

Project Name: Railroad Bridge Inspection Service for A, B and Gold Lines

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1. DESCRIPTION OF WORK – GENERAL

Except as otherwise expressly provided herein, Contractor shall supply all adequate and competent labor, supervision, tools, equipment, consumable materials, services, and warehousing and each and every item of expense necessary for the supply, application, handling, hauling, unloading and receiving and quality of the work of Railroad Bridge Inspection Service for A, B and Gold Lines hereinafter called the Work.

2. SPECIFICATIONS, DRAWINGS, ATTACHMENTS AND EXHIBITS

All Work shall be performed in strict accordance with the following described specifications, drawings and other documents, which by this reference are made a part hereof.

2.1. Attachments

Attachment A – System Safety Program Plan

Attachment B – General Safety Instructions

Attachment C – Contract Daily Log

Attachment D – 2020 Scope of Work – Bridge Inspection

Attachment E – Sample Inspection

Attachment F – Lien Release Sample

Attachment 15 – RTD Specified Requirements

3. DESCRIPTION OF WORK – SPECIFIC

The Work described in Articles 1.0 and 2.0 of this Part I shall include, but not be limited to, the following:

3.1. Perform an annual railroad bridge inspection to identify deficiencies as well as the overall environment of the railroad bridge, following FRA Regulations 49 CFR 237. All details and references to the scope for the annual railroad bridge inspection are provided in Attachment D.

3.2. List of bridges below:

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Eastern Bridges								
Bridge Name	Milepost	Latitude-Start	Longitude-Start	Latitude-End	Longitude-End	Subdivision	Nearest Town or Station	Geographic Feature Crossed by the Bridge
DUS0.30	0.30	39.756244°	-104.997082°	39.756426°	-104.996820°	Eastern	Denver Union Station	20th Street
EC0089	0.89	39.7613502639°	-104.988234314°	39.7616057667°	-104.987857747°	Eastern	Denver Union Station	Broadway
EC0194	1.94	39.7711036444°	-104.973163294°	39.7712318306°	-104.972997433°	Eastern	38th & Blake Station	38th Street
EC0354A	3.54	39.7758971972°	-104.945643128°	39.77596	-104.94544	Eastern	Colorado Station	Former BNSF Market Lead
EC0354B	3.54	39.77592	-104.94574	39.77589	-104.94558	Eastern	Colorado Station	Park Hill EC1.08 Box Culvert
EC0583	5.83	39.77199005°	-104.903169878°	39.771915°	-104.902627236°	Eastern	Central Park	Quebec Street
EC0672	6.72	39.7702322389°	-104.886534158°	39.7701507528°	-104.885443817°	Eastern	Central Park	Sand Creek
EC1164	11.64	39.7563364583°	-104.796624039°	39.7655632889°	-104.787797311°	Eastern	40th & Airport	Airport
EC1273	12.73	39.7685418694°	-104.7876235°	39.7687669222°	-104.787624767°	Eastern	40th & Airport Station	40th and Airport
EC1301	13.01	39.7726668333°	-104.787646569°	39.7726668333°	-104.787646569°	Eastern	40th & Airport Station	East 40th Avenue
EC1326	13.26	39.77592	-104.94574	39.77589	-104.94558	Eastern	40th & Airport Station	Bolling Drive Box Culvert
EC1372	13.72	39.7829768333°	-104.787810992°	39.7843573028°	-104.787816889°	Eastern	40th & Airport	Green Valley Ranch
EC1421	14.21	39.78995	-104.78665	39.79016	-104.7864	Eastern	40th & Airport	Tower Outfall Box
EC1479	14.79	39.79804385°	-104.783968211°	39.7985617583°	-104.783889664°	Eastern	Pena Station	East 56th Avenue
EC1500	15.00	39.8010860°	-104.7838091°	39.8024195°	-104.7838487°	Eastern	Pena Station	First Creek
EC1722	17.22	39.827739°	-104.772215°	39.827738°	-104.771492°	Eastern	Pena Station	Tower Road
EC1839	18.39	39.8277005361°	-104.750143433°	39.8277002833°	-104.750001053°	Eastern	Pena Station	Second Creek Field Ditch No. 2 Box Culvert
EC1849	18.49	39.8276970806°	-104.748278256°	39.8276932444°	-104.746227986°	Eastern	Denver International Airport	E-470
EC1933	19.33	39.833432°	-104.735571°	39.837328°	-104.730860°	Eastern	Denver	Pena Boulevard
EC2171	21.71	39.838481°	-104.693076°	39.838464°	-104.693015°	Eastern	Denver International Airport	Not in BSMPv2
EC2231	22.31	39.838434°	-104.679815°	39.838422°	-104.679734°	Eastern	Denver International Airport	Not in BSMPv2
EC2248	22.48	39.83823591°	-104.6788914°	39.83827602°	-104.675877°	Eastern	Denver International Airport	Pena Boulevard and DIA Parking Lot
EC2272	22.72	39.838783°	-104.674658°	39.839695°	-104.673965°	Eastern	Denver	Third Creek
EC2287	22.87	39.840938°	-104.673769°	39.841007°	-104.673780°	Eastern	Denver International Airport	Not included in Manual
EC2318_LT	23.18A	39.845368°	-104.673857°	39.84737	-104.67392	Eastern	Denver	DIA Platform
EC2318_RT	23.18B	39.845380°	-104.674039°	39.84737	-104.67392	Eastern	Denver	DIA Platform

