



Contract No.:		Consultant:					SCRRRA Project No.
CTO:		Description:					SCRRRA Project Manager:
SECTION NO.	DESCRIPTION	SECTION REQUIRED	REVISIONS TO REQUIREMENTS (TEXT) NECESSARY	ACTION BY	PROPOSED MODIFICATIONS SUBMITTED BY GEC?	MODIFICATIONS APPROVED BY PROJECT MANAGER?	NOTES
Division 01 – General Requirements							
01 11 13	Work Covered by Contract Documents	Yes	Yes	GEC			Add a new Section 1.5, Summary of Work and list all activities for the project
01 11 15	Definition of Terms and Reference Standards	Yes	No changes				
01 11 16	Work by SCRRRA	Yes	Yes	GEC			List of all the labor provided by SCRRRA or indicate that SCRRRA is not providing any labor. Determine the amount of EIC services required for the project based on schedule and windows. Determine the Allowance for Schedule of Quantities and Prices.
01 14 00	Work Restrictions	Yes	Yes	GEC			Add a new section to list all project specific work windows and hours of operations
01 14 16	Coordination with SCRRRA	Yes	No changes				
01 14 19	Coordination with Utilities	Yes	Yes	GEC			Prepare Exhibit - Project Utility Responsibilities
01 21 00	Allowances	Yes	No changes				
01 22 00	Unit Prices	Yes	No changes				
01 22 05	Lump-Sum Prices	Yes	No changes				
01 23 00	Options	Yes	No changes				
01 23 50	Time-Related Overhead	Yes	No changes				
01 24 13	Value Engineering Change Proposals (VECP)	Yes	No changes				
01 25 00	Substitution Procedures	Yes	No changes				
01 26 14	Request for Information	Yes	No changes				
01 29 73	Schedule of Values	Yes	No changes				
01 31 00	Project Management and Coordination	Yes	No changes				
01 31 19	Partnering	To Be Reviewed	Yes	GEC			Determine the need of this Section. Review and include an Allowance in the Schedule of Quantities and Prices
01 31 99	Period of Performance	Yes	No changes				
01 32 15	Construction Project Schedule (Small Projects)	To Be Reviewed	Yes	GEC			If the estimated construction cost is \$3.0 million or less, this Section shall be included. Consult with SCRRRA for final determination
01 32 17	Construction Project Schedule (Large Projects)	To Be Reviewed	Yes	GEC			If the estimated construction cost is more than \$3.0 million, this Section shall be included. Consult with SCRRRA for final determination
01 32 33	Photographic Documentation	Yes	No changes				
01 33 00	Submittal Procedures	Yes	No changes				
01 35 15	Maintenance and Protection of Railroad Traffic	Yes	No changes				
01 35 23	Site Safety Requirements	Yes	No changes				
01 35 44	Environmental Safety and Health Program	Yes	No changes				

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01 35 91	Historic Treatment Procedures	To Be Reviewed	Yes	GEC			Determine the need of this section and revise the section if necessary
01 40 00	Quality Requirements	Yes	No changes				
01 43 23	Contractor Qualifications and Requirements	Yes	Yes	GEC			Review the Contractor Personnel requirements and edit the list if necessary
01 55 26	Maintenance and Protection of Traffic	Yes	No changes	GEC			Review and include in the Schedule of Qty and Prices (in the DPM) - Provide to Procurement. Make modifications to sections if necessary.
01 56 37	Worksite Security Requirements	Yes	Yes	GEC			Review Section 3.1, Security Services and Equipment. Determine the necessity and revise if required
01 56 38	Bird Protection	To Be Reviewed	No changes	GEC			Determine the need of this section and revise the section if necessary. Bird Protection ordered by the Authority will be paid for by Change Order.
01 56 39	Temporary tree and Plant Protection	To Be Reviewed	Yes	GEC			Determine the need of this section and revise the section if necessary
01 57 19	Temporary Environmental Controls	Yes	No changes				
01 60 00	Product Requirements	Yes	No changes				
01 64 00	Authority Furnished Materials and Equipment	To Be Reviewed	No changes	GEC			Review and identify all Furnished Material and Equipment in the Project Specific Specifications. Confirm no additional payment necessary.
01 71 13	Mobilization, Demobilization, and Controls	Yes	Yes	GEC			Review and include in the Schedule of Qty and Prices (in the DPM) - Provide to Procurement. If the construction cost is \$3.0 million or less, the Mobilization and Demobilization will be 10% of the total construction costs. If the construction cost is more than \$3.0 million, the Mobilization and Demobilization will be 8% of the total construction costs
01 71 23	Field Engineering	Yes	No changes				
01 74 19	Construction Waste Management and Disposal	Yes	No changes				
01 77 00	Substantial Completion	Yes	No changes				
01 77 19	Project Closeout	Yes	No changes				
01 78 23	Operation and Maintenance Data	Yes	No changes				
01 78 36	Warranties and Guarantees	Yes	No changes				
01 78 39	Project Record Documents	Yes	No changes				
01 79 00	Demonstration and Training	Yes	No changes				
01 91 13	General Commissioning Requirements	Yes	No changes				
Division 03 – Concrete							
03 21 00	Reinforcing Steel	Yes	No changes				
03 31 00	Structural Concrete	Yes	No changes				Concrete Testing services will be included as an Allowance in the Schedule of Quantities and Prices.
Division 04 – Masonry							

