

SUBJECT: AUTHORIZATION TO ENTER INTO A UTILITIES REIMBURSABLE SERVICES AGREEMENT WITH THE ALASKA RAILROAD FOR THE NANCY LAKE ROAD CROSSING UPGRADE IN THE AMOUNT OF \$288,700.

AGENDA OF: May 18, 2021

ASSEMBLY ACTION:

approved under the consent agenda. 5.18.21 KBJ

MANAGER RECOMMENDATION: Present to the Assembly for consideration.

APPROVED BY MICHAEL BROWN, BOROUGH MANAGER:

UMB

Route To:	Department/Individual	Initials	Remarks
	Originator / JB	James D Jensen	Digitally signed by James D Jensen Date: 2021.05.05 16:33:28 -08'00'
	Public Works Director	<i>TDO</i>	<i>5 MAY 2021</i>
	Purchasing Officer	<i>[Signature]</i>	
	Finance Director	<i>CF</i>	
	Borough Attorney	<i>[Signature]</i>	
	Borough Clerk	<i>[Signature]</i>	<i>KBJ</i>

ATTACHMENT(S) : Fiscal Note: Yes X No _____
Utility Reimbursable Services Agreement (8pp)

SUMMARY STATEMENT: The Alaska Railroad has submitted a Utility Reimbursable Services Agreement that will bring the Nancy Lake Landing / Mike Ardaw Road railroad crossing up to current mainline standards and includes concrete panels and asphalt approaches. This agreement will be administered by the MSB Public Works Department.

RECOMMENDATION OF ADMINISTRATION: Authorize the Manager to enter into the Utilities Reimbursable Services Agreement with the Alaska Railroad for the Nancy Lake Grade Crossing Upgrade in the amount of TWO HUNDRED EIGHTY EIGHT THOUSAND SEVEN HUNDRED DOLLARS AND 00/100 CENTS (\$288,700).

MATANUSKA-SUSITNA BOROUGH
FISCAL NOTE

Agenda Date: May 18, 2021

SUBJECT: AUTHORIZATION TO ENTER INTO A UTILITIES REIMBURSABLE SERVICES AGREEMENT WITH THE ALASKA RAILROAD FOR THE NANCY LAKE ROAD CROSSING UPGRADE IN THE AMOUNT OF \$288,700.

ORIGINATOR: J Ballinger

FISCAL ACTION (TO BE COMPLETED BY FINANCE)	FISCAL IMPACT ☒ YES ☐ NO
AMOUNT REQUESTED \$288,700	FUNDING SOURCE RSA Capital Projects
FROM ACCOUNT # 410.000.000 4xx.xxx	PROJECT 30042 / 35000
TO ACCOUNT :	PROJECT #
VERIFIED BY: <i>Kim W. W. W.</i>	CERTIFIED BY:
DATE: 5-6-21	DATE:

EXPENDITURES/REVENUES:

(Thousands of Dollars)

OPERATING	FY2020	FY2021	FY2022	FY2023	FY2024	FY2025
Personnel Services						
Travel						
Contractual						
Supplies						
Equipment						
Land/Structures						
Grants, Claims						
Miscellaneous						
TOTAL OPERATING						

CAPITAL		288.7				
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REVENUE						
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FUNDING:

(Thousands of Dollars)

General Fund						
State/Federal Funds						
Other		288.7				
TOTAL		288.7				

POSITIONS:

Full-Time						
Part-Time						
Temporary						

ANALYSIS: (Attach a separate page if necessary)

PREPARED BY: _____ PHONE: _____
 DEPARTMENT: *Chrysean Stenell* DATE: _____
 APPROVED BY: _____ DATE: *5/7/2021*

ALASKA
RAILROAD

ARRC No:	13-21-357
MSB Project No:	_____
MSB Utility Agreement No:	_____
Project Title:	Nancy Lake Grade Crossing Upgrade
ARRC Milepost:	180.77

UTILITY REIMBURSABLE SERVICES AGREEMENT

This Utility Reimbursable Services Agreement ("Agreement"), effective on the date of the last signatory hereto, is made by and between the ALASKA RAILROAD CORPORATION, herein referred to as "ARRC", and the MATANUSKA-SUSITNA BOROUGH, 350 E. Dahlia Avenue, Palmer, Alaska 99645, herein referred to as "MSB".

