National Register of Historic Places Inventory—Nomination Form

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See instructions in *How to Complete National Register Forms*Type all entries—complete applicable sections

1. Na	me				
historic Bu	tte, Anaconda`a	nd Pacific	Railway Histor	ric District	
and/or commo	on Same				
2. Loc	cation				
street & numb	Right-of-way per generally alo			ls to Anaconda, Creek	N/A not for publication
city, town	Butte and Anacon	nda	vicinity of		
state	Montana	code	030 county	Silver Bow & Deer	Lodge code 093/023
3. Cla	ssificatio	n			
Category X district building(s) structure site object	·	ion Ac	atus _ occupied _ unoccupied _ work in progress cessible _ yes: restricted _ yes: unrestricted _ no	Present Use agricultureX_ commercial educational entertainment government _X industrial military	museum park private residence religious scientific x transportation other:
4. Ow	ner of Pro	perty			
name	Multiple (see	continuati	on sheet)		
street & numb	er				
city, town			vicinity of	state	
5. Loc	cation of l	_egal	Descripti	on .	
courthouse re	egistry of deeds, etc.	Angganda	-Deer Lodge Cou	rrthougo	
		AllaCollua	-Deer Louge Co.	II thouse	
street & numb					
city, town	Anaconda			state	Montana
6. Rej	presentat	ion in	Existing	Surveys	•
title S	ee continuation	sheet	has this pro	operty been determined eli	igible? yes no
date				federal stat	e county local
depository for	survey records				
city, town	் இறையில் இ			state	

7. Description

Condition		Check one	Check one		
_X excellent	deteriorated	unaltered	_X original si		
good	ruins	_x_ altered	moved	date	N/A
fair	unexposed				

Describe the present and original (if known) physical appearance

The Butte, Anaconda, and Pacific Railway Historic District is a district comprised of the right-of-way of the railroad as it runs across the Butte hill, between Butte and Anaconda, and through the city of Anaconda. In addition, the district contains grounds on which sit various buildings owned by or historically associated with the B.A.&P. These grounds include the Butte depot, the West Butte yards, the Rocker yards, the Gregson section house, the East Anaconda yards, the Anaconda depot, the B.A.&P. General Office, and the main Anaconda yards and shops complex. Numerous historic bridges are also located along the right-of-way.

The right-of-way of the B.A.&P. is located at the headwaters of the Clark Fork River near the Continental Divide. The terrain in this part of southwest Montana is rolling semi-arid grassy hills with coniferous trees at the higher elevations. The lines on the Butte hill traverse relatively steep areas of Butte and were built to serve the mines associated with the Butte National Historic Landmark. The mainline of the B.A.&P. connecting Butte and Anaconda lies in bottom land and follows the course of Silver Bow Creek down through Silver Bow Canyon. At the mouth of the canyon, approximately 13 miles west of Butte, the mainline begins a gentle climb towards Anaconda, situated along Warm Springs Creek. At the site of the Anaconda smelter, currently under demolition, several branchlines leave the mainline to serve the smelter. The mainline travels along the north side of Anaconda and enters the main yard on Anaconda's west side. B.A.&P. track once went all the way to the Southern Cross Mine, 26 miles west of Anaconda. Now it extends only to a quarry about six miles west of town. The track and roadbed of the B.A.&P. are in excellent condition.

The tracks of the B.A.&P. cross numerous bridges, most of which are simple timber beam spans supported by wood pile bents. In Butte, there are three bridges which are plate girder spans supported by stone abutments and which carry the tracks over city streets. Also in Butte are two bridges and one tunnel which carry city streets over B.A.&P. tracks. Both of these bridges were originally tunnels. Just east of Rocker, a scewed plate girder bridge carries the Missoula Gulch line (which served the upper parts of the Butte hill) over old US Hwy 10.

In Silver Bow Canyon, there is one plate girder span carrying track over the creek, one plate girder span carrying track over the abandoned right-of-way of the Chicago, Milwaukee, St. Paul, and Pacific Railway, built in 1913 as a result of the electrification of the B.A.&P. and the C.M.S.P. & P., and the only truss bridge on the B.A.&P. system. This latter bridge is

8. Significance

Period prehistoric 1400–1499 1500–1599 1600–1699 1700–1799 X 1800–1899 X 1900–	Areas of Significance—C archeology-prehistoric archeology-historic agriculture X architecture art commerce communications	community plan conservation conservation economics education x engineering		e religion science sculpture social/ humanitarian theater X transportation other (specify)
Specific dates	1890- 1938	Builder/Architect	Great Northern RR and Bu and Pacific Railway Eng	

Statement of Significance (in one paragraph) Criteria: A, B and C

The Butte, Anaconda and Pacific Railway (B.A.&P.), incorporated in 1892, is significant for its associations with late nineteenth century railroad expansion in Montana, the copper mining and smelting industry, railway electrification and hydroelectric power development, and the lives of James J. Hill, Marcus Daly and his associates, and John D. Ryan. Furthermore, B.A.&P. properties comprise an intact collection of railway buildings and structures, ca. 1890-1938, including depots, section houses, offices, a roundhouse and turntable, bridges, and a variety of other repair and maintenance facilities.

With the help and encouragement of his friend James J. Hill and the services of Hill's Great Northern Railway, Marcus Daly had the B.A.&P. line completed in 1893. The new railroad linked the Anaconda Copper Mining Company's mines in Butte with its smelters in Anaconda, providing greater and more efficient transportation for the Anaconda's burgeoning copper production. In 1912-13, under the leadership of John D. Ryan, the B.A.&P. electrified its operations. The success of the conversion provided an example that larger rairoads, such as the Chicago, Milwaukee and St. Paul, eventually followed.

Marcus Daly (1841-1900) was born in Ireland in 1841. Daly came to America in 1856 at the age of 15, along with thousands of his countrymen, fleeing potato famine. After holding a variety of jobs Daly traveled to California and there worked in the mining camps. In 1868 he moved to Nevada, where in 1870 the Walker brothers hired him as foreman of their Emma Mine. In 1876 they sent him to Butte to look over mining prospects. On Daly's recommendation the brothers bought the Alice Mine and made Daly superintendent. The Alice became well-known as one of the most lucrative silver mines in the West.