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04 22 00	Concrete Unit Masonry	To Be Reviewed	Yes	GEC			Determine the need of this Section. Include this Section if a masonry is part of the project
04 22 10	Environmental Paving	To Be Reviewed	Yes	GEC			Determine the need of this Section. Include this Section if a masonry is part of the project
Division 05 - Metals							
05 12 23	Structural Steel	To Be Reviewed	Yes	GEC			Determine the need of this Section. Include this Section if a masonry is part of the project
05 52 00	Hand Rails and Railing	Yes	No changes				
05 52 10	Pedestrian Swing Gates	Yes	No changes				
05 53 00	Metal Grating	Yes	No changes				
05 55 00	Miscellaneous Metals	Yes	No changes				
Division 09 – Finishes							
09 61 50	Detectable Warning Tactile	Yes	No changes				
09 90 00	Painting and Coating	Yes	No changes				
09 96 23	Graffiti-Resistant Coating	Yes	No changes				
Division 10 – Specialties							
10 14 53	Roadway Signs	Yes	No changes				
10 14 55	Railroad Signage	Yes	No changes				
Division 12 – Furnishings							
12 67 23	Benches and Trash Containers	To Be Reviewed	Yes	GEC			Determine the need of this Section. Include this Section if a masonry is part of the project
Division 12 – Electrical							
26 05 00	Basic Electrical Materials and Methods	Yes	No changes				
26 05 43	Electric: Exterior Underground	Yes	No changes				Underground conduits and ductbank are included in Section 26 13 00.
26 05 50	Overcurrent Protection Devices	Yes	No changes				
26 06 00	Grounding and Bonding	Yes	No changes				
26 07 10	Seismic Controls for Electric Works	Yes	No changes				
26 07 50	Electrical Identifications	Yes	No changes				
26 08 00	Electrical Testing	Yes	No changes				
26 12 00	Conductors and Cables - Low Voltage	Yes	No changes				Conductors and Cables required for communication system are included in this Section.
26 13 00	Conduits, Raceways, and Boxes	Yes	No changes				Conduits, raceways and boxes required for communications system are included in this Section.
26 14 00	Wiring Devices	Yes	No changes				
26 28 00	Overcurrent and Short Circuit Protection Devices	Yes	No changes				
26 28 16	Safety Switches	Yes	No changes				
26 28 90	Transient Voltage Suppression	Yes	No changes				
26 41 00	Enclosed Switches and Circuit Breakers	Yes	No changes				
26 42 000	Enclosed Controllers	Yes	No changes				
26 44 10	Switchboards	Yes	No changes				

