











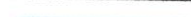

























ID	Task Mode	Task Name	Duration	Start	Finish	24 Jan '21								
						W	T	F	S	S	M	T	W	T
0		CRONOGRAMA LINEA DE CONDUCCION TRAMO DESDE EST. 2+356.60 HASTA EST. 3+372.40	365 days	Tue 19/1/21	Mon 17/1/22									
1														
2														
3		LINEA DE CONDUCCION LOS BOTADOS (DESDE ESTACION 2+359.60 HASTA ESTACION 3+372.40)	365 days	Tue 19/1/21	Mon 17/1/22									
4														
5		REPLANTEO	45 days	Tue 19/1/21	Thu 4/3/21									
6														
7		MOVIMIENTO DE TIERRA	212 days	Thu 10/6/21	Fri 7/1/22									
8		EXCAVACION MATERIAL COMPACTO C/EQUIPO (DENTRO DEL VOLUMEN TOTAL, PARA LONG. 120.00M LA ZANJA TENDRA UN ANCHO =1.45M, DONDE SE COLOCARA UN TRAMO DE LA RED DISTRIBUCION Ø3" JUNTO A LA DE 12" DE CONDUCCION)	62 days	Thu 10/6/21	Wed 11/8/21									
9		ASIENTO DE ARENA	13 days	Wed 11/8/21	Tue 24/8/21									
10		RELLENO COMPACTADO C/COMPACTADOR MECANICO EN CAPAS DE 0.20M	10 days	Thu 23/12/21	Mon 3/1/22									

Task		Rolled Up Baseline		Duration-only	
Split		Rolled Up Baseline Milestone		Manual Summary Rollup	
Milestone		Rolled Up Progress		Manual Summary	
Baseline Milestone		Baseline Split		Start-only	
Summary		External Tasks		Finish-only	
Project Summary		External Milestone		Deadline	
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ID	Task Mode	Task Name	Duration	Start	Finish	24 Jan '21								
						W	T	F	S	S	M	T	W	T
11		BOTE DE MATERIAL CON CAMION, INCLUYE CARGIO Y ESPARCIMIENTO EN BOTADERO (DIST.=5.0 KM)	5 days	Mon 3/1/22	Fri 7/1/22									
12														
13		SUMINISTRO DE TUBERIAS	5 days	Wed 9/6/21	Mon 14/6/21									
14		Ø12" PVC (SDR-26) C/JUNTA DE GOMA + 4 % PERD. P/CAMPANA (LINEA CONDUCCION)	2 days	Wed 9/6/21	Thu 10/6/21									
15		Ø6" PVC (SDR-26) C/JUNTA DE GOMA + 3 % PERD. P/CAMPANA (RED DE DISTRIBUCION)	1 day	Thu 10/6/21	Fri 11/6/21									
16		Ø4" PVC (SDR-26) C/JUNTA DE GOMA + 2 % PERD. P/CAMPANA (RED DE DISTRIBUCION)	1 day	Fri 11/6/21	Sat 12/6/21									
17		Ø3" PVC (SDR-26) C/JUNTA DE GOMA + 2 % PERD. P/CAMPANA (RED DE DISTRIBUCION)	1 day	Sat 12/6/21	Mon 14/6/21									
18														
19		COLOCACION DE TUBERIAS (SE COLOCARAN EN LA MISMA ZANJA)	107.5 days	Tue 24/8/21	Thu 9/12/21									

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20		Ø12" PVC (SDR-26) C/JUNTA DE GOMA + 4 % PERD. P/CAMPANA (LINEA CONDUCCION)	50 days	Tue 24/8/21	Wed 13/10/21									
21		Ø6" PVC (SDR-26) C/JUNTA DE GOMA + 3 % PERD. P/CAMPANA (RED DE DISTRIBUCION)	23 days	Thu 14/10/21	Fri 5/11/21									
22		Ø4" PVC (SDR-26) C/JUNTA DE GOMA + 2 % PERD. P/CAMPANA (RED DE DISTRIBUCION)	32 days	Mon 8/11/21	Thu 9/12/21									
23		Ø3" PVC (SDR-26) C/JUNTA DE GOMA + 2 % PERD. P/CAMPANA (RED DE DISTRIBUCION)	18 days	Thu 14/10/21	Tue 2/11/21									
24		SUMINISTRO Y COLOCACION DE PIEZAS C/PROTECCION ANTICORROSIVA	62 days	Wed 13/10/21	Tue 14/12/21									
25														
26		TEE 12"X 6" ACERO (SCH-30)	1 day	Wed 13/10/21	Thu 14/10/21									
27		TEE 12"X 4" ACERO (SCH-30)	1 day	Thu 14/10/21	Fri 15/10/21									
28		TEE 12"X 3" ACERO (SCH-30)	1 day	Fri 15/10/21	Fri 15/10/21									
29		TEE 6"X 4" ACERO (SCH-40)	1 day	Fri 5/11/21	Sat 6/11/21									
30		TEE 6"X 3" ACERO (SCH-40)	1 day	Sat 6/11/21	Mon 8/11/21									
31		TEE 4"X 4" ACERO (SCH-80)	1 day	Thu 9/12/21	Fri 10/12/21									

















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						W	T	F	S	S	M	T	W	T
32		TEE 4"X 3" ACERO (SCH-80)	1 day	Fri 10/12/21	Sat 11/12/21									
33		TEE 3"X 3" ACERO (SCH-80)	1 day	Tue 2/11/21	Tue 2/11/21									
34		CODO 12"X 22.5" ACERO (SCH-30)	1 day	Wed 13/10/21	Thu 14/10/21									
35		CODO 6"X 90" ACERO (SCH-40)	1 day	Fri 5/11/21	Sat 6/11/21									
36		CODO 3"X 45" ACERO (SCH-80)	1 day	Tue 2/11/21	Tue 2/11/21									
37		CODO 3"X 22.5" ACERO (SCH-80)	1 day	Tue 2/11/21	Wed 3/11/21									
38		CODO 3"X 90" ACERO (SCH-30) C/PROTECCION ANTICORROSIVA	1 day	Wed 3/11/21	Thu 4/11/21									
39		CRUZ 6"X 6" ACERO (SCH-40)	1.5 days	Fri 5/11/21	Mon 8/11/21									
40		CRUZ 4"X 3" ACERO (SCH-80)	1.5 days	Thu 9/12/21	Fri 10/12/21									
41		CRUZ 4"X 3" ACERO (SCH-80)	1.5 days	Fri 10/12/21	Mon 13/12/21									
42		YEE 4"X 3" ACERO (SCH-40) C/PROTECCION ANTICORROSIVA	1.5 days	Mon 13/12/21	Tue 14/12/21									
43		REDUCCION 12"X 3" ACERO (SCH-30)	1.5 days	Wed 13/10/21	Thu 14/10/21									
44		REDUCCION 6"X 4" ACERO (SCH-40)	1.5 days	Fri 5/11/21	Mon 8/11/21									
45		REDUCCION 6"X 3" ACERO (SCH-40)	1.5 days	Mon 8/11/21	Tue 9/11/21									
46		REDUCCION 4"X 3" ACERO (SCH-80)	1.5 days	Tue 9/11/21	Wed 10/11/21									
47		NIPLE 12" X 1.00 M ACERO (SCH-30) C/PROTECCION ANTICORROSIVA	1.5 days	Wed 13/10/21	Thu 14/10/21									
48		NIPLE 6" X 1.00 M ACERO (SCH-40)	1.5 days	Fri 5/11/21	Mon 8/11/21									
49		NIPLE 4" X 1.00 M ACERO (SCH-80)	2.5 days	Thu 9/12/21	Sat 11/12/21									

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						W	T	F	S	S	M	T	W	T
50		NIPLE 3" X 1.00 M ACERO (SCH-80)	2.5 days	Tue 2/11/21	Thu 4/11/21									
51		JUNTA MECANICA TIPO DRESSER DE Ø 12" HF	4 days	Wed 13/10/21	Mon 18/10/21									
52		JUNTA MECANICA TIPO DRESSER DE Ø 6" HF	4 days	Fri 5/11/21	Wed 10/11/21									
53		JUNTA MECANICA TIPO DRESSER DE Ø 4" HF	4 days	Thu 9/12/21	Tue 14/12/21									
54		JUNTA MECANICA TIPO DRESSER DE Ø 3" HF	4 days	Tue 2/11/21	Fri 5/11/21									
55		ANCLAJE H.A. P/PIEZAS ESPECIALES 12" (SEGUN DISEÑO)	4 days	Fri 5/11/21	Wed 10/11/21									
56		ANCLAJE H.S. P/PIEZAS ESPECIALES 6, 4" Y 3" (SEGUN DISEÑO)	4 days	Thu 14/10/21	Mon 18/10/21									
57														
58		SUMINISTRO Y COLOCACION DE VALVULAS	42 days	Tue 2/11/21	Tue 14/12/21									
59		VALVULA DE COMPUERTA Ø4" H.F. PLATILLADA (INC. 2 JUNTAS DE GOMA, 2 NIPLE PLATILLADOS, 2 JUNTAS MECANICAS TIPO DRESSER Y 2 PARES DE TORNILLOS)	4 days	Thu 9/12/21	Tue 14/12/21									

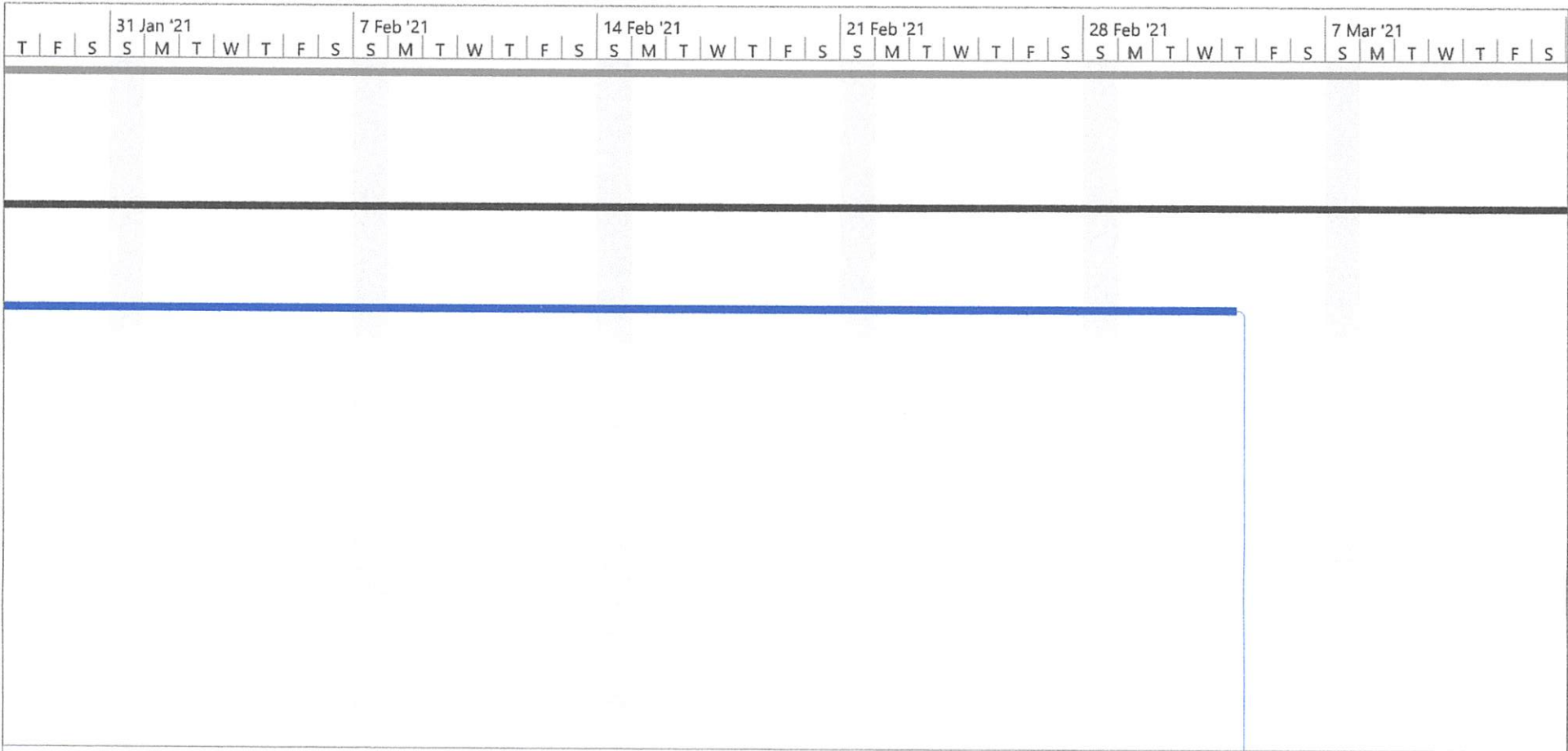
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Rolled Up Milestone		Inactive Summary			
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ID	 Task Mode	Task Name	Duration	Start	Finish	W	T	F	S	24 Jan '21					
										S	M	T	W	T	
60		VALVULA DE COMPUERTA Ø3" H.F. PLATILLADA (INC. 2 JUNTAS DE GOMA, 2 NIPLA PLATILLADOS, 2 JUNTAS MECANICAS TIPO DRESSER Y 2 PARES DE TORNILLOS)	4 days	Tue 2/11/21	Fri 5/11/21										
61		CAJA TELESCOPICA PARA VALVULA	4 days	Fri 5/11/21	Tue 9/11/21										
62															
63		PRUEBA HIDROSTATICA	10 days	Tue 14/12/21	Thu 23/12/21										
64		Ø12" PVC	2.5 days	Tue 14/12/21	Thu 16/12/21										
65		Ø6" PVC	2.5 days	Thu 16/12/21	Sat 18/12/21										
66		Ø4" PVC	2.5 days	Sat 18/12/21	Tue 21/12/21										
67		Ø3" PVC	2.5 days	Tue 21/12/21	Thu 23/12/21										
68															
69		SEÑALIZACION, MANEJO DE TRANSITO Y SEGURIDAD VIAL (INCL OBREROS,MECHONES, CONOS,CINTA, AVISO DE PELIGRO, LETREROS)	335 days	Tue 19/1/21	Fri 17/12/21										
70		LIMPIEZA CONTINUA	305 days	Thu 4/3/21	Sat 1/1/22										
71															
72		ASFALTO	320 days	Thu 4/3/21	Mon 17/1/22										
73		CORTE DE ASFALTO	65 days	Thu 4/3/21	Fri 7/5/21										
74		EXTRACCION DE ASFALTO	30 days	Fri 7/5/21	Mon 7/6/21										

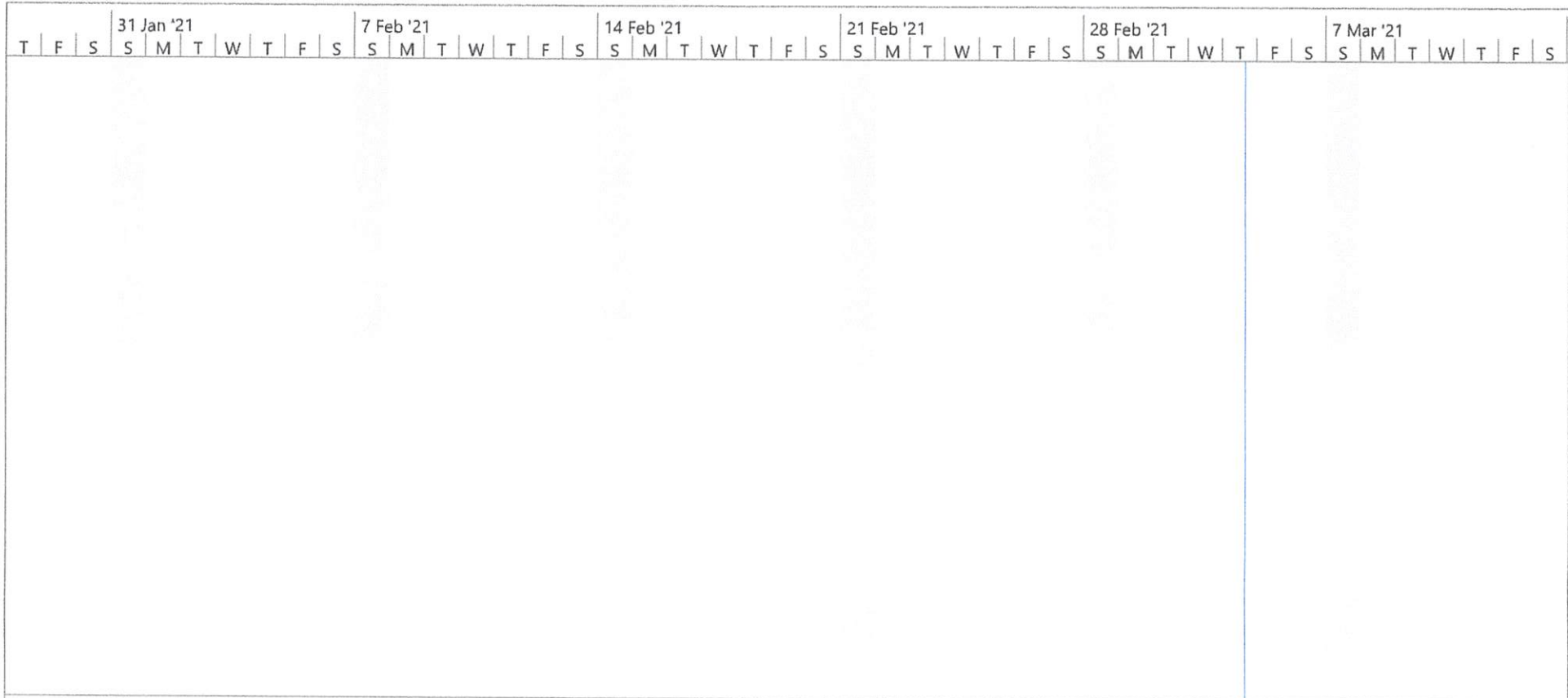
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						W	T	F	S	S	M	T	W	T
75		BOTE DE CARPETA ASFALTO C/CAMION D=5 KM (INC. ESPARCIMIENTO EN BOTADERO)	4 days	Mon 7/6/21	Thu 10/6/21									
76		SUMINISTRO DE MATERIAL BASE PARA RELLENO	5 days	Fri 7/1/22	Wed 12/1/22									
77		SUMINISTRO Y COLOCCION DE IMPRIMACION	2 days	Wed 12/1/22	Fri 14/1/22									
78		SUMINISTRO Y COLOCACION DE ASFALTO CALIENTE+25% DESP e= 2"	2 days	Fri 14/1/22	Mon 17/1/22									
79		TRANSPORTE DE ASFALTO CALIENTE (50.00 KM)	2 days	Fri 14/1/22	Mon 17/1/22									
80														
81														
82		VARIOS	335 days	Tue 19/1/21	Fri 17/12/21									
83		CAMPAMENTO (INCLUYE ALQUILER DE CASA O SOLAR CON CASETA DE MATERIALES CON (IU BAÑO MOVIL)	335 days	Tue 19/1/21	Fri 17/12/21									

