ADDENDUM NO. 1

INFORMAL INVITATION FOR BID (IFB)

FOR

BID No. 16P30

CHAFFEY COMMUNITY COLLEGE DISTRICT
INTECH CENTER PARKING LOT REPAIRS PROJECT

May 6, 2016

Chaffey College

CHAFFEY COMMUNITY COLLEGE DISTRICT
5885 Haven Avenue
Rancho Cucamonga, CA 91737
The following changes, additions, deletions, clarifications, or corrections shall become part of the Proposal and Contract Documents for Chaffey Community College District Informal Bid No. 16P30, INTECH Center Parking Lot Repairs Project at the California Steel Industries Campus, first detailed in the IFB dated April 15, 2016. All other terms, specifications, and conditions remain the same. Each proposer is responsible for transmitting this information to all affected subcontractors and suppliers prior to the receipt of proposals. Each proposer shall acknowledge receipt of this Addendum on its proposal Form.

Modifications are identified by “clouds” and the following:
Deletions 
Insertions/Substitutions

ITEM No. 1: CONTRACT DOCUMENTS

1. DELETE the existing SECTION 01010 – SUMMARY OF WORK and REPLACE with the revised SECTION 01010 – SUMMARY OF WORK attached to this Addendum with several revisions in the summary of work.

2. DELETE the existing SECTION 321216 – ASPHALT PAVING and REPLACE with the revised SECTION 321216 – ASPHALT PAVING attached to this Addendum with the revision in the hot mix asphalt.

ITEM No. 2: CONTRACT DRAWINGS

1. ADD the attached sketch # 1 for pothole repairs in the Upper Parking lot within the Addendum No. 1.

END OF ADDENDUM NO. 1 INCLUDING REFERENCED ENCLOSURES

Enclosures:

1. New Contract Document issued:
   a. Section 01010 - Summary of Work
   b. Section 321216 - Asphalt Paving
2. New Sketch issued: 8 ½ " x 11" size
   a. Pothole Repairs in the Upper Parking Lot
PART 1  GENERAL

1.01  SUMMARY

A. This Section summarizes the Work covered in detail in the complete Contract Documents
B. Owner & Engineer: California Steel Industries, Inc.
   Tenant: Chaffey Community College

1. Contract Identification: INTECH Center Parking Lot Repairs
   Chaffey Community College District
   CSI Campus, Bldg A

2. Work Location: 1 California Steel Way
   Fontana, CA 92335

1.02  PROJECT DESCRIPTION

This project involves work to restore the parking lots at this facility:

Summary of Work:
   a) Excavation and removal of existing asphalt paving in Main Lot
   b) Demolition and removal from site of portions of concrete curb ‘islands’, as indicated on drawings
   c) Demolition and removal of broken curbs, concrete patches, and concrete paving as shown on drawings
   d) Below grade removal of remaining tree stumps and roots
   e) Compacting sub-grade
   f) Grading for proper drainage
   g) New concrete curbs at parking lot ‘islands’ and where indicated
   h) New concrete pavement where indicated
   i) Main Lot: New hot mix asphalt paving, 3” thick, 3/8” aggregate, 1/4” aggregate per specifications and drawings
   j) Upper Lot & Access Drive: Cleaning, crack filling, and slurry coating existing asphalt paving, per specifications and drawings. Upper Lot- there are approximately 3,500 lineal feet of cracks, nominally ¾ “ wide, to be filled by the Contractor prior to Slurry Seal application for this area. Access Road- there are approximately 1,500 lineal feet of cracks, nominally ¾ “ wide, to be filled by the Contractor prior to Slurry Seal application for this area. Pothole Repairs in the Upper Lot- see attached sketch 1 for pothole repairs
as discussed at the job walk for added work in this parking lot prior to slurry sealing application in this area.

k) Re-stripping and stenciling of parking lots and roadway

l) Tree Stumps and Roots – as noted in 1.03 A. 2. Balance of removal of tree stump and roots by the Contractor. The remainder of stumps and the roots from the removed trees may be placed in the Owner’s Green waste 40 yard dumpster, located in the North West corner of this parcel by the Contractor.

m) Base material - Contractor to include in the proposal costs to supply and place 10 yards of import subbase material to adjust drainage. Placement of the subbase will be supervised and approved by Owner’s rep.