RECITALS

WHEREAS, pursuant to the terms and conditions of that certain Blanket Permit, ARRC Contract No. 6139, executed by MSB and ARRC on January 5, 1989 (the "Blanket Permit"), the parties have agreed that the Nancy Lake grade crossing will be upgraded at ARRC MP 180.77 (the "Project"); and

WHEREAS, MSB has requested ARRC to provide the labor, materials, equipment, and project management required for the completion of the Project and has agreed to reimburse ARRC for the cost of such work under the terms and conditions of this Agreement.

NOW THEREFORE, in consideration of the mutual covenants herein contained and other good and valuable consideration, the parties hereby agree as follows:

1. ARRC Work. Under the terms of this Agreement, ARRC and/or its contractor will provide the following Project work:
 - a. Provide all labor, materials, equipment, preliminary engineering, management expertise, Project representation, and construction management necessary to upgrade the railroad grade crossing in a manner that will fully support highway and railroad traffic at said location.
 - b. Provide all labor, materials and construction equipment required for railroad flag protection whenever ARRC employees, ARRC contractors or any equipment of aforementioned employees or contractors are within 20 feet of ARRC's track or facilities.
 - c. Provide and implement a traffic control plan for the crossing location.

AM 21-045

- d. Provide a contact person to coordinate the design, engineering, and construction of the Project. The ARRC representative for Project engineering and construction is Mitchell Mohr, Project Manager at 907-265-2409.

2. MSB Work. Under the terms of this Agreement, MSB and/or its contractor will provide all labor, equipment and materials necessary to perform the following Project work:

- a. Provide a contact person to coordinate the design, engineering, and construction of the Project with ARRC.
- b. Provide the labor, equipment, and materials required to review and approve a prepared traffic control plan for the crossing location.
- c. Comply with the ARRC Standard Specifications for Work on Railroad Property ("Railroad Specifications") for the Project, which are hereby incorporated herein and by this reference made as part of this Agreement. The ARRC Chief Engineer must approve any modifications to the Railroad Specifications. In the event of any conflict between this Agreement and the Railroad Specifications, the Railroad Specifications shall control.

3. Compensation. MSB shall reimburse the ARRC for the cost of all labor, equipment and materials provided by the ARRC for the Project in accordance with Paragraph 1 above. Reimbursement for overhead, material handling and equipment will be based upon the audited rates in effect at the time the work is accomplished. Said amounts shall be due and payable within 60 days of MSB's receipt of ARRC's invoice for the same. ARRC contact for invoice and billing questions shall be Lynda Stephens at 907-265-2458, stephensl@akrr.com.

If MSB will be receiving any federal funding for the Project, the current rules, regulations and provisions of the Federal Aid Policy Guide as contained in 23 CFR 140, Subpart I and 23 CFR 646, Subparts A and B are incorporated into this Agreement by reference.

ARRC's estimate for this work is a total of **\$288,700.00** and is based upon 2020 construction costs and 2020 overhead rates, as more specifically detailed in Exhibit A attached hereto and incorporated herein. ARRC will not incur expenses in excess of the estimated amount without further authority from MSB. ARRC costs will be accumulated under ARRC work order/project number 23268 (construction management, inspection and flagging).

4. Schedule. It is understood that the Project is in close proximity to the ARRC mainline track. Accurate scheduling and reliable performance of this work is critical to the ARRC's mission of maintaining rail service to the public and ARRC customers. The parties will determine a mutually acceptable work schedule and completion period for the work specified in this Agreement.

5. Blanket Agreement. Upon completion of the Project, the subject crossing signal shall continue to be included in the MSB Blanket Permit, ARRC Contract No. 6139, and shall continue to be subject to the terms and conditions of the Blanket Permit.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement on the dates indicated below.