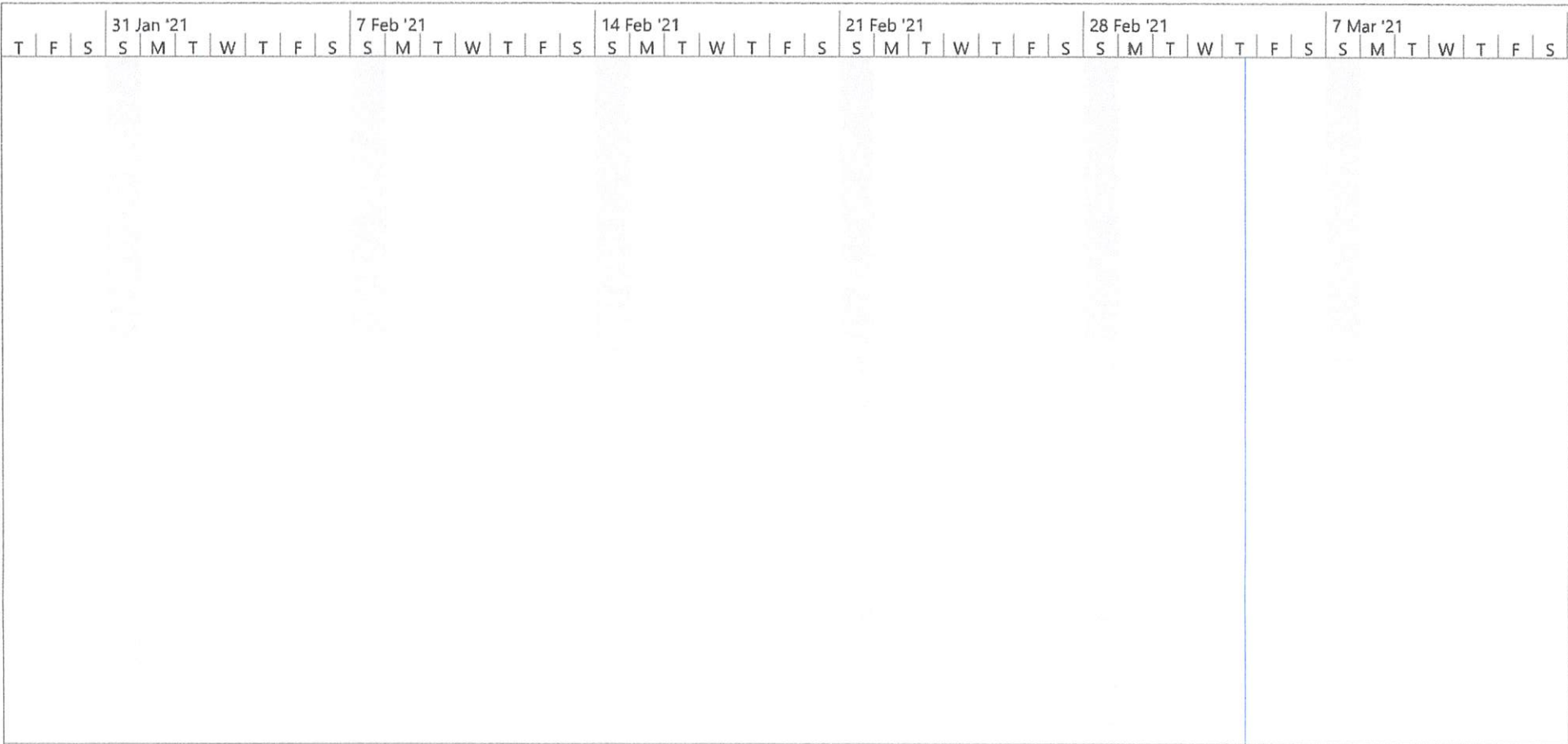
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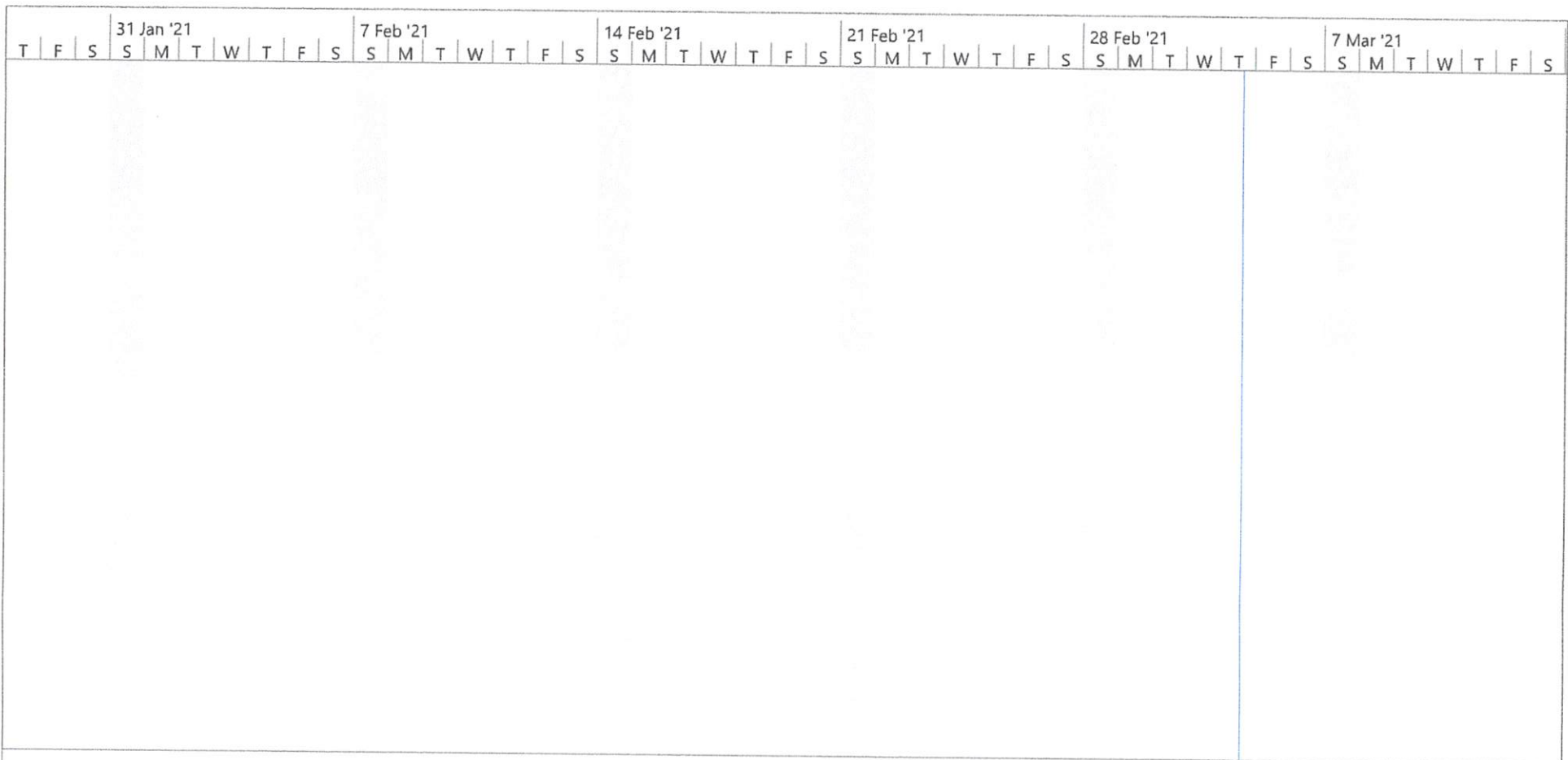
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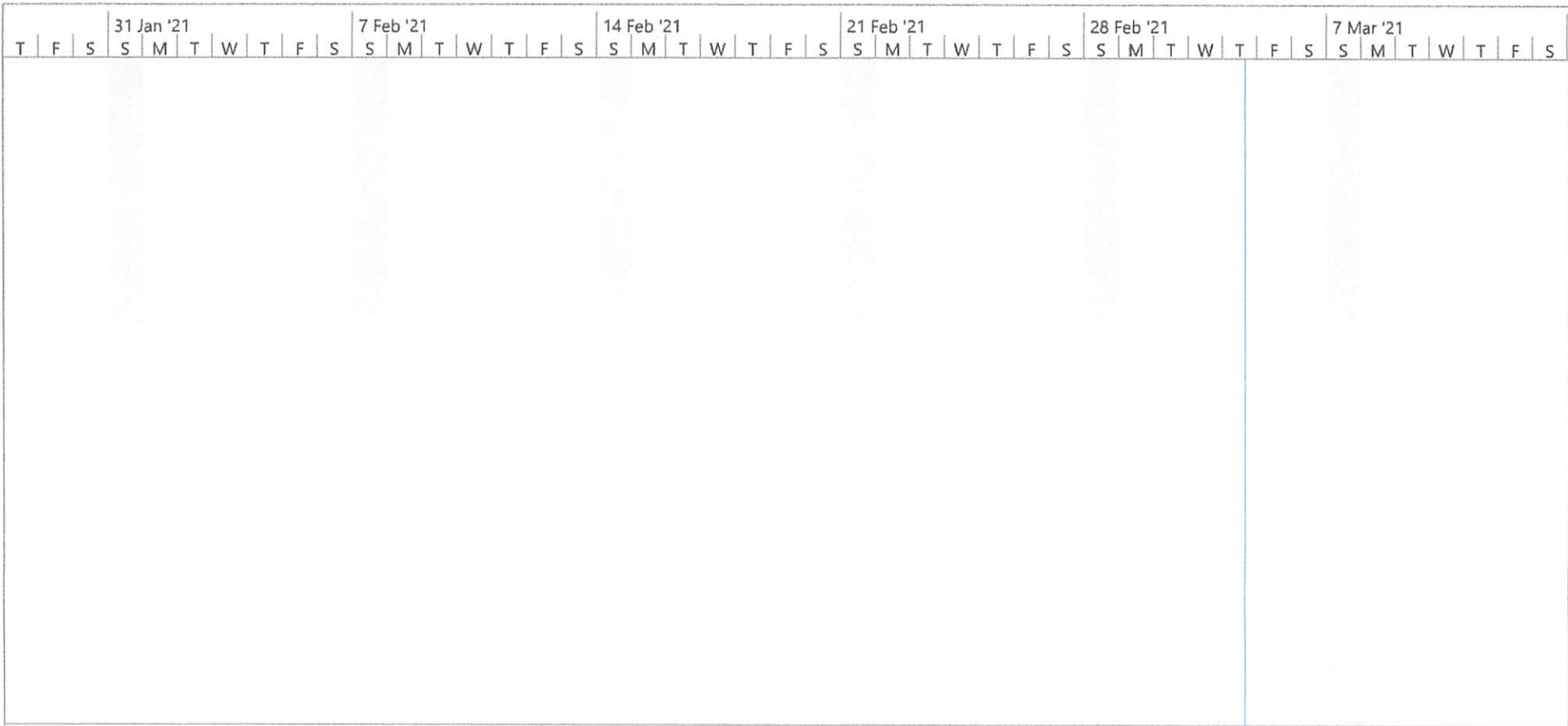
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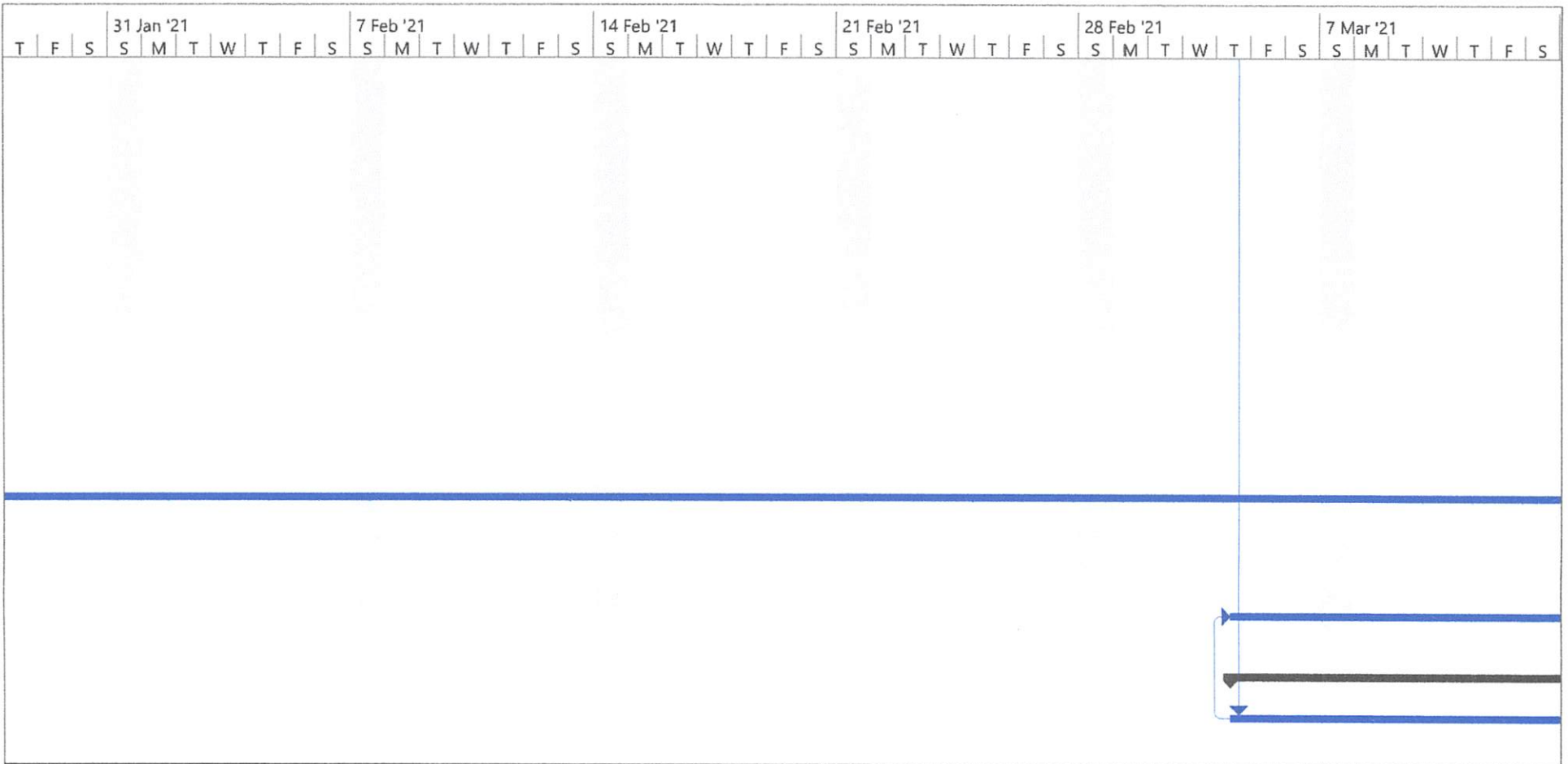
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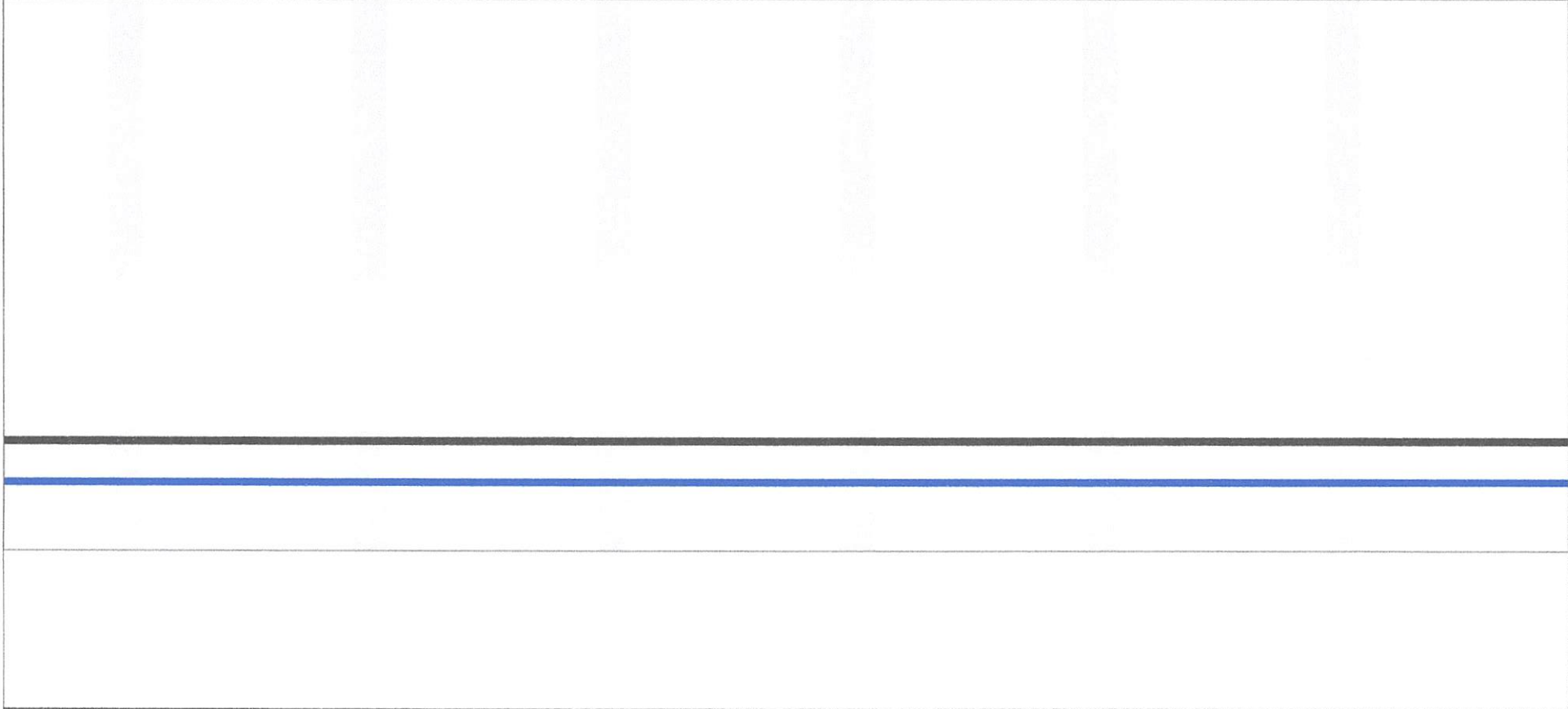


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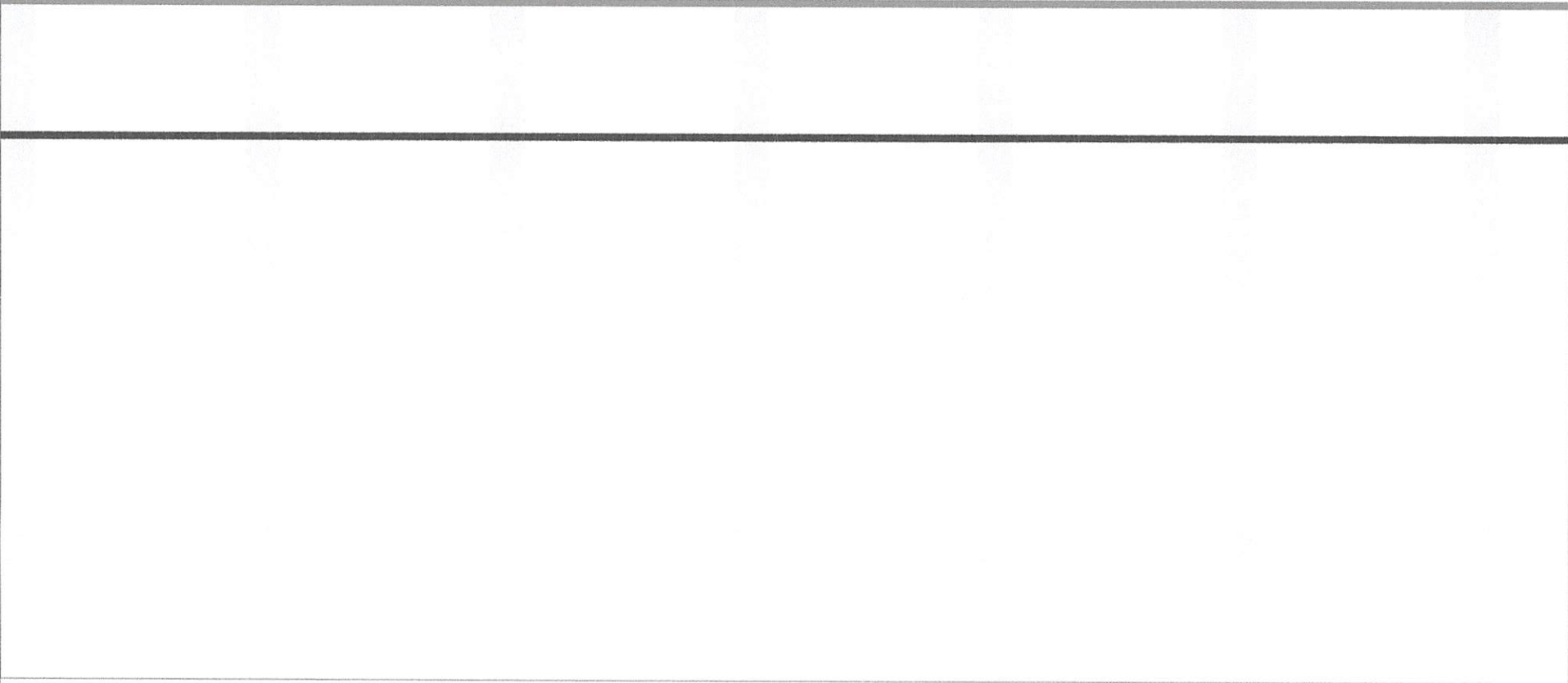
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T F S S M T W T F S 31 Jan '21 S M T W T F S 7 Feb '21 S M T W T F S 14 Feb '21 S M T W T F S 21 Feb '21 S M T W T F S 28 Feb '21 S M T W T F S 7 Mar '21



