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Description of document: Federal Aviation Administration (FAA) Office of Security & Hazardous Materials Safety (ASH) Roadmap to Migrate legacy applications to the FAA Cloud 2000

Requested date: 16-November-2022

Release date: 11-April-2023

Posted date: 29-January-2024

Source of document: FOIA Request
National Freedom of Information Act Office, AFN-400
Federal Aviation Administration
800 Independence Avenue, SW
Washington, DC 20591
Fax: (202) 267-6514
[Online Electronic FOIA Request](#)

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U.S. Department
of Transportation
**Federal Aviation
Administration**

800 Independence Ave, SW
Washington, DC 20591

April 6, 2023

Subject: Freedom of Information Act (FOIA) Request 2023-00907

This letter is in response to your Federal Aviation Administration (FAA) FOIA Request 2023-00907, submitted on October 27, 2022, in which you requested the following:

“A copy of the ASH roadmap to migrate legacy (information technology and database) applications to the FAA cloud. For reference, ASH is the Office of Security and Hazardous Materials Safety at the FAA.”

The Security and Hazardous Materials Safety, Office of Business and Mission Services (AXM) conducted an electronic search and located a record responsive to your request.

The FAA is disclosing the 28 page ASH Cloud Roadmap. This information would normally be withheld under Exemption 5 of the FOIA, which protects “inter-agency memoranda or letters which would not be available by law to a party in litigation with the agency.” However, portions of the record have been redacted and is being withheld from disclosure under Exemptions 5 and 6 of the FOIA.

Exemption 5 of the FOIA allows agencies to withhold recommendations, opinions, and analysis under the deliberative process privilege. The records contain start and finish dates and names of software that are under consideration by the FAA. To allow release of these records would discourage the open and frank discussions between agency employees that are helpful in determining the acquisition of products and services and also create confusion in those cases where recommendations and opinions are not adopted.

Exemption 6 of the FOIA protects information that pertains to an individual “the disclosure of which would constitute a clearly unwarranted invasion of personal privacy.” 5 U.S.C. 552(b)(6). In this particular case, we have redacted employee names. When applying Exemption 6, the FAA weighs the privacy interest of an individual against any public interest in the records. Since no public interest was provided, we find that the privacy interest of another employee outweighs the public interest in the records.

The undersigned is responsible for this partial denial. You may request reconsideration of this determination by writing the Assistant Administrator for Finance and Management (AFN-400), Federal Aviation Administration, 800 Independence Avenue. SW,

Washington, DC, 20591 or through electronic mail at: FOIA-Appeals@faa.gov. Your request for reconsideration must be made in writing within 90 days from the date of this letter and must include all information and arguments relied upon. Your letter must state that it is an appeal from the above-described denial of a request made under the FOIA. The envelope containing the appeal should be marked "FOIA Appeal."

You have the right to seek dispute resolution services from the FAA FOIA Public Liaison via phone (202-267-7799) or email (9-AFN-FOIA-Public-Liaison@faa.gov) noting FOIA Public Liaison in the Subject or the Office of Government Information Services (<https://ogis.archives.gov>) via phone (202-741-5770 / toll-free--1-877-684-6448; fax--202-741-5769); or email (ogis@nara.gov).

Sincerely,

TONYA DAWN COULTAS

Digitally signed by TONYA
DAWN COULTAS
Date: 2023.04.06 17:39:29
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Tonya D. Coultas
Acting Associate Administrator
Security and Hazardous Materials Safety

Enclosure




















ID		Task Mode	Task Name	Duration	Start	Finish
1			ASH Cloud Migration	662.6 days?	(b) (5)	(b) (5)
2			Initiation	137 days		
12			Sharepoint - Sharepoint Online	140.2 days		
44			Phase 1 - DevOps Training	161 days		
54			Development Tool Automation	2.5 days?		
55			Form tiger team to review tools and automation	0.5 days		
56			Implement DevOps tool chain for EWP Apps	1 day?		
57			Implement DevOps tool chain for App	1 day?		
58			Infrastructure Build Out (non DevOps)	16 days		
59			Create AD environment in Cloud	10 days		
60			Create (b) (5) server	1 day		
61			Create (b) (5) & DLP Server	3 days		
62			Establish AWS patch management tools	10 days		
63			Create (b) (5) Server	5 days		
64			Create (b) (5) Server	3 days		
65			Phase 2 - Infrastructure Build Out (non DevOps) Complete	0 days		
66			DevOps Development	131 days		
67			Create / Tweak server base image to suit ASH needs	1 day		
68			Create / Tweak IIS playbook	1 day		
69			Create / Tweak MyAccess Playbook	1 day		
70			Playbooks and Server Image ready	0 days		
71			Test deployment using DevOps tool chain for server image	10 days		

Project: ASH Cloud Roadmap
Date: Thu 4/23/20

Task		Inactive Summary		External Tasks	
Split		Manual Task		External Milestone	
Milestone		Duration-only		Deadline	
Summary		Manual Summary Rollup		Progress	
Project Summary		Manual Summary		Manual Progress	
Inactive Task		Start-only			
Inactive Milestone		Finish-only			

ID		Task Mode	Task Name	Duration	Start	Finish
72			Redevelop as needed	10 days	(b) (5)	(b) (5)
73			Test deployment using DevOps tool chain for server+IIS	15 days		
74			Redevelop as needed	10 days		
75			Test deployment using DevOps tool chain for server+IIS+MyAccess	20 days		
76			Redevelop as needed	10 days		
77			DevOps Tools are being utilized	0 days		
78			Develop patch management automation	20 days		
79			Automaged patch management is being utalized	0 days		
80			DB Validation	25 days		
81			EWP External Web Portals Database Validation	12 days		
85			on-Prem to AWS Replication Database Validation	18 days		
86			Create on-prem for replication validation	2 days		
87			Create AWS DB's for replication validation	3 days		
88			Test DB bidirectional replication between AWS and on-pre	10 days		
89			Test DB bidirectional replication between AWS AZ 1 and A3	3 days		
90			Document DB/Tables needed to replicate for Portals and DMZ migration	3 days		
91			SQL DB replication validated	0 days		
92			Proof of Concept	134.2 days		
93			CVS (Dialogic)	134.2 days		
94			Research AWS offerings to match existing services	10 days		































Project: ASH Cloud Roadmap
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Inactive Task		Start-only			
Inactive Milestone		Finish-only			

ID		Task Mode	Task Name	Duration	Start	Finish
					(b) (5)	
118			Create (b) (5) server	1 day		(b) (5)
119			Create (b) (5) & DLP Server	3 days		
120			Establish AWS patch management tools	10 days		
121			Create (b) (5) Server	5 days		
122			Create (b) (5) Server	3 days		
123			Infrastructure Build Out (non DevOps) Complete in GovCloud	0 days		
124			EWP External Web Portals	140.5 days		
125			Define IP Addresses for EWP external systems	5 days		
126			Request external access for VM	25 days		
127			ASH Web Portals (AWP), ITS, CMS DB Establishment	7.1 days		
128			Dev	3 days		
129			Create DB server	2 days		
130			Establish DB Replication with on-prem DB's - DMZ	1 day		
131			AWP Prod DB Established for DMZ Apps	0 days		
132			Test	3 days		
133			Create DB server	2 days		
134			Establish DB Replication with on-prem DB's - DMZ	1 day		
135			AWP Prod DB Established for DMZ Apps	0 days		
136			Prod	1.1 days		
137			Create DB server	0.1 days		
138			Establish DB Replication with on-prem DB's - DMZ	1 day		
139			AWP Prod DB Established for DMZ Apps	0 days		
140			PAD (BigBox) DB Establishment	9.1 days		

Project: ASH Cloud Roadmap
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ID		Task Mode	Task Name	Duration	Start	Finish
141			Create DB	2 days	(b) (5)	(b) (5)
142			Replicate BigBox data to AWS	4 days		
143			Create security groups to allow access to server	1 day		
144			Verify connectivity	2 days		
145			Cut over DNS to new system	0.1 days		
146			BigBox is in AWS	0 days		
147			PAD External User connections migration	35.1 days		
148			Contact PAD customers and verify connectivity (IP vs DNS	10 days		
149			Have customers test against AWS PAD	10 days		
150			Modify IP customers to DNS	15 days		
151			Migrate DNS to point to AWS PAD	0.1 days		
152			PIV.FAA.GOV web server	15.8 days		
153			Request AIT to host this content	0.3 days		
154			Send content to AIT and validate	15 days		
155			Change DNS	0.5 days		
156			Go Live	0 days		
157			Customer Service (CS) Survey	15.1 days		
158			Dev	3.7 days		
159			Create DMZ infrastructure	1 day		
160			Configure web content	0.25 days		
161			Transfer database	0.1 days		
162			Create DNS for Dev	0.1 days		
163			Test	0.5 days		