RECOMMEND FOR APPROVAL: Matanuska-Susitna Borough By: _____ Title: _____ Date: _____	UTILITY COMPANY ACCEPTANCE: Alaska Railroad Corporation By:  Title: <u>V.P. ENGINEERING INC</u> Date: <u>3/18/21</u>
REVIEWED: Matanuska-Susitna Borough By: _____ Title: _____ Date: _____	APPROVED: Matanuska-Susitna Borough By: _____ Title: _____ Date: _____

Attachments:

☒ Exhibit A – Estimate: Nancy Lake Grade Crossing Upgrade



Alaska Railroad Corporation

NANCY LAKE ROAD CROSSING

MP 180.77
ARRC: xxxxx
Client: xxxxx

Scope: Crossing 868328E at 90°, at-grade 24 ft, Detour 1' D, Temporary timber pland crossing, no signal support material
Prepared by: KLD on 6.29.2020

Description		Qty	Unit	Unit Price	Total	Notes / Comments
Crossing Construction					\$ 127,300	
Equipment			Subtotal		\$ 17,703	
ARRC Equipment		5	DY	\$ 80		R3434 pickup or equal, construction manager
ARRC Equipment		0	DY	\$ 113		SSL1 skid steer or equal
ARRC Equipment		10	DY	\$ 177		V1279 hy-rail or equal, two total, section gang & HE operators
ARRC Equipment		1	DY	\$ 3,386		C10WD ballast work train or equal, mobilize materials, haul ballast
ARRC Equipment		1	DY	\$ 45		V1363 hy-rail or equal, work train crew
ARRC Equipment		2	DY	\$ 218		V1439 tractor or equal, with trailer
ARRC Equipment		5	DY	\$ 669		EX1 CAT 320L or equal
ARRC Equipment		2	DY	\$ 161		ET19 tamper or equal
ARRC Equipment		2	DY	\$ 1,335		BR20 ballast regulator or equal
ARRC Equipment		1	DY	\$ 199		TF-18 forklift or equal, TOFC, load material
ARRC Equipment		1	DY	\$ 58		V1152 truck or equal, TOFC, load material
Rental Equipment		3	DY	\$ 238		R-3130 CAT 563D compactor or equal
Rental Equipment		0	DY	\$ 263		R-714 CAT D4 dozer, or equal
Rental Equipment		2	DY	\$ 161		R-841 Welding truck, or equal
Rental Equipment		2	DY	\$ 80		R-803 Hy-rail, surfacing gang, or equal
Rental Equipment		5	DY	\$ 520		R-1011 Volvo 180, loader, or equal
Rental Equipment Op \$		15	HR	\$ 24		R-3130 Op Cost, CAT 563D compactor
Rental Equipment Op \$		0	HR	\$ 24		R-714 Op Cost, CAT D4 dozer
Rental Equipment Op \$		20	HR	\$ 11		R-841 Op Cost, Welding truck
Rental Equipment Op \$		10	HR	\$ 11		R-803 Op Cost, Hy-rail, surfacing gang
Rental Equipment Op \$		25	HR	\$ 24		R-1011 Op Cost, Volvo 180 loader
Labor			Subtotal		\$ 30,019	
Labor, ST		40	MH	\$ 52		Gang foreman, ST
Labor, OT		20	MH	\$ 58		Gang foreman, OT
Labor, ST		160	MH	\$ 39		Track laborers, ST
Labor, OT		80	MH	\$ 43		Track laborers, OT
Labor, ST		40	MH	\$ 43		HE operator, ST
Labor, OT		20	MH	\$ 47		HE operator, OT
Labor, ST		1.0	DY	\$ 2,104		Train crew, ST
Labor, OT		1.0	DY	\$ 736		Train crew, OT
Labor, ST		1.0	DY	\$ 785		Dump crew, ST
Labor, OT		1.0	DY	\$ 529		Dump crew, OT
Labor, ST		0.5	DY	\$ 339		HE Operator, ST, load work train
Labor, OT		2	DY	\$ 896		Surfacing gang, ST
Labor, OT		2	DY	\$ 500		Surfacing gang, OT

AM 21-045



Alaska Railroad Corporation

NANCY LAKE ROAD CROSSING

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ARRC: xxxxx
Client: xxxxx

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Prepared by: KLD on 6.29.2020