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14 Mar '21 | 21 Mar '21 | 28 Mar '21 | 4 Apr '21 | 11 Apr '21 | 18 Apr '21 | 25 Apr '21
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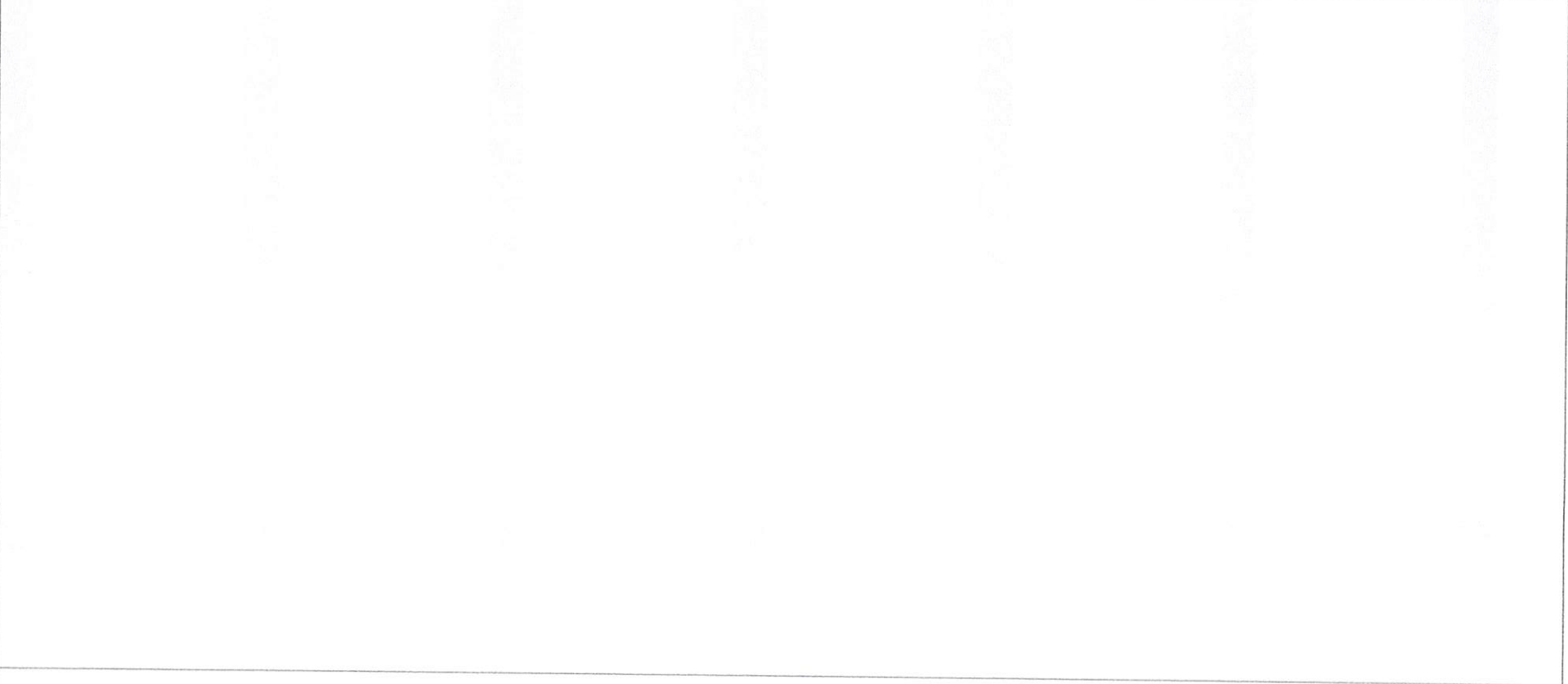
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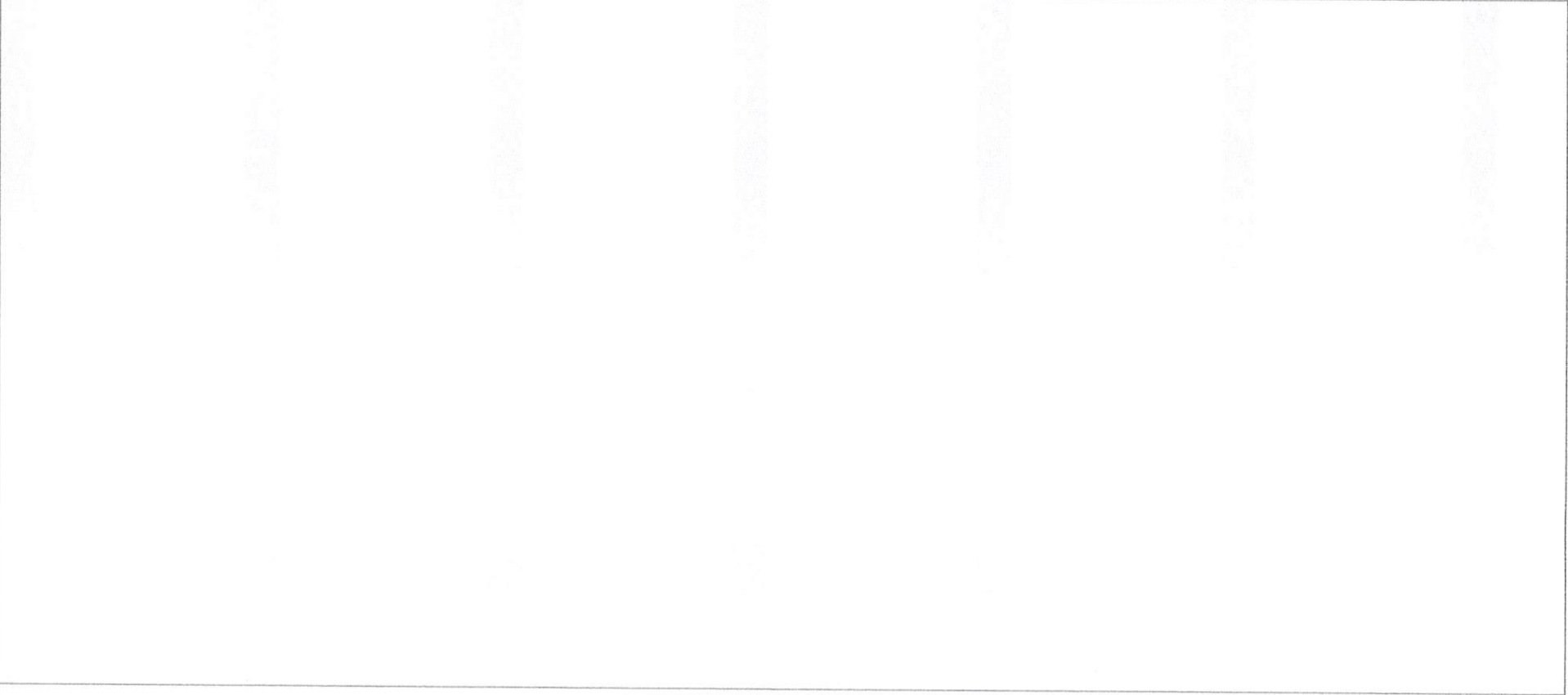
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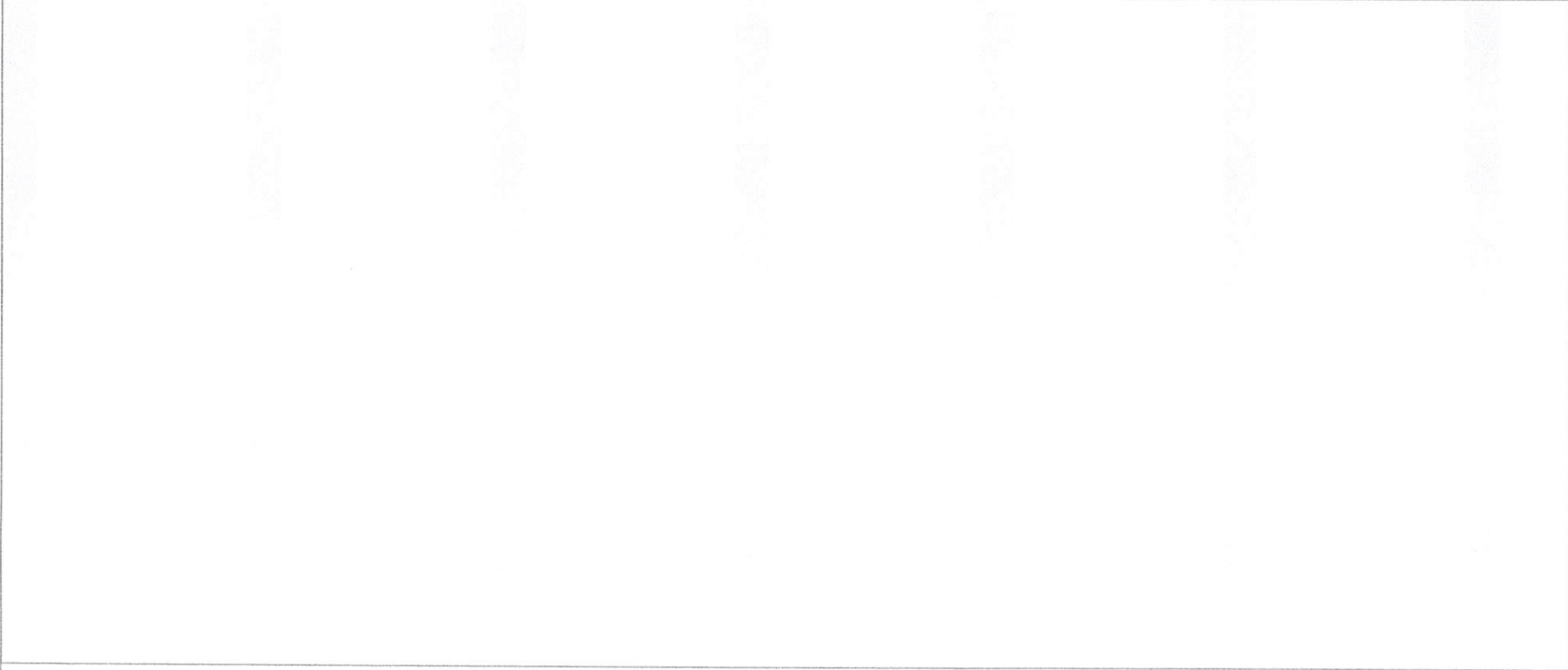
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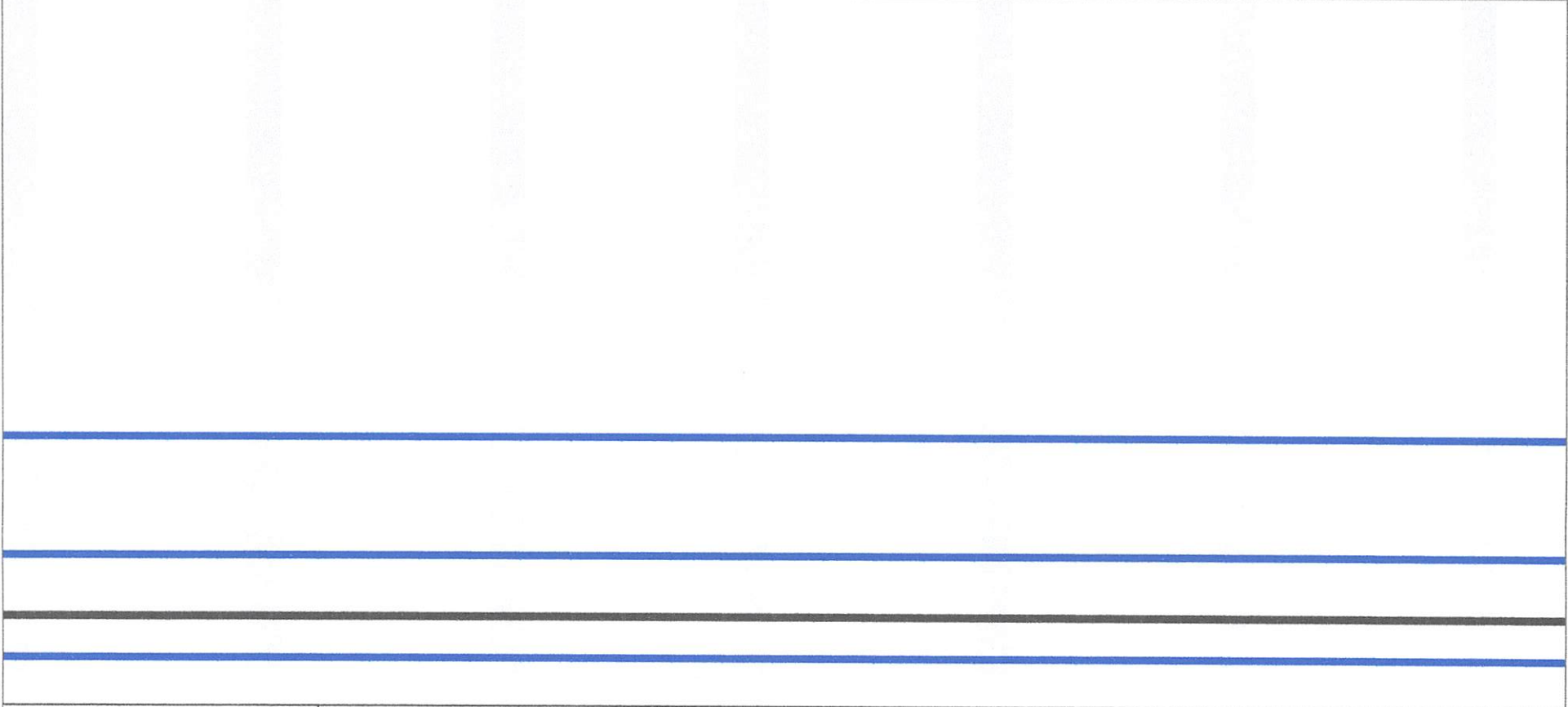
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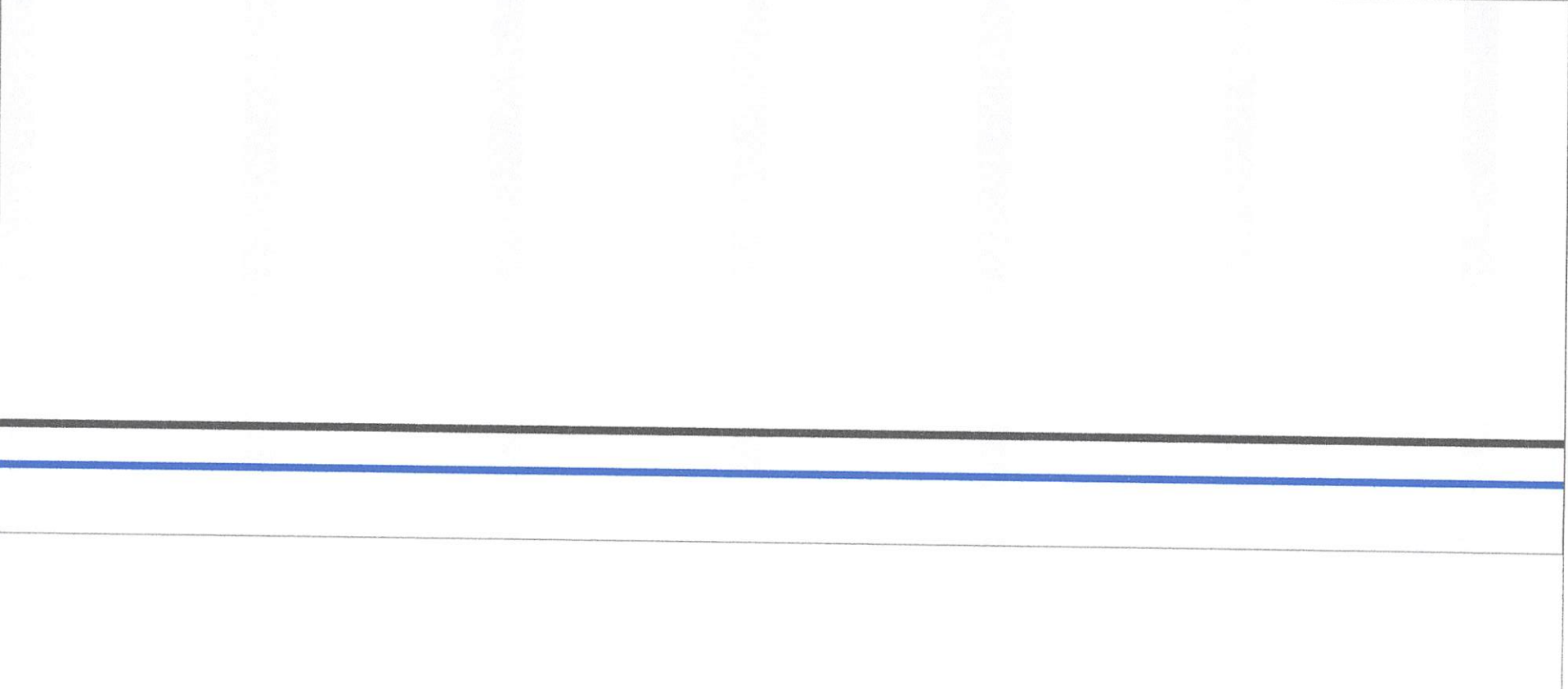
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Baseline Summary		Manual Task			

14 Mar '21 | 21 Mar '21 | 28 Mar '21 | 4 Apr '21 | 11 Apr '21 | 18 Apr '21 | 25 Apr '21



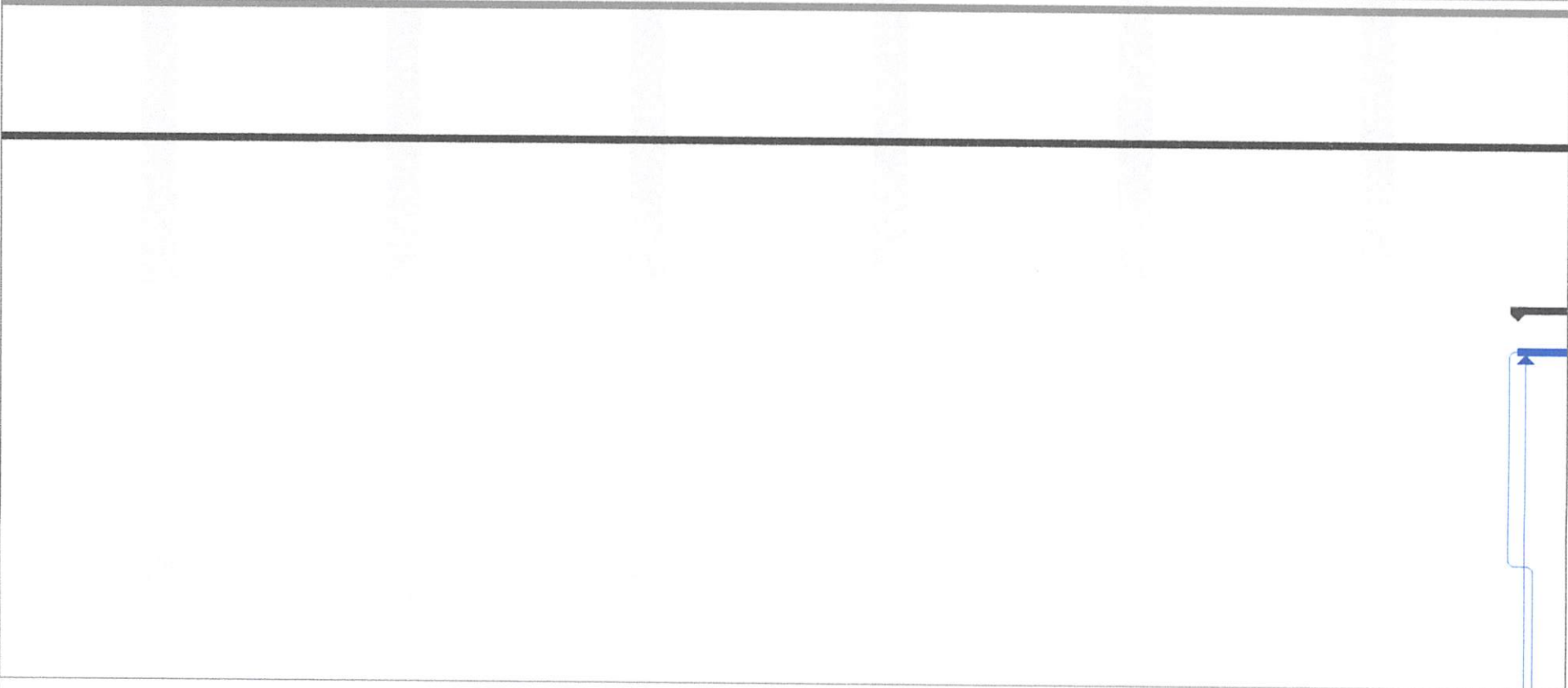
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Split		Rolled Up Baseline Milestone		Manual Summary Rollup	
Milestone		Rolled Up Progress		Manual Summary	
Baseline Milestone		Baseline Split		Start-only	
Summary		External Tasks		Finish-only	
Project Summary		External Milestone		Deadline	
Group By Summary		Inactive Task		Baseline	
Rolled Up Task		Inactive Milestone		Progress	
Rolled Up Milestone		Inactive Summary			
Baseline Summary		Manual Task			

14 Mar '21 | 21 Mar '21 | 28 Mar '21 | 4 Apr '21 | 11 Apr '21 | 18 Apr '21 | 25 Apr '21
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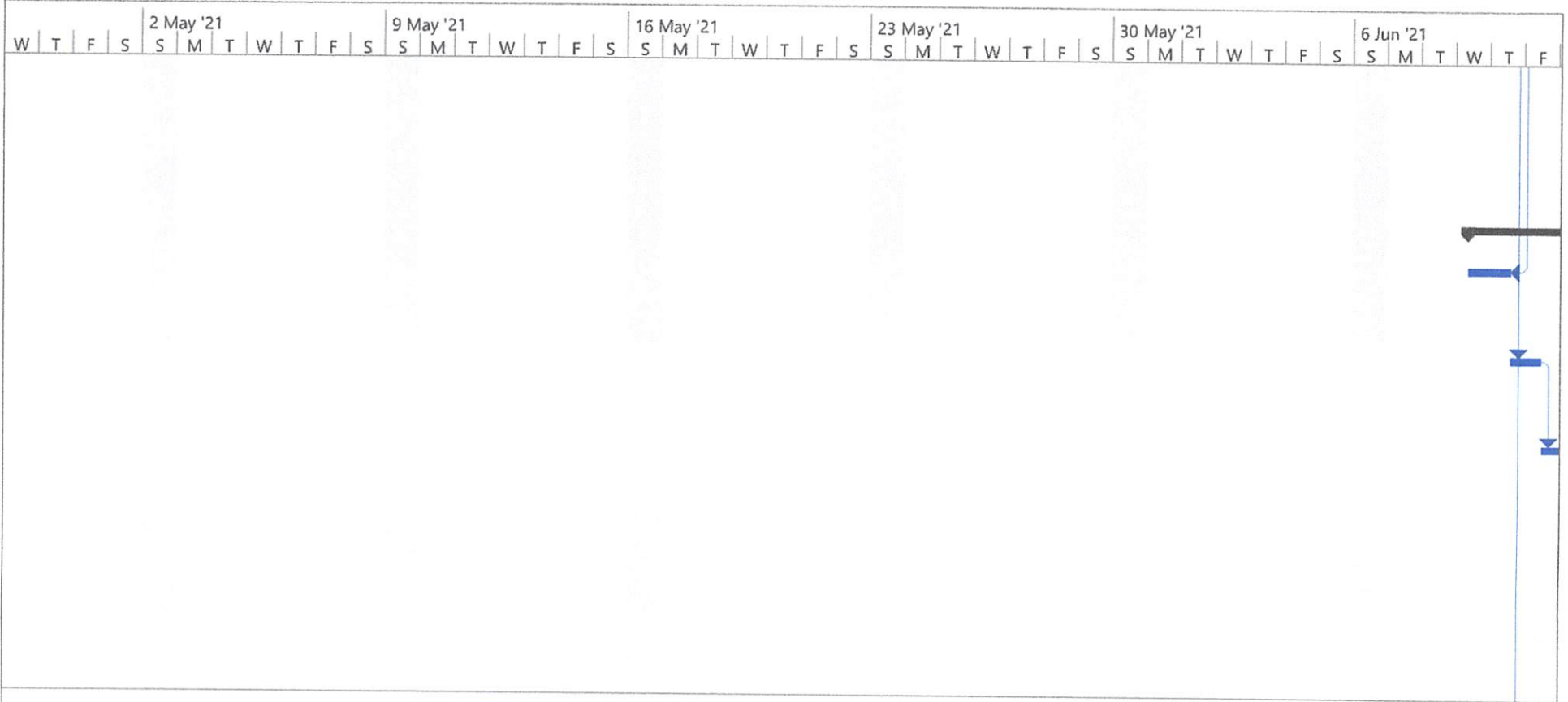


Task		Rolled Up Baseline		Duration-only	
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Milestone		Rolled Up Progress		Manual Summary	
Baseline Milestone		Baseline Split		Start-only	
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Baseline Summary		Manual Task			

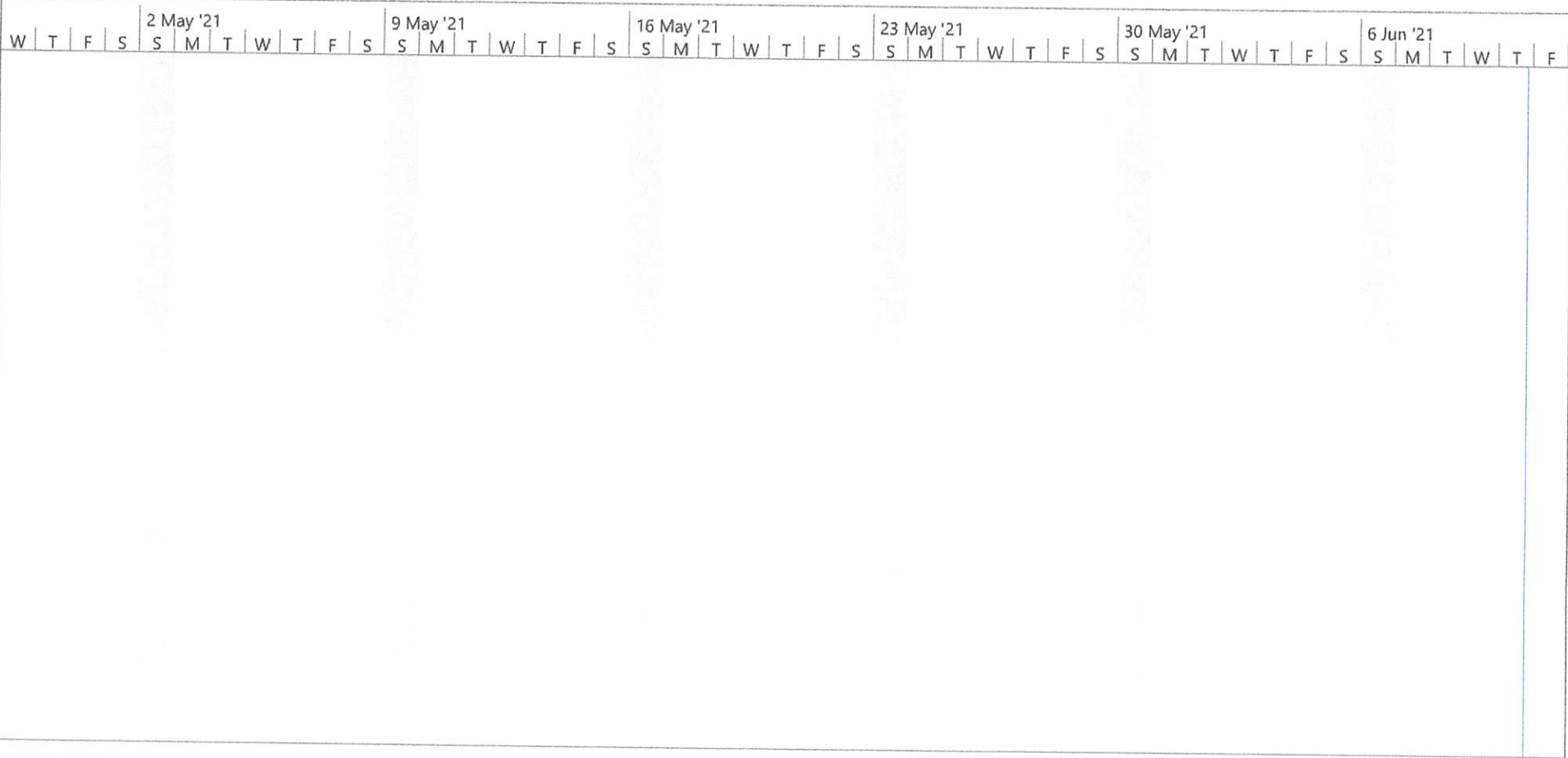
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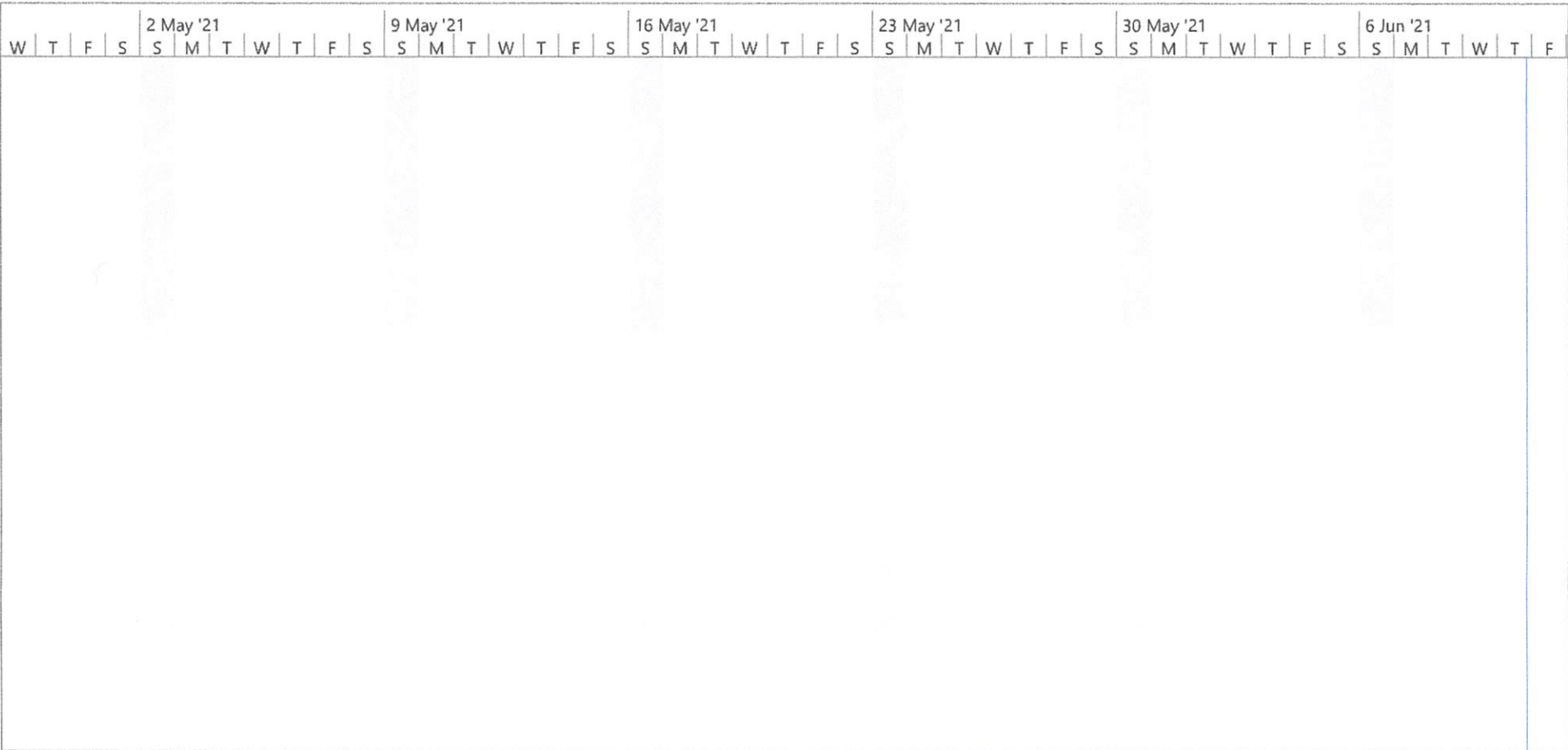
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Project Summary		External Milestone		Deadline	
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Baseline Summary		Manual Task			