Project: ASH Cloud Roadmap




















Date: Thu 4/23/20

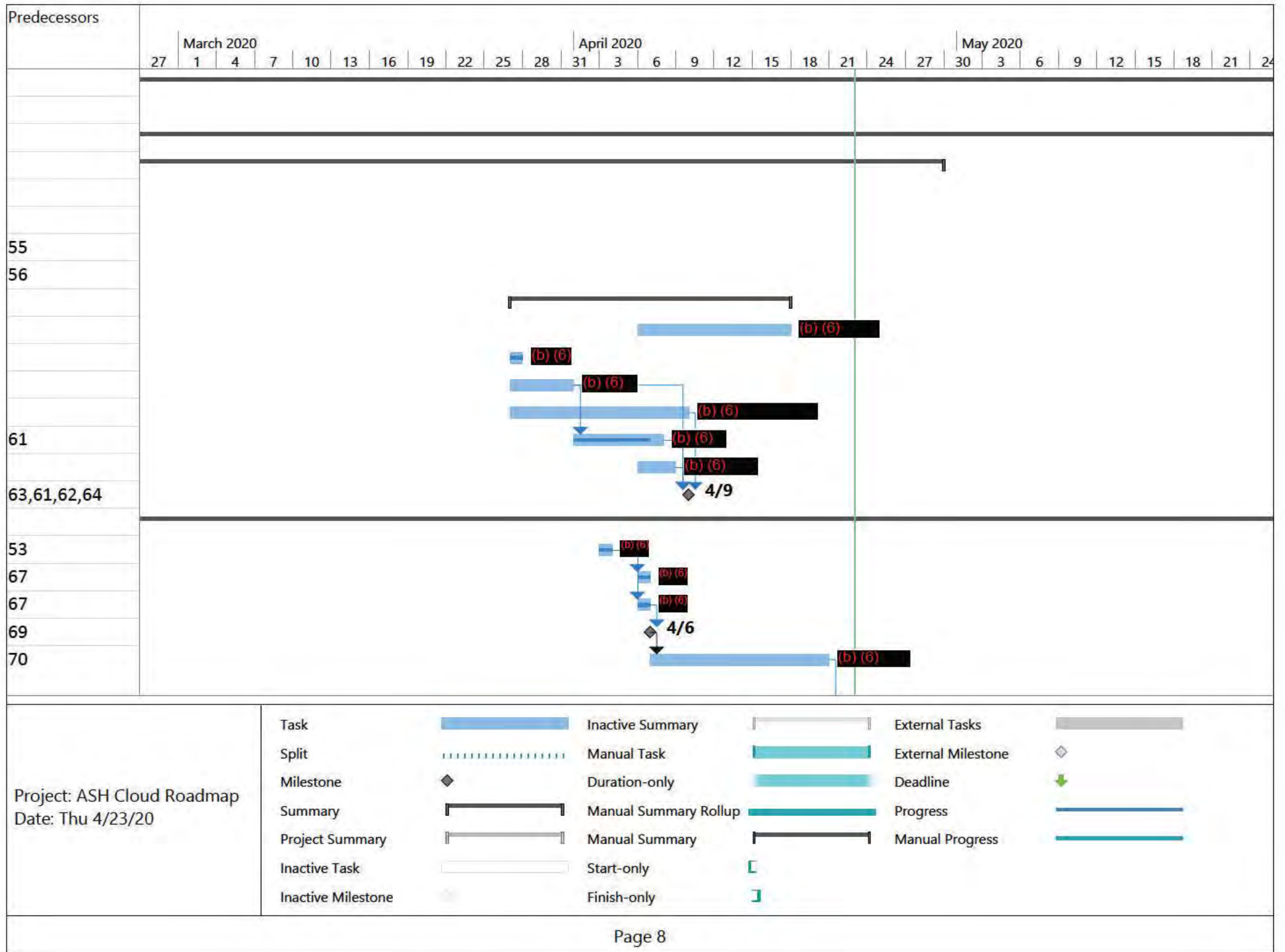
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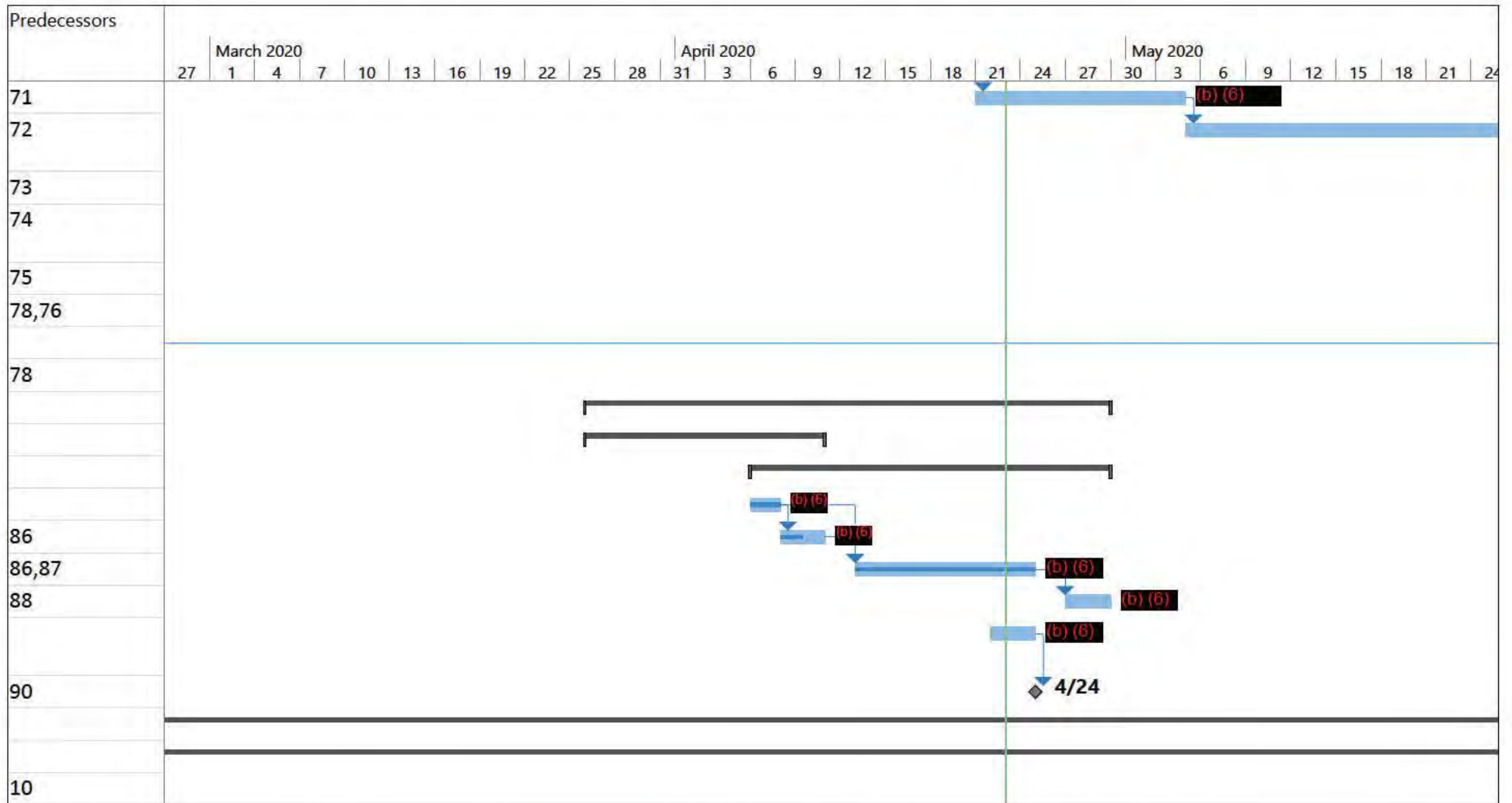
ID		Task Mode	Task Name	Duration	(b) (5)	Finish
164			Customer Service (CS) Survey Complete	0 days		
165			Test	2.5 days		
166			Create DMZ infrastructure	0.25 days		
167			Configure web content	0.25 days		
168			Transfer database	0.1 days		
169			Create DNS for Dev	0.1 days		
170			Customer Service (CS) Survey Complete	0 days		
171			Prod	8.9 days		
178			Security Awareness Virtual Initiative (SAVI) Course	15.5 days		
198			ASH Classified National Security Information (CNSI) Course	18.15 days		
218			FAA Insider threat Program and Reacting to an Active Shooter Event Course	20.8 days		
238			International Visitor Program (IVP)	23.45 days		
258			Vendor Access Portal (VAP)	36.45 days		
311			Remaining Infrastructure (non DevOps)	28.7 days		
312			Splunk	21.1 days		
320			TrackIT	7.6 days		
321			Create Security Group for TrackIT	0.5 days		
322			Create TrackIT Server (non DevOps)	2 days		
323			Migrate existing TrackIT info	3 days		
324			Test	2 days		
325			Change DNS	0.1 days		
326			TrackIT Complete	0 days		