Labor, ST	2	DY	\$	990	\$	1,980	Welding crew, ST
Labor, OT	2	DY	\$	550	\$	1,100	Welding crew, OT
Labor, ST	1	DY	\$	1,400	\$	1,400	TOFC crew, ST, load material
Per Diem	6	MD	\$	88	\$	528	Surfacing gang, assume the entire gang is eligible for per diem
Per Diem	2	MD	\$	88	\$	176	Welding crew, assume the entire gang is eligible for per diem
Per Diem	15	MD	\$	88	\$	1,320	Crossing crew & HE operators, assume 1/2 the gang is eligible for per diem
Per Diem	1.0	MD	\$	570	\$	570	Train crew, work train
Per Diem	1.0	MD	\$	176	\$	176	Dump crew, work train
Per Diem	1.0	MD	\$	88	\$	88	HE loader, work train
Subtotal			\$		\$	29,163	
Materials							
Crossing Panel, Concrete, Gauge	4	EA	\$	1,124	\$	4,495	Concrete modular panel, Gauge, Stock Code 314637
Crossing Panel, Concrete, Field	8	EA	\$	623	\$	4,986	Concrete modular panel, Field, Stock Code 314638
Crossing Panel, Concrete, Ramp, LT	2	EA	\$	308	\$	617	Concrete modular panel, Ramp Left, Stock Code 314644
Crossing Panel, Concrete, Ramp, RT	2	EA	\$	309	\$	617	Concrete modular panel, Ramp Right, Stock Code 314639
Crossing Panel, Concrete, Ramp, CT	2	EA	\$	499	\$	998	Concrete modular panel, Ramp Center, Stock Code 315027
Screws, Torx Concrete Crossing	2	BOX	\$	51	\$	101	Torx screws, concrete crossing, 3/4" ϕ x 12", fifty (50) screws per box, Stock Code 044890
Ties, 10 ft. Crossing	50	EA	\$	74	\$	3,691	Ties, 10 ft., for track panel, Stock Code 000559
Plates, Pandrol	100	EA	\$	16	\$	1,575	Plates, pandrol, 115RE, 5-1/2" base, Stock Code 023853
E-clips, Pandrol	8	BAG	\$	54	\$	428	E-clips, two (2) per Pandrol plate, 25 per bag, Stock Code 023816
Screws, Pandrol	10	PAIL	\$	83	\$	832	Pandrol screws, 5/16" ϕ x 6", forty (40) screws per box, Stock Code 313112
Anchors	8	BAG	\$	49	\$	389	Anchors, box anchor each tie, 28 anchors per bag, Stock Code 020106
Tie Plugs	1	BNDL	\$	25	\$	25	Cedar tie plugs, 500 plugs per bundle, Stock Code 022805
Bits, Ship Auger, 3/4" x 17"	1	EA	\$	19	\$	19	Drill bits, pilot holes, Pandrol screws, assume wear, breakage, Stock Code 315936
Bits, Ship Auger, 5/8" x 18"	1	EA	\$	17	\$	17	Drill bits, pilot holes, Torx screws, assume wear, breakage, , Stock Code 315935
Socket, Torx Drive	1	EA	\$	50	\$	50	Socket, 1" sq. drive x 5/8" TX-70 Torx head, Stock Code 092154
Angle Bars, 115RE	4	PR	\$	103	\$	413	Angle bars, 115RE, six hole, track panel ends, JDE Stock Code 024156
Bolts, Track	2	PAIL	\$	87	\$	174	Bolt, nut and washer assembly, 20 bolts per pail, Stock Code 020700
Ballast, Curry	150	TN	\$	26	\$	3,831	Ballast, Curry, includes 1/2 carload for runoff (each end), Stock Code 316338
Rail, 115RE	160	LF	\$	20	\$	3,158	Rail, 115RE, new, track panel, JDE Stock Code 001169
Weld Kits, Thermite	5	EA	\$	198	\$	990	Thermite welding material, per weld, includes one (1) spare weld kit
Fabric, Geotextile	1	ROLL	\$	1,006	\$	1,006	Geotextile fabric, ballast protection, Stock Code 024107
TOFC material	1	LS	\$	750	\$	750	Straps, binders, dunnage timber (as needed)
Subtotal			\$		\$	50,395	
Contracts							
Asphalt, Contractor Mob	1	LS	\$	3,500	\$	3,500	Asphalt, contractor, mobilization
D1, Sub-base, Road	45	TN	\$	160	\$	7,200	D1, delivered, placed, 4" thick, 25% swell, pullback, both sides of road
Asphalt, Paving, Road	45	TN	\$	400	\$	18,000	Asphalt, placed, 4" thick, 150 pcf, pullback, both sides of road
Dumpster	5	DY	\$	175	\$	875	Site delivery, pick up, disposal
Landfill Fees	7	TN	\$	75	\$	525	Disposal of existing ties, wet ties at 250 LB / tie, tipping fees at \$75 / TN