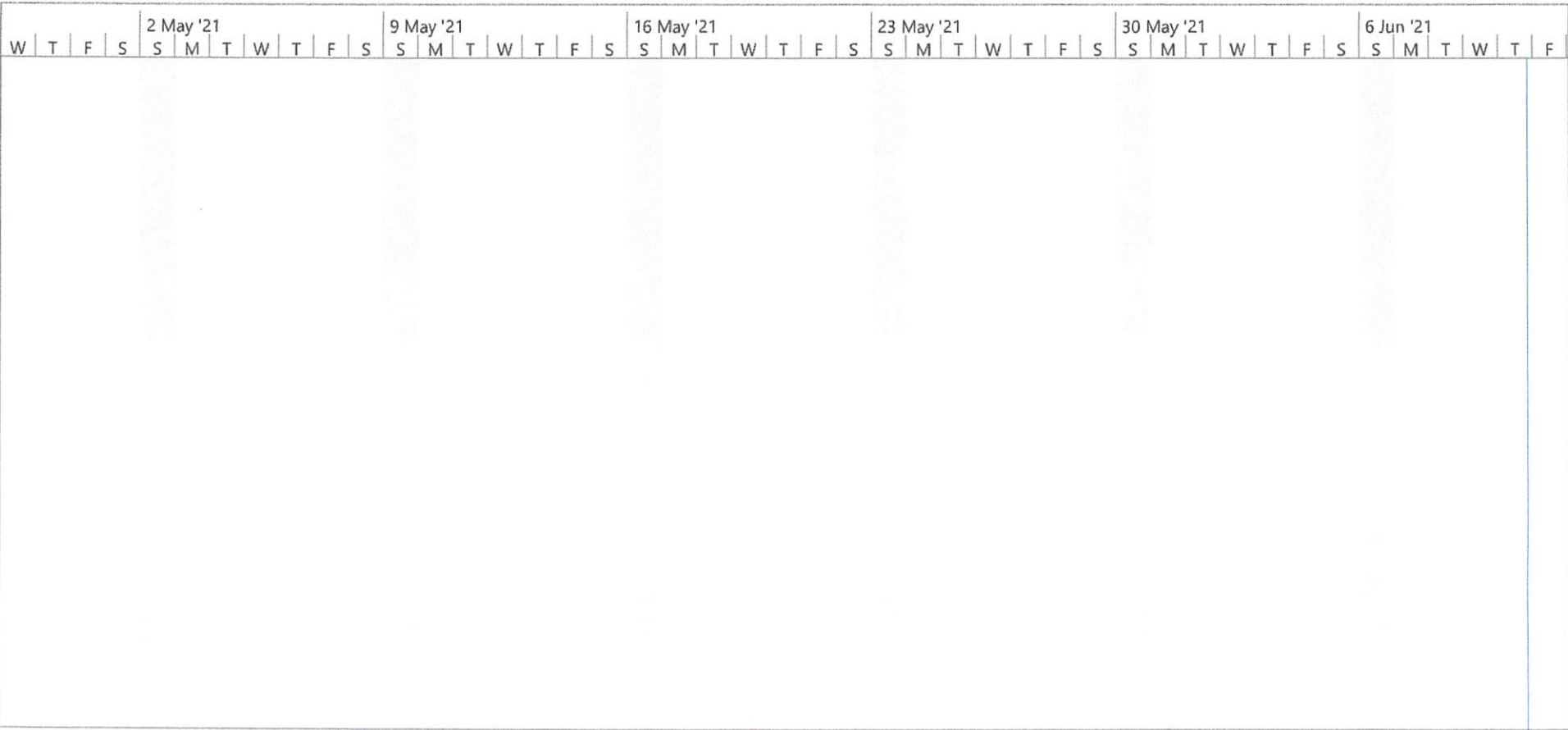
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Baseline Milestone		Baseline Split		Start-only	
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Rolled Up Task		Inactive Milestone		Progress	
Rolled Up Milestone		Inactive Summary			
Baseline Summary		Manual Task			



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Split		Rolled Up Baseline Milestone		Manual Summary Rollup	
Milestone		Rolled Up Progress		Manual Summary	
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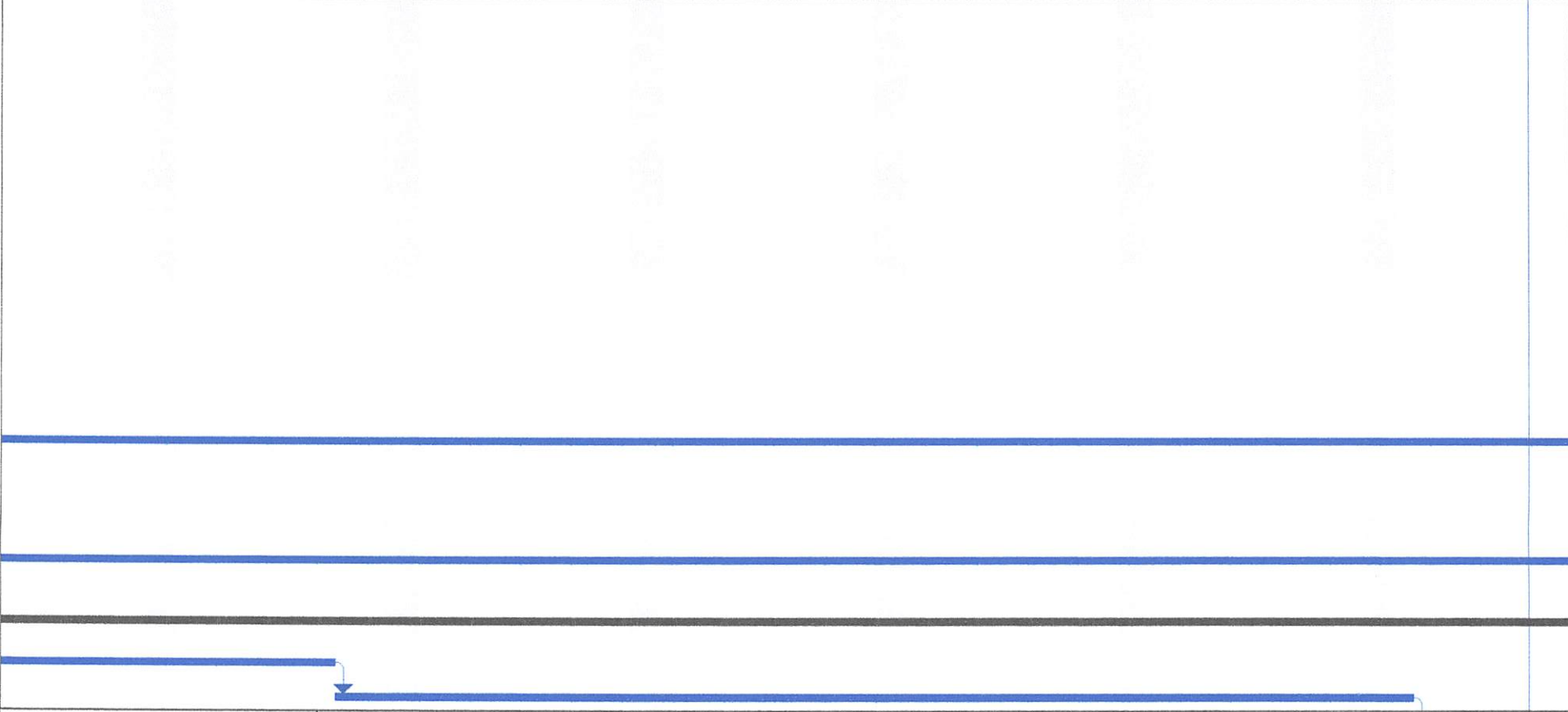


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Baseline Summary		Manual Task			



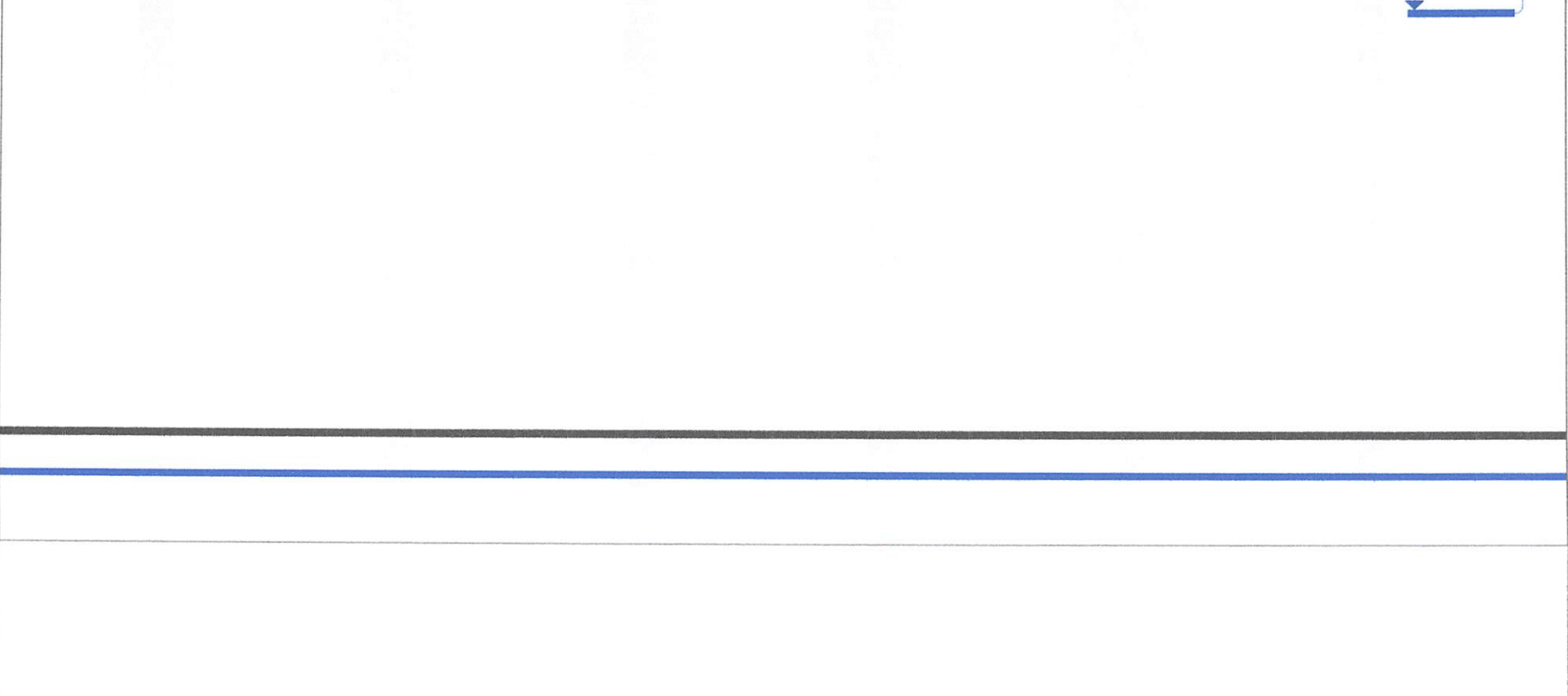
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Rolled Up Task		Inactive Milestone		Progress	
Rolled Up Milestone		Inactive Summary			
Baseline Summary		Manual Task			

W T F S 2 May '21 S M T W T F S 9 May '21 S M T W T F S 16 May '21 S M T W T F S 23 May '21 S M T W T F S 30 May '21 S M T W T F S 6 Jun '21 S M T W T F