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26 44 20	Service Pedestals and Panelboards	Yes	No changes				
26 46 00	Dry Type Transformers (66 V and Less)	Yes	No changes				
26 50 00	Interior and Exterior Lighting	Yes	No changes				
Division 29 – Customer Information System (CIS)							
29 00 00	Summary of Work (CIS)	To Be Reviewed	Yes	GEC			Determine the need of this Section. Include this Section if station construction is part of the project
29 00 20	Standards, Abbreviations, and Definitions (CIS)	To Be Reviewed	Yes	GEC			Determine the need of this Section. Include this Section if station construction is part of the project
29 10 60	Power Distribution Testing and Commissioning	To Be Reviewed	Yes	GEC			Determine the need of this Section. Include this Section if station construction is part of the project
29 20 20	Communications Services	To Be Reviewed	Yes	GEC			Determine the need of this Section. Include this Section if station construction is part of the project
29 20 60	System Testing and Commissioning	To Be Reviewed	Yes	GEC			Determine the need of this Section. Include this Section if station construction is part of the project
Division 31 - Earthwork							
31 11 00	Site Clearing	Yes	No changes				
31 11 50	Demolition, Cutting and Patching	Yes	No changes				
31 20 00	Earthwork	Yes	No changes				
31 50 00	Excavation Support	Yes	No changes				
Division 32 – Exterior Improvements							
32 12 00	Hot Mix Asphalt (HMA) Pavement	Yes	No changes				
32 16 00	Curbs, Gutters, and Sidewalks	Yes	No changes				
32 17 23	Pavement Markings	Yes	No changes				
32 31 13	Chain Link Fencing and Gates	Yes	No changes				
32 31 16	Welded Wire Fencing and Gates	Yes	No changes				
32 31 19	Tubular Steel Fencing and Gates	Yes	No changes				
32 32 16	Gravity Block Retaining Walls	To Be Reviewed	Yes	GEC			Determine the need of this Section. Include this Section if a retaining wall is part of the project
32 32 20	MSE Retaining Walls	To Be Reviewed	Yes	GEC			Determine the need of this Section. Include this Section if a retaining wall is part of the project
32 80 00	Irrigation System	To Be Reviewed	Yes	GEC			Determine the need of this Section. Include this Section if a retaining wall is part of the project
32 90 00	Landscaping	To Be Reviewed	Yes	GEC			Determine the need of this Section. Include this Section if a retaining wall is part of the project
32 91 00	Soil Erosion, Sediment Control, Top Soiling and Seeding	Yes	No changes				
Division 33 – Utilities							
33 05 23	Steel Casing	To Be Reviewed	Yes	GEC			Determine the need of this Section. Include this Section if drainage is part of the project
33 42 00	Culvert and Drainage Pipe	To Be Reviewed	Yes	GEC			Excavation and backfill, structural fill, crushed aggregate bedding material, structural concrete and precast concrete will be included as a part of the bid items
33 46 00	Underdrains	Yes	No changes				
Division 34 – Transportation							

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Track Materials							
SS 34 11 10	Continuous Welded Rail (CWR)	Yes	No changes				
SS 34 11 15	Other track Materials (OTM)	Yes	No changes				
SS 34 11 23	Special Trackwork	Yes	No changes				
SS 34 11 26	Ballast	Yes	No changes				
SS 34 11 27	Sub-Ballast and Aggregate Base	Yes	No changes				
SS 34 11 33	Concrete Railroad Ties	Yes	No changes				
SS 34 11 34	Wood Railroad Ties	Yes	No changes				
SS 34 11 36	Elastic Rail Fasteners	Yes	No changes				
SS 34 11 40	Precast Concrete Grade Crossing Panels	Yes	No changes				
Railroad Signals							
34 42 00	General Signal Requirements	To Be Reviewed	Yes	GEC			Determine the need of this Section. Include this Section if signal design and construction is part of the contract
34 42 10	Coordination with SCRRRA Procurement Contractor	To Be Reviewed	Yes	GEC			Determine the need of this Section. Include this Section if signal design and construction is part of the contract
34 42 16	Signal Wires and Cables	To Be Reviewed	Yes	GEC			Determine the need of this Section. Include this Section if signal design and construction is part of the contract
34 42 18	Conduits and Pull Boxes	To Be Reviewed	Yes	GEC			Determine the need of this Section. Include this Section if signal design and construction is part of the contract
34 42 38	Interlocking Controls	To Be Reviewed	Yes	GEC			Section 2.01.B.1 specifies that SCRRRA will provide Custom Local Control Panel. Include this in Project Specific Specifications is Section 01 64 00 Authority Furnished Materials.
34 42 40	Solid-State Coded Track Circuits	To Be Reviewed	Yes	GEC			Determine the need of this Section. Include this Section if signal design and construction is part of the contract
34 42 42	Signal Layout, Structures and Foundations	To Be Reviewed	Yes	GEC			Determine the need of this Section. Include this Section if signal design and construction is part of the contract
34 42 43	Electric Switch Lock Layouts	To Be Reviewed	Yes	GEC			Determine the need of this Section. Include this Section if signal design and construction is part of the contract
34 42 44	Relays	To Be Reviewed	Yes	GEC			Determine the need of this Section. Include this Section if signal design and construction is part of the contract
34 42 46	Signal Equipment Houses	To Be Reviewed	Yes	GEC			Determine the need of this Section. Include this Section if signal design and construction is part of the contract
34 42 48	Power Switch and Lock Movement	To Be Reviewed	Yes	GEC			Determine the need of this Section. Include this Section if signal design and construction is part of the contract