1.03 WORK BY OTHERS

A. Work by Owner:
   1. Removal of indicated trees within parking lot ‘islands’ to grade – balance of removal by contractor
   2. Installation of concrete stairs between upper and main parking lot
   3. Replacement of sprinkler piping at parking lot islands.
   4. Upper Parking Lot: Owner will remove the weeds, as discussed at the job walk.

B. Other Activities: There are two ongoing operations at this building: on the West end is CSI’s employee cafeteria, operating 5 days a week, from 6:00AM to 2:00PM. At the East end, Chaffey’s INTECH training center operates from 7:00AM to 10:00PM, 5 days per week. Work to be coordinated to minimize impact on these activities.

1.04 CONTRACTOR’S USE OF PREMISES

A. Limited Use:

   1. Limit use of the premises for storage and execution of the Work to allow for Owner occupancy. Confine operations to areas within Contract limits indicated. Portions of Site outside the Contract limits shall not be disturbed.

   2. Coordinate with other separate contractors and Owner to avoid interference of operations.

   3. Conduct operations so as to ensure the least inconvenience to Owner and the general public.
1.05 OWNER’S USE OF PREMISES:

A. Owner Occupancy: The Owner reserves the right to occupy and to place and install equipment in completed areas of the building, prior to Substantial Completion provided that such occupancy does not interfere with completion of the Work. Such placing of equipment and partial occupancy shall not constitute acceptance of the total Work.

1.06 WORK SEQUENCE

A. Construction sequence shall be determined by Contractor subject to Owner's need for continuous operation of existing facilities. The Contractor shall develop a written plan in cooperation with the Owner and Engineer for coordination of the Contractor’s Work.

1. Main Lot paving replacement: Work to occur simultaneously on both the West and East sides, as well as interconnecting roads. Contractor will provide barricades and signage to redirect traffic to the parking lot Northwest of the work.

2. Access Road slurry seal: Work in this area should coincide with the work in the Main Lot. Contractor to provide barricades and signage to re-direct traffic to the alternate access road West of this road.

3. Upper Lot slurry seal: Work to occur either before or after the Main Lot paving work to allow for use of this lot while repaving the Main Lot.

B. Continuous Service of Existing Facilities: Exercise caution and schedule operations to ensure that functioning of present facilities will not be disrupted. Shutdown of Owner’s operating facilities to perform the Work shall be held to a minimum length of time and shall be coordinated with Owner who shall have control over the timing and schedules of such shutdowns.

C. General: The Contractor shall provide the Owner a minimum of 48 hours notice of any tie-ins or shutdowns.

1.07 LIST OF DRAWINGS

A. Contract Drawings:
California Steel Industries,
INTECH Parking, Building A, Sheets 1 and 2

PART 2 PRODUCTS Not Applicable

PART 3 EXECUTION Not Applicable

END OF SECTION
SECTION 321216 – ASPHALT PAVING

PART 1 GENERAL

1.01 RELATED DOCUMENTS
A. Contract drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this Section.

1.02 SUMMARY
A. Section Includes:
   1. Hot-mix asphalt paving.
   2. Asphalt surface treatments.
   3. Pavement marking paint

B. Related Sections included the following:
   1. Section 31200, “Earth Moving” for aggregate subbase and base courses.

1.03 DEFINITIONS

1.04 ACTION SUBMITTALS
A. Product Data: For each type of product.

1.05 INFORMATIONAL SUBMITTALS
A. Material Certificates: For each paving material. Include statement that mixes containing recycled materials will perform equal to mixes produced from all new materials.

1.06 QUALITY ASSURANCE
A. Manufacturer Qualifications: A paving-mix manufacturer registered with and approved by authorities having jurisdiction with Caltrans.

B. Regulatory Requirements: Comply with materials, workmanship, and other applicable requirements of California Asphalt Pavement Association of for asphalt paving work.

1. Measurement and payment provisions and safety program submittals included in Caltrans standard specifications do not apply to this Section.