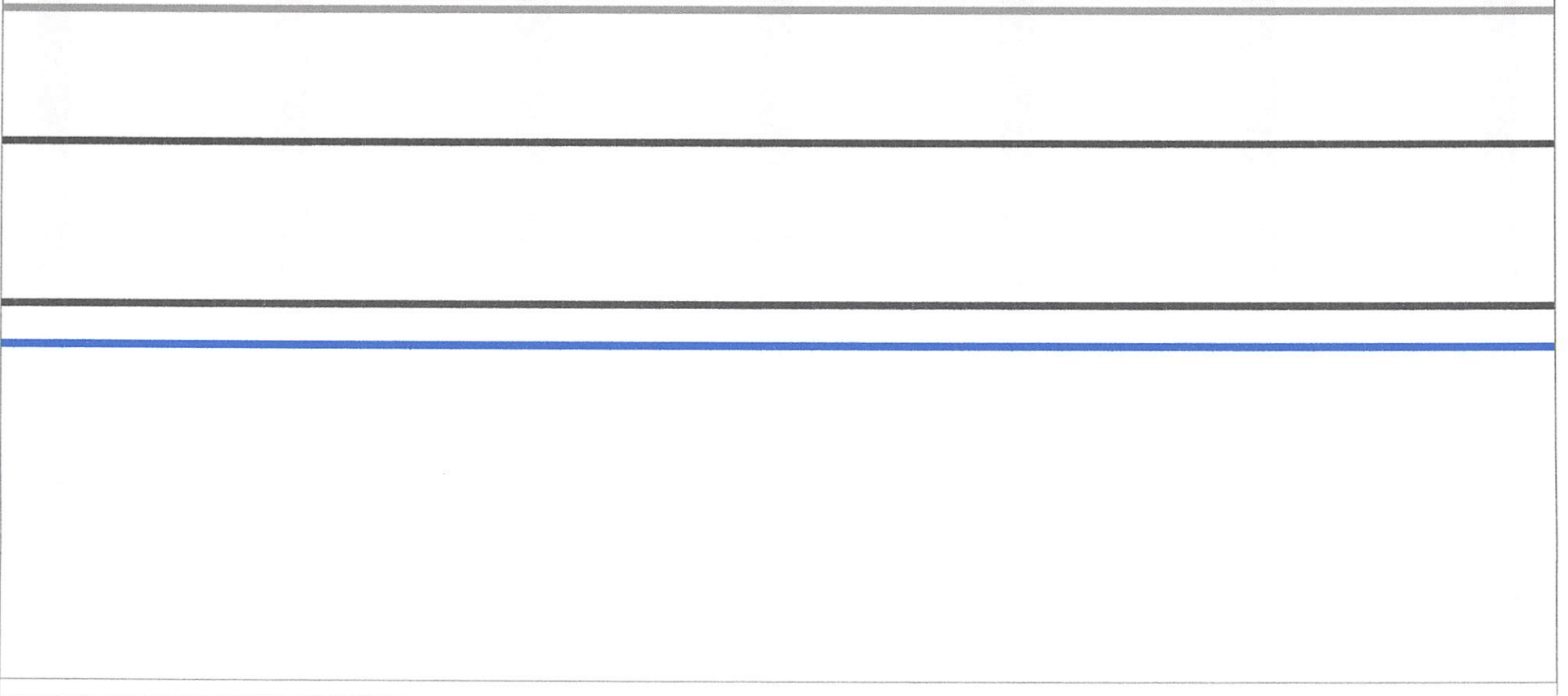


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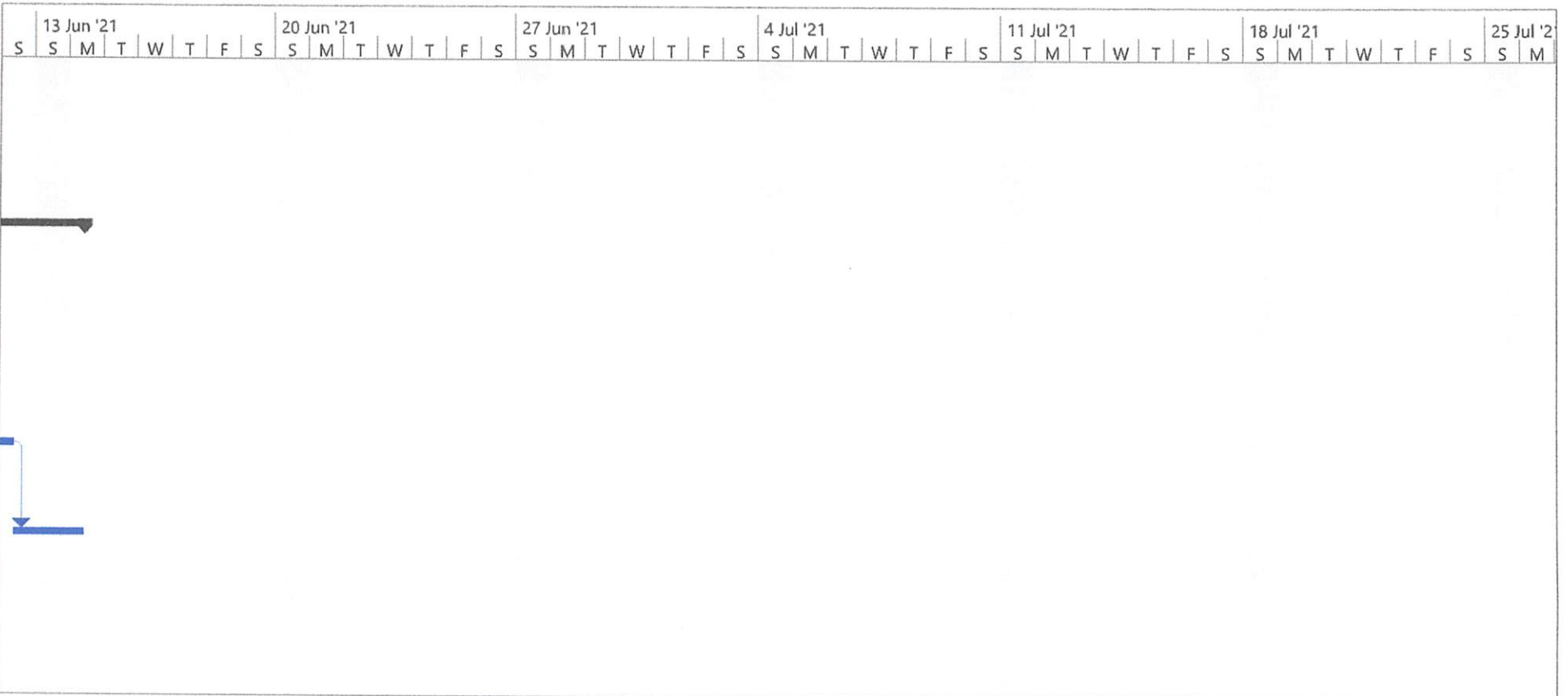
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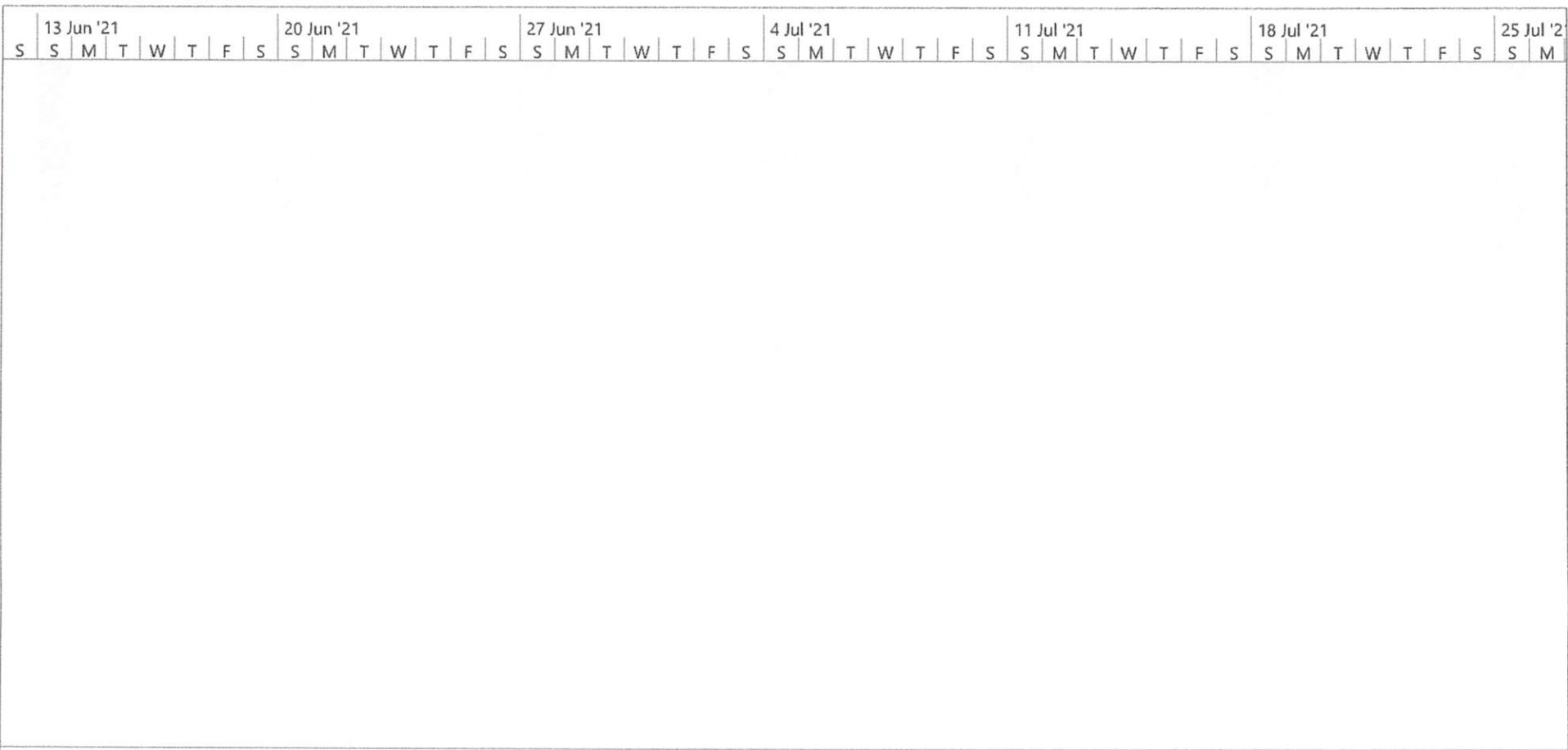
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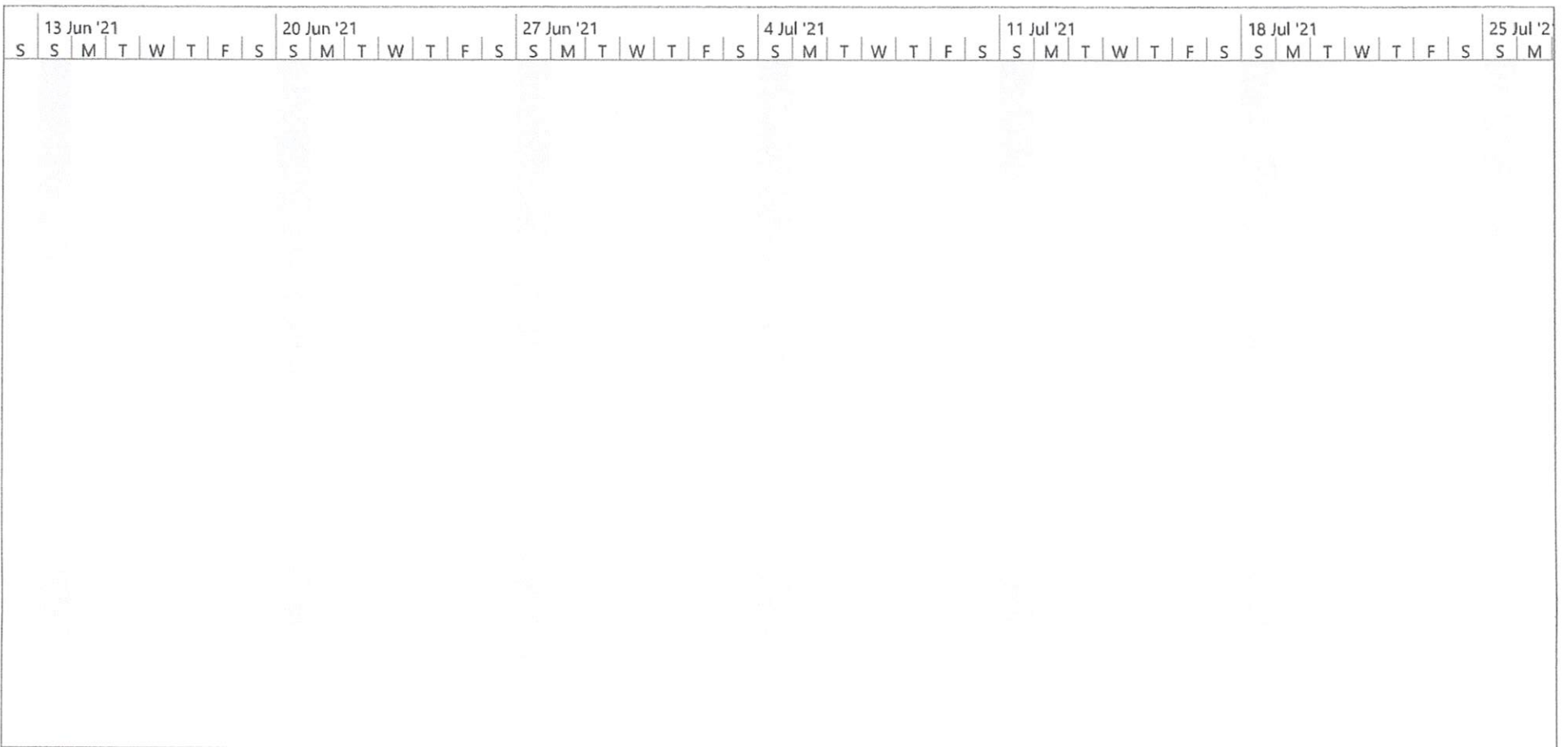
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Project Summary		External Milestone		Deadline	
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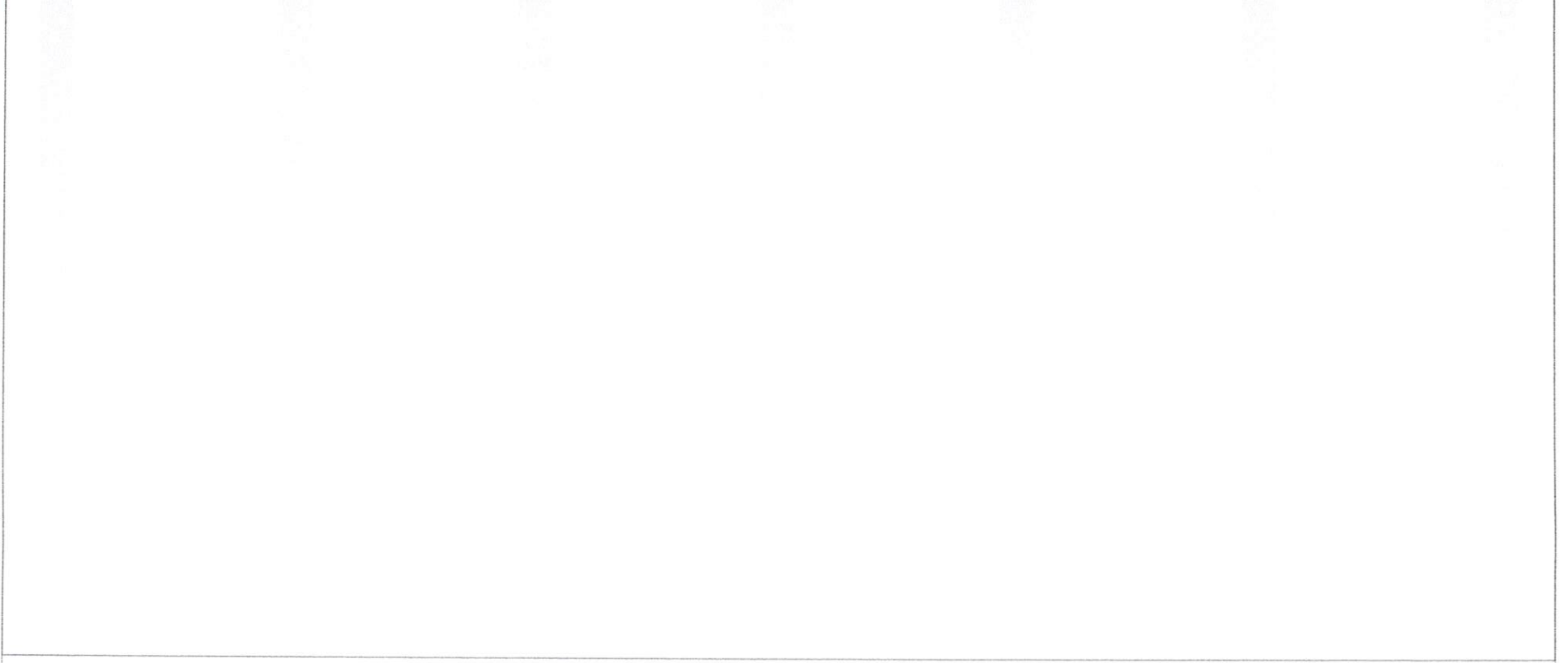
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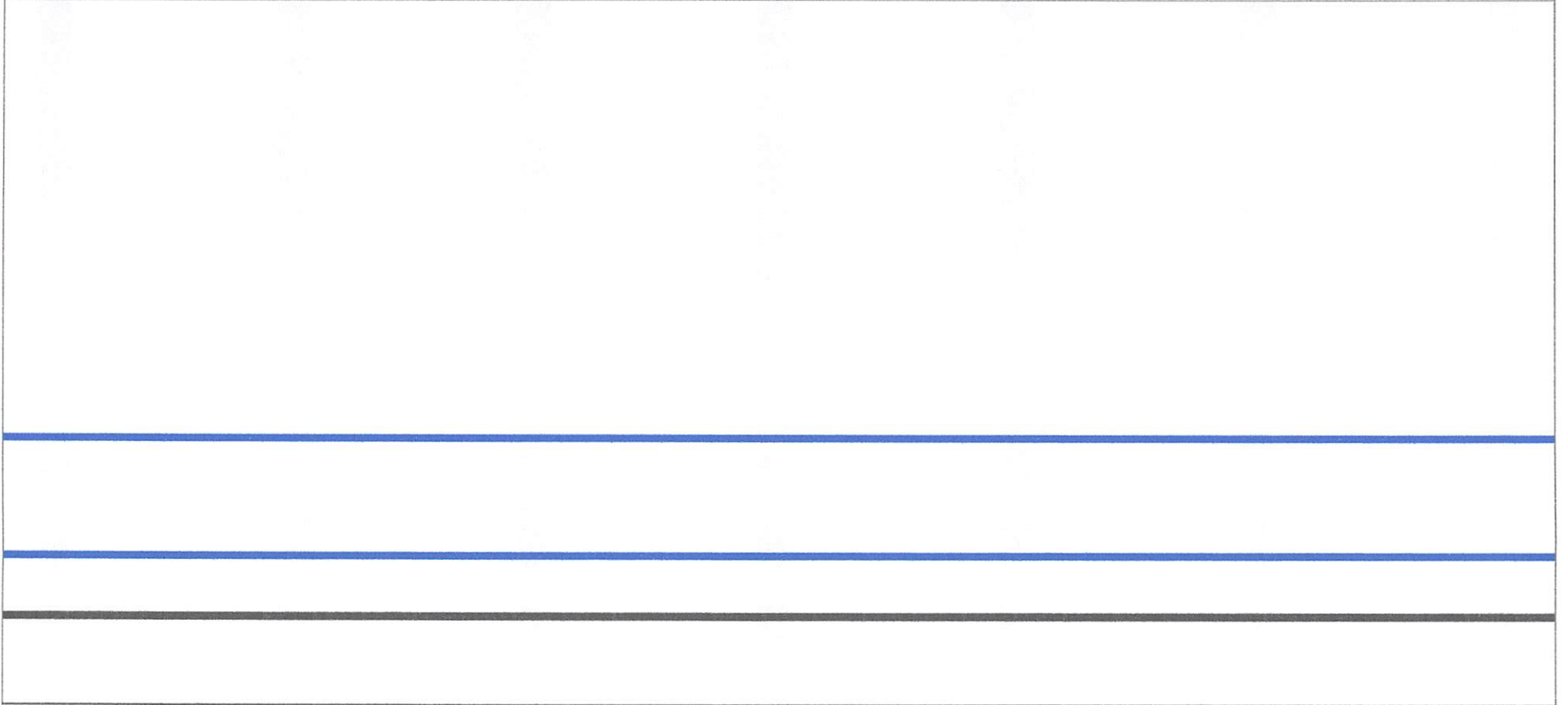


Task		Rolled Up Baseline		Duration-only	
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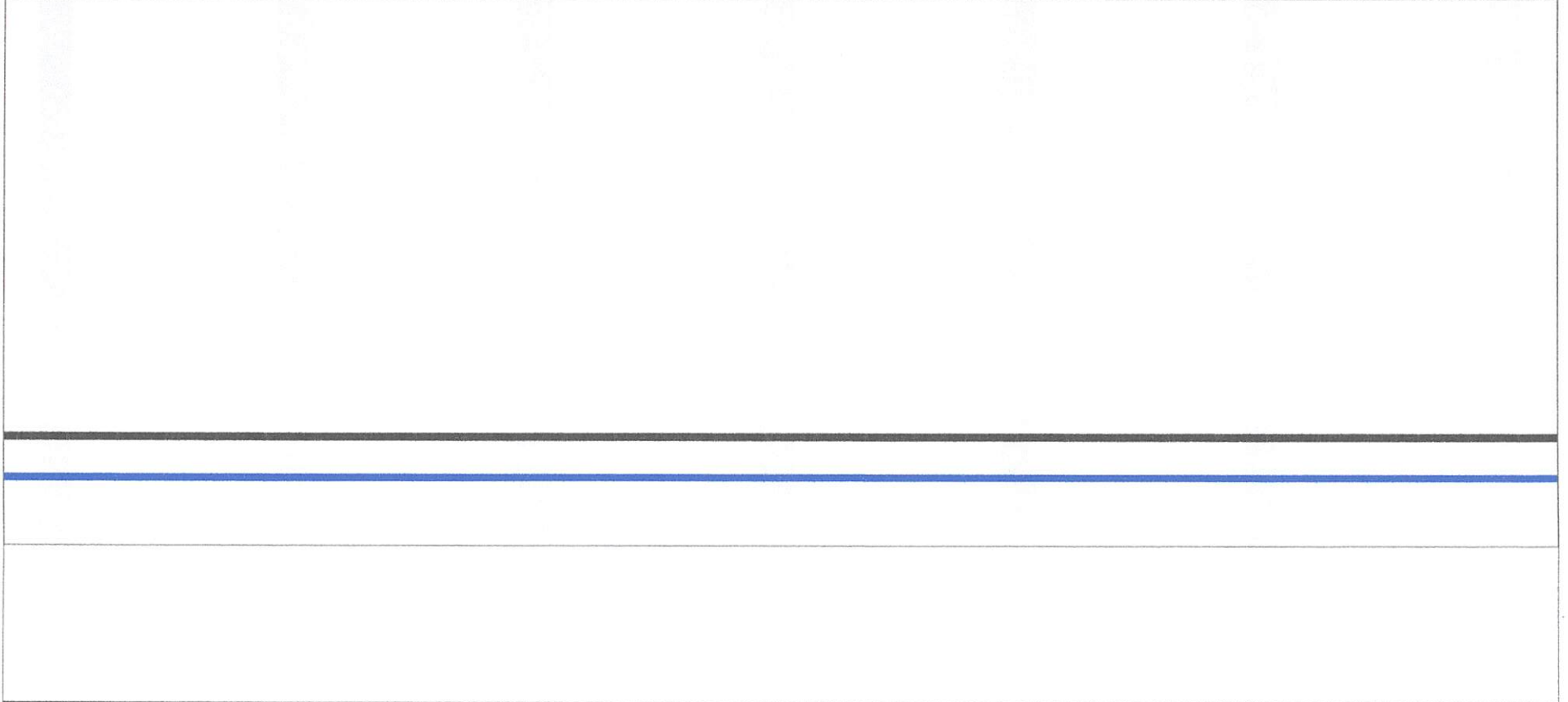
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Baseline Summary		Manual Task			