In 1880 Daly sold his interest in the mine for a rumored \$100,000. He then purchased the Anaconda Mine for \$30,000. In 1881 Daly approached the wealthy San Francisco investment partners George Hearst, James Ben-Ali Haggin and Lloyd Tevis for financial backing to develop the Anaconda. The trio bought into the venture and made Daly superintendent. The Anaconda initially produced silver, but Daly soon discovered that the claim contained a wondrously rich deposit of mid-grade copper ore. Daly convinced his reluctant partners to invest more money into the mine and

9. Major Bibliographical References

See continuation sheet

10. Geograph	ical Data	See contin	uations sheets	
Acreage of nominated property	ca. 750 acres			
Quadrangle name <u>Butte No</u>		uth & Anaconda	Quadrangi	e scale <u>1:24,000</u>
JT M References				,
Zone Easting	see continua Northing	tion sheets B Zone	Easting	Northing
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		Flil		
		н		
				
erbal boundary description 3 N; R 10 W sections 4 N; R 10 W 7, 17-1 4 N; R 11 W 2, 3, 4	1, 2, 12, 13 8, 20, 28-29, 34	T 3 N; R 8 W s	sections 12, $\overline{13}$ 20, 21	5 N; R 11 W: sect. 33 , 14, 15, 18, 19, , 22, 23 , 16, 17, 18
ist all states and counties	for properties over	apping state or co	ounty boundaries	
ate N/A	code	county		sheets code
ate	code	county		code
1. Form Pre	and Da			
treet & number P. O. Bo	ox 4113	te	lephone (406) 78	2-2386
ty or town Butte		st	ate Montana	
2. State His	toric Pres	ervation (Officer C	ertification
	·			
e evaluated significance of the			•	
national	state	local		
s the designated State Historic 65), I hereby nominate this procecording to the criteria and pro	perty for inclusion in t	he National Register	and certify that it ha	
tate Historic Preservation Office	cer signature	mulla	Def	
tie	matace	SHPO	νυ date	6-14-60
For NPS use only	11/0000000	3 11190		<u> </u>
I hereby certify that this p	roperty is included in t	he National Register		
Patrick Andre	^	3	date	10/13/88
Keeper of the National Reg	ister			10/190
Attest:			date	
Chief of Registration				
GPO 894-785				

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Property Ownership: B,A & P Historic District

Department of Commerce State of Montana Keith Colbo, Director 1424 9th Ave. Helena, MT 59620 (owner of railroad line)

Montana Mining Properties Laith Reynolds, Manager P.O. Box 605 Butte, MT 59701 (owner of ore loading ramps at Bell Diamond, Badger, Orphan Girl, and other yard facilities)

Montana Resources, Inc. Dennis Washington 600 Shields Butte, MT 59701 (owner of land in Butte and some railroad yard property)

Rarus Railroad
Bill McCarthy
P.O. Box 1070
Anaconda, MT 59711

(owner of railroad yards and buildings along the line in Rocker, Gregson, etc.)

A-l Building Materials Frank Smith Main and Front Streets Anaconda, MT 59711 (owner of two buildings in Anaconda yard)

Bob Koprivica 102 Pintlar Lane Butte, MT 59701 (owner of B,A & P depot and warehouse in Butte)

Anaconda Minerals Bill Williams First Security Building Park St. Anaconda, MT 59711 (owner of parcel of land near Rocker)

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a riveted, Warren pony truss with plate girder deck approach spans supported by stone abutments and composite steel piers, built by the Lassig Bridge and Iron Works of Chicago in 1897. In earlier years, the B.A.&P. had several other tunnels, bridges, and trestles which carried track to the various mines and smelters in Butte and Anaconda, but these have been demolished.

The B.A.&P. once had numerous buildings and other structures on the Butte hill including an electric sub-station, engine shops, section houses, watchmen's shanties, and various facilities for loading ore. However, these too have been demolished. The only buildings which survive in Butte are the depot and the buildings at the west Butte yard. The depot was originally built as separate passenger and freight depots in 1895. It was enlarged with an extension of the east wall of the freight depot linking it to the west wall of the passenger depot in 1898, making the two a single building. The Butte depot is a brick building, 29' x 200', with a hipped roof over the passenger (east) end and a gable roof over the freight (west) end. There is a polygonal bay extension on the south side of the old passenger depot which is original. The exterior of the Butte depot has seen little change since the 1898 enlargement. It is currently used for storage.

The west Butte yard has several wood frame buildings including a hipped roof garage which was moved from elsewhere on the Butte hill in 1976, four sheds, and the section house built in 1925. The section house is a 1-1/2 story house with a gable roof, lapped siding, a full length porch along its east side, 2/2 double hung windows, and a wood foundation.

Rocker is a community about four miles west of Butte. The Rocker yards were built by the B.A.&P. to assemble full length trains from smaller collections of ore cars off the Butte hill for the run to Anaconda. The B.A.&P. once had a roundhouse and other buildings at Rocker. Currently, the only surviving buildings are the Rocker depot, the scale house, a crew shack, and seven other assorted sheds. The Rocker depot is a wood frame structure with novelty siding, a hipped roof, 2/2 double hung windows, and a wood foundation. The scale house is adjacent to a siding which has a scale beneath the tracks. Apparatus for reading the scale is still in place in the scale house, a wood frame building with a gable roof. The crew shack and the other sheds are also wood frame structures.

The Gregson section house is a 1-1/2 story wood frame structure designed and built in the saltbox configuration for the B.A.&P. by the Great Northern in 1893. The section house was removed

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from its original location in 1985 and is no longer included within the boundaries of the proposed historic district. A number of ancillary buildings at Gregson, including the bunkhouse, tool house, and various sheds, do remain to recall the active role this yard played in the historic operation of the Butte, Anaconda and Pacific Railroad.