PART 2 PRODUCTS

2.01 AGGREGATES
A. Coarse Aggregate: ASTM D 692/D 692M, sound; angular crushed stone, crushed gravel, or cured, crushed blast-furnace slag.

B. Fine Aggregate: ASTM D 1073 or AASHTO M 29, sharp-edged natural sand or sand prepared from stone, gravel, cured blast-furnace slag, or combinations thereof.
C. Mineral Filler: ASTM D 242/D 242M or AASHTO M 17, rock or slag dust, hydraulic cement, or other inert material.

2.02 ASPHALT MATERIALS

A. Asphalt Binder: Steam-refined paving asphalt per Caltrans Standard Specification, Section 92, Grade PG 64-10.


2.03 MIXES

A. Hot Mix Asphalt: Plant mixed, 3/8" grading, more grading historical Caltrans Type B:

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<tr>
<th>Characteristic</th>
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<tr>
<td>Percent of crushed particles,</td>
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<td>Coarse aggregate, min. percent:</td>
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<tr>
<td>One fractured face</td>
<td>25%</td>
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<tr>
<td>Fine aggregate, min. percent:</td>
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<tr>
<td>Passing No. 4 sieve, retained in No. 8 sieve,</td>
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<td>Stabilometer value, minimum</td>
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B. Temperature of Asphalt: 275 degrees F minimum; 325 degrees F maximum, when added to aggregate.

C. Temperature of Aggregate: 250 degrees F minimum; 325 degrees F maximum, when asphalt is added.

D. Slurry Seal: Type I slurry seal per Caltrans Standard Specification section 37-3.02 Materials. The composition of dry aggregate in the slurry seal shall be 15% to 20% by weight of the theoretical asphalt content.

2.04 AUXILIARY MATERIALS

A. Herbicide: Commercial chemical for weed control, registered by the EPA. Provide in granular, liquid, or wettable powder form.

B. Pavement-Marking Paint: Alkyd-resin type, lead and chromate free, ready mixed, complying with FS TT-P-115, Type I or AASHTO M 248, Type F.

PART 3 EXECUTION
3.01 SUBGRADE
A. Saw cut perimeter of area to be replaced and excavate existing pavement section to sound base. Excavate rectangular or trapezoidal patches, extending 12 inches into perimeter of adjacent sound pavement, unless otherwise indicated. Cut excavation faces vertically. Excavated asphalt and concrete to be ground and re-used for subbase.
B. Proof-roll subbase using heavy, pneumatic-tired rollers to locate areas that are unstable or that require further compaction. Scarify, regrade and recompact surface of subgrade that is pumping or deforming as required to provide true levels, uniform slopes and proper total thickness of paving as required.

3.02 SURFACE PREPARATION
A. General: Immediately before placing asphalt materials, remove loose and deleterious material from substrate surfaces. Ensure that prepared existing pavement is ready to receive paving.
B. Herbicide Treatment: Apply herbicide according to manufacturer’s recommended rates and written application instructions. Apply to dry, prepared subgrade or surface of compacted aggregate base before applying paving materials.
C. Tack Coat: Apply uniformly to surfaces of existing pavement at a rate of 0.05 to 0.15 gal./sq.yd.
   1. Allow tack coat to cure undisturbed before applying hot-mix asphalt paving.
   2. Avoid smearing or staining adjoining surfaces, appurtenances, and surroundings. Remove spillages and clean affected surfaces.

3.03 PLACING HOT MIX ASPHALT
A. Machine place hot-mix asphalt on prepared surface, spread uniformly, and strike off. Place asphalt mix by hand in areas inaccessible to equipment in a manner that prevents segregation of mix. Place each course to required grade, cross section, and thickness when compacted.
   1. Spread mix at a minimum temperature of 250 deg F.
   2. Regulate paver machine speed to obtain smooth, continuous surface free of pulls and tears in asphalt-paving mat.
B. Place paving in consecutive strips not less than 10 feet wide unless infill edge strips of a lesser width are required.
C. Promptly correct surface irregularities in paving course behind paver. Use suitable hand tools to remove excess material forming high spots. Fill depressions with hot-mix asphalt to prevent segregation of mix; use suitable hand tools to smooth surface.