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34 42 50	Switch Circuit Controller	To Be Reviewed	Yes	GEC			Determine the need of this Section. Include this Section if signal design and construction is part of the contract
34 42 52	Rectifiers, Batteries, and Battery Charging Equipment	To Be Reviewed	Yes	GEC			Determine the need of this Section. Include this Section if signal design and construction is part of the contract
34 42 54	Rail Bonding	To Be Reviewed	Yes	GEC			Determine the need of this Section. Include this Section if signal design and construction is part of the contract
34 42 56	Signal Grounding	To Be Reviewed	Yes	GEC			Determine the need of this Section. Include this Section if signal design and construction is part of the contract
34 42 58	Signal System Testing	To Be Reviewed	Yes	GEC			Determine the need of this Section. Include this Section if signal design and construction is part of the contract
34 42 60	Signal Systems Miscellaneous Products	To Be Reviewed	Yes	GEC			Determine the need of this Section. Include this Section if signal design and construction is part of the contract
34 42 62	Service Meters	To Be Reviewed	Yes	GEC			Determine the need of this Section. Include this Section if signal design and construction is part of the contract
34 42 64	Highway-Rail Grade Crossing Warning Systems	To Be Reviewed	Yes	GEC			Determine the need of this Section. Include this Section if signal design and construction is part of the contract
34 42 66	Dragging Equipment Detectors	To Be Reviewed	Yes	GEC			Determine the need of this Section. Include this Section if signal design and construction is part of the contract
34 42 70	Wayside Signal Assemblies	To Be Reviewed	Yes	GEC			Determine the need of this Section. Include this Section if signal design and construction is part of the contract
Highway-Rail Grade Crossings							
34 71 50	Highway-Rail Grade Crossings	Yes	No changes				
Track Construction							
34 72 00	Trackwork	Yes	No changes				Track work will include CWR, OTM, Ballast, Sub-Ballast and Aggregate Base, Ties and Fasteners
34 72 20	Track Shifting, Relocation and Resurfacing	Yes	No changes				Track work will include CWR, OTM, Ballast, Sub-Ballast and Aggregate Base, Ties and Fasteners
34 72 30	Field Welding Rail	Yes	No changes				
34 72 40	Track Collector Pan System	Yes	No changes				
Railroad Bridges							
34 80 11	Stone Revetment (Riprap)	To Be Reviewed	Yes	GEC			Determine the need of this Section. Include this Section if a need for riprap part of the project
34 80 21	Piling	To Be Reviewed	Yes	GEC			Determine the need of this Section. Include this Section if a railroad bridge is part of the project
34 80 22	Cast-In-Drilled Hole (CIDH) Piles	To Be Reviewed	Yes	GEC			Determine the need of this Section. Include this Section if a railroad bridge is part of the project

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34 80 23	Subdrainage System for Railroad Bridges and Retaining Walls	To Be Reviewed	Yes	GEC			Determine the need of this Section. Include this Section if a railroad bridge is part of the project
34 80 31	Bridge Deck Drainage System	To Be Reviewed	Yes	GEC			Determine the need of this Section. Include this Section if a railroad bridge is part of the project
34 80 32	Adhered Elastomeric Waterproofing for Railroad Bridges	To Be Reviewed	Yes	GEC			Determine the need of this Section. Include this Section if a railroad bridge is part of the project
34 80 33	Hot Mix Asphalt (HMA) for Bridges	To Be Reviewed	Yes	GEC			Determine the need of this Section. Include this Section if a railroad bridge is part of the project
34 80 43	Precast and Prestressed Concrete for Bridges	To Be Reviewed	Yes	GEC			Determine the need of this Section. Include this Section if a railroad bridge is part of the project
34 80 51	Structural Steel for Railroad Bridges	To Be Reviewed	Yes	GEC			Determine the need of this Section. Include this Section if a railroad bridge is part of the project
34 80 52	Metal Fabrications for Railroad Bridges	To Be Reviewed	Yes	GEC			Determine the need of this Section. Include this Section if a railroad bridge is part of the project
34 80 53	Steel Handrails for Railroad Bridges	To Be Reviewed	Yes	GEC			Determine the need of this Section. Include this Section if a railroad bridge is part of the project
34 80 61	Painting and Protective Coating for Bridges	To Be Reviewed	Yes	GEC			Determine the need of this Section. Include this Section if a railroad bridge is part of the project