The east Anaconda yard was built by the B.A.&P. to disassemble full length trains of ore cars into smaller collections of cars so that locomotives could pull them up the steep grade to the adjacent smelter. Buildings at the east Anaconda yard include a scale house (1923), bunk house (1918), the dispatcher's building (1956), and other associated sheds. They are all wood frame. Around the turn of the century, there were additional yards in Anaconda which served the smelter, known as the Old Works, then located on the north side of Warm Springs Creek. These yards were taken up when the Old Works were demolished shortly after 1900.

The former Anaconda depot for the B.A.&P. is currently the store and warehouse for a building supply outlet. It was originally built by the Montana Union RR in 1890. The depot is a brick structure with a hipped roof of wood shingles. On its north side is a polygonal projecting bay with a conical roof. The building sits on an elevated stone foundation (rusticated ashlar granite) and has several large semi-circular arched openings with stone voussoirs which match the foundation. To the east of the depot are two wood frame warehouses curently used for lumber storage.

The general office building of the B.A.&P. is a two story brick structure built in 1897. The original block has rounded corners, ornamental corbelling at the parapet, a central projecting bay on its rear facade, and semi-circular arched openings for the second floor windows. The first addition to the west was designed and built to match the original block. The last addition to the west is a simple brick block with windows only on the west and north side. The exterior of the general office is virtually intact, but the interior has undergone extensive remodeling.

On Anaconda's west side is the main B.A.&P. yard and shop complex, one of the most intact examples of 19th century railroad shop facilities in the western US. The major buildings in this complex are the roundhouse with its turntable, the machine/locomotive repair shop, the blacksmith/boiler shop, and the large main B.A.&P. warehouse. Ancillary buildings include a toilet house, sand house, oil house, paint shop, carpenters', plumbers',

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United States Department of the InteriorNational Park Service

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and electricians' shops, hose houses, the wrecking crane house, and numerous other sheds and shacks. Many of these buildings date from the original construction completed for the B.A.&P. by the Great Northern.

The roundhouse was built in 1893 and enlarged by an additional 10 stalls in 1907. It is of brick bearing wall construction with a timber post and beam system for the supporting of the roof. The roof slopes outward from the center of the roundhouse. The original section is the west half. The east half was built to match the original. The turntable for the roundhouse was fabricated by the Lassig Bridge and Iron Works in 1893 and is intact. The roundhouse has been modified over the years to accommodate the conversion of the B.A.&P. first to electric traction in 1913 and then to diesel power in the 1960s. However, these changes have been relatively minor and the character of the 19th century roundhouse survives.

The blacksmith and boiler shop was built in 1896. It is of brick bearing wall construction with a gable roof. Brick parapets extend above the gable ends and the roof is supported by heavy timber trusses. The building features a pair of louvered cupolas, one over each of the shops, and 24/12 double hung sash in segmental arched brick window openings. A pair of large wood double doors in similar brick arched openings allowed locomotives to enter the boiler shop at the west end of the building. The building is virtually unchanged from its original construction.

The original section of the machine/locomotive repair shop was built in 1896. An addition was constructed in 1907. The original section is very similar to the blacksmith/boiler shop in construction except that it is twice as wide and therefore has a pair of side-by-side gables. Each of these gables has full length roof monitors rather than the vent cupolas. machine shop is housed in the south half of the building and the locomotive repair shop in the north half. At the west end of the machine shop is a small brick extension which used to house the boiler for the complex. The boiler has been removed and the room converted to a welding shop. At the west end of the repair shop are a pair of large double doors similar to those in the boiler shop. The 1907 addition extends eastward from the machine The walls of the addition are of similar construction shop only. but the roof differs from the original with steel trusses rather than wood and with monitors that straddle the roof rather than run along the ridge. There is a small brick, shed roof addition on the east end of the 1907 wing which houses an auto shop and a small wood frame, shed roof addition on the north side of the 1907 wing which houses an electric shop.

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The first section of the main warehouse was built in 1900. It is of timber post and truss construction with lapped siding and a gable roof. It houses the yard office at its east end. It was extended to the west using identical construction in 1914 and extended to the west again using bar joist construction and metal sheathing in 1957.

Besides housing the facilities for the repair and maintenance of locomotives, the main yard and shop complex housed facilities for light and heavy car repair, car painting, bridge and building maintenance, and the wrecking crane. Clusters of buildings for each of these functions may be found throughout the complex, many of which date from the early periods of the railroad's history.

Most of the buildings and right-of-way of the Butte, Anaconda, and Pacific have been maintained in excellent condition. This district represents a valuable and significant national historical resource as well as a valuable local economic resource.

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Item number 6

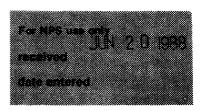
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Representation in Existing Surveys

The Butte Depot, the West Butte buildings are represented in the Inventory of the Butte NHL completed by the Butte Historical Society, 1981-1985. It is a local survey deposited in the Butte-Silver Bow Public Archives, Butte, and the State Historic Preservation Office, Montana Historical Society, Helena.

Two of the BA&P bridges were recorded by the 1979-1981 HAER inventory of historic Montana bridges. A federal survey, it is deposited in the Library of Congress, Washington, DC, and the State Historic Preservation Office, Montana Historical Society, Helena.

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Representation in Existing Surveys	s	
Structures in Anaconda noted in:		
Historic American Engineering Reco Action Team Survey of Anacond SHPO, Montana Historical Society Helena, MT	ord Butte/Anaconda Rehab da. Determined Eligible? <u>X</u> n <u>X</u> federal Date: 1979	
Truss Bridges in Silver Bow Canyor	n recorded in:	
Historic American Engineering Reco SHPO, Montana Historical Society Helena, MT	Determined Eligible ? <u>X</u> ye <u>X</u> federa	
	Date: 1981	
Buildings (but not bridges) in But	te recorded in:	
Butte Historical Society Inventory SHPO Montana Historical Society	of Butte National Historic Landma	ark
Helena, MT	Determined Eligible? X yes	s

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into other potentially rich claims surrounding the Anaconda. The basis for the Anaconda Company to eventually dominate the indusdevelopment of Montana was established.