Project: ASH Cloud Roadmap Date: Thu 4/23/20	Task		Inactive Summary		External Tasks	
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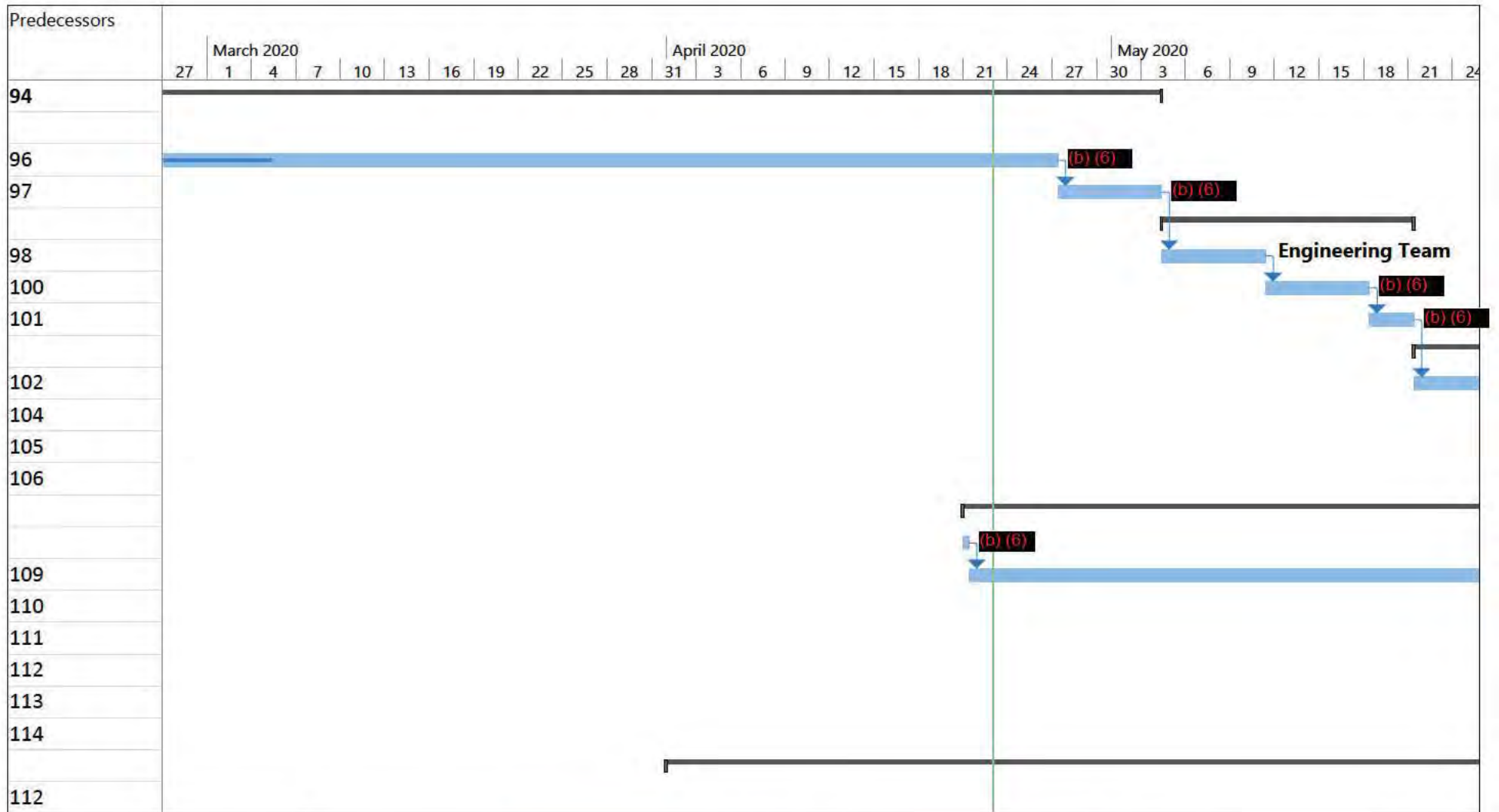
ID		Task Mode	Task Name	Duration	Start	Finish
					(b) (5)	
327			AWP Ash Web Portals	325.6 days		(b) (5)
366			CMS DB - Partial migration	1 day?		
367			ITS	40.4 days		
413			CMS DB - Full Migration	1 day?		
414			IDMS Custom Applications	40.2 days		
454			IDMS MyID	598.6 days?		
526						
529						
530						
531			ITLV	160.7 days		

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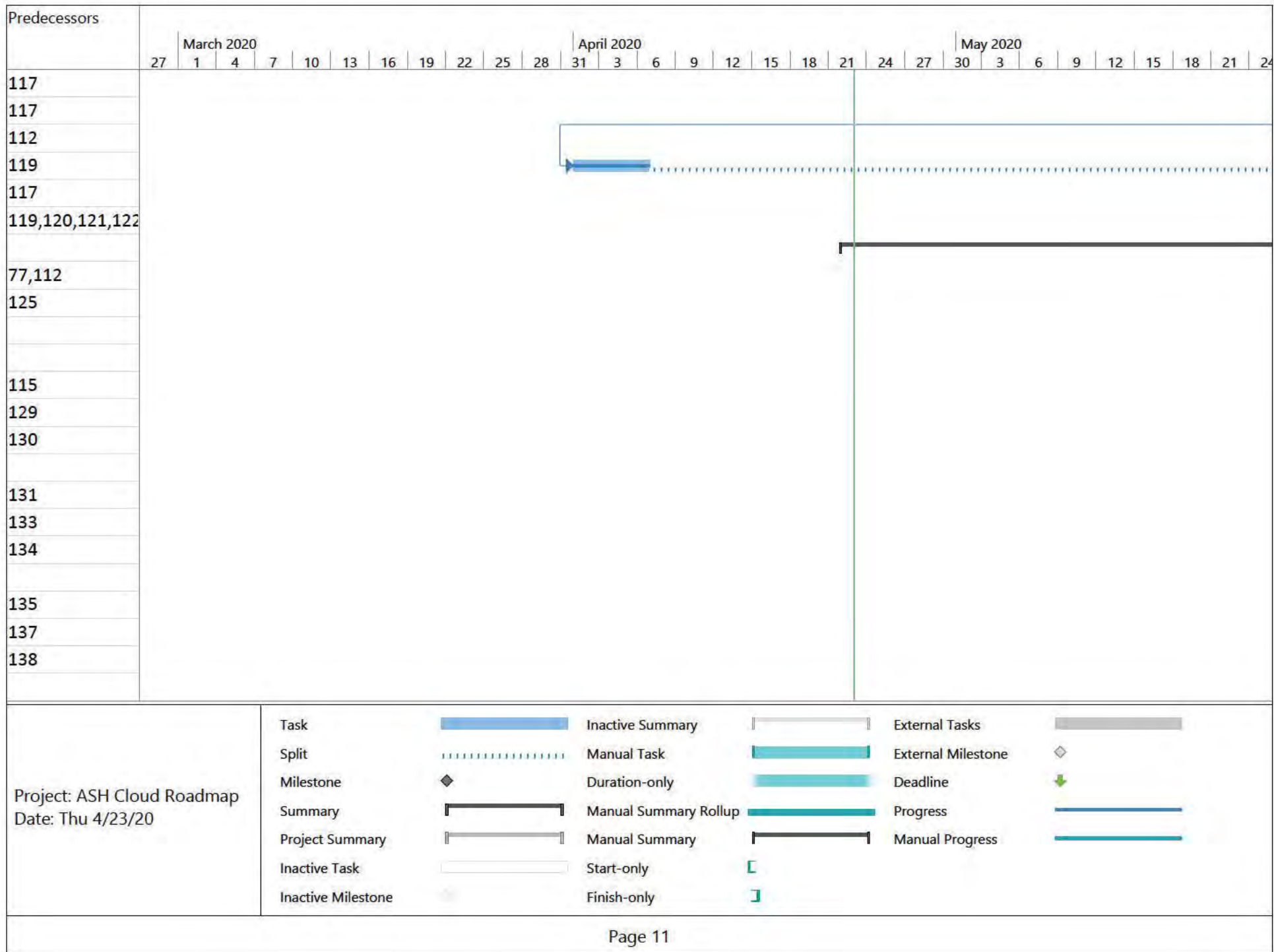