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DIVISION 01 – GENERAL REQUIREMENTS					
01 11 16.01	Flagging	EA OR AL			
01 31 19.01	Partnering	AL			
01 55 26.01	Maintenance and Protection of Traffic	LS			
01 56 38.01	Bird Protection	Change Order			
01 71 13.01	Mobilization, Demobilization, and Controls (Maximum of --% of Total Bid)	LS			
DIVISION 03 - CONCRETE					
03 21 00.01	Reinforcing Steel	LBS			
03 21 00.01	Reinforcing Steel for Bridges	LBS			
03 31 00.01	Concrete Curb	LF			
03 31 00.02	Concrete Curb and Gutter	LF			
03 31 00.03	Concrete Sidewalks (-")	SF			
03 31 00.04	Concrete Road Pavement (-")	SF			
03 31 00.05	Concrete Driveway (-")	SF			
03 31 00.06	Concrete Retaining Wall	LS			
03 31 00.07	Concrete Underpass	LS			
03 31 00.08	Concrete Platform	CY			
03 31 00.09	Stamped Concrete - Median Island	SF			
03 31 00.09	Precast Concrete	SF			
03 31 00.10	Concrete Structures	CY			
03 31 00.11	Concrete Structures for Bridges	CY			
03 31 00.12	Concrete Testing by SCRRRA Selected Testing Agency	AL			
DIVISION 04 - MASONRY					
04 22 00.01	6' Reinforced Concrete Block Wall	LF			
04 22 10.01	Environmental Paving	SF			
DIVISION 05 - METALS					
05 12 23.01	Structural Steel	LS			
05 52 00.01	Metal Hand Railing	LF			
05 52 00.02	Stainless Steel Hand Railing	LF			
05 52 00.03	Pedestrian Barricade	EA			
05 52 00.04	Right-of-Way Security Gates	EA			

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05 52 10.01	Pedestrian Swing Gate	EA			
DIVISION 09 - FINISHES					
09 61 50.01	Detectable Warning Tactile for Station Platform	SF			
09 61 50.01	Detectable Warning Tactile for Sidewalks	SF			
DIVISION 10 - SPECIALTIES					
10 14 53.01	Roadway Signs	EA			
10 14 55.01	Railroad Signs	EA			
DIVISION 12 - FURNISHINGS					
12 67 23.01	Benches	EA			
12 67 23.02	Trash Containers	EA			
DIVISION 26 - ELECTRICAL					
26 05 00.01	Basic Electrical Materials and Methods	LS			
26 05 43.01	Electrical Manholes	EA			
26 05 43.02	Electrical Handholes	EA			
26 12 00.01	Conductors and Cables Electrical and Communications System	LS			
26 13 00.01	Conduits, Raceways and Boxes for Electrical and Communications System	LS			
26 13 00.02	Electrical Enclosures	EA			
26 13 00.03	Electrical Cabinets	EA			
	Concrete Pullboxes				
26 50 00.01	Fluorescent Light Fixtures including Lamps and Ballasts	EA			
26 50 00.02	High Intensity Light Fixtures including Lamps and Ballasts	EA			
26 50 00.03	Light Poles	EA			
DIVISION 29 - CUSTOMER INFORMATION SYSTEM (CIS)					
29 00 00.01	Customer Information System (CIS)	LS			
29 20 20.01	Ethernet Switch	EA			
29 20 20.02	Audio Amplifier	EA			
29 20 20.03	Priority Controller	EA			
29 20 20.04	42" Commercial LCD Display	EA			
29 20 20.05	Network Media Player	EA			
29 20 20.06	Strobe Lights	EA			
29 20 20.07	Audio Decoder	EA			
29 20 20.08	Environmental Distribution Center/FOPP	EA			
29 20 20.09	LED Message Display	EA			
29 20 20.10	EPM	EA			
29 20 20.11	Rack Mount Connector Housing	EA			