In order to develop the ore produced from the syndicate's mines, Daly envisioned the construction of a smelting operation near Butte. The Anaconda became the first mine to produce large quantities of copper ore. Normally, Daly shipped high grade ore containing forty-five percent copper to Swansea, Wales for refinement. The rest he stockpiled until it could be smelted locally. Although numerous independent smelters existed in Butte, Daly wanted to build one solely for Anaconda's operations. With it he would control the two basic steps in copper production, mining and smelting, and so give himself an edge over competitors.

For the site of the new smelter Daly chose a location along Warm Springs Creek, 26 miles west of Butte. There, abundant water and timber, which the Butte area lacked, provided an ideal spot for copper smelting. Next to the smelter location Daly planned a townsite development, which he called Anaconda, after The original smelter, later known as the Upper Works, began operation in 1884. Daly opened a second smelter, the Lower Works, in 1889. The two facilities contained the most advanced smelting technology in the world and processed 450 to 500 tons of ore daily, and were the largest nonferrous metallurgical plants In 1900 Daly approved plans for the construction in the world. of a third smelter on a hill southeast of the town. The Washoe Reduction Works, opened in 1902, superceded the old smelters and became the world's largest nonferrous metallurgical plant.

One facet involved in the process of transforming copper ore into a refined state that Daly did not control was the transporting by railroad of the ore from Butte to the smelters in Anaconda. In 1884, the Utah & Northern, a subsidiary of the Union Pacific Railroad, completed a narrow gauge line which connected the Anaconda Mine to the distant smelter. The Utah and Northern, organized by Mormon investors under the leadership of John W. Young, had been the first railroad into Montana, the first train reaching Butte in December of 1881. It linked Butte and Anaconda to the Union Pacific line at a connection in northern Utah.

Immediately following the Utah and Northern advancement into Montana, Northern Pacific track-laying crews entered eastern and western Montana, intent on completing the Congressional mandate to make the NP a transcontinental line. By September of 1883 construction was complete. Instead of competing for markets, in

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early 1882 the Union Pacific and Northern Pacific reached an agreement whereby the NP would stay out of Butte if the UP did not move north of the city. Furthermore, the two railroads pooled their resources and formed the Montana Union Railroad, which ran from Butte to Garrison. Because of the pact between the UP and the NP, freight rates remained high.

Meanwhile, railroad financier James J. Hill planned to bring his St. Paul, Minneapolis and Manitoba Railroad Company into Montana. In 1886 Hill agreed to finance his friend C.A. Broadwater in building the Montana Central Railroad, which would connect Butte and Great Falls to Hill's mainline across northern Montana. In 1887 Hill's railroad reached Great Falls; two years later, in 1889, workmen finished the Montana Central Line. The UP no longer had a monopoly over the Butte market. With the competition of the Montana Central, the UP lowered freight rates 50%, except between the Butte mines and Anaconda smelters. Daly's mining and smelting operations were still at the mercy of the Union Pacific-controlled Montana Union Railroad.

Over the next several years, until 1892, Daly argued with the Montana Union over freight rates. The railroad charged seventy-five cents per ton, which he thought excessive. In 1892 he refused to make any agreement with the Montana Union for more than 50 cents a ton. Relations reached an impasse, so Daly suspended mining and smelting operations and announced that the Anaconda Company would construct its own railroad for hauling ore.

On September 30, 1892, Daly, along with business associates William L. Hoge, M. Kirkpatrick, Judson B. Losse, and William Scallon, incorporated the Butte, Anaconda and Pacific Railway Company (B.A.&P.). "Pacific" denoted Daly's desire to extend the railroad west to the Bitterroot Valley, Missoula, and perhaps the ocean. Daly had no experience in railroad building, so he turned to "Empire Builder" James J. Hill for help. Apparently Daly and Hill were friends, although little is known about their relationship.

When the Montana Central reached Butte, connecting the city with Hill's Great Northern system, Hill told Daly that he wished to provide him with transportation "at rates as will enable you to largely increase your business." Hill provided 49% of the capital stock for the formation of the B.A.&P.. Daly contracted with Hill's Great Northern Railway Company to build the new line. GN engineers oversaw construction of the road and probably designed some of the first facilities, such as the roundhouse, turntable and pit at the Anaconda yards. Local laborers did the

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actual work. Construction spanned a fourteen-month period, from October of 1892 to December 1893. Operation of the B.A.&P. began on December 1, 1893. The main line extended twenty-six miles, between Butte and Anaconda. Branch and spur lines, leading to mines and smelters, totalled an additional fifteen miles. By 1911, trackage belonging to the B.A.&P., including main line branches and spurs, yard tracks and sidings, amounted to 76 miles.

Soon, the B.A.&P. was hauling not only mining and smelting products, but also local agricultural produce, industrial products, and passengers. During its first few years of operation the B.A.&P. secured an integral place in the Anaconda Company's operations, as well as in the local economy and transportation network. In 1899-1906, the line carried over 2,700,000 tons of industrial products, primarily ore. A Montana Bureau of Labor, Agriculture, and Industry report for 1900 stated that the B.A.&P. "can show up more tonnage to the mile the year around than any other railroad in the country." In addition, the B.A.&P. employed a significant number of workers--395 in 1900.

In 1910, in order to keep up with copper production, the B.A.&P. decided to convert from steam power to electricity. characteristics of the B.A.&P. opperation influenced this decision. Engines pulled extremely heavy ore trains up steep, mountainous grades on the Butte hill and at the Washoe smelter, in temperatures that frequently dropped below zero in the wintertime. such conditions, steam engines never ran efficiently enough to maintain a steady rate of operation. In addition, they required large amounts of expensive fuel, usually coal, and had to be serviced and maintained daily. In comparison, engines powered by electricity, also called "motors" or "juice-hogs", were inexpensive and efficient. A stream of electricity ensured that the engine went up and down grades at a constant speed, regardless of weather conditions. Maintenance was also cheap and relatively infrequent. Also, fewer men were needed to operate and care for the machine.