13 Jun '21 20 Jun '21 27 Jun '21 4 Jul '21 11 Jul '21 18 Jul '21 25 Jul '21

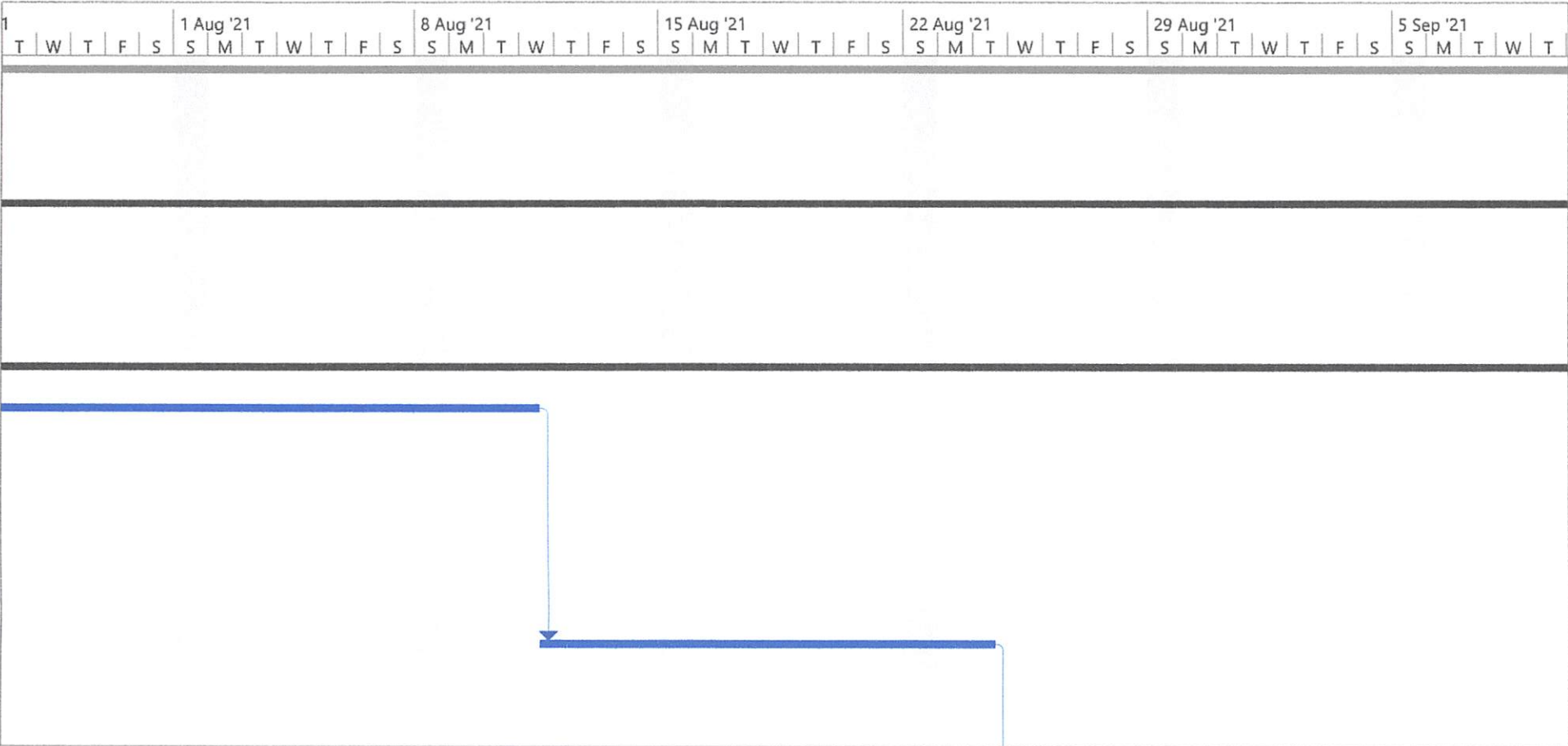


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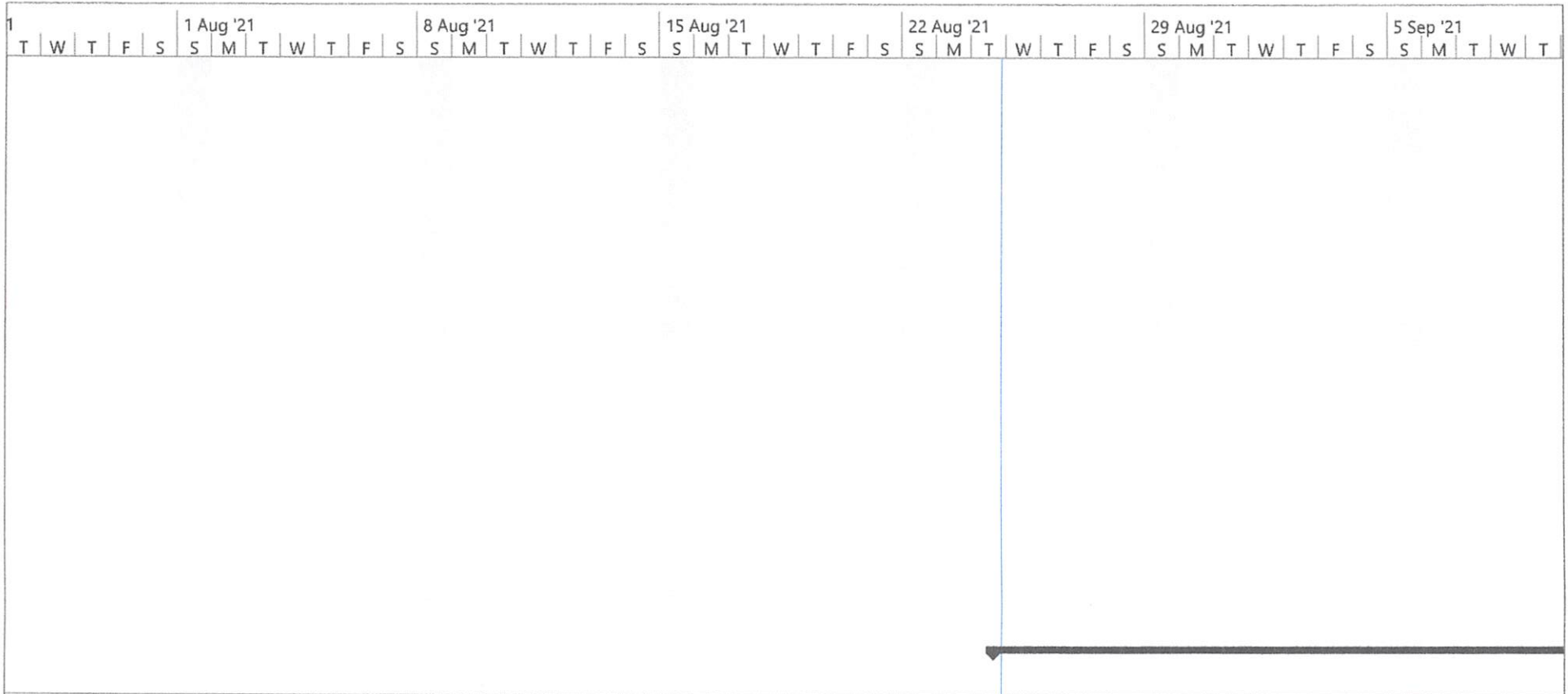
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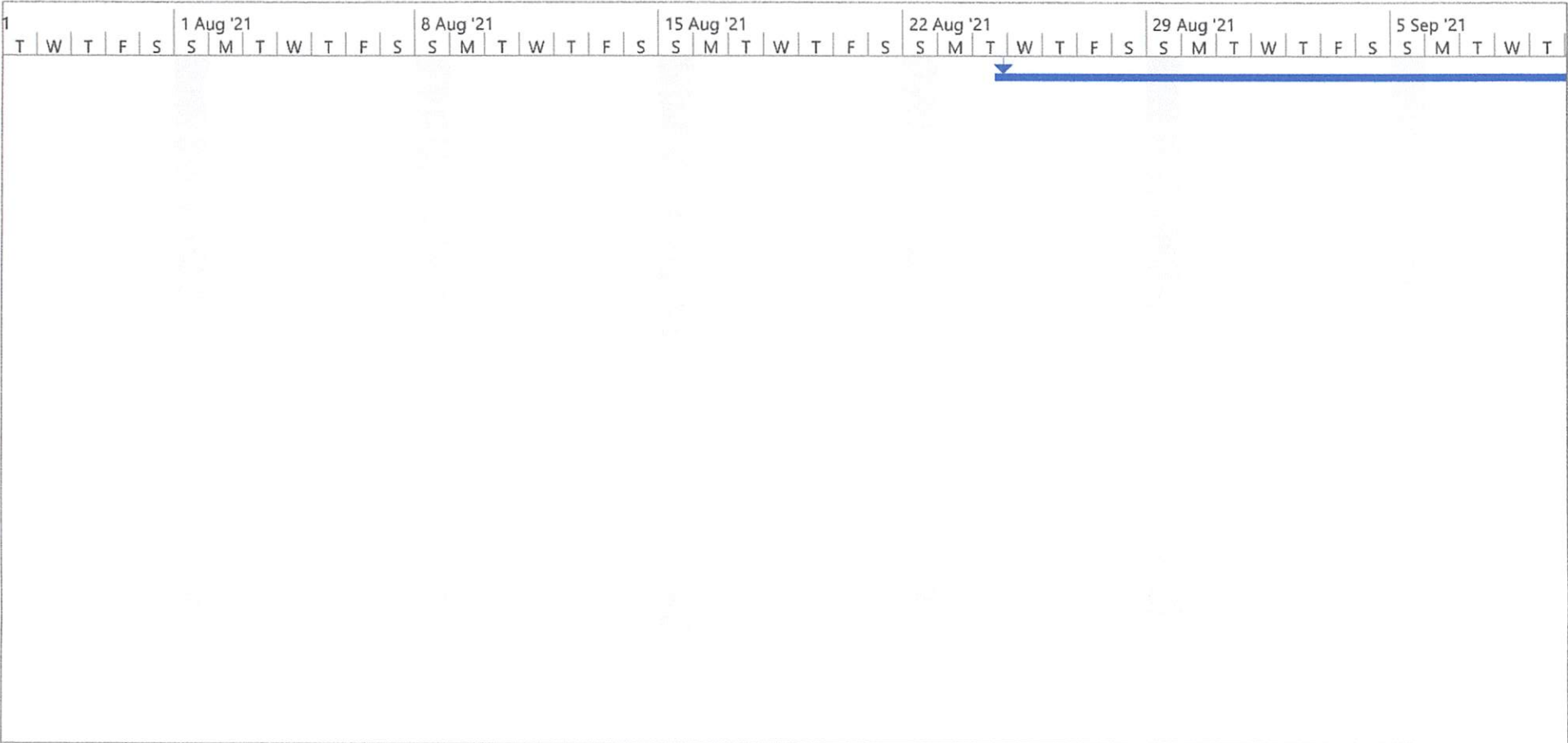
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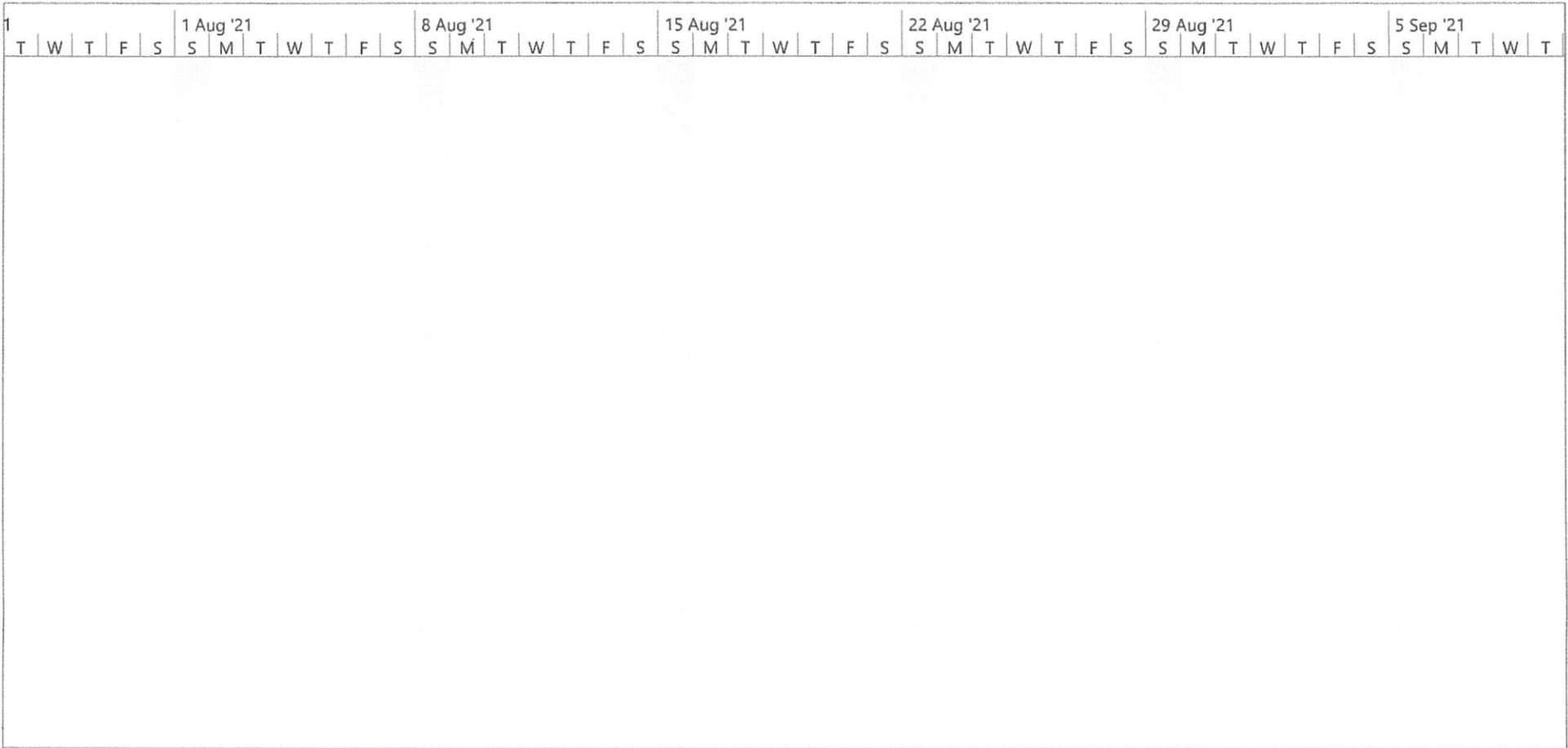
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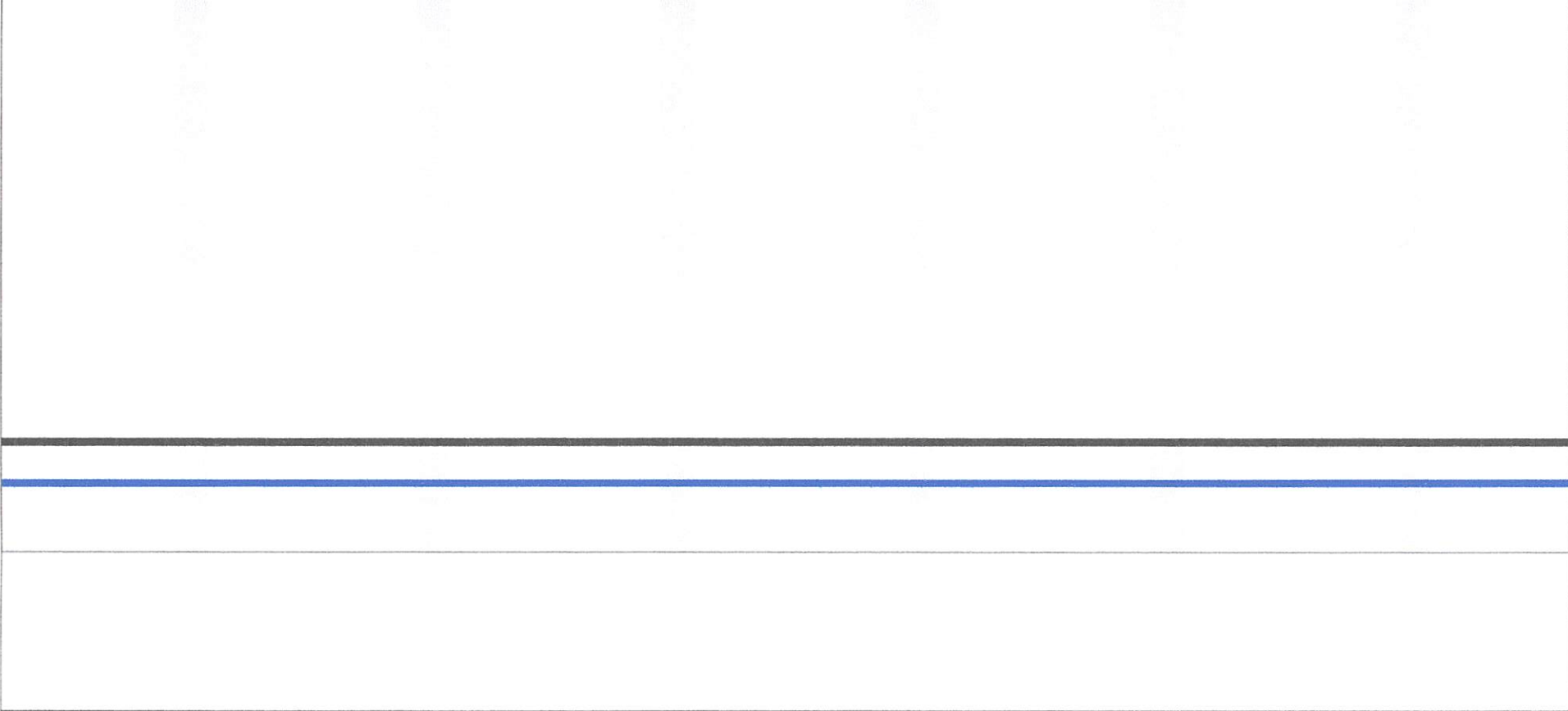
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1 T W T F S 1 Aug '21 S M T W T F S 8 Aug '21 S M T W T F S 15 Aug '21 S M T W T F S 22 Aug '21 S M T W T F S 29 Aug '21 S M T W T F S 5 Sep '21 S M T W T

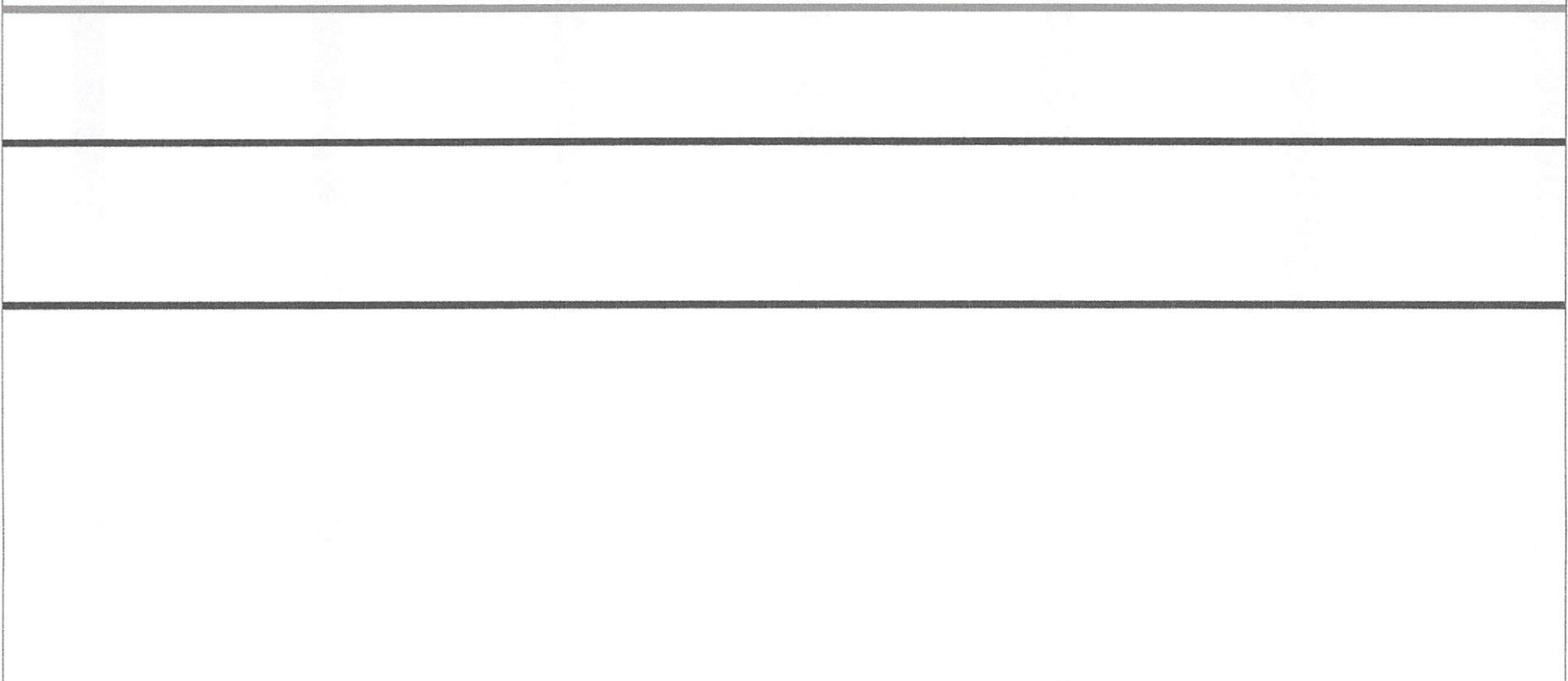


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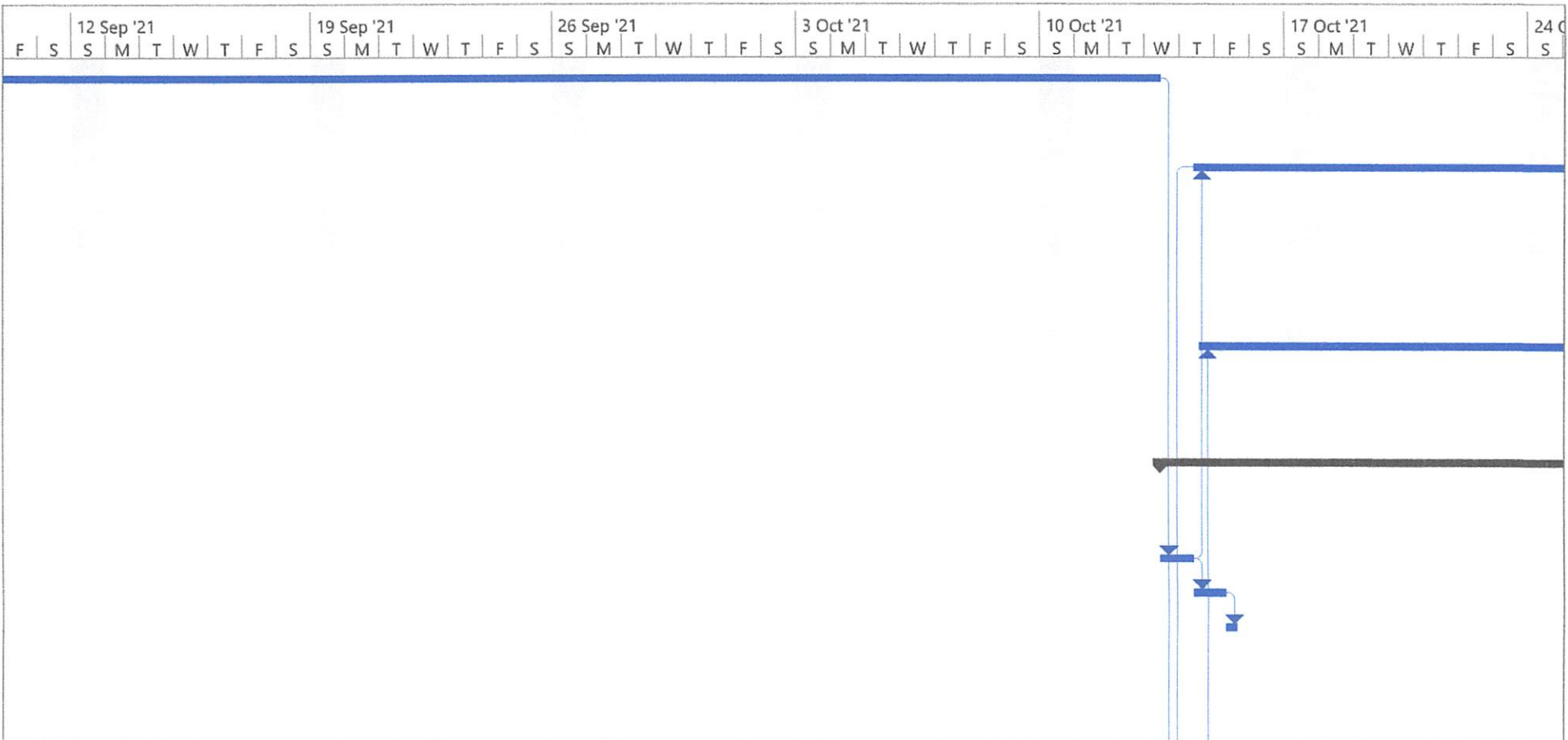


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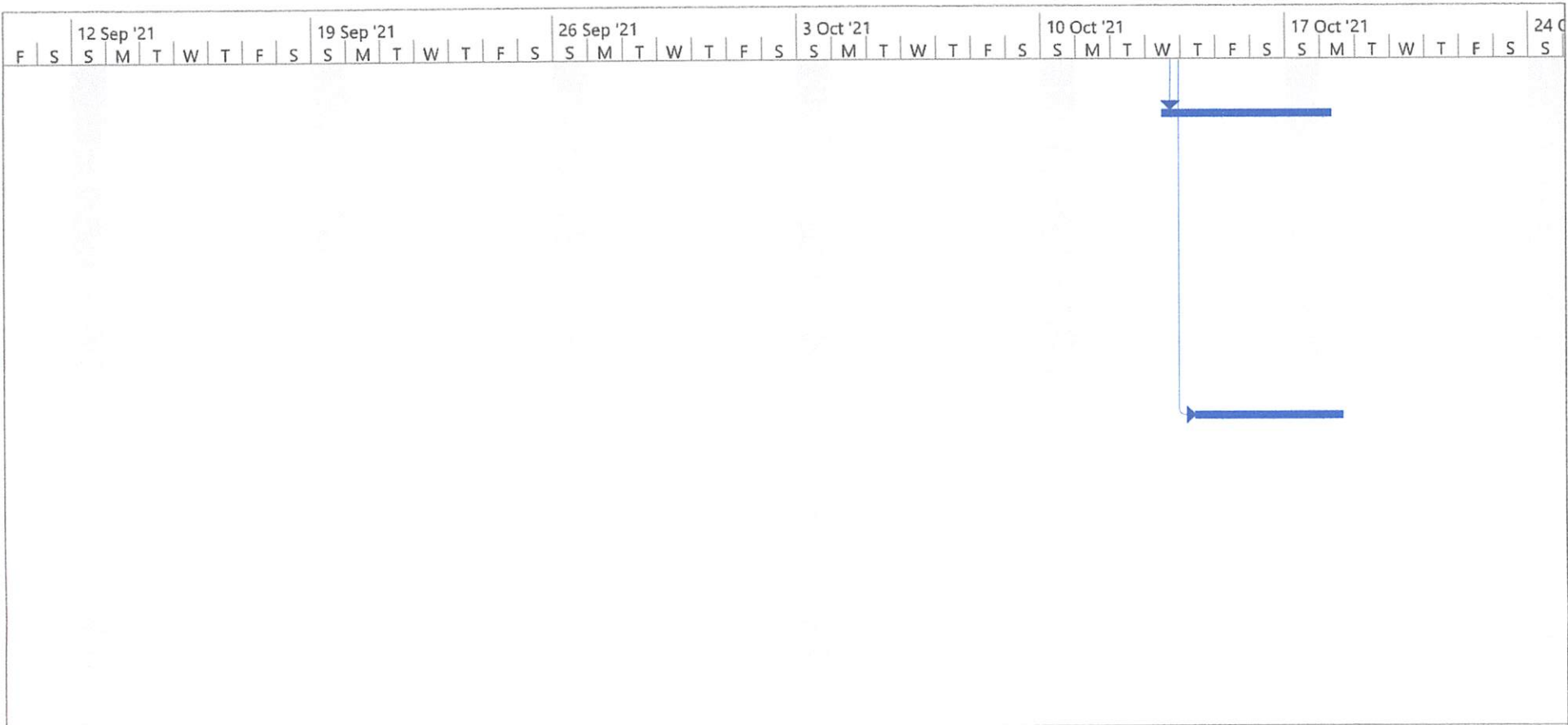
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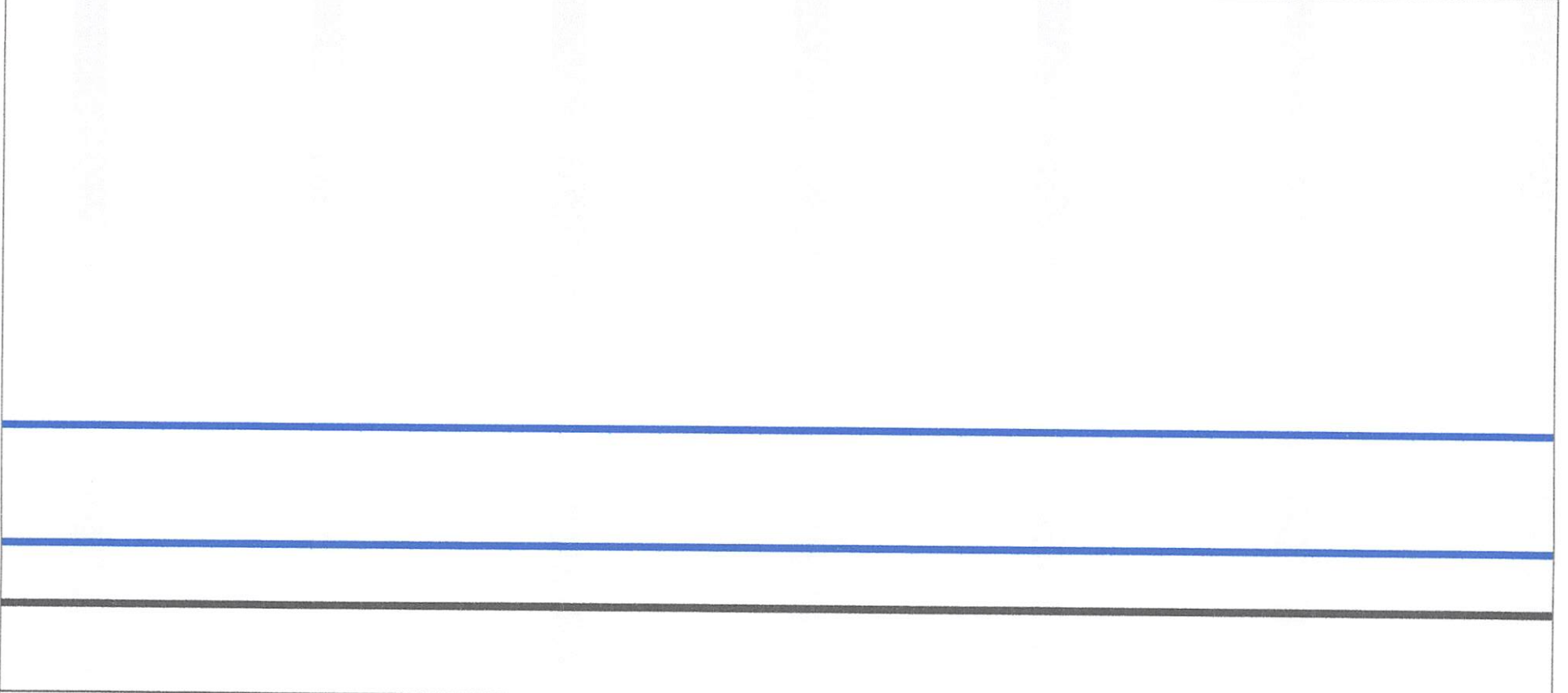
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12 Sep '21 19 Sep '21 26 Sep '21 3 Oct '21 10 Oct '21 17 Oct '21 24 Oct '21