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29 20 20.12	Transient Voltage Suppression	EA			
29 20 20.13	UPS	EA			
29 20 20.14	Closet Connector Housing-Pigtail Modules	EA			
29 20 20.15	Splice trays	EA			
29 20 20.16	Bracket Inside Connector Housing	EA			
29 20 20.17	LCD Enclosure (including 42" Monitor Enclosure, Insulation, Enclosure Post, Brackets)	EA			
29 20 20.18	Speakers	EA			
29 20 20.19	Modular Media Convertor	EA			
DIVISION 31 - EARTHWORK					
31 11 00.01	Clearing and Grubbing	LS			
31 11 50.01	Removal of Traffic Lines and Markings	LS			
31 11 50.02	Remove Chain Link Fence	LF			
31 11 50.03	Remove Asphalt Concrete	SF			
31 11 50.04	Remove Asphalt Concrete Curb	LF			
31 11 50.05	Remove Concrete Curb	LF			
31 11 50.06	Remove Concrete Curb and Gutter	LF			
31 11 50.07	Remove Sidewalk	SF			
31 11 50.08	Remove Concrete Pavement	SF			
31 11 50.09	Remove Signs	EA			
31 11 50.10	Remove Drainage Pipe (-")	LF			
31 11 50.11	Remove Headwall	EA			
31 11 50.12	Adjusting Manholes and Inlets	EA			
31 11 50.13	Remove Trees	EA			
31 20 00.01	Excavation	CY			
31 20 00.02	Excavation (Detention Basin)	CY			
31 20 00.03	Excavation (Roadway)	CY			
31 20 00.04	Excavation (Platforms)	CY			
31 20 00.05	Excavation (Walls)	CY			
31 20 00.07	Embankment	CY			
31 20 00.08	Structural Excavation	CY			
31 20 00.09	Structural Backfill	CY			
31 20 00.10	Pervious Backfill	CY			
31 20 00.11	Removal of Unsuitable Material and Backfilling with Approved Suitable Material	CY			
31 20 00.12	Hazardous Material	CY			
31 50 00.01	Temporary Excavation Support	LS			
DIVISION 32 - EXTERIOR IMPROVEMENTS					
32 12 00.01	Asphalt Concrete Cold Mill	SY			

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32 12 00.02	HMA Pavement	TON			
32 12 00.03	Asphalt Concrete Sidewalk	SF			
32 12 00.04	Asphalt Concrete Driveway	SF			
32 12 00.05	Asphalt Concrete Pavement with Glass Grid (Coordinate with Others for Loop Installation)	SF			
32 12 00.06	Asphalt Concrete Curb	LF			
32 16 00.01	Curb and Gutter	SF			
32 16 00.02	Median Concrete Curb	SF			
32 16 00.03	Concrete Curb	SF			
32 16 00.04	Concrete V Ditch	SF			
32 16 00.05	Concrete Sidewalk	SF			
32 16 00.06	Concrete Driveway	SF			
32 17 13.01	Remove Pavement markings	LS			
32 17 13.02	Install Painted Lines and Markings	LS			
32 17 13.03	Install Thermoplastic Pavement Lines and Markings	LS			
32 17 13.04	Install Pavement Markers	EA			
32 13 13.01	6' High Chain Link Fence	LF			
32 13 13.01	4' High Chain link Fence	LF			
32 13 13.01	Chain Link Gate (20' Wide)	EA			
32 13 13.01	Chain Link Gate (16' Wide)	EA			
32 13 16.01	6' High Welded Wire Fence	LF			
32 13 16.01	4' High Welded Wire Fence	LF			
32 13 16.01	Welded Wire Gate (20' Wide)	EA			
32 13 16.01	Welded Wire Gate (16' Wide)	EA			
32 31 19.01	6' High Tubular Steel Fence	LF			
32 31 19.02	4' High Tubular Steel Fence	LF			
32 31 19.03	Tubular Steel Gate (20' Wide)	EA			
32 31 19.04	Tubular Steel Gate (16' Wide)	EA			
32 32 16.01	Gravity Block Retaining Wall	SF			
32 32 20.01	MSE Retaining Walls	SF			
32 80 00.01	Irrigation System	LS			
32 90 00.01	Landscaping	LS			
32 91 00.01	Soil Erosion and Sediment Control	LS			
32 91 00.02	Top Soil and Finish Grading	LS			
32 91 00.03	Seeding	LS			
DIVISION 33 - UTILITIES					
33 05 23.01	Construct --" Steel Pipe Encasement	EA			
33 42 00.01	--" RCP Culvert Pipe	LF			