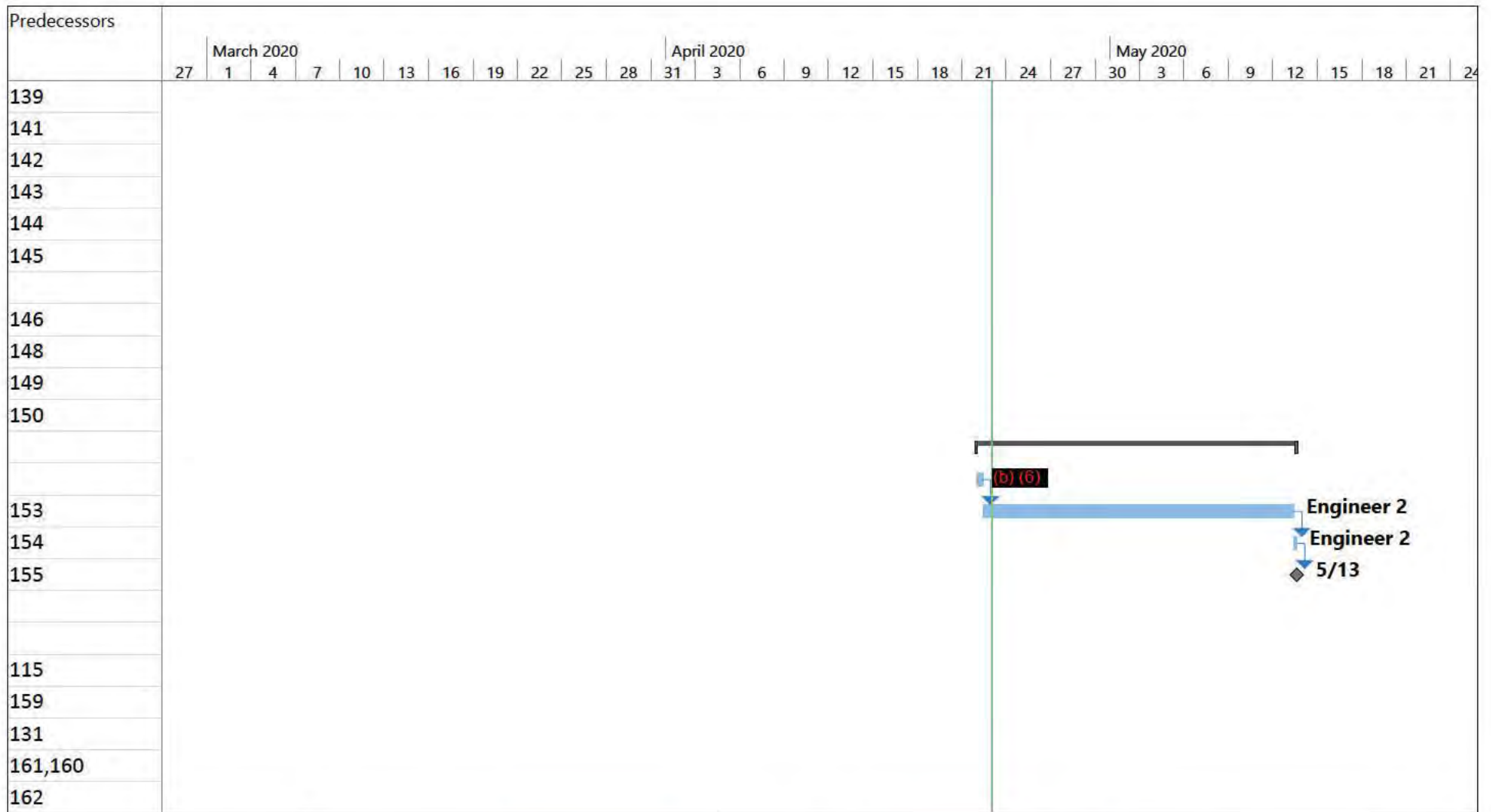


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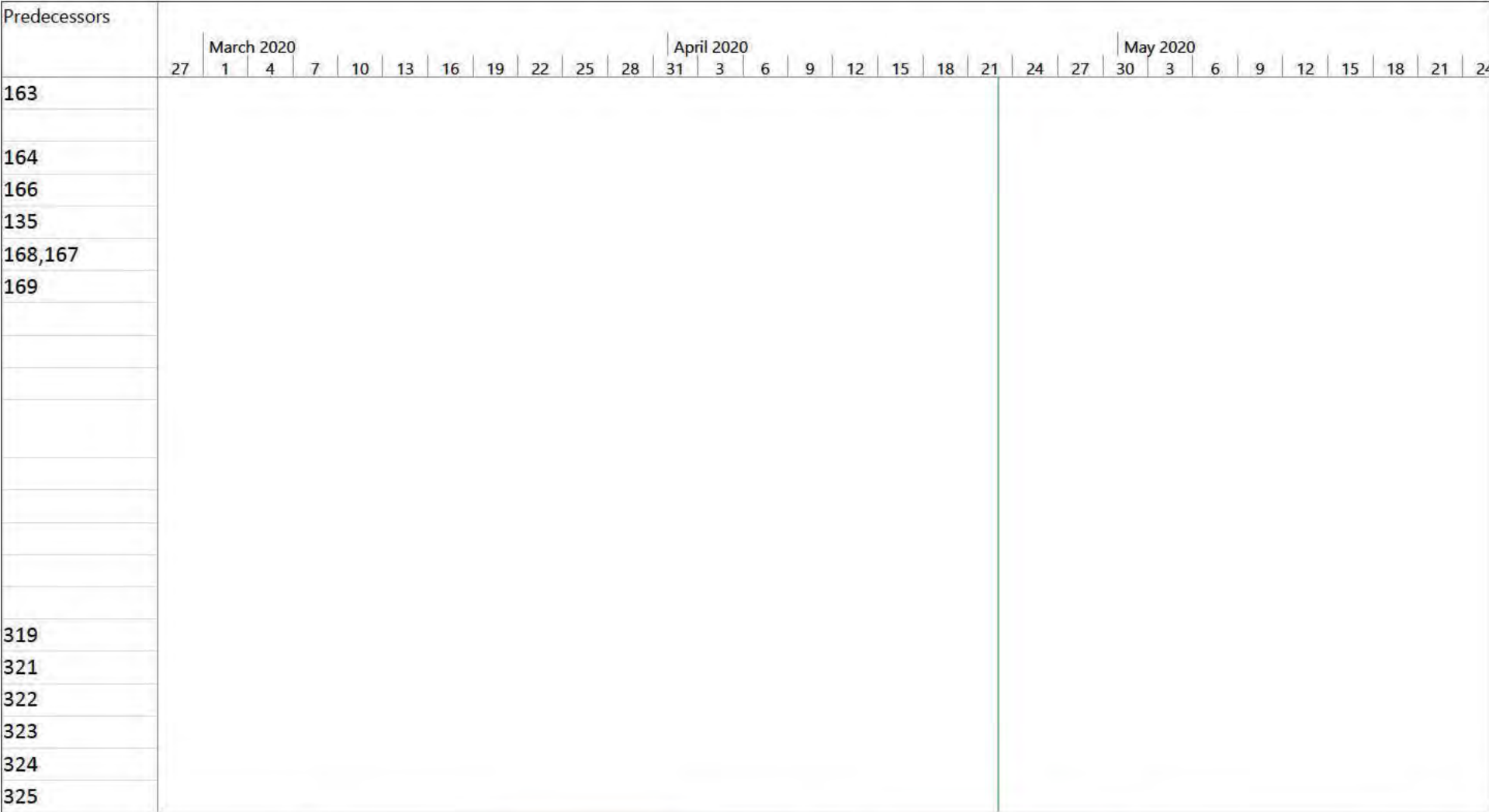