In 1911, after a careful study of the line, the B.A.&P. signed a contract with the General Electric Company for all equipment needed to electrify the railroad, including substation apparatus, catenary system, and 17 locomotives. General Electric engineers proposed a power supply of 2400 volts, D.C., the highest voltage ever applied to an electric railway up to that time, yet necessary for the B.A.&P.'s heavy hauls. Before that the most powerful electric lines ran at 1500 volts.

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Steam railroads most often electrified in order to alleviate the problem of congested air around cities and in tunnels, caused by smoke-belching locomotives. But the B.A.&P., before any other railroad in the United States, electrified for reasons of economy. Electricity simply was cheaper and more efficient than steam. Normally, the process of converting a steam railroad to electricity was an expensive proposition, because of the high cost of materials—such as copper wire—installation, and power.

In the case of the B.A.&P., however, the parent Anaconda Co. supplied copper from its own mines, and the proximity of hydroelectric power sources in Montana offered a cheap and easy source of electricity. John D. Ryan, President of both the B.A.&P. and the Anaconda Company, was at the time marshalling all of the various regional electrity suppliers into the mighty Montana Power Company. Under Ryan's aegis, the B.A.&P. was equipped and converted to electricity and sold inexpensive power.

Construction of the system took place in 1912-13. The move was a success; after electrifying, the B.A.&P. ran more trains in less time over its lines than with steam. The conversion of the B.A.&P. proved to be a test case for other railroads. On the B.A.&P. example, the Canadian Northern Railroad at Montreal switched from steam to electric traction. The Chicago, Milwaukee and St. Paul Railroad watched the B.A.&P. electrification closely, and soon decided to electrify its lines. John D. Ryan, also on the Board of Directors of the CM&St.P, undoubtably played an important role in the decision. The Anaconda Company realized a \$5 million profit in copper wire sold for the CM&St.P electrification. The first section completed in 1915, was from Three Forks to Deer Lodge, a division part of which paralleled the B.A.&P. tracks.

Following the First World War, which marked the peak years of railroad activity in the United States, the B.A.&P., like most railroads, slowly declined. Buses, automobiles and trucks all cut into the railroad's business. Passenger service decreased until the Montana Public Service Commission finally allowed the B.A.&P. to eliminate it altogether in 1955. The opening of the Anaconda Company's Weed Concentrator in Butte also meant that less railroad transportation of ore to the smelter was required. The B.A.&P. introduced diesel-powered locomotives in 1952, the same year it phased out steam engines. In 1967 the railroad discontinued operation of the electrics, and in 1969 removed all electrical apparatus from its lines. Throughout the late 1960s and into the mid-1970s, the B.A.&P. gradually abandoned and removed once important buildings, particularly at the Butte hill and Rocker yards. Finally, in July of 1984, because of mining

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and smelting cessation caused by world copper market conditions, the B.A.&P. filed for abandonment with the Interstate Commerce Commission. The rail line is now owned by the State of Montana and operated by a private, nonprofit corporation called Rarus Railroad. The railroad is an essential component of the Butte-Anaconda Historic Park System, offering freight service between the two cities.

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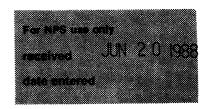
B.A.&P. Boundary Description

The B.A.&P. historic district is comprised of a long, narrow corridor extending from Butte to eight miles west of Anaconda with several "bulges" in that corridor. The corridor is defined as the strip of land ten feet on either side of the center line of the B.A.&P. mainline from Arizona Street in Butte to the West Anaconda yard in Anaconda, plus the Missoula Gulch line from the Badger State Mine in Butte to Rocker, plus the Smelter Line from the East Anaconda yard in Anaconda to the top of Smelter Hill, plus the Quarry Line from the West Anaconda yard to a quarry eight miles west of Anaconda. The "bulges" are the West Butte yard, the Rocker yard, the Gregson yard, the East Anaconda yard, and the West Anaconda yard. Descriptions for each of these follow.

The houndary of the area encompassing the buildings of the West Butte yard begins at a point along the B.A.&P. mainline 150 feet west of Montana Street (C20). From there, it follows a line perpendicular to the mainline 125 feet south-southeast to a point (C19). From there, it follows a line parallel to the mainline 325 feet west-southwest to a point (C18). From there, it follows a line perpendicular to the mainline 125 feet north-northwest to a point on the mainline (C17). From there, it follows the mainline 325 feet back to the point of beginning.

The boundary of the area encompassing the Rocker yard begins about 200 feet east of Bridge B7 on the B.A.&P. mainline at the east switch of the Rocker wye (C24). From there, it follows a line perpendicular to the mainline 180 feet south to a point (C23). From there, it follows a line parallel to the mainline 1850 feet west to a point (C22). From there, it follows a line perpendicular to the mainline 450 feet north to the south bank of Silver Bow Creek (C21). From there, it follows Silver Bow Creek approximately 1200 feet east to Bridge B8 (C26). From there, it follows the west leg of the Rocker wye in a northerly direction about 400 feet to its intersection with the east leg of the Rocker

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wye (C25). From there, it follows the east leg of the Rocker wye in a southerly and easterly direction to the point of beginning.

The boundary of the area encompassing the Gregson yard and its ancillary buildings begins at a point on the east side of Highway 441, 60 feet south of its intersection with the B.A.&P. mainline (Cl4). From there, it follows a line parallel to the mainline 480 feet southeast to a point (Cl5). From there, it follows a line perpendicular to the mainline 180 feet northeast to a point (Cl6). From there, it follows a line parallel to the mainline 570 feet northwest to the east side of Highway 441 (Cl3). From there, it follows the east side of Highway 441 south to the point of beginning.