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Northwest Bridges								
Bridge Name	Milepost	Latitude-Start	Longitude-Start	Latitude-End	Longitude-End	Subdivision	Nearest Town or Station	Geographic Feature Crossed by the Bridge
NW0005	0.05					NWES	Denver Union	Denver Union
NW0067	0.67	39.7604070472	-104.994972319°	39.7631374278	-104.996259253°	NWES	Denver Union	South Platte
NW0126	1.26	39.7691598861 °	-104.99704065°	39.7693876°	-104.997031856°	NWES	41st and Fox Station	West 38th Avenue
NW0190	1.9	39.7783283778	-104.996912525°	39.7797169917	-104.996934658°	NWES	41st and Fox	Jersey Cutoff
NW0311	3.11	39.7959008583	-104.996550828°	39.8019121139	-105.000004719°	NWES	Pecos Station	Utah Junction
NW0435	4.35	39.8091266694 °	-105.010949525°	39.8114254139 °	-105.012522014°	NWES	Pecos Station	Clear Creek Bridge
NW0458	4.58	39.815397	-105.015176	39.81566	-105.015369	NWES	Westminster	Little Dry Creek (1)
NW0513	5.13	39.819576	-105.022566	39.01536	-105.01658	NWES	Westminster	Little Dry Creek (2)
NW0575	5.75	39.82281	-105.02907	39.82281	-105.02915	NWES	Westminster	Westminster Pedestrian Tunnel
Golden Bridges								
Bridge Name	Milepost	Latitude-Start	Longitude-Start	Latitude-End	Longitude-End	Subdivision	Nearest Town or Station	Geographic Feature Crossed by the Bridge
GL0457	4.57	39.80505	-105.0148	39.80457	-105.0155	Gold	Pecos Junction	Clay Street Outfall
GL0511	5.11	39.8040726861	-105.025025217°	39.8040974333	-105.02556865°	Gold	Federal	Federal Blvd
GL0522	5.22	39.8041320278	-105.027197731°	39.8041707472	-105.027911153°	Gold	Federal	Clear Creek
GL0673	6.73	39.8025005194	-105.055098042°	39.8016831889	-105.057838472°	Gold	Sheridan	UPRR Moffat
GL0707	7.07	39.8009091194	-105.061127472°	39.8007818389	-105.061986686°	Gold	Sheridan	Ralston Creek
GL0707_BN	7.07	39.8009091194 °	-105.0611275	39.8007818389 °	-105.0619867	Gold	Sheridan Station	Ralston Creek (BNSF)
GL0788	7.88	39.7997566972 °	-105.076251556°	39.7996930222 °	-105.0767103°	Gold	Arvada Station	Wadsworth Bypass
GL0788_BN	7.88	39.799700°	-105.076267°	39.799642°	-105.076712°	Golden	Arvada Station	Wadsworth Bypass BNSF
GL0970_BN	9.7	39.79302073	-105.1090669	39.79296741	-105.1095529	Gold	Arvada Station	Kipling Street (BNSF)
GL0970_RT	9.7	39.7930207306	-105.109066853°	39.7929674139	-105.109552861°	Gold	Arvada Station	Kipling Street
GL0970_LT	9.7	39.79301915°	-105.109084531°	39.7929635444	-105.109580856°	Gold	Arvada Station	Kipling Street
GL0985	9.85	39.79228	-105.11184	39.79225	-105.11207	Gold	Arvada Station	Arvada Ridge Station Pedestrian Tunnel

4. MATERIAL, PERMANENT EQUIPMENT, OR PERMANENT WORK SITE SERVICES FURNISHED BY COMPANY AND CONTRACTOR

4.1. Furnished by Company

Company will supply or cause to be supplied the following temporary construction facilities and utilities to Contractor, without cost to Contractor, for or in connection with performance of the Work. This includes all trash receptacles to be used by Contractor.

4.2 Furnished by Contractor

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- 4.1.1. Contractor is responsible for all small tools
- 4.1.2. Contractor is responsible for all standard expendable or consumable supplies.
- 4.1.3. Contractor shall supply all cleaning detergents, solvents, chemicals, etc. SDS is to be provided for approval for each detergent, solvent, chemical, etc. prior to bringing on RTDC property.
- 4.1.4. Transportation facilities on and off site. Only Contractor's company vehicles, as approved by Company, will be allowed on the Work Site. Personnel vehicles may be in Company designated parking areas when made available. Otherwise personal vehicles must be kept off site.
- 4.1.5. Contractor is responsible for all first aid facilities for his employees.
- 4.1.6. All Contractor personnel will need to have a Contractor uniform. The contractor's uniform needs to have the Contractor logo visible on one of the sleeves.
- 4.1.7. Contractor shall provide their personnel with Company required PPE and any other PPE necessary to protect their personnel from the hazards of performing their duties.
 - a. Fluorescent Yellow Safety Vest
 - b. Eye protection
 - c. Safety shoes compliant with the Company's safety regulations
 - d. Long pants
 - e. Hard Hats

5. PERFORMANCE SCHEDULE AND SEQUENCE OF WORK

Contractor shall commence performance of the work and shall complete the work in accordance with the dates set forth in article 5.0 of the contract signature document.

