



COLORADO
Department of Transportation
Division of Transportation Development

Environmental Programs Branch
2829 W. Howard Place
Denver, CO 80204-2305

TO: Shannon Ford

FROM: F. Nicole Peavey

DATE: 3 September 2020

RE: Paleontological assessment for Project FBR R200-267 Region 2 Bridges Bundle Grant Part 2

SA: 23559

Project FBR R200-267, for Region 2 Bridges Bundle Grant, Part 2, located at 5 discrete locations in Park, Las Animas, El Paso, and Otero counties, will not require on-the-ground reconnaissance for paleontological resources.

According to the best available geologic map of each project area:

Bridge Number	Hwy	MP	County	Geology	PFYC
O-19-D	350	10.289	Las Animas	Kn - Cretaceous Niobrara Formation	3
M-21-I	350	56.454	Otero	Qa1 - Holocene alluvium	2
I-13-H	24	229.468	Park	Qa1 - Holocene alluvium	2
I-17-X	24	295.45	El Paso	Ypp - Precambrian Pikes Peak Granite	1
P-19-G Minor	239	1.74	Las Animas	Kp - Cretaceous Pierre Shale	3

Potential Fossil Yield Classification, or PFYC, is a designation of a geological unit's paleontological sensitivity, and ranges from very low (PFYC 1) to very high (PFYC 5). Units designated PFYC 3 or above often require varying degrees of survey or monitoring; however, in this case, the only PFYC 3 units identified were on large-scale maps where less sensitive surficial deposits may have been removed. Additionally, no PFYC 4 or 5 units were identified in the project area.

Furthermore, I know of no previously recorded fossil localities within the proposed project limits. As a result, paleontological clearance with no attached mitigation stipulations is recommended for project FBR R200-267. As always, if paleontological resources are uncovered during project construction, work in the immediate area of the find should cease, and I should be notified as soon as possible per Section 107.23 of the Standard Specifications.



Geologic Map References

- Johnson, R.B., 1969, Geologic map of the Trinidad quadrangle, south-central Colorado: U.S. Geological Survey, Miscellaneous Geologic Investigations Map I-558, scale 1:250,000.
- Kirkham, R.M., Houck, K.J., Carroll, C.J., and Heberton-Morimoto, A.D., 2012, Antero Reservoir Geologic Map, Park and Chaffee Counties, Colorado: Colorado Geological Survey, Open-File Report OF-12-01, scale 1:24,000.
- Morgan, M.L., Siddow, C.S., Rowley, P.D., Temple, J., Keller, J.W., Archuleta, B.H., and Himmelreich, J.W., 2004, Geologic Map of the Cascade Quadrangle, El Paso County, Colorado: Colorado Geological Survey, Open-File Report OF03-18, scale 1:24,000.
- Scott, G.R., 1968, Geologic and structure contour map of the La Junta quadrangle, Colorado and Kansas: U.S. Geological Survey, Miscellaneous Geologic Investigations Map I-560, scale 1:250,000.