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Project: ASH Cloud Roadmap

Date: Thu 4/23/20

Task

Split

Milestone

Summary

Project Summary

Inactive Task

Inactive Milestone

Inactive Summary

Manual Task

Duration-only

Manual Summary Rollup

Manual Summary

Start-only

Finish-only

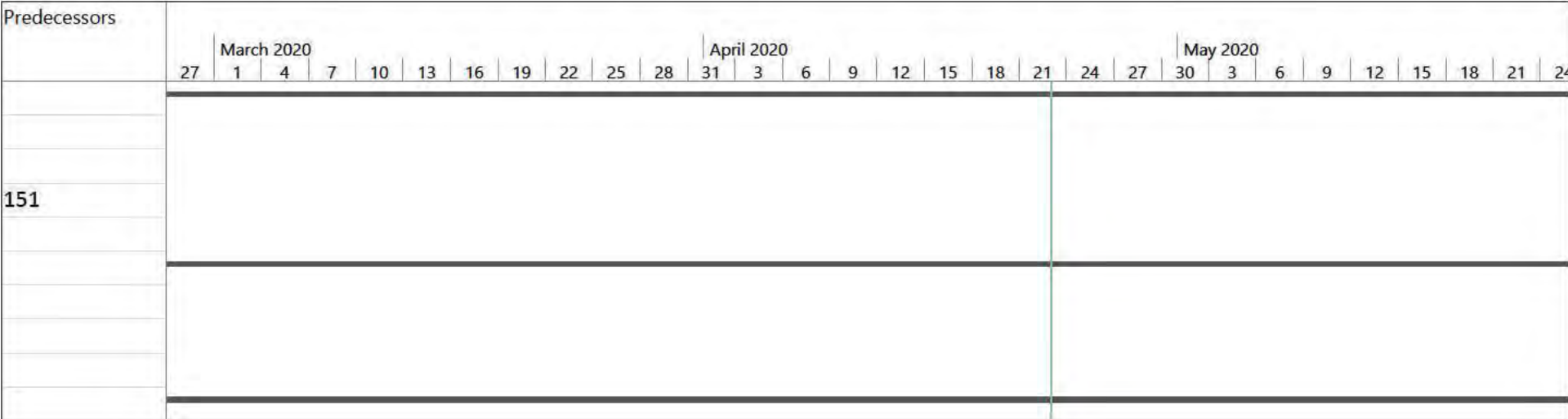
External Tasks

External Milestone

Deadline

Progress

Manual Progress



Project: ASH Cloud Roadmap

Date: Thu 4/23/20

Task

Split

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Summary

Project Summary

Inactive Task

Inactive Milestone

Inactive Summary

Manual Task

Duration-only

Manual Summary Rollup

Manual Summary

Start-only

Finish-only

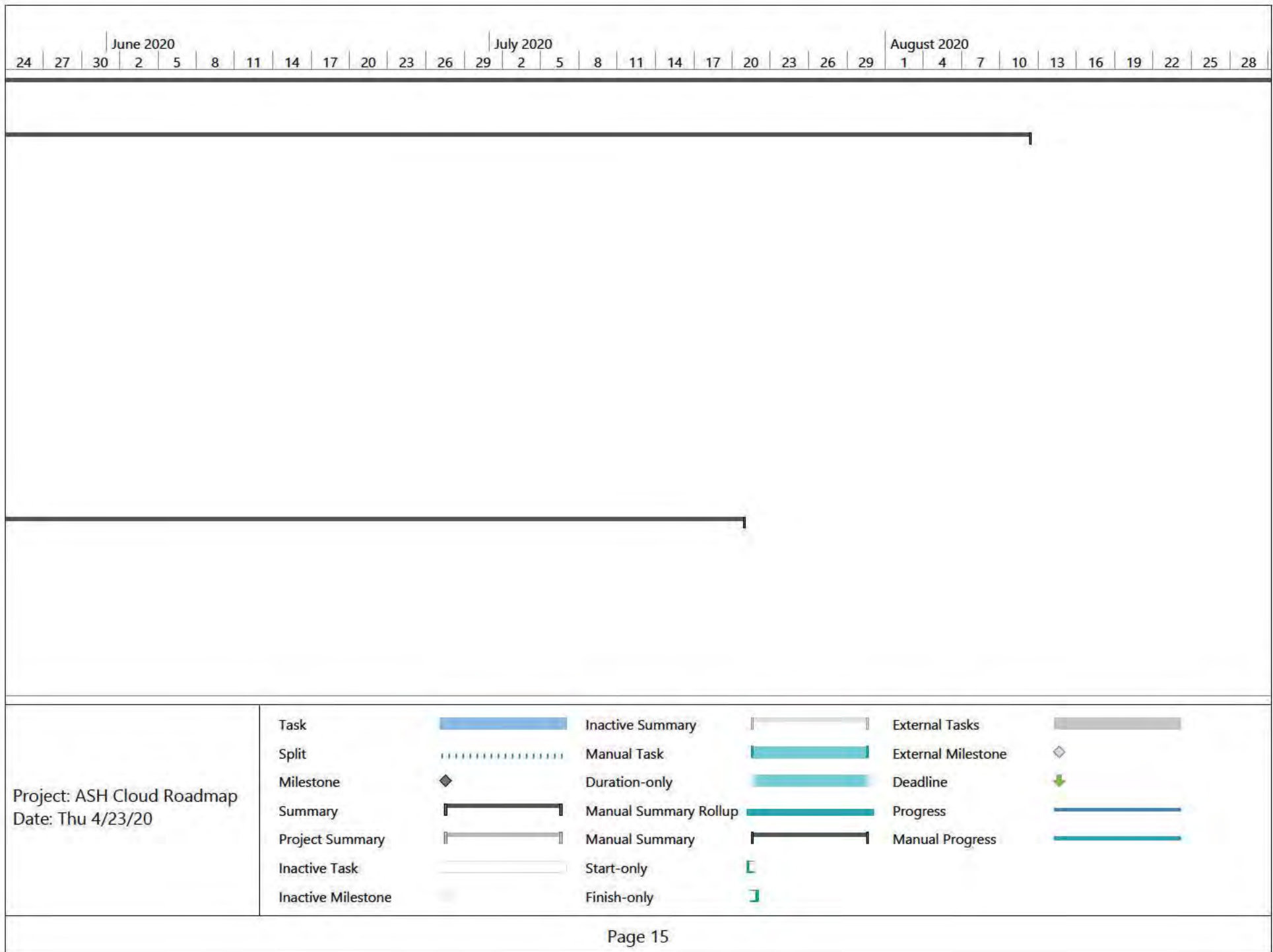
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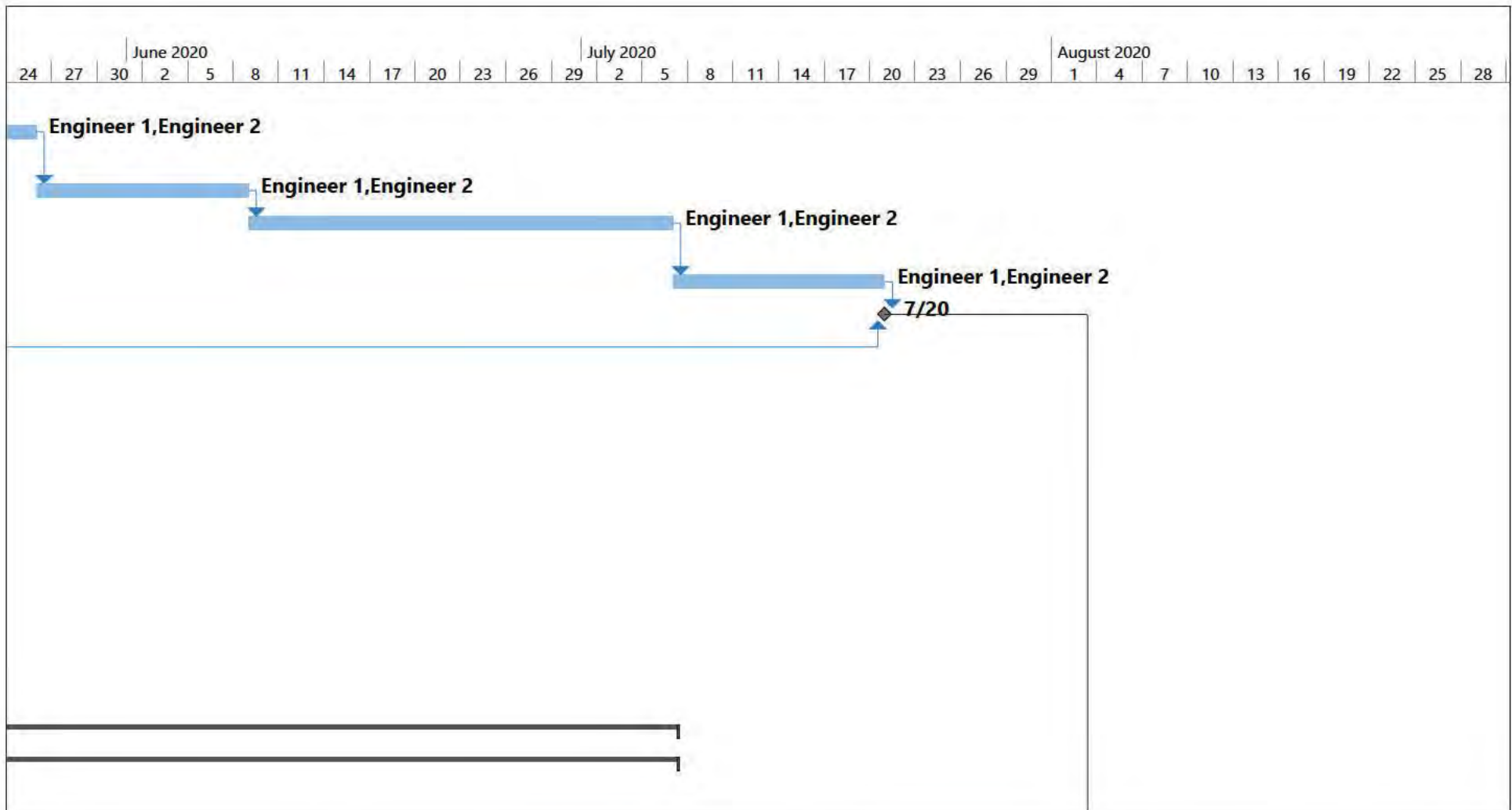
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Deadline