The boundary of the area encompassing the East Anaconda yard begins at a point 70 feet north of the bridge which carries the B.A.&P. mainline over the Smelter Hill access road (Cl2). From there, it follows a line parallel to the mainline 3160 feet west-northwest to a point (C9). From there, it follows a line perpendicular to the mainline 300 feet south-southwest to a point (Cl0). From there, it follows a line parallel to the mainline 3160 feet east-southeast to a point (Cl1). From there, it follows a line perpendicular to the mainline 300 feet north-northeast to the point of beginning.

The boundary of the area encompassing the West Anaconda yard begins at a point at the northwest corner of Park and Spruce (C5). From there, it follows the east side of Spruce 410 feet northeast to the north side of Commercial Avenue (C6). From there, it follows a line perpendicular to the B.A.&P. mainline 330 feet north-northeast to a point along the fence enclosure (C7). there, it follows the fence line 370 feet northwest to a fence From there, it follows the fence line 1330 feet corner (C8). west to a point (Cl). From there it follows a line perpendicular to the mainline 350 feet south-southwest to the opposite fence enclosure (C2). From there, it follows the fence line 350 feet east-southeast to a fence corner (C3). From there, it follows the fence line 170 feet south-southwest to a fence corner at Park Avenue (C4). From there, it follows the fence line 1090 feet along the north side of Park to the pont of beginning.

In addition to the above-described "bulges," there are several other significant resources along or directly adjacent to the B.A.&P. lines which occupy parcels of less than one acre. These include bridges and buildings. UTM's for these resources are listed below along with UTM's for the "bulges."

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ontinuation sheet	Item number 10	Page 3
UTM's (all Zone 12)		
	Easting	Northing
WEST ANACONDA YARD		
Cl	348,050	5,110,550
C2	348,000	5,110,450
C3	348,100	5,110,450
C4	348,100	5,110,350
C5	348,350	5,110,300
C <u>6</u>	348,450	5,100,350
C7	348,500	5,100,450
C8	348,400	5,100,550
EAST ANACONDA YARD		
C9	350,750	5,108,400
C10	350 , 700	5,108,250
C11	351,800	5,108,900
C12	351,850	5,109,050
GREGSON SECTION HOUSE		
C13	360,100	5,600,800
C14	360,050	5 ,6 00 , 750
C15	360 , 250	5,600,600
C16	360,300	5,600,650
WEST BUTTE YARD		
C17	380,750	5,095,200
C18	380 , 750	5,095,150
C19	380 , 850	5,095,200
C20	380,850	5,095,250
ROCKER YARD		
C21	375,200	5,095,600
C22	375,200	5,095,400
C23	375,800	5,095,300
C24	375 , 800	5,095,350
C25	375 , 700	5,095,450
C26	375,650	5,095,400

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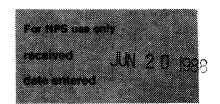
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Following are UTM's for spot resources along the B.A.&P. right-of-way.

	Easting	Northing
BRIDGES		
B1 B2 B3 B4 B5 B6 B7 B8 B9 B10 B11 B12 B13 B14 B15 B16 B17 B18 B19 B20 B21 B22 B23 B24	381,500 381,500 380,200 381,150 377,900 376,000 375,700 375,700 375,250 374,150 371,400 370,500 368,400 366,250 364,650 364,650 364,650 364,650 364,650 363,450 362,600 361,500 354,850 352,200 352,300 346,200	5,095,450 5,095,450 5,095,300 5,095,300 5,095,350 5,095,350 5,095,350 5,095,450 5,095,450 5,095,450 5,095,550 5,095,750 5,095,800 5,096,500
B25 B26 B27 B28 B29 B30	346,200 380,350 381,600 380,850 381,150 381,200	5,111,600 5,096,950 5,097,000 5,097,000 5,097,100 5,097,250
SIGNIFICANT BUILDINGS		
BDl (Butte Depot)	381,600	5,095,550
Al (Montana Union Depot)	349,300	5,110,300
A3 (General Office)	349,000	5,110,300

Approximate Acreage for the BA&P Historic District:

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Continuation sheet	Item number 10	Page 5
Miscellaneous Structures	Easting	Northing
M1 M2 M3 M4 M5 M6 M7 M8	380,750 379,900 378,450 379,350 380,250 380,250 382,000 382,400 381,650	5,095,050 5,094,950 5,096,000 5,095,000 5,096,900 5,096,900 5,097,000 5,098,000 5,097,150
WB7	380,450	5,095,050
Dl	361,450	5,097,750
SLl	353,300	5,106,350
Other significant points along the right-of-	way	
Western Terminus (point R)	340,780	5,114,560
Line leaves West Valley Quad for Anaconda Quad (point S)	345,520	5,111,100
Line leaves Anaconda Quad for Butte North Quad (point B17)	364,650	5,096,500
Line leaves Butte North Quad for Butte South Quad (point T) (point U)	378,150 380,150	5,094,050 5,094,050
Eastern Terminus (point BDI)	381,600	5,095,550
Northern Terminus (point M8)	382,400	5,098,000
USGS quadrangles:	Scale	
Butte South Butte North Anaconda West Valley	1:62,500 1:62,500 1:62,500 1:24,000	!