5.1. General scheduling, reporting and coordination requirements shall be described in Part III General Terms.

- 5.1.1. Specific scheduling and coordination requirements may include, but not necessarily be limited to the following:
 - a. Mobilization time for manpower and equipment.
 - b. Material deliveries to Work Site.
 - c. Start and completion of different segments of Work (early and late starts).
 - d. Any qualifying conditions of Company or Owner.
 - e. Other as necessary.
- 5.1.2. Work site availability will be as approved by company. Work hours and days will be as required to meet schedule requirements. There will be no reimbursement for overtime.

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6. REPORTING REQUIREMENTS AND COORDINATION MEETINGS

Contractor shall promptly submit the schedules and reports set forth in Attachment B for Janitorial Services and Attachment C for Snow Removal Services. In addition, Contractor shall submit those reports as requested by Company pursuant to the Article entitled "Scheduling, Reporting and Coordination" set forth in Part III - General Terms. Contractor may offer a suitable substitute report for Attachment B and C, but must obtain the prior approval of the Company.

6.1. Other Meetings

Contractor participation in certain additional activities shall also be required. These activities shall include, but not be limited to:

- 6.1.1. Indoctrination and orientation of all Contractor's employees prior to commencing Work at the Work Site. (This includes the entire labor force and all new hires). All employees must take, pass and have a current certification card for Denver Transit's On-Track Safety Training class. Course material is located at www.railroadeducation.com. There is a \$25.00 fee per employee at Contractor's cost.
- 6.1.2. Daily safety briefing organized and conducted by Contractor and attended by all of Contractor's employees. Contractor shall be responsible for arranging and conducting these meetings with its employees. Sign in sheet and form stating safety topics covered will be turned in the same day to Company Representative. Failure to comply with this will result in a penalty of \$50.00 per missing sign in sheet.

6.2. Additional Reporting Requirements.

- 6.2.1. Contractor is required to submit a Daily Report each day work is performed on site. The Daily Report should include the Supervisor name as well as the crew members name. Daily Reports must be approved by Company's authorized representative. Failure to comply with this will result in a penalty of \$50.00 per missing sign in sheet.

7. DATA REQUIREMENTS

- 7.1. Company will issue specifications, drawings and other documents as set forth in Attachment 15, Administrative Procedure.
- 7.2. Contractor shall submit the following data to Company:
 - 7.2.1. All necessary quality control documentation as Work is completed.

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7.2.2. At completion of Work, a complete report of all work.

7.3. Contractor's performance of its obligations hereunder shall not be deemed complete until Company is in receipt, on proper forms, of all technical data, as-built drawings, and other documents to be submitted to Company as part of Contractor's scope of work. Failure of Contractor to comply with the above data requirements will entitle Company to withhold any progress payment, or final payment, pending Company's receipt of all the above data without prejudice to any other remedy of Company.

7.4. Contractor shall show the Company Contract number and identifying item numbers, if applicable, on all data submitted pursuant to this Article 8.0.

8. CLEAN-UP, SAFETY, WORK RULES AND REGULATIONS

8.1. Contractor shall perform the Work in a safe manner and keep the Work Site in a clean condition and shall comply with all Work rules and regulations set forth in Attachment A, System Safety Program Plan and Attachment B General Safety Instructions.

8.2. All work shall conform to the FRA On-Track safety regulations. Contractor shall not foul a track, i.e. get within 4 ft. of the nearest rail, without obtaining permission from a Company qualified employee.

8.3. Once Contractor's staff is certified as required in Article 6 Contractor will coordinate with the Company's Sponsor to get a Company badge that will authorize its employees to work on the premises.

9. QUALITY CONTROL

Contractor shall be responsible for the performance of all inspection and testing activities per industry standards, as specified.

10. EXECUTIVE SPONSOR

Contractor shall nominate an Executive Sponsor for the Contract. The role of the Executive Sponsor is to be the Senior Management contact to become involved and take a proactive approach to the successful execution of the Work.

Contractor's Executive Sponsor will contact Company's Executive Sponsor on any potential problems in Contractor's Organization or in Company's Organization or other major issues that may negatively impact the progress of the Work. Contractor's Executive Sponsor will be available to meet with Company's Executive Sponsor or other Company Project or Construction Management Representative at the worksite to review the status of the Work and the Contract.

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Contractor's Executive Sponsor for the contract is **Name** who can be reached at (xxx) xxx-xxxx.

END OF PART I – SCOPE OF WORK