AM 21-045



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NANCY LAKE ROAD CROSSING

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Prepared by: KLD on 6.29.2020

Portable Toilet	5	DY	\$	125	\$	625	Portable toilet during construction
Permit, Road Closure	1	LS	\$	100	\$	100	Agency road closure permit
Traffic Control Plan	1	LS	\$	12,000	\$	12,000	Traffic Control Plan
Clearing, Sight Triangle	0.5	ACRE	\$	6,500	\$	3,250	Assume sight triangle clearing
Striping, Single White, Fog Line	120	LF	\$	18	\$	2,160	"
Striping, Single White, Stop Bar	24	LF	\$	90	\$	2,160	"
Timber Crossing & Road Detour					\$	29,100	
Equipment							
ARRC Equipment	2	DY	\$	74	\$	148	R3133 pickup or equal, project manager
ARRC Equipment	2	DY	\$	186	\$	371	V1242 Boom Truck, or equal
ARRC Equipment	0	DY	\$	85	\$	-	SSL1 Skidsteer, or equal
ARRC Equipment	2	DY	\$	108	\$	216	V1274 Hy-Rail, or equal
ARRC Equipment	2	DY	\$	108	\$	216	V1275 Hy-Rail, or equal
ARRC Equipment	2	DY	\$	186	\$	371	V1301 tractor or equal, with trailer
ARRC Equipment	2	DY	\$	691	\$	1,382	EX01 CAT 320L or equal
Rental Equipment	2	DY	\$	520	\$	1,039	R-1011 Volvo 180, loader, or equal
Rental Equipment	2	DY	\$	238	\$	477	R-3130 CAT 563D compactor or equal
Rental Equipment	2	DY	\$	260	\$	521	R-xxx water truck, or equal
Rental Equipment	2	DY	\$	263	\$	527	R-714 CAT D4 dozer, or equal
Rental Equipment	2	DY	\$	506	\$	1,012	R-975 CAT 14H grader, or equal
Rental Equipment, Op \$	10	HR	\$	24	\$	237	R-1011 Op Cost, Volvo 180 loader, assume five (5) hours per day
Rental Equipment, Op \$	10	HR	\$	24	\$	237	R-1054 Op Cost, CAT 583E compactor, assume five (5) hours per day
Rental Equipment, Op \$	10	HR	\$	15	\$	150	R-xxx Op Cost, water truck, assume five (5) hours per day
Rental Equipment, Op \$	10	HR	\$	37	\$	369	R-714 Op Cost, CAT D4 dozer, assume five (5) hours per day
Rental Equipment, Op \$	10	HR	\$	24	\$	237	R-795 Op Cost, CAT 14H grader, assume five (5) hours per day
Labor					\$	7,903	
Labor, ST	16	MH	\$	52	\$	832	Gang foreman, ST
Labor, OT	8	MH	\$	58	\$	464	Gang foreman, OT
Labor, ST	64	MH	\$	39	\$	2,485	Track laborers, ST
Labor, OT	32	MH	\$	43	\$	1,385	Track laborers, OT
Labor, ST	32	MH	\$	43	\$	1,361	HE operators, ST
Labor, OT	16	MH	\$	47	\$	759	HE operators, OT
Per Diem	7	MD	\$	88	\$	616	Track Crew, HE Operators, assume half the gang is eligible for per diem
Materials					\$	4,971	
Planks, Timber	24	EA	\$	120	\$	2,880	Assume planks, timber, 3-1/2" x 12" x 20 ft, green-treated
Screws, Torx Timber	3	BOX	\$	186	\$	558	Assume screws, torx timber, 3/4" x 7-1/2", 50 per box
Bits, Ship Auger, 9/16" x 17"	3	EA	\$	17	\$	51	Drill bits, pilot holes, for torx timber screws, assume wear, breakage
Angle Bars, 115RE	4	PR	\$	102	\$	408	Angle bars, 115RE, six hole, track panel ends, IDE Stock Code 024156