3.04 JOINTS
A. Construct joints to ensure a continuous bond between adjoining paving sections. Construct joints free of depressions, with same texture and smoothness as other sections of hot-mix asphalt course.
   1. Clean contact surfaces and apply tack coat to joints.
   2. Offset longitudinal joints, in successive courses, a minimum of 6 inches.
   3. Offset transverse joints, in successive courses, a minimum of 24 inches.

3.05 COMPACATION

A. General: Begin compaction as soon as placed hot-mix paving will bear roller weight without excessive displacement. Compact hot-mix paving with hot, hand tampers or with vibratory-plate compactors in areas inaccessible to rollers.
   1. Complete compaction before mix temperature cools to 185 deg F.

B. Breakdown Rolling: Complete breakdown or initial rolling immediately after rolling joints and outside edge. Examine surface immediately after breakdown rolling for indicated crown, grade, and smoothness. Correct laydown and rolling operations to comply with requirements.

C. Intermediate Rolling: Begin intermediate rolling immediately after breakdown rolling while hot-mix asphalt is still hot enough to achieve specified density. Continue rolling until hot-mix asphalt course has been uniformly compacted to the following density:
   1. Average Density: 92 percent of reference maximum theoretical density according to ASTM D 2041, but not less than 90 percent or greater than 96 percent.

D. Finish Rolling: Finish roll paved surfaces to remove roller marks while hot-mix asphalt is still warm.

E. Edge Shaping: While surface is being compacted and finished, trim edges of pavement to proper alignment. Bevel edges while asphalt is still hot; compact thoroughly.

F. Protection: After final rolling, do not permit vehicular traffic on pavement until it has cooled and hardened.

G. Erect barricades to re-direct traffic and to protect paving and surface treatment from traffic until mixture has cooled enough not to become marked.

3.06 INSTALLATION TOLERANCES

A. Pavement Thickness: Plus 3 inches, no minus.

3.07 SURFACE TREATMENTS

A. Fog Seals: Apply fog seal at a rate of 0.10 to 0.15 gal./sq. yd. to existing asphalt pavement and allow to cure. With a fine sand, lightly dust areas receiving excess fog seal.

B. Slurry Seals: The slurry seal shall be mixed, spread, and placed in accordance with the provisions of Section 37-3.03D, “Placing,” of the Caltrans Specifications.
1. Power sweepers shall be required to sweep from face of curb to face of curb or, for those streets without curbs, between the edges of street pavement. This shall involve a minimum of three passes with a power broom street sweeper (Mobile or equivalent).
2. Pavement missed by or inaccessible to broom sweepers shall be swept clean by other approved methods. Contractor shall provide whatever compressed air or other approved cleaning methods necessary to remove all dirt and loose material from the pavement.
3. Cracks in existing pavement will be treated per Section 37-5 “Crack Treatment” of the Caltrans Specifications.
4. Apply at the rate of 8 to 12 lbs. per sq. yd.
5. Roll slurry seal to remove ridges and provide a uniform, smooth surface.

3.08 PAVEMENT MARKING

A. Do not apply pavement-marking paint until layout, colors, and placement have been verified with Engineer.
B. Allow paving to age for 30 days before starting pavement marking.
C. Apply paint with mechanical equipment to produce pavement markings, of dimensions indicated, with uniform, straight edges. Apply at manufacturer’s recommended rates to provide a minimum wet film thickness of 15 mils.

3.09 FIELD QUALITY CONTROL

A. Testing Agency: Owner will engage a qualified testing agency to perform tests and inspections.
B. Replace and compact hot-mix asphalt where core tests were taken.
C. Remove and replace or install additional hot-mix asphalt where test results or measurements indicate that it does not comply with specified requirements.

3.10 WASTE HANDLING

A. General: Handle asphalt-paving waste according to approved waste management plan required in Section 01560 "Construction Waste Management and Disposal."

END OF SECTION 321216
Pothole repair (10 places) - Upper Parking Lot

Prior to slurry coating upper parking lot:
Remove loose fill material
Remove loose asphalt around edges
Place and compact new base material as necessary to achieve correct subgrade elevation (-3"
Apply tack coat to edges and subbase
Place and compact cold mix asphalt patch material (not cutback)
Slurry seal with rest of parking lot