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33 42 00.02	--" CMP Culvert Pipe	LF			
33 42 00.03	--" Corrugated High-Density Polyethylene Drainage Pipe	LF			
33 42 00.04	--" Smooth Steel Pipe	LF			
33 42 00.05	--" PVC Pipe	LF			
33 42 00.06	--" Reinforced Concrete Box Culvert including excavation, fill, bedding, concrete	LF			
33 42 00.07	Construct Inlet	EA			
33 42 00.08	Construct Manhole	EA			
33 42 00.09	Catch Basin	EA			
33 42 00.10	Concrete Junction Box	EA			
33 46 00.01	8" Perforated PVC Underdrain Including Fittings, Trench, Permeable Material and Geotextile Fabric	LF			
33 46 00.02	8" PVC Cleanout Including Clean Out Frame and Cover, Wye, and Elbow	EA			
33 46 00.03	Connect Underdrain to -" Storm Drain Stub Out with Fittings	EA			
33 46 00.04	Connect Underdrain to Existing Storm Drain with Junction Structure	EA			
DIVISION 34 TRANSPORTATION					
	RAILROAD SIGNALS				
34 42 00.01	General Signal Requirements	LS			
34 42 00.02	Demolition and Removal of Existing Equipment including retiring of CPs, Grade Crossings, Signals, Gates and Cabling	LS			
34 42 16.01	2c # 6 Twisted Track Wire	LF			
34 42 16.02	7c # 6 Cable	LF			
34 42 16.03	7c # 14 Cable	LF			
34 42 16.04	12c # 14 Cable	LF			
34 42 16.05	3c #6 Cable	LF			
34 42 16.06	House Wiring Changes and Cable Hookups in New Houses	EA			
34 42 16.07	House Wiring Changes and Cable Hookups in Existing Houses	EA			
34 42 16.08	Wiring of Gates and/or Cantilevers	EA			
34 42 16.09	Field Case and House Wiring	EA			
34 42 18.01	4" Rigid Galvanized Conduits Under Roadway	LF			
34 42 18.02	4" Rigid Galvanized Conduits under Tracks	LF			

BID ITEM NO.	DESCRIPTION	UNIT	PROPOSED MODIFICATIONS SUBMITTED BY GEC?	MODIFICATIONS APPROVED BY PROJECT MANAGER?	NOTES
34 42 18.03	4" Schedule 40 PVC Conduits (General)	LF			
34 42 18.04	6" burial caution Tape	LF			
34 42 18.05	4' x 4' x 4' Pull Boxes	EA			
34 42 18.06	24" X 18" X 13" Pull Boxes	EA			
34 42 18.07	10" X 17" X 12" Pull Boxes	EA			
34 42 42.01	Signal Structures and Foundations	EA			
34 42 43.01	Electric Switch Lock	EA			
34 42 44.01	Relays	EA			
34 42 46.01	Transport and Install Signal Equipment House	EA			
34 42 48.01	Power Switch and Lock Movement	EA			
34 42 50.01	Switch Circuit Controller	EA			
34 42 52.01	Rectifiers	EA			
34 42 52.02	Batteries	EA			
34 42 52.03	Battery Charging Equipment	EA			
34 42 54.01	Rail Head Bond	EA			
34 42 54.02	Track Connection	EA			
34 42 54.03	Test Track Connections and Bonds	EA			
34 42 58.01	Signal System Testing	LS			
34 42 58.02	Furnish, Install and Test Miscellaneous Signal Equipment in Houses	LS			
34 42 58.03	Support During Signal Cutovers	LS			
34 42 62.01	AC Meter Service Panels	EA			
34 42 64.01	Program GCP 4000	EA			
34 42 64.02	Program Intelligent Serial Preemption Interconnection (I-SPI)	EA			
34 42 64.03	Program Exit Gate Management System (EGMS)	EA			
34 42 64.04	Furnish and Install Performed Vehicle Detection Loops	EA			
34 42 64.05	Transport, Install and Test Vehicular gates and Flashing Light Assemblies	EA			
34 42 64.06	Transport, Install and Test Pedestrian gates and Flashing Light Assemblies	EA			
34 42 64.07	Furnish, Install and Test Narrow Band Shunts, Wideband Shunts and Tuned Joint Couplers (NBS, WBS & TJC's)	EA			
34 42 66.01	Dragging Equipment Detector Systems	EA			
34 42 70.01	Wayside Signal Assemblies	EA			
	HIGHWAY-RAIL GRADE CROSSINGS				
34 71 50.01	Highway-Rail Grade Crossings	TF			