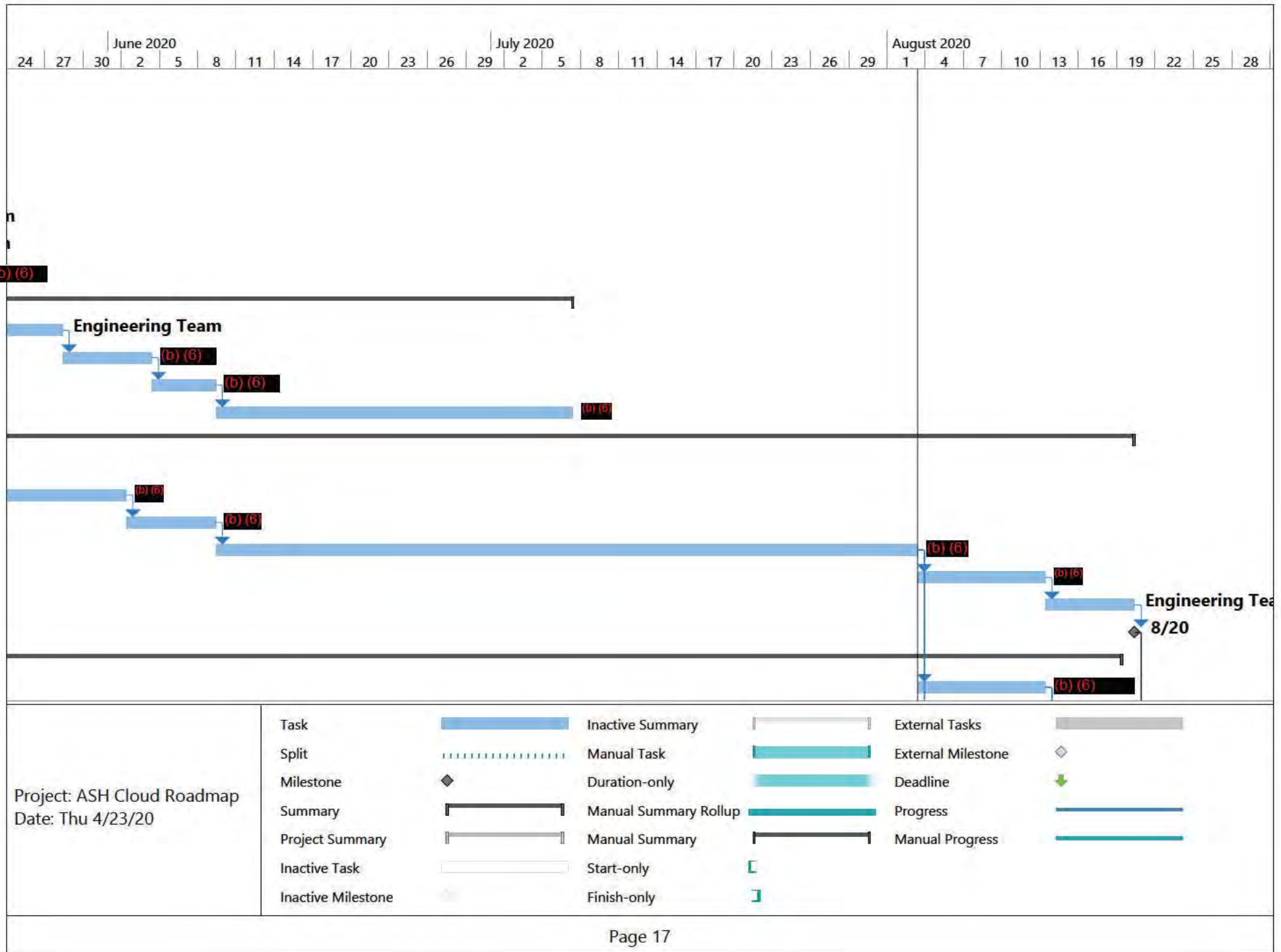
Progress

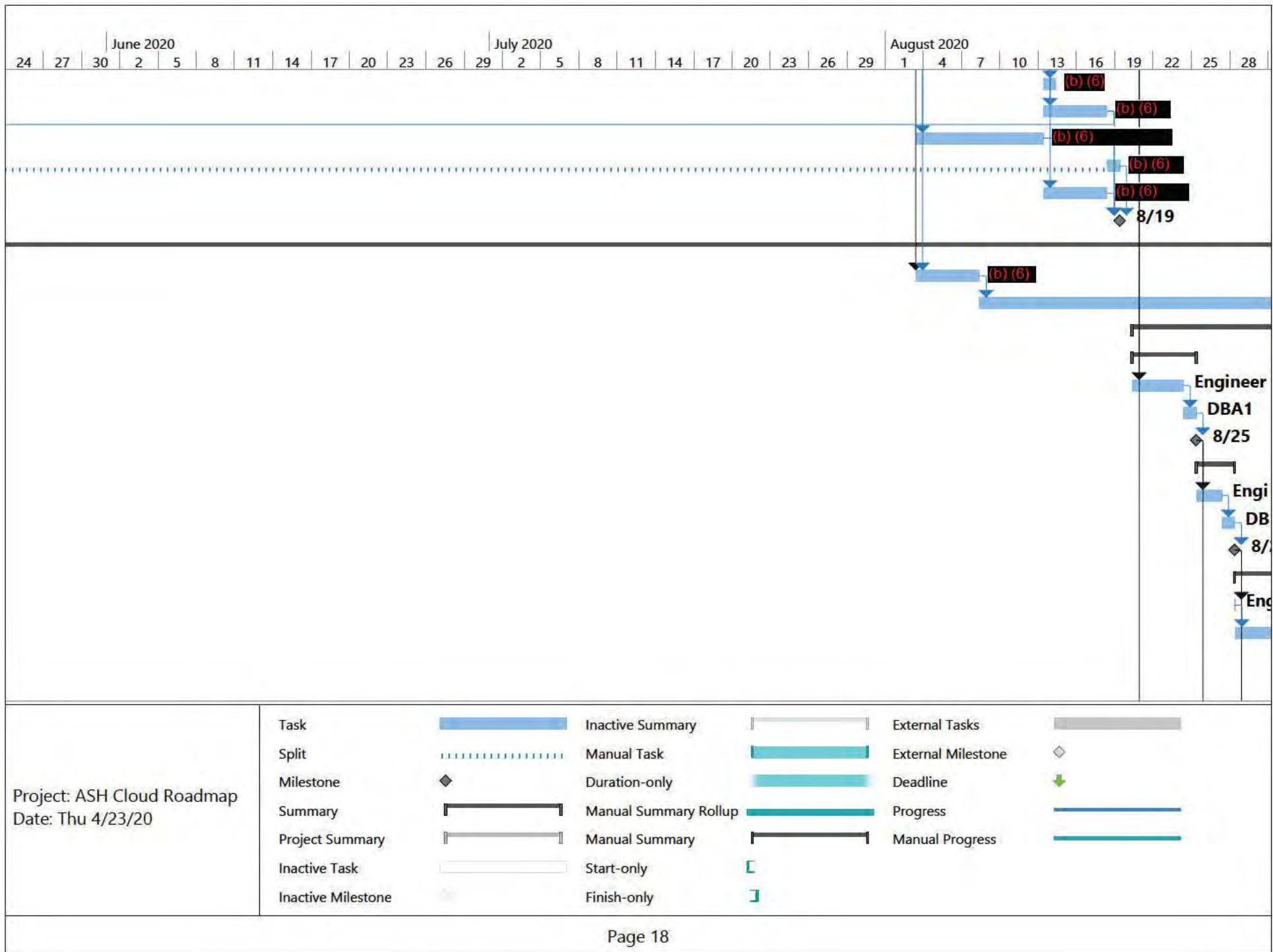
Manual Progress

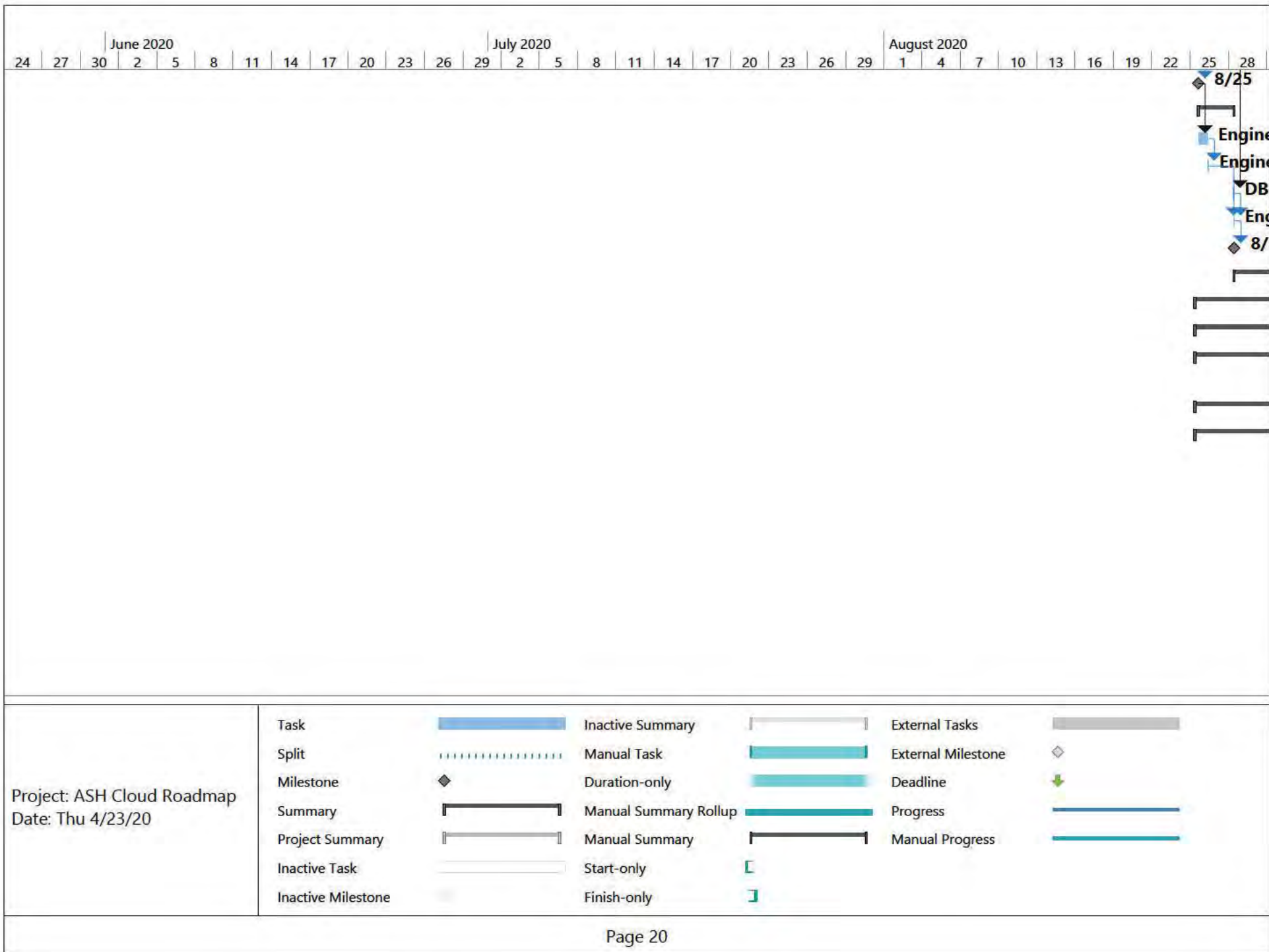