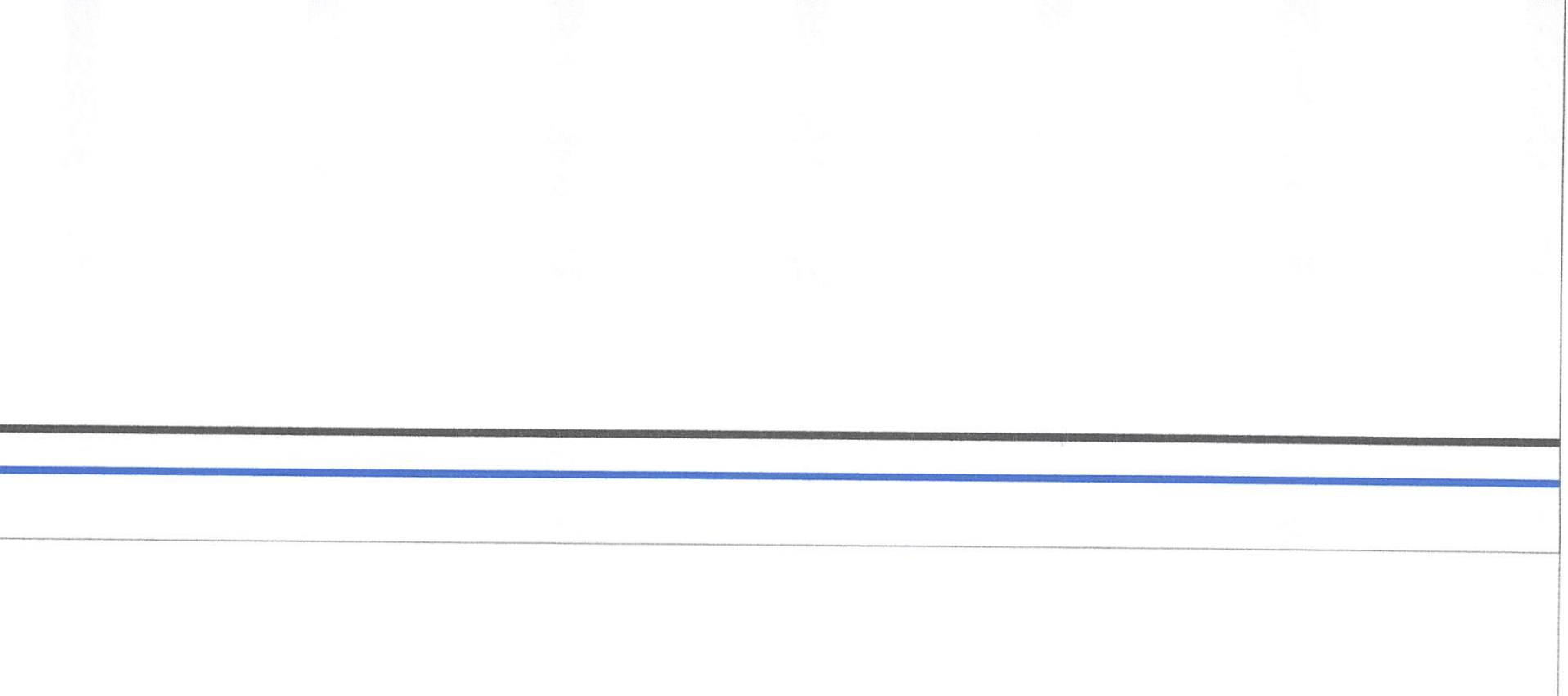
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Task		Rolled Up Baseline		Duration-only	
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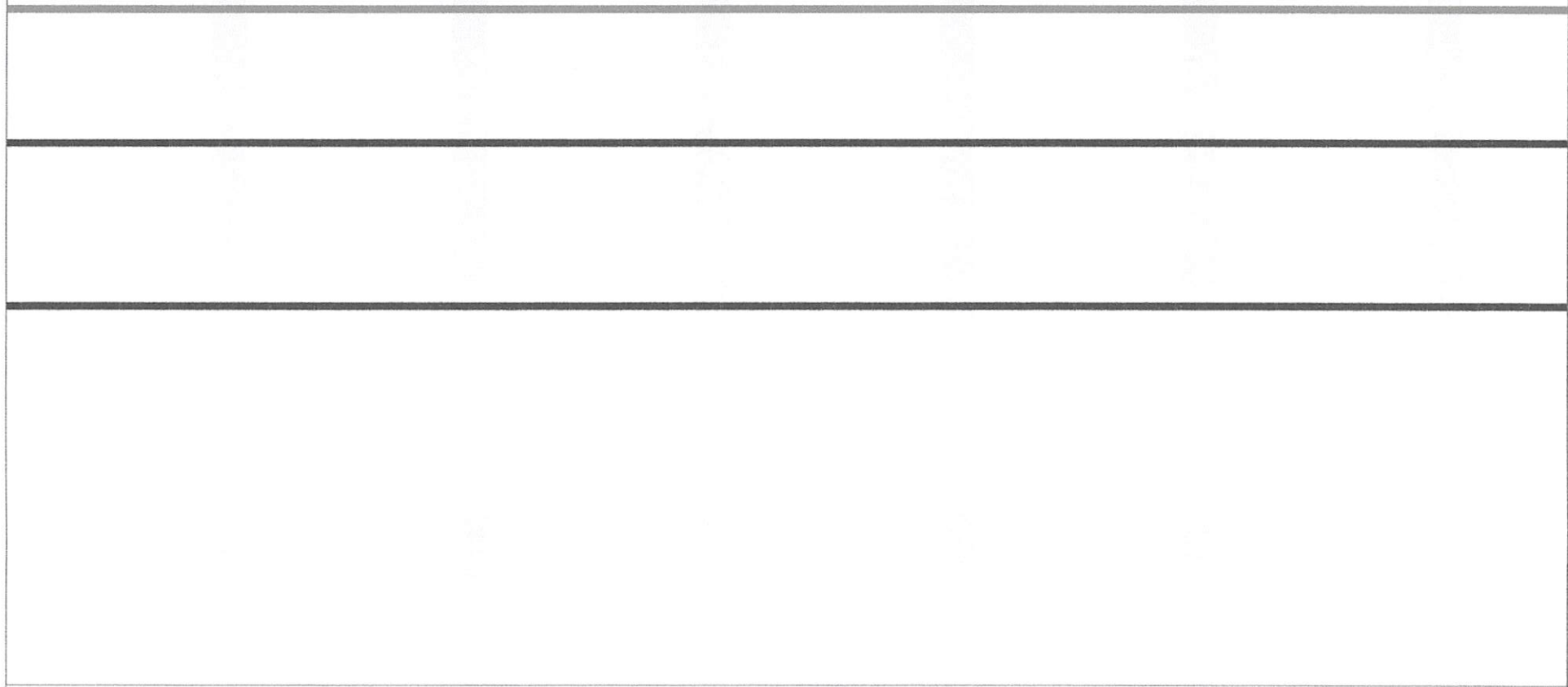
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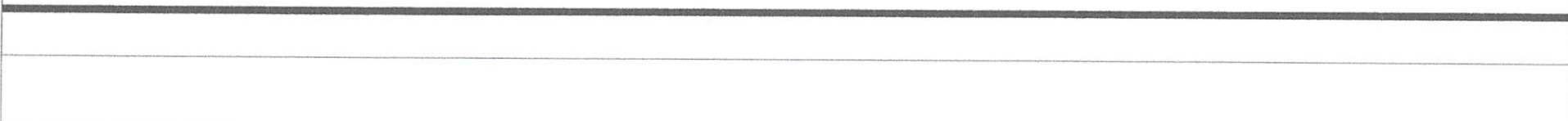
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Oct '21 | 31 Oct '21 | 7 Nov '21 | 14 Nov '21 | 21 Nov '21 | 28 Nov '21 | 5 Dec '21
M T W T F S S M T W T F S S M T W T F S S M T W T F S S M T W T F S S M T W



Task		Rolled Up Baseline		Duration-only	
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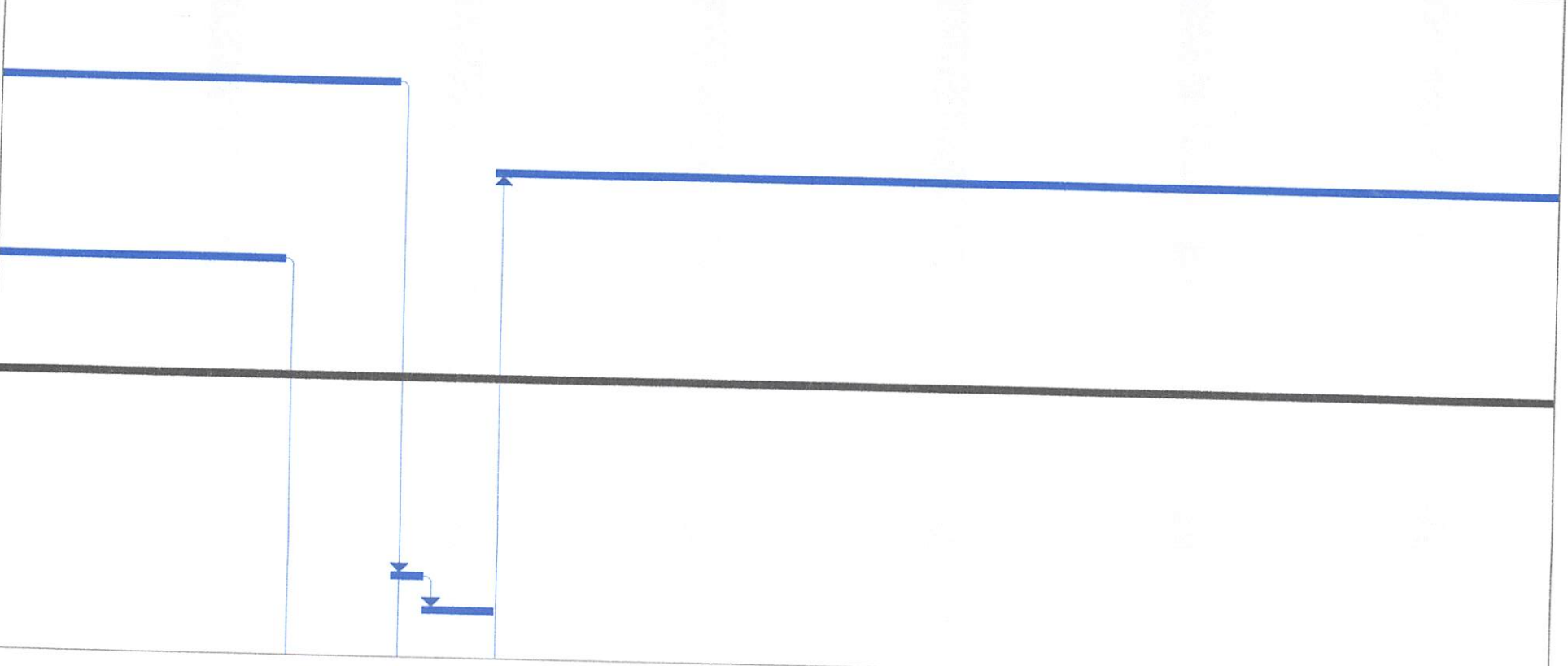
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M | T | W | T | F | S | S | M | T | W | T | F | S | S | M | T | W | T | F | S | S | M | T | W | T | F | S | S | M | T | W



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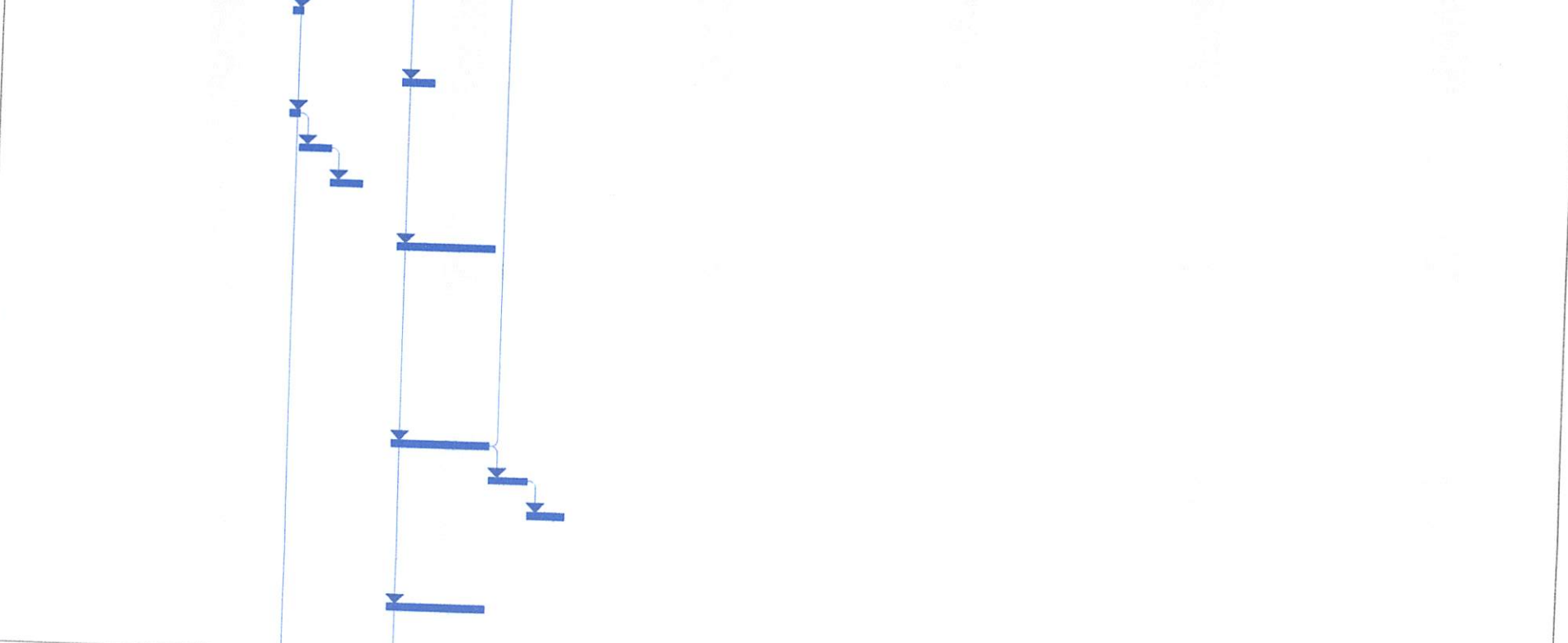
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Task		Rolled Up Baseline		Duration-only	
Split		Rolled Up Baseline Milestone		Manual Summary Rollup	
Milestone		Rolled Up Progress		Manual Summary	
Baseline Milestone		Baseline Split		Start-only	
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Rolled Up Task		Inactive Milestone		Progress	
Rolled Up Milestone		Inactive Summary			
Baseline Summary		Manual Task			

Oct '21 | 31 Oct '21 | 7 Nov '21 | 14 Nov '21 | 21 Nov '21 | 28 Nov '21 | 5 Dec '21

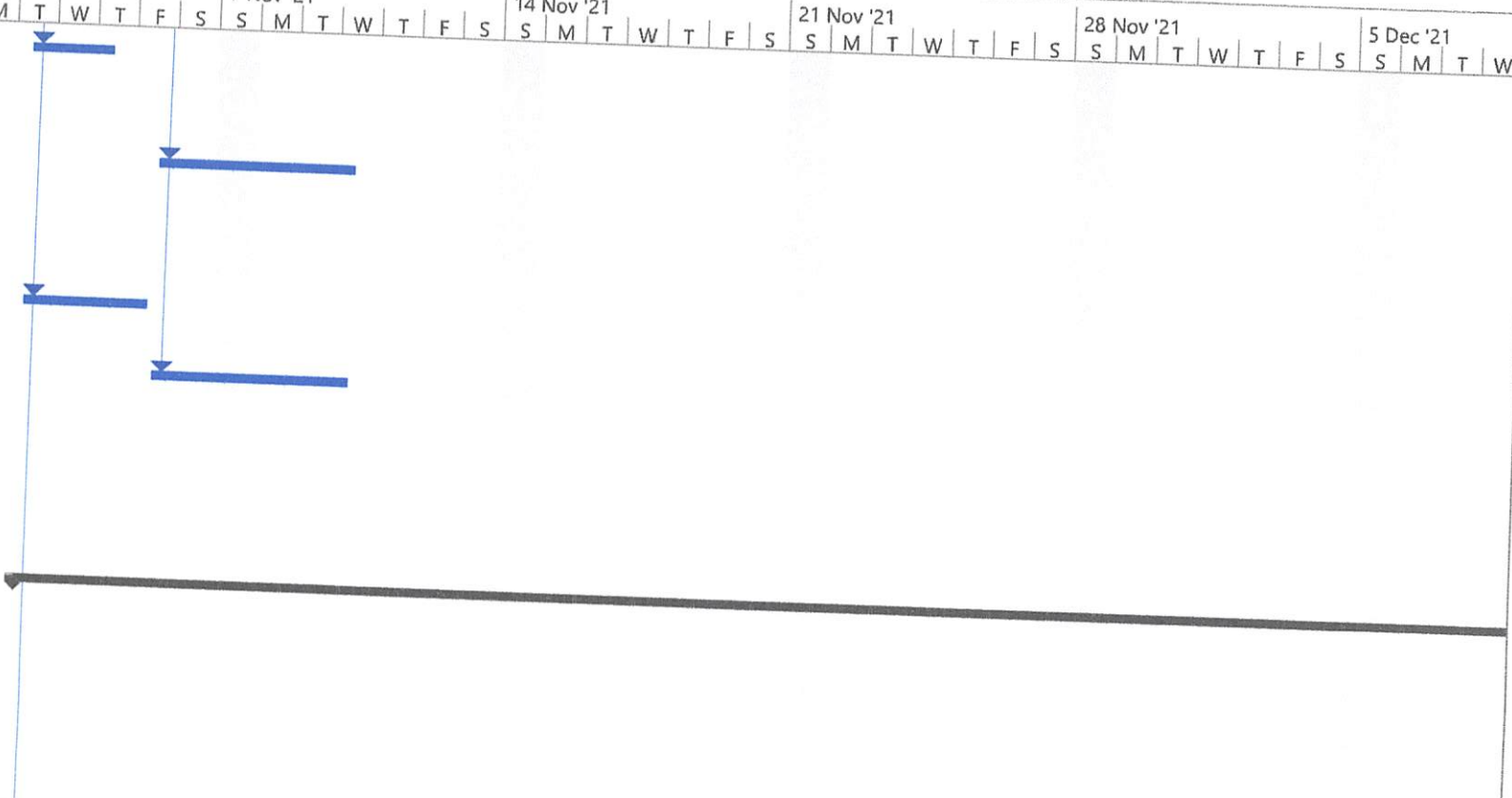
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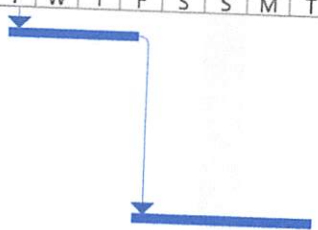
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Task		Rolled Up Baseline		Duration-only	
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Task		Rolled Up Baseline		Duration-only	
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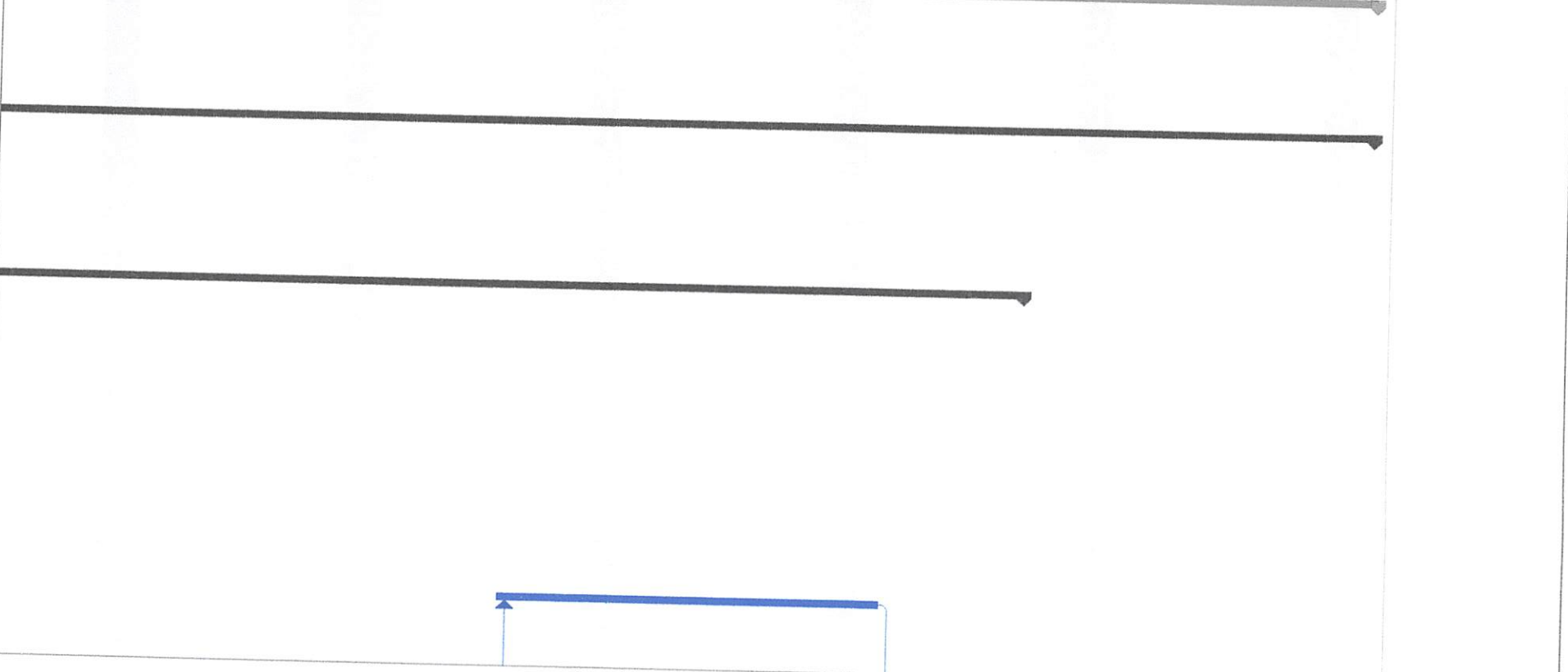
Oct '21 | 31 Oct '21 | 7 Nov '21 | 14 Nov '21 | 21 Nov '21 | 28 Nov '21 | 5 Dec '21

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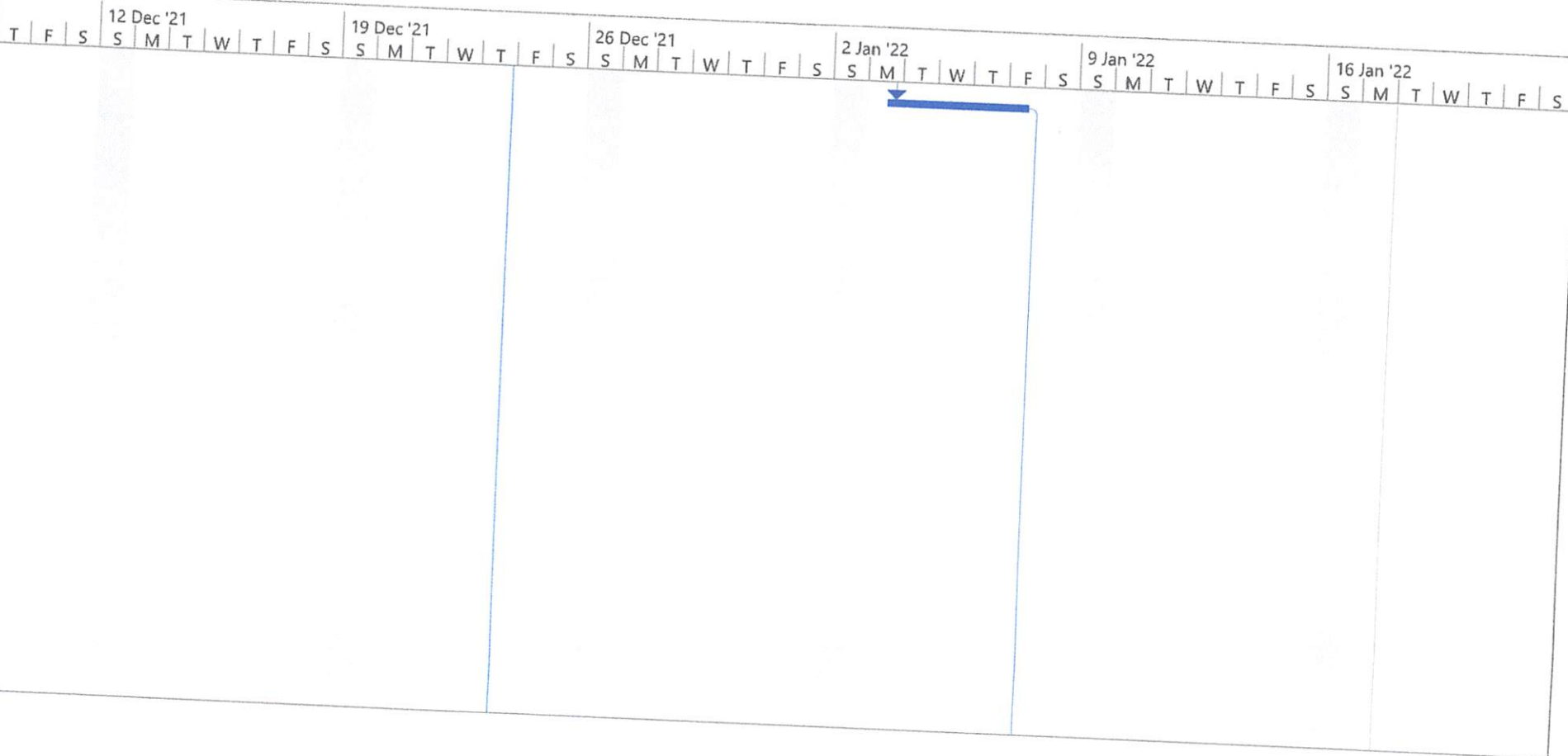
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12 Dec '21 19 Dec '21 26 Dec '21 2 Jan '22 9 Jan '22 16 Jan '22