BID ITEM NO.	DESCRIPTION	UNIT	PROPOSED MODIFICATIONS SUBMITTED BY GEC?	MODIFICATIONS APPROVED BY PROJECT MANAGER?	NOTES
	TRACK CONSTRUCTION				
34 72 00.01	136# New Track on Timber Ties, including Rail, OTM, Ballast, Sub-Ballast and Aggregate Base, Ties, and Fasteners	TF			
34 72 00.02	136# New Track on Concrete Ties, including Rail, OTM, Ballast, Sub-Ballast and Aggregate Base, Ties, and Fasteners	TF			
34 72 00.03	Remove and Dispose Track	TF			
34 72 00.04	Rehabilitate Track	TF			
34 72 00.05	Repair Track	TF			
34 72 00.06	No. 14 Power Operated Tangential - 136# Left Hand WSM Turnout on Wood Ties	EA			
34 72 00.07	No. 14 Hand Throw Tangential - 136# Left Hand WSM Turnout on Wood Ties	EA			
34 72 00.08	No. 14 Hand Throw Standard - 136# Left Hand WSM Turnout on Wood Ties	EA			
34 72 00.09	No. 14 Power Operated Tangential - 136# Right Hand WSM Turnout on Wood Ties	EA			
34 72 00.10	No. 14 Power Operated Tangential - 136# Right Hand RBM Turnout on Wood Ties	EA			
34 72 00.11	No. 14 Power Operated Tangential - 136# Left Hand WSM Turnout on Concrete Ties	EA			
34 72 00.12	No. 14 Hand Throw Tangential - 136# Left Hand WSM Turnout on Concrete Ties	EA			
34 72 00.13	No. 14 Hand Throw Standard - 136# Left Hand WSM Turnout on Concrete Ties	EA			
34 72 00.14	No. 14 Power Operated Tangential - 136# Right Hand WSM Turnout on Concrete Ties	EA			
34 72 00.15	No. 14 Power Operated Tangential - 136# Right Hand RBM Turnout on Concrete Ties	EA			
34 72 00.16	Bumping Post	EA			
34 72 00.17	Double Switch Point Derail	EA			
34 72 00.18	Guard Rail	TF			
34 72 00.19	Bumping Post	EA			
34 72 20.01	Shift Track	TF			
34 72 20.02	Raise Track	TF			
34 72 20.03	Surface track	TF			
34 72 40.01	Track Collector Pan System	EA			
	RAILROAD BRIDGES				
34 80 11.01	Place ungrouted Class I Riprap	TON			

BID ITEM NO.	DESCRIPTION	UNIT	PROPOSED MODIFICATIONS SUBMITTED BY GEC?	MODIFICATIONS APPROVED BY PROJECT MANAGER?	NOTES
34 80 11.02	Place grouted Class I Riprap	TON			
34 80 11.03	Place ungrouted Class II Riprap	TON			
34 80 11.04	Place grouted Class II Riprap	TON			
34 80 21.01	12" Timber Piles	LF			
34 80 21.02	12" Steel Piles	LF			
34 80 21.03	12" Precast prestressed Concrete Piles	LF			
34 80 21.04	12" Timber Test Piles	LF			
34 80 21.05	Steel Sheet Piles	SF			
34 80 22.01	16" Cast-In-Drilled Hole (CIDH) Piles	LF			
34 80 22.02	24" Cast-In-Drilled Hole (CIDH) Piles	LF			
34 80 23.01	Subdrainage System for Railroad Bridges	LS			
34 80 23.02	Subdrainage System for Retaining Walls	LS			
34 80 23.03	Subdrainage System for Concrete Masonry Walls	LS			
34 80 23.04	Subdrainage System for Concrete Walls	LS			
34 80 23.05	Subdrainage System for Concrete Platforms	LS			
34 80 31.01	Bridge Deck Drainage System	LS			
34 80 32.01	Adhered Elastomeric Waterproofing for Railroad Bridges	LS			
34 80 33.01	Furnish and Install HMA for Bridges	TON			
34 80 43	Precast and Prestressed Concrete for Bridges	LS			
34 80 51.01	Structural Steel for Railroad Bridges	LS			
34 80 52	Metal Fabrications for Railroad Bridges	LS			
34 80 53.01	Steel Handrails for Railroad Bridges	LF			

NOTES:

- 1 Bid Items will be added or deleted to the Schedule of Quantities and Prices based on project scope and details.
- 2 Sizes and Materials shall be included in Schedule of Quantities and Prices for bid items that has multiple choices in the Specifications.
- 3 If the unit of measurement is changed in the Schedule of Quantities and Prices, the GEC will discuss this with the SCRRA.