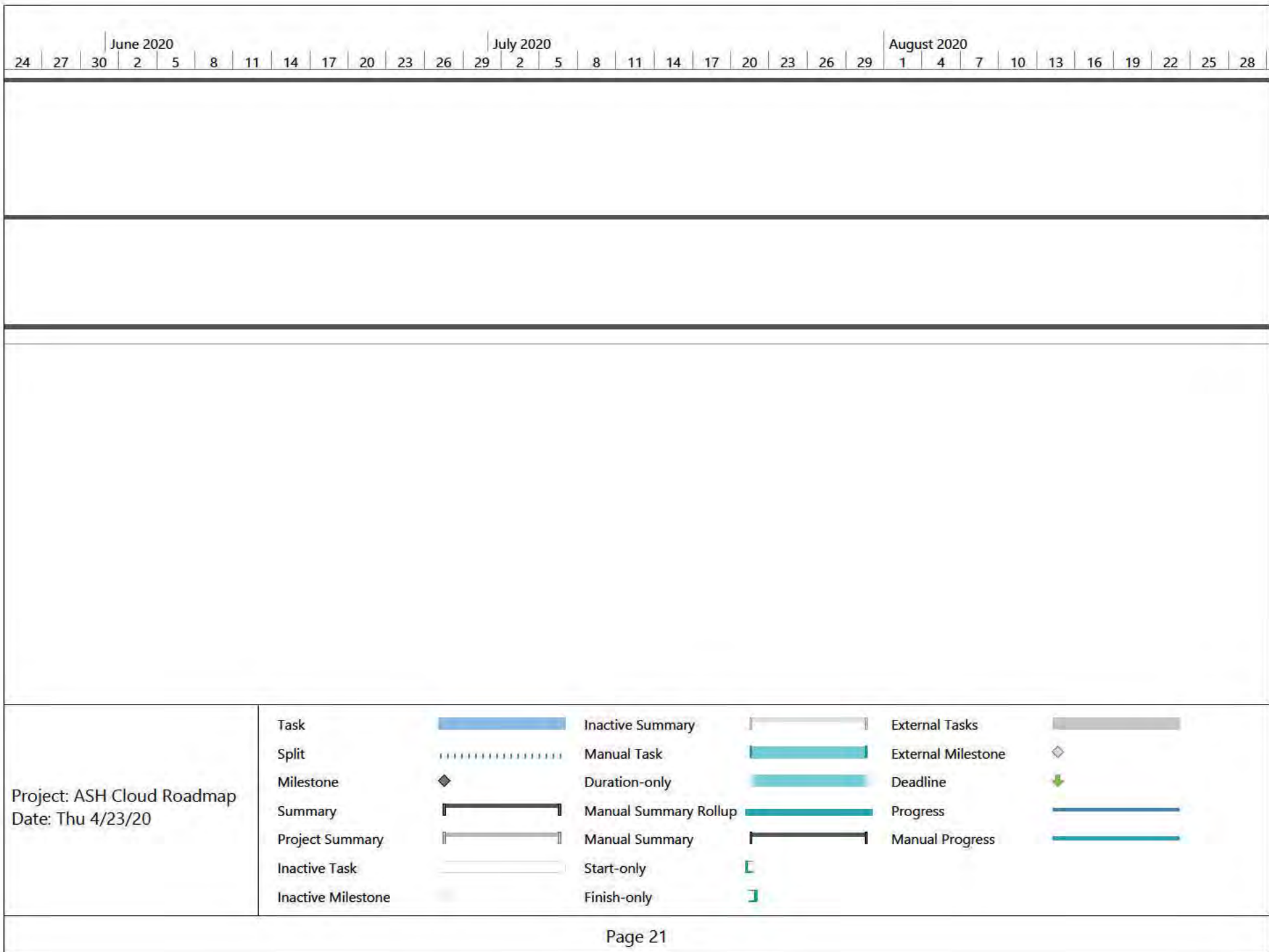


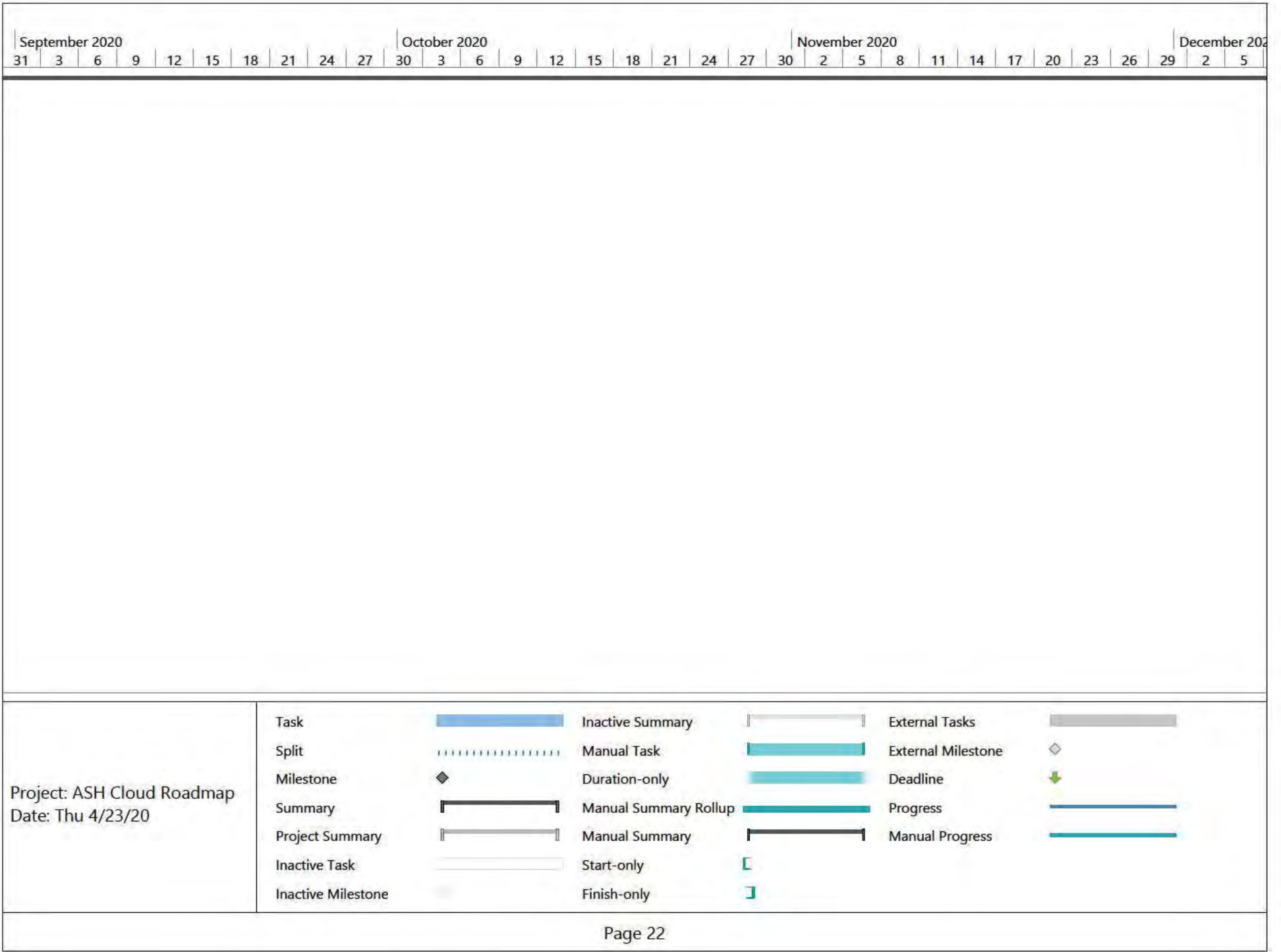
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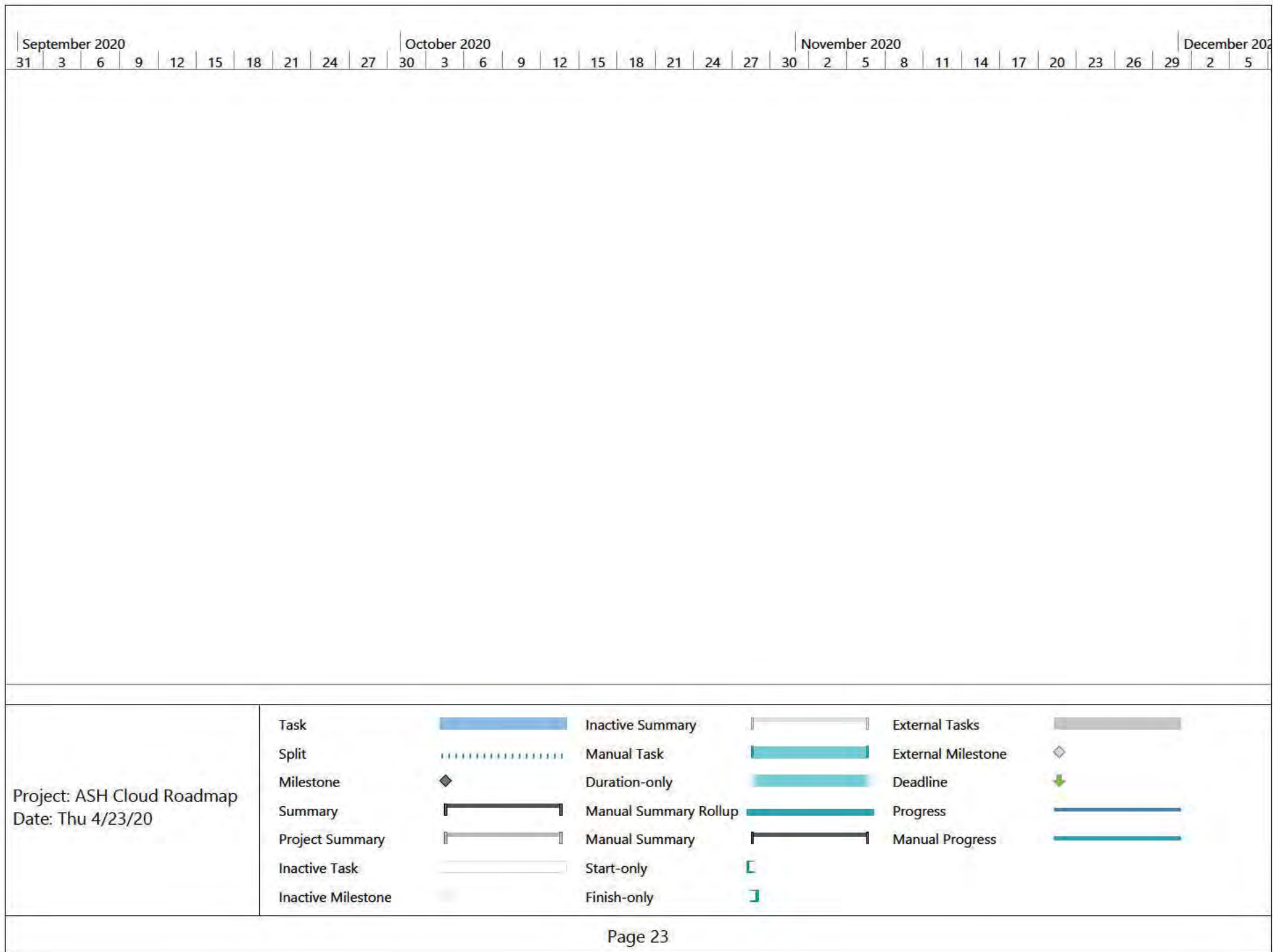