AM 21-045



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Telespar, Sleeve, 2-1/4"x 2-1/4"x 4'	2	EA	\$	26	\$	52	Assume passive warning signs
Telespar, Post, 2" x 2" x 12 ft.	2	EA	\$	77	\$	154	Assume passive warning signs
Sign, Cross-Bucks, 6" x 4 ft.	2	EA	\$	225	\$	450	Assume cross-bucks
Rivets, 3/8", signs	1	BG	\$	225	\$	225	Assume 50 rivets per bag
Driver, Square Tube	1	EA	\$	43	\$	43	Assume stem, 1" x 4-1/4", square tube sign post driver
Sign, Stop, Octagonal	2	EA	\$	75	\$	150	Assume signs, stop, octagonal
Contracts		Subtotal			\$	8,680	
Dumpster	2	DY	\$	175	\$	350	Site delivery, pick up, disposal
Portable Toilet	2	DY	\$	125	\$	250	Portable toilet during construction
D1, Commercial, Detour	232	TN	\$	30	\$	6,960	D1, delivered, commercial, two lanes, 28' wide, 1' average depth, 120' long, 25% swell
Trucking, D1 Haul, Detour	8	HR	\$	140	\$	1,120	Contract trucking, D1, one (1) hour per turn, 20 CY per trip, 1.60 TN / CY
Travel, CM, Hotel	0	DY	\$	275	\$	-	Assume peak season rates, includes meals
Flagging & Inspection		Subtotal			\$	4,300	
Equipment		Subtotal			\$	947	
Flagging							
Rental Equipment	3	DY	\$	74	\$	222	Flagging, F-350 hyrail, or equal, during work by others
Rental Equipment, Op \$	3	DY	\$	132	\$	396	Assume 12 hours per day
Inspection							
Rental Equipment	3	DY	\$	42	\$	125	
Rental Equipment, Op \$	3	DY	\$	68	\$	204	Assume 8 hours per day
Labor		Subtotal			\$	3,322	
Labor, ST	3	DY	\$	282	\$	847	ARW06, average step, 8 hour day
Labor, OT	3	DY	\$	157	\$	472	ARW06, average step, 4 hour day
Per Diem	3	DY	\$	88	\$	264	Assume the flagman is eligible for per diem
Labor, ST	3	DY	\$	560	\$	1,680	Assume inspection at non-represented rate, 8 hour day
Per Diem	3	EA	\$	20	\$	60	Assume one meal per day
Construction Total					\$	160,600	
Design & Support							
Engineering and Design							
Survey	1	LS	\$	500	\$	500	Assume remote location, as-built, including PTC Critical Feature integration
Management							
Project Management	3.00%				\$	4,833	
Project Management Support	1.00%				\$	1,611	
Construction Management	3.00%				\$	4,833	

AM 21-045



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Prepared by: KLD on 6.29.2020

Construction Management Support	1.00%		\$	1,611
Design & Support Total			\$	13,400
Project Subtotal			\$	174,000
Overhead	65.91%		\$	114,700
Grand Total (Rounded)			\$	288,700

Assumptions and Scope

See Notes / Comments

Assume escalation (not included in the estimate) is 3.5% per year
Assume one 32 ft. concrete modular crossing.
Assume one temporary timber plank (detour) crossing is needed.
Assume one road detour at 26' wide x 120' long x 1' average depth.
Assume by ARRC, traffic control plan.
Assume by ARRC, agency road closure permits.
Assume by ARRC, temporary detour signs, cones and barriers.
Assume by ARRC, D1 placement for approach paving.
Assume by ARRC, asphalt paving, 30 ft. pull-back on both sides of the crossing, with a level road approach prior to the concrete panels.
Assume by ARRC, remove and dispose existing D1 and grade for new asphalt
Assume by ARRC, remove old crossing panels, rail & ties, excavate, place geotextile, place signal conduits, CMP drains, backfill with mainline ballast.
Assume by ARRC, install track panel, new 10 ft. ties throughout, on 19-1/2" centers, new pandrol plates, new pandrol screws and new 115RE rail.
Assume by ARRC, company work train delivers Curry ballast to the crossing site.
Assume by ARRC, surfacing through the crossing.
Assume by ARRC, incidental signal work, NO signal conduit, NO signal wire, NO J-Box

AM 21-045