75Ø

Butte, Anaconda and Pacific Railway Historic District List of Buildings, Structures and Sites

Inv.	Name	Location	<u>Date</u>	<u>Materials</u>	Status	Photo
D7	B,A,&P Rwy. Line	Butte to Anaconda	1895	steel track, wood ties	p	Number
BDl	B, A, & P Rwy. Depot	Utah Ave., Butte	1895	1 story brick	g	#22
BD2	B, A, &P Warehouse	Utah Ave., Butte	1895	l story brick	C	
Ml	Cantenary Tower	1003 S. Montana, Butte	c.1917	steel truss to	wer c	
M2	Cantenary Bridge	3/4 mi W of 1003 S. Montana, Butte	c.1917	truss signal b	ridge c	
МЗ	Ore Loader (Orphan Girl)	Butte	c.1960	timber frame r	•	
M4	Waite Oil Co. Pump House		c.1925	1 story wood f	rame c	
M5	·)near Anselmo Mine, Butte		timber frame platform	nc	
M6)near Anselmo Mine, Butte		timber frame platform	nc	
М8	Ore loader (Speculator)	near Speculator Mine, Butte	c.1945	timber frame platform	nc	
м9	Ore loader (Kelly)	near Kelly Mine, Butte	c.1945	timber frame platform	nc	
WB1	West Butte Section House	Montana Street, Butte	c.1925	1 1/2 story wo frame	od c	·
WB2	West Butte Yard Wood Shed	Montana Street, Butte	c.1915	1 story wood f	rame c	
WB3	West Butte Yard Bunk House	Montana Street, Butte	c.1915	1 story wood f	rame c	#20
WB4	West Butte Yard Tool House	Montana Street, Butte	c.1900	1 story wood f	rame c	#21
WB5	West Butte Yard Shed	Montana Street, Butte	c.1915	1 story wood f	rame c	#21
WB6	Butte Hill Garage	Montana Street, Butte	c.1925 (moved)	1 story wood f	rame nc	
WB7	Ore loader (West Butte)	West Butte Yards	c.1925	timber frame platform	C	
Bl	Line Bridge	Nevada Street, Butte	1907	plate girder	С	#26
B2	Nevada Street NP connection bridge	Nevada Street, Butte	1907	plate girder	С	
B3	Colorado Alley Bridge	Colorado Alley, Butte	1902	timber stringe	r c	
B4	Colorado Street Bridge	Colorado Street, Butte	1901	Plate girder	C	
B5	Whiskey Gulch Bridge	Mile Post 2.46 between Rocker & Butte	1942	timber stringe	r nc	
B6	_	Mile Post .34 @ Missoula Gulch	1936	plate girder	С	#25
В7	Silver Bow Creek Bridge	near Rocker	1939	timber stringe	r nc	

Inv.						
<u>.</u>	Name	Location	<u>Date</u>	Materials Stat	us	Photo Number
В8	Silver Bow Creek Bridge	West leg of track near Rocker	1943	timber stringer	nc	
B9	Auto bridge	Rocker Yard	c.1925	timber pile	C	
B1Ø	Silver Bow Creek Bridge	Mile Post 4.81, West Rocker	1939	timber stringer	nc	
B11	Silver Bow Creek Trestle	Mile Post 6.56	1941	timber stringer	nc	
B12	BAP Trestle	Mile Post 7.13, East of Ramsay	1938	timber stringer	С	
B13	Brown's Gulch Creek Bridge		1939	timber stringer	nc	
B14		Mile Post 9.54, East of Miles x-ing	1939	timber stringer	nc	
B15	BAP Bridge	Mile Post 9.93	1938	timber stringer	С	
	Bridge over	Mile Post 10.97	1913	plate girder	C	
B17	Milwaukee RR line Silver Bow Creek	Mile Post 11.02	1897	Warren pony truss	С	#24
	Bridge			• •	_	— -
	Silver Bow Creek Bridge	Mile Post 11.87	1897	plate girder	С	
B19	Silver Bow Creek Bridge	Mile Post 12.48	1908	plate girder	С	#23
B2Ø	German Gulch Creek Bridge	Mile Post 13.68	1938	timber stringer	С	
	Willow Creek Bridge		1938	timber stringer	C	
	Mill Creek Bridge		c.1938	timber stringer	C	
B23	Smelter Line Trestle	SW of Silica	c.1938	timber stringer	С	
B24	Smelter Line Trestle	SW of Silica	c.1938	timber stringer	С	
B25	Trestle on Quarry Line	Mile Post 2.10 on Quarry Line	1943	timber stringer	nc	
B27	Lava St. Bridge	over Lava St., Butte	1942	timber stringer	nc	
B28	Montana St. Bridge	under Montana St., Butte	1961		nc	
B29	Main Street Tunnel	under Main St., Butte	c.1898	timber/concrete	C	
B3Ø	Main Street Bridge	under N. Main St., Butte	1945	timber stringer	nc	
Rl	BAP Rocker Depot	south edge of Rocker	c.1920	1 story wood frame	р	#18
R2	Rocker Hand Car & Tool House	south edge of Rocker	1902	1 story wood frame	C	
R3	Rocker Scale House	south edge of Rocker	c.1938	1 story wood frame	С	#19
R4	Rocker Sand House	south edge of Rocker	c.1938	1 story wood frame	C	
R5	Rocker Storage Shed	south edge of Rocker	c.1938	1 story wood frame	C	
R6	Rocker Garage	south edge of Rocker	c.1938	1 story wood frame	C	
R7	Rocker Tool Shed	south edge of Rocker	c.1938	1 story wood frame	C	
R8	Rocker Tool & Storage Shed	south edge of Rocker	c.1938	1 story wood frame	С	
R9	Rocker Bunk House	south edge of Rocker	c.1938	1 story wood frame	С	
R1Ø		south edge of Rocker	c.1905	concrete foundation		
Rll	Rocker Tramway	south edge of Rocker	c.1925	timber frame	С	

