MOVED AROUND THE WORK AREA WITH EASE AND LOW POTENTIAL FOR DAMAGE/RUPTURE. A FULL AND FORMAL DEWATERING PLAN WILL BE SUBMITTED PRIOR TO SITE MOBILIZATION.

#### 2) How does the contractor plan to implement equipment access and what types of equipment will be used?

WE PLAN TO USE THE TWO IDENTIFIED ACCESS PATHS. EQUIPMENT WILL CONSIST OF EXCAVATORS, TRACK LOADERS, WATER TRUCK, SKID STEER, AND OTHER AS-NEEDED MISC. EQUIPMENT.

#### 3) What is the contractor's sequencing and timeline for construction?

WE ANTICIPATE TO COMPLETE CONTRACTING AND INITIAL MATERIAL ORDERING IN MAY/JUNE. A BASELINE DATALOGGER WILL BE INSTALLED UPSTREAM AND DOWNSTREAM OF THE UPPER/LOWER SEGMENTS OF THE PROJECT IN JUNE TO ESTABLISH A PRE-PROJECT BASELINE. THESE DATALOGGERS WILL TRANSMIT DATA (DEPENDING ON NETWORK CONNECTION) TO A CLOUD-HOSTED WEBSITE FOR ACCESS BY ALL TEAM MEMBERS. WE ANTICIPATE MOBILIZING ONSITE IN JULY, INCLUDING INSTALLATION OF TEMPORARY SITE CONTROLS (ACCESS, ESA FENCE, BMPS), STAGING AREAS, AND DEWATERING SYSTEM. ONCE THE DEWATERING SYSTEM IS IN PLACE AND APPROVED, WE WILL INITIATE THE CLEARING/GRUBBING AND CHANNEL EXCAVATION (LATE JULY). CHANNEL FILL, POOLS, AND LOG STRUCTURES WILL BE INSTALLED IN AUGUST AND SEPTEMBER. WE ANTICIPATE COMPLETING THE SLIDE REPAIR WORK IN LATE SEPTEMBER AND EARLY OCTOBER. WE PROPOSE TO CONSTRUCT THE PROJECT FROM DOWNSTREAM TO UPSTREAM, EXITING OUT OF THE CHANNEL AS THE SLIDE REPAIR WORK IS COMPLETE.

#### 4) Provide source for all rock proposed on site. If multiple sources are proposed, specify which is used for Rock Slope Protection and which is used for Engineered Streambed Material. Indicate whether rock meets Caltrans specifications.

AS OF SUBMISSION OF THIS BID, WE ARE PLANNING ON OBTAINING ROCK SLOPE PROTECTION FROM SIERRA PRODUCTS (NEAR JAMESTOWN, CA). OTHER LOCAL QUARRIES INCLUDE STEVENS CREEK AND/OR GRANITE ROCK QUARRIES. ALL MATERIALS WILL MEET CALTRANS SPECIFICATIONS. IF SELECTED, WE WILL WORK WITH THE PROJECT TEAM AND NEARBY QUARRIES TO SECURE AND LOCK IN MATERIALS FOR ACQUISITION FOR THE PROJECT. WE WILL NOT ORDER ANY ROCK FOR RSP OR ESM PRIOR TO FORMAL APPROVAL BY THE PROJECT TEAM.