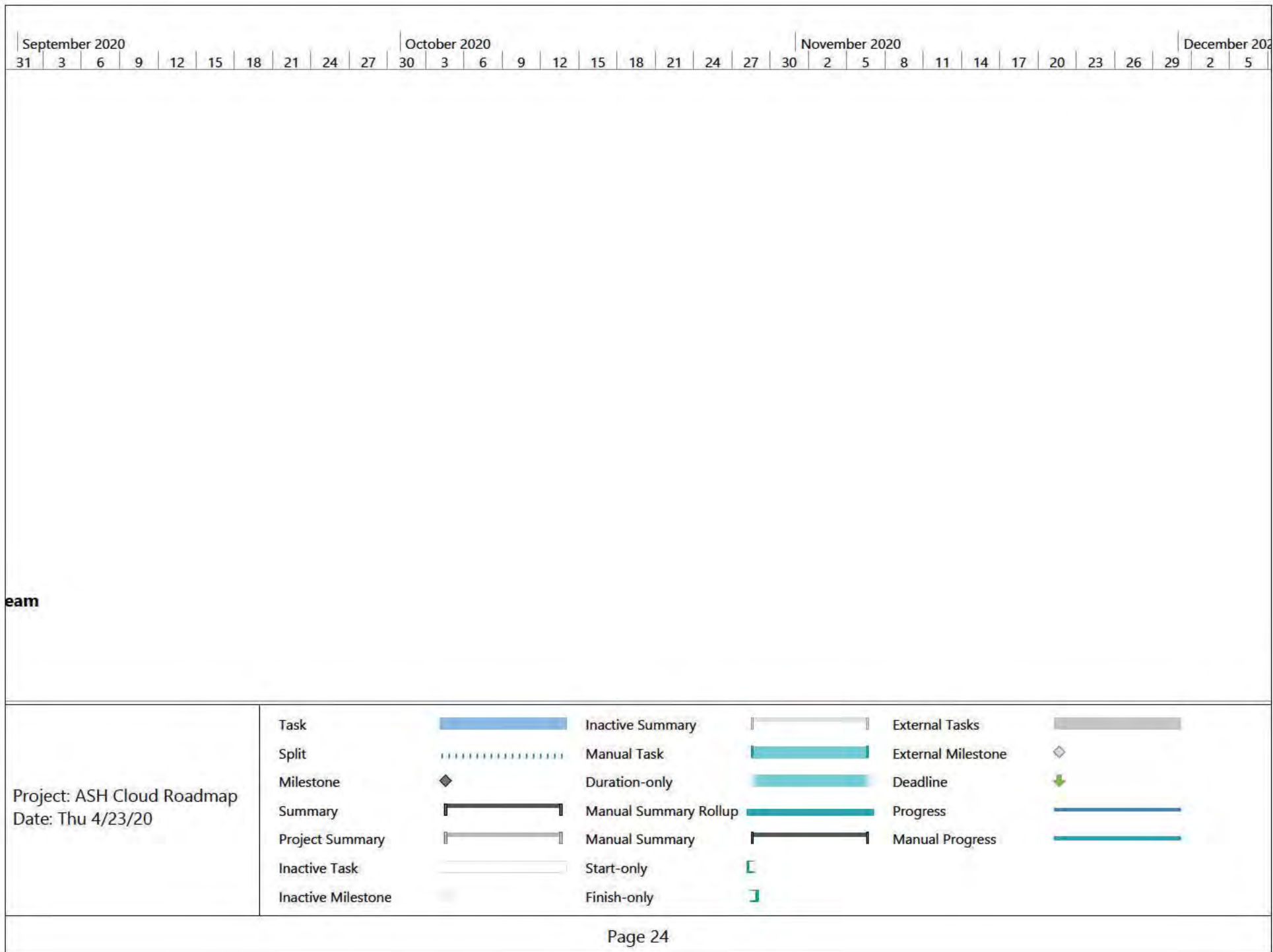


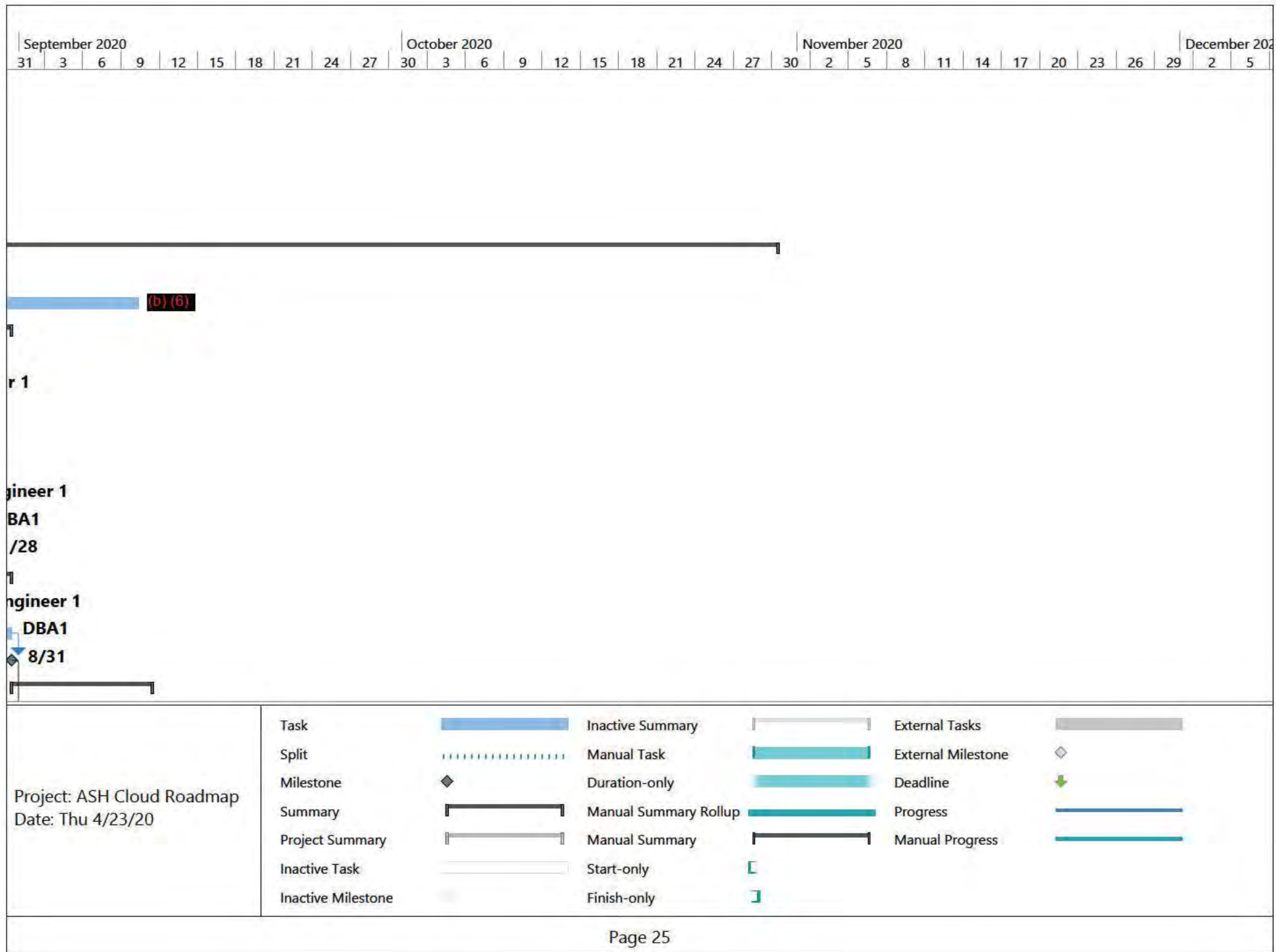


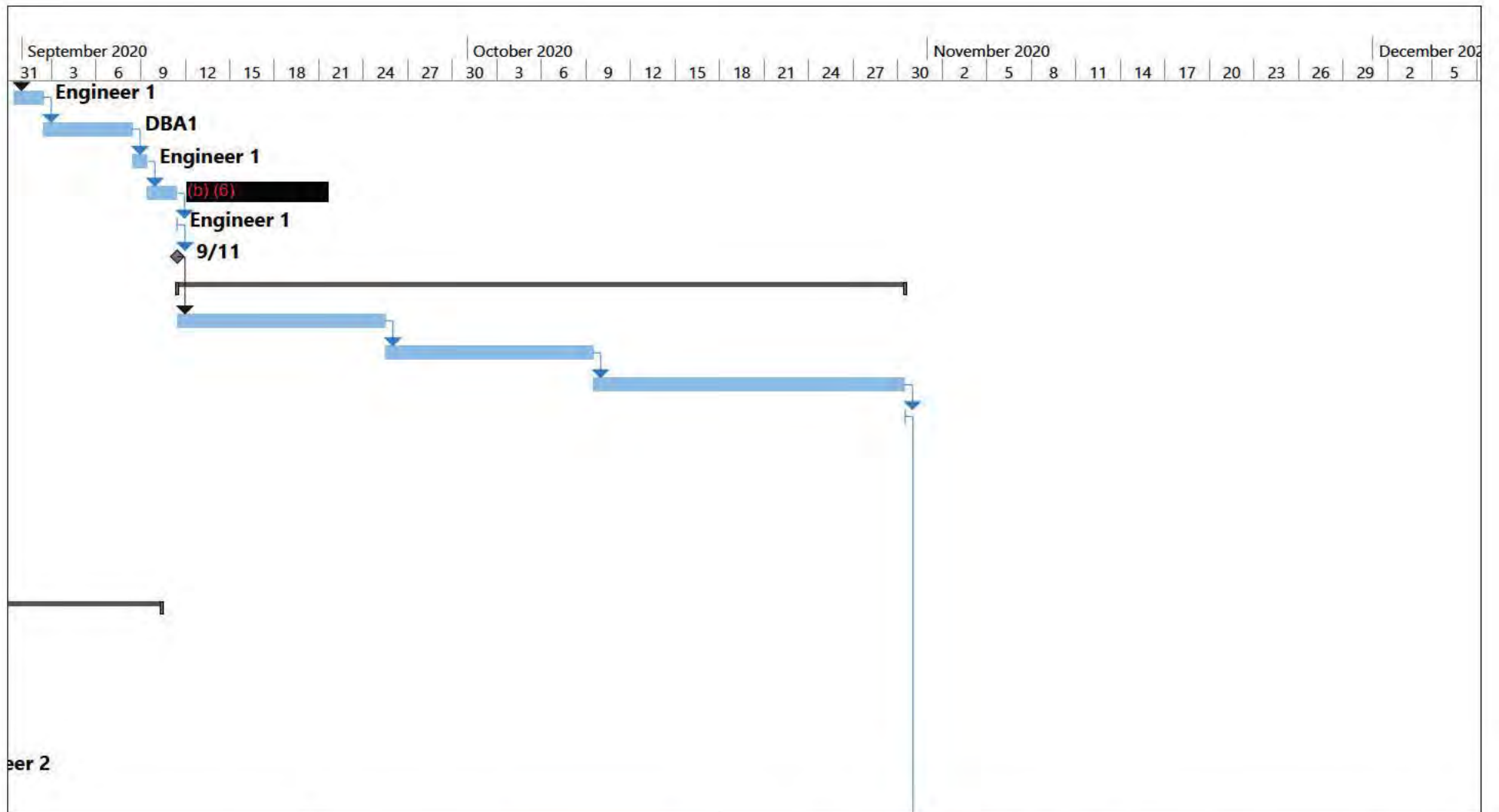












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