tramway

Inv.				traliway		
<u>‡</u>	Name	Location	Date	Materials State	tus	Photo Number
Dl	Durant Depot Foundation	Durant	c.1900	concrete foundation	n nc	.,
G2	Gregson Out House	1/4 mi. N of Fairmont Hot Springs	c.1920	1 story wood frame	С	
G3	Gregson Bunkhouse	<pre>1/4 mi. N of Fairmont Hot Springs</pre>	1906	1 story wood frame	С	#17
G4	Gregson Hand Car & Tool House	<pre>1/4 mi. N of Fairmont Hot Springs</pre>	1893	1 story wood frame		
G5	Gregson Shed	<pre>1/4 mi. N of Fairmont Hot Springs</pre>	c.1920	1 story wood frame		
G6	Gregson Shed	1/4 mi. N of Fairmont Hot Springs	c.1920	1 story wood frame		
G7	Gregson Water Supply Pump House	1/4 mi. N of Fairmont Hot Springs	1940	1 story wood frame	nc	
SLl	Smelter Line Switchman's Shanty	near Silica	c.1910	1 story wood frame	С	
EAl	Dispatcher's Building	E. Anaconda Yard	1956	2 story CMU	nc	
EA2	Track Scale & House	E. Anaconda Yard	1922	1 story wood frame		#36
EA3	Bunkhouse	E. Anaconda Yard	1918	1 story wood frame		#15
	Washer House	E. Anaconda Yard	c.1923	1 story wood frame		
EA5	Air Compressor Shed		c.1900	1 story wood frame		
EA6	Compressed Air Tank Shed		c.1900	1 story wood frame		
EA7	Hand Car & Tool Shed	E. Anaconda Yard	1902	1 story wood frame		
EA8 EA9	Yard Master's Office Shed	E. Anaconda Yard	1942	l story wood frame		
		E. Anaconda Yard	c.1918	1 story wood frame		#14
Al	Montana Union RR Depot	Main & Front Sts., Anaconda Main & Front Stg., moved	1889	l story brick	C	#1,#8
A2 (a)	Warehouse	Main & Front Sts., moved Anaconda Main & Front Sts. moved		1 story wood frame		# T / 110
	Shed	Main & Front Sts., moved Anaconda 200 Wost Commercial No.		1 story wood frame		"12
A3		300 West Commercial Ave. Anaconda		2 story brick	p -	#13
A4	BAP Round House	900 West Commercial Ave. Anaconda			p -	#4
A5		900 West Commercial Ave. Anaconda			g	#1,#2,#3
A6		900 West Commercial Ave. Anaconda		1 1/2 story brick	_	#1,#5,#6
A7	BAP Blacksmith/ Boiler Shop	900 West Commercial Ave. Anaconda	T 9AP	1 1/2 story brick	þ	#7

Inv.								
1	Name	Location		Date	<u>Materials</u>	Stat	us	Photo Number
A8	BAP Store House & Office	900 West Commercial Anaconda	Ave.	1900,1914	post and beam		g	7,01.00
A9	BAP Welding Bldg.	900 West Commercial Anaconda	Ave.	1925	1 story wood f	rame	С	
A10	BAP Shop Toilet	900 West Commercial Anaconda	Ave.	1909	l story brick		С	
All	BAP Oil House	900 West Commercial Anaconda	Ave.	1906	1 story brick		С	
A12	BAP Wrecking Crane	900 West Commercial Anaconda	Ave.	1910	1 story brick		С	#11
A13	BAP Sand House	900 West Commercial Anaconda	Ave.	1893	l story brick		С	#9
A14	BAP Coal Dock	900 West Commercial Anaconda	Ave.	1893	timber trestle		C	#10
A15	Paint Shop	900 West Commercial Anaconda	Ave.	1911	l story brick		С	
Al6	Yard Office	900 West Commercial Anaconda	Ave.	1957 (moved)	1 story wood f	rame 1	nc	
A17	Acetylene Generator Building	900 West Commercial Anaconda	Ave.	1918	1 story wood f	rame	С	
A18	Acetylene & Oxygen Storage Bldg.		Ave.	1930	1 story wood f	rame	C	
A19		900 West Commercial Anaconda	Ave.	1918	1 story wood f	rame	С	
A20	Hose House	900 West Commercial Anaconda	Ave.	c.1902	1 story wood f	rame	С	
A21	Gasoline House	900 West Commercial Anaconda	Ave.	c.1922	1 story wood f	rame	С	
A22	Diesel Tanks	900 West Commercial Anaconda	Ave.	1957,1967	steel tanks	ı	nc	
A23	Pumphouse	900 West Commercial Anaconda			1 story wood f			
	Brass Storage Shed	Anaconda			1 story wood f			
	Storage Parts Structure	900 West Commercial Anaconda			1 story wood f			
	Dawson Substation	900 West Commercial Anaconda			1 story wood f			
	Bridges & Bldg. Carpenters Shop	900 West Commercial Anaconda			1 story wood f			
	Bridges & Bldg. Paint Shop	900 West Commercial Anaconda			1 story wood f	rame	С	
A29	Bridges & Bldg. Lumber Shed	900 West Commercial Anaconda	Ave.	1930	1 story wood f	rame	С	
A3Ø	Bridges & Bldg. Lumber Shed	900 West Commercial Anaconda	Ave.	1930	1 story wood f	rame	С	
A31	Bridges & Bldg. Truck Garage	900 West Commercial Anaconda	Ave.	1938	l story wood f	rame	С	
A32		900 West Commercial Anaconda	Ave.	c.1930	l story wood f	rame	С	#12

Inv.	<u>Name</u>	Location	Da	ate M	terials	Statu	15
A33	Bridges & Bldg. Fire House	900 West Commercial Anaconda	Ave. c.	.1900 1	story wood	frame	С
A34	Bridges & Bldg. Tool House	900 West Commercial Anaconda	Ave. c.	.1925 1	story wood	frame	С
A35	Bridges & Bldg. Carpentry Tool	900 West Commercial Shed Anaconda	Ave. c.	1925 1	story wood	frame	С
A36	Bridges & Bldg. Cement Shed	900 West Commercial Anaconda	Ave. c.	1925 1	story wood	frame	С
A37	Bridges & Bldg. Cement Shed	900 West Commercial Anaconda	Ave. c.	1925 1	story wood	frame	С
A38	Bridges & Bldg. Shed	900 West Commercial Anaconda	Ave. c.	1930 1	story wood	frame	С
A39	Bridges & Bldg. Shed	900 West Commercial Anaconda	Ave. c.	1930 1	story wood	frame	С

	Contributing	Noncontributing
Buildings Structures Sites	51 34 2	7 21 Ø
TOTAL	- 87	28