Task		Rolled Up Baseline		Duration-only	
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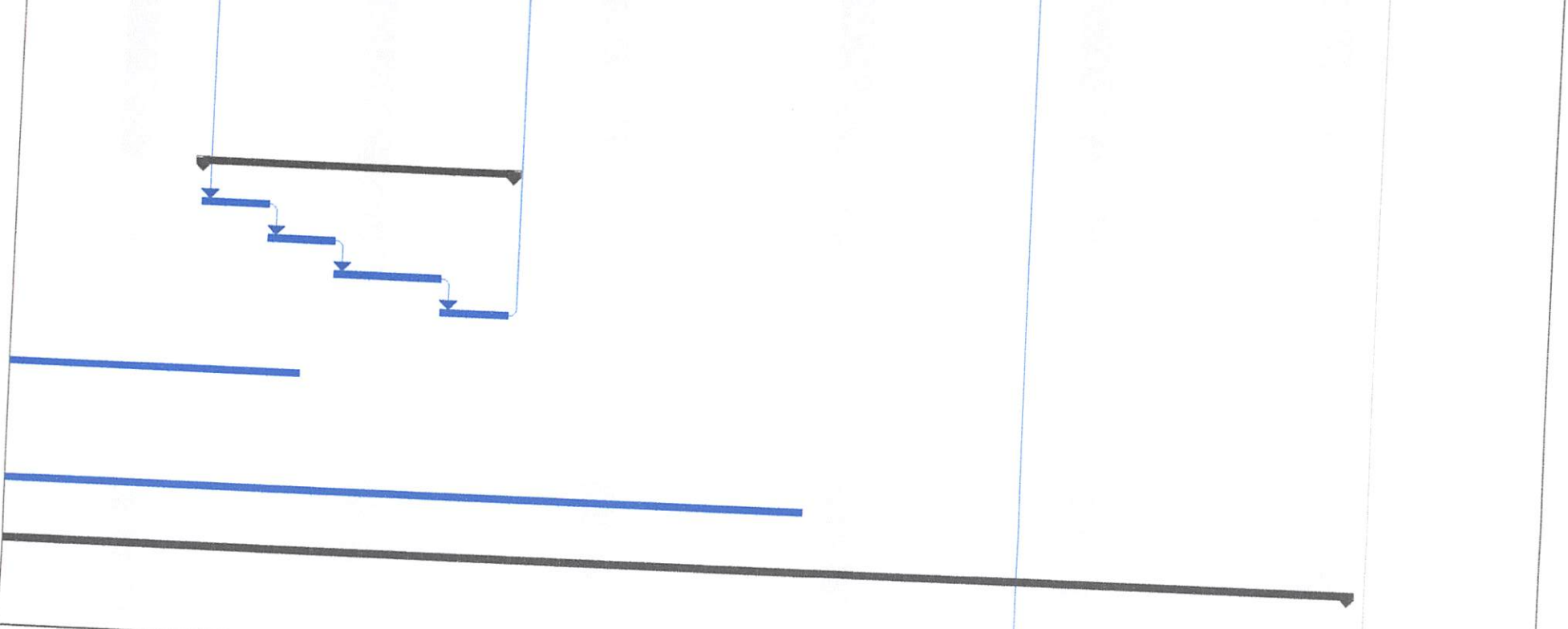
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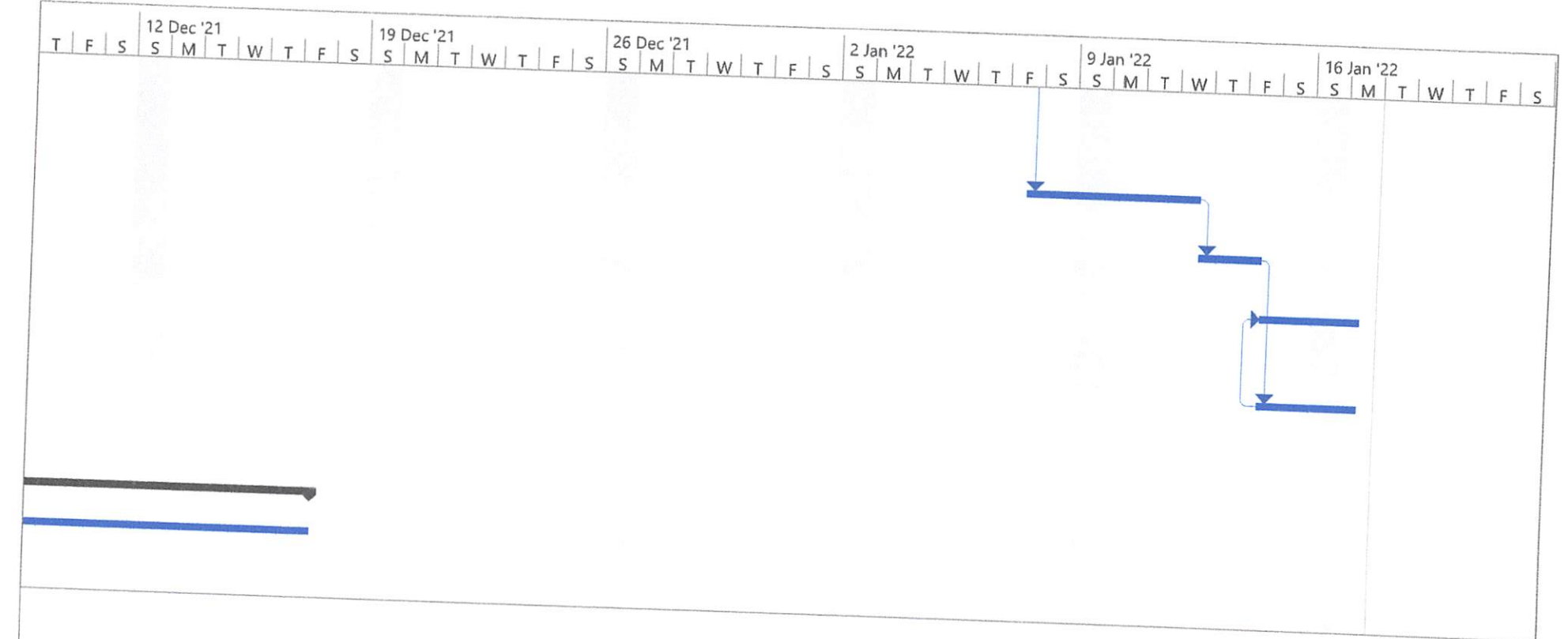
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12 Dec '21 19 Dec '21 26 Dec '21 2 Jan '22 9 Jan '22 16 Jan '22

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INSTITUTO NACIONAL DE AGUAS POTABLES Y ALCANTARILLADOS

*** INAPA ***

DIRECCION DE INGENIERIA
DEPARTAMENTO DE COSTOS Y PRESUPUESTOS

Presupuesto No. 152 D/F 20/10/2020

Obra: REDES LAS MERCEDES Y CRUCE DE LA BOMBA

Ubicación: PROVINCIA SANTO DOMINGO - MONTE PLATA

ZONA : IV

PART.	DESCRIPCION	CANTIDAD	UD	P.U. (RD\$)	VALOR (RD\$)
A	RED DE DISTRIBUCION LOS SECTORES LAS MERCEDES ESTACION (000 A 930) Y CRUCE DE LA BOMBA ESTACION (2 + 700 A 3 + 120)				
1	REPLANTEO	3,437.91	M	14.63	50,296.62
2	MOVIMIENTO DE TIERRA:				
2.1	EXCAVACION MATERIAL COMPACTO C/EQUIPO	2,353.37	M3	154.52	363,642.73
2.2	ASIEN TO DE ARENA	214.27	M3	1,110.39	237,923.27
2.3	RELLENO COMPACTADO C/COMPACTADOR MECANICO EN CAPAS 0.20	2,066.78	M3	184.68	381,692.93
2.4	BOTE DE MATERIAL C/CAMON D= 5 KM (SUJETO A CUANTIFICACION DEL SUPERVISOR)	415.91	M3	210.00	87,341.10
3	SUMINISTRO DE TUBERIA:				
3.1	TUBERIA Ø6" PVC (SDR-26 C/J.G.) + 3% DE PERDIDA POR CAMPANA	824.00	M	1,633.99	1,346,407.76
3.2	TUBERIA Ø3" PVC (SDR-26 C/J.G.) + 2% DE PERDIDA POR CAMPANA	2,690.67	M	469.53	1,263,350.29
4	COLOCACION DE TUBERIA:				
4.1	TUBERIA Ø6" PVC (SDR-26 C/J.G.) + 3% DE PERDIDA POR CAMPANA	824.00	M	39.30	32,383.20
4.2	TUBERIA Ø3" PVC (SDR-26 C/J.G.) + 2% DE PERDIDA POR CAMPANA	2,690.67	M	27.98	75,284.95
5	SUMINISTRO Y COLOCACION DE PIEZAS ESPECIALES				
5.1	CODO Ø6"x30° ACERO SCH-40 CON PROTECCION ANTICORROSIVA	1.00	U	3,820.93	3,820.93
5.2	CODO Ø3"x 45° ACERO SCH-80 CON PROTECCION ANTICORROSIVA	24.00	U	1,320.04	31,680.96
5.3	CODO Ø3"x 90° ACERO SCH-80 CON PROTECCION ANTICORROSIVA	7.00	U	1,644.54	11,511.78
5.4	JUNTAS MECANICAS TIPO DRESSER DE Ø6"	58.00	U	2,390.48	138,647.84
5.5	JUNTAS MECANICAS TIPO DRESSER DE Ø3"	33.00	U	1,384.48	45,687.84
5.6	TAPON Ø3" ACERO SCH-80 CON PROTECCION ANTICORROSIVA	31.00	U	1,449.38	44,930.78
5.7	REDUCCION DE Ø6" X Ø3" SCH-40 CON PROTECCION ANTICORROSIVA	1.00	U	2,847.43	2,847.43
5.8	TEE DE Ø6" X Ø3" ACERO SCH-40 CON PROTECCION ANTICORROSIVA	6.00	U	3,431.53	20,589.18
5.9	TEE DE Ø6" X Ø6" ACERO SCH-40 CON PROTECCION ANTICORROSIVA	1.00	U	5,054.03	5,054.03
5.10	TEE DE Ø3" X Ø3" ACERO SCH-80 CON PROTECCION ANTICORROSIVA	15.00	U	1,514.74	22,721.10
5.11	CRUZ DE Ø6" X Ø3" ACERO SCH-40 CON PROTECCION ANTICORROSIVA	5.00	U	3,561.33	17,806.65
5.12	CRUZ DE Ø3" X Ø3" ACERO SCH-80 CON PROTECCION ANTICORROSIVA	11.00	U	1,969.04	21,659.44
5.13	NIPLE DE Ø6" ACERO SCH-40 CON PROTECCION ANTICORROSIVA	3.00	U	4,281.72	12,845.16



INSTITUTO NACIONAL DE AGUAS POTABLES Y ALCANTARILLADOS

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DEPARTAMENTO DE COSTOS Y PRESUPUESTOS

Presupuesto No. 152 D/F 20/10/2020

Obra: REDES LAS MERCEDES Y CRUCE DE LA BOMBA

Ubicación: PROVINCIA SANTO DOMINGO - MONTE PLATA

ZONA : IV

PART.	DESCRIPCION	CANTIDAD	UD	P.U. (RD\$)	VALOR (RD\$)
5.14	ANCLAJE PARA TAPON H.S.	31.00	U	200.00	6,200.00
5.15	ANCLAJE H.S.	39.00	U	400.00	15,600.00
6	SUMINISTRO Y COLOCACION DE VALVULAS				
6.1	VALVULA DE COMPUERTA DE Ø6" PLATILLADA (INC. 2 JUNTAS DE GOMA, 2 NIPLE PLATILLADOS, 2 JUNTAS MECANICAS TIPO DRESSER Y 2 PARES DE TORNILLOS)	1.00	U	47,466.78	47,466.78
6.2	CAJA TELESCOPICA	1.00	U	3,125.00	3,125.00
7	ACOMETIDAS RURALES (387 U)				
7.1	COLLARIN EN POLIETILENO Ø3" (ABRAZADERA)	387.00	U	230.10	89,048.70
7.2	TUBERIA DE POLIETILENO DE ALTA DENSIDAD Ø1/2" INTERNO L=12.00M (PROMEDIO)	3,936.00	M	32.10	126,345.60
7.3	ADAPTADOR MACHO Ø1/2" ROSCADO A MANGUERA	774.00	U	53.10	41,099.40
7.4	CODO 1/2" X 90° HG	774.00	U	26.50	20,511.00
7.5	TUBERIA DE HIERRO GALVANIZADO Ø1/2" (BASTONES)	580.50	M	292.05	169,535.03
7.6	NIPLE Ø1/2" H.G.	387.00	U	35.40	13,699.80
7.7	COUPLING 1/2 H.G	387.00	U	28.32	10,959.84
7.8	LLAVE DE CHORRO Ø1/2" BRONCE	387.00	U	286.36	110,821.32
7.9	VALVULA CHECK 1/2" DE BRONCE	387.00	U	380.00	147,060.00
7.10	CEMENTO SOLVENTE Y TEFLON	387.00	P.A	12.89	4,988.43
7.11	PEDESTAL H.S (0.80 X 0.15)	766.26	U	200.00	153,252.00
7.12	EXCAVACION Y TAPADO	387.00	M3	409.39	158,433.93
7.13	MANO DE OBRA PLOMERO	387.00	U	250.00	96,750.00
8	ACOMETIDAS URBANAS (141 U)				
8.1	COLLARIN EN POLIETILENO Ø3" (ABRAZADERA)	141.00	U	230.10	32,444.10
8.2	TUBERIA DE POLIETILENO DE ALTA DENSIDAD Ø1/2" INTERNO L=6.00M (PROMEDIO)	846.00	M	32.10	27,156.60
8.3	ADAPTADOR MACHO Ø1/2" ROSCADO A MANGUERA	141.00	U	53.10	7,487.10
8.4	ADAPTADOR HEMBRA Ø1/2" ROSCADO A MANGUERA	282.00	U	53.10	14,974.20
8.5	LLAVE DE PASO DE Ø1/2"	141.00	U	286.36	40,376.76
8.6	CAJA DE ACOMETIDA PLASTICA EN POLIETILENO 10"	141.00	U	1,850.00	260,850.00
8.7	TUBERIA Ø1/2" SCH-40 PVC LONGITUD PROMEDIO	141.00	M	32.06	4,520.46
8.8	VALVULA CHECK 1/2" DE BRONCE	141.00	U	380.00	53,580.00
8.9	ANCLAJE DE H.S.	141.00	U	200.00	28,200.00
8.10	CEMENTO SOLVENTE Y TEFLON	141.00	P.A	12.89	1,817.49
8.11	TAPON HEMBRA Ø1/2"	141.00	U	6.90	972.90
8.12	EXCAVACION Y TAPADO	279.18	M3	409.39	114,293.50
8.13	MANO DE OBRA PLOMERO	141.00	U	300.00	42,300.00
9	PRUEBA HIDROSTATICA				
9.1	TUBERIA Ø6" PVC (SDR-26 C/J.G.) + 3% DE PERDIDA POR CAMPANA	800.00	M	16.76	13,408.00
9.2	TUBERIA Ø3" PVC (SDR-26 C/J.G.) + 2% DE PERDIDA POR CAMPANA	2,637.91	M	7.68	20,259.15



INSTITUTO NACIONAL DE AGUAS POTABLES Y ALCANTARILLADOS

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DIRECCION DE INGENIERIA

DEPARTAMENTO DE COSTOS Y PRESUPUESTOS

Presupuesto No. 152 D/F 20/10/2020

Obra: REDES LAS MERCEDES Y CRUCE DE LA BOMBA

Ubicación: PROVINCIA SANTO DOMINGO - MONTE PLATA

ZONA : IV

PART.	DESCRIPCION	CANTIDAD	UD	P.U. (RD\$)	VALOR (RD\$)
10	ACERA PERIMETRAL 0.80 M	496.00	M2	681.45	337,999.20
11	CONTEN	620.00	M	645.70	400,334.00
12	PAVIMENTO (620M)				
12.1	CORTE DE ASFALTO E= 2"	1,240.00	M	47.61	59,036.40
12.2	REMOCION DE CARPETA ASFALTICA 2"	465.00	M2	41.00	19,065.00
12.3	SUMINISTRO Y COLOCACION MATERIAL DE BASE	125.55	M3	610.30	76,623.17
12.4	COMPACTACION MATERIAL DE BASE EN CAPA DE 0.20	119.27	M3	184.68	22,026.78
12.5	BOTE DE MATERIAL RELLENO Y ASFALTICO C/CAMION D = 5 KM	31.39	M3	210.00	6,591.90
12.6	REPOSICION CARPETA ASFALTICA (E = 0.05 M)	627.75	M2	843.75	529,664.06
12.7	TRANSPORTE DE ASFALTO (DIST. APROX. = 50 KM)	1,569.38	M3/KM	27.49	43,142.26
13	SEÑALIZACION, MANEJO DE TRANSITO Y SEGURIDAD VIAL (INC. OBREROS, MECHONES, CONOC, CINTA, AVISO DE PELIGRO Y LETREROS)	3,437.91	M	23.8	81,822.26
	SUB-TOTAL FASE A				7,671,968.09
Z	VARIOS				
1	CAMPAMENTO (INC ALQUILER DE CASA O SOLAR, CON CASETA DE MATERIALES CON (U) BAÑO MOVIL)	3.00	MES	35,486.09	106,458.27
	SUB-TOTAL DE FASE Z				106,458.27
	SUB-TOTAL GENERAL				7,778,426.36



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ZONA : IV

PART.	DESCRIPCION	CANTIDAD	UD	P.U. (RD\$)	VALOR (RD\$)
	SUB-TOTAL GENERAL				7,778,426.36
	GASTOS INDIRECTOS				
	HONORARIOS PROFESIONALES	10.00%			777,842.64
	GASTOS DE TRANSPORTE	1.50%			116,676.40
	SEGUROS,POLIZA Y FINANZA	4.00%			311,137.05
	GASTOS ADMINISTRATIVOS	3.00%			233,352.79
	SUPERVISION DE INAPA	5.00%			388,921.32
	LEY 3-86	1.00%			77,784.26
	ITBIS 07-2007	18.00%			140,011.68
	CODIA	0.10%			7,778.43
	IMPREVISTOS	5.00%			388,921.32
	MANTENIMIENTO Y OPERACION SISTEMA	10.00%			777,842.64
	ESTUDIOS (SOCIALES, AMBIENTALES, GEOTECNICO, TOPOGRAFICO, DE CALIDAD)	3.00%			233,352.79
	MEDIDA DE COMPENSACION AMBIENTAL	1.50%			116,676.40
	TOTAL GASTOS INDIRECTOS				3,570,297.72
	TOTAL A CONTRATAR RD\$				11,348,724.08

PREPARADO POR :

ARQ. AYSHA A. PIÑA
ARQ. DEPTO. COSTOS Y PRESUPUESTOS

REVISADO POR :

ARQ. MEYVER PUJOLS
ING. DEPTO. DE COSTOS Y PRESUPUESTOS

SOMETIDO POR :

ING. SONIA RODRIGUEZ
ENC. DEPTO. DE COSTOS Y PRESUPUESTOS



VISTO BUENO :

LINEA DE CONDUCCION Ø12" PVC LOS BOTADOS, TRAMO DESDE EST. 4+388.20 H/EST. 5+404.00, PROVINCIAS SANTO DOMINGO - MONTE PLATA

Id	Modo de tarea	Nombre de tarea	Duración	Comienzo	Fin	2021				2022				2023			
						T4	T1	T2	T3	T4	T1	T2	T3	T4	T1	T2	
1		LINEA DE CONDUCCION Ø12" PVC LOS BOTADOS, TRAMO DESDE EST. 4+388.20 H/EST. 5+404.00	509 días	lun 2/15/21	jue 1/26/23	[Gantt bar spanning from 2021 T1 to 2023 T1]											
2		INICIO	0 días	lun 2/15/21	lun 2/15/21	[Gantt bar for task 2]											
3		CAMPAMENTO (INCLUYE ALQUILER DE CASA O SOLAR CON CASETA DE MATERIALES CON UN BAÑO MOVIL)	509 días	lun 2/15/21	jue 1/26/23	[Gantt bar for task 3]											
4		REPLANTEO	30 días	mié 2/17/21	mar 3/30/21	[Gantt bar for task 4]											
5		MOVIMIENTO DE TIERRA	103 días	mié 2/24/21	vie 7/16/21	[Gantt bar for task 5]											
6		EXCAVACION MATERIAL COMPACTO C/EQUIPO	15 días	mié 2/24/21	mar 3/16/21	[Gantt bar for task 6]											
7		ASIEN TO DE ARENA	25 días	mié 3/3/21	mar 4/6/21	[Gantt bar for task 7]											
8		RELLENO COMPACTADO C/COMPACTADOR MECANICO EN CAPAS DE 0.20M	20 días	lun 6/21/21	vie 7/16/21	[Gantt bar for task 8]											
9		BOTE DE MATERIAL CON CAMION, INCLUYE CARGIO Y ESPARCIMIENTO EN BOTADERO (DIST.=5.0 KM)	5 días	lun 3/1/21	vie 3/5/21	[Gantt bar for task 9]											
10		SUMINISTRO DE TUBERIAS	75 días	lun 2/15/21	vie 5/28/21	[Gantt bar for task 10]											
11		Ø12" PVC (SDR-26) C/JUNTA DE GOMA + 4 % PERD. P/CAMPANA	75 días	lun 2/15/21	vie 5/28/21	[Gantt bar for task 11]											
12		COLOCACION DE TUBERIAS	385 días	lun 5/31/21	vie 11/18/22	[Gantt bar for task 12]											
13		Ø12" PVC (SDR-26) C/JUNTA DE GOMA + 4 % PERD. P/CAMPANA	350 días	lun 5/31/21	vie 11/18/22	[Gantt bar for task 13]											
14		SUMINISTRO Y COLOCACION DE PIEZAS ESPECIALES DE PRESION CON PROTECCION ANTICORROSIVA	8 días	lun 10/18/21	mié 10/27/21	[Gantt bar for task 14]											
15		CODO Ø12" X 40 ACERO (SCH-30)	1 día	lun 10/18/21	lun 10/18/21	[Gantt bar for task 15]											
16		CODO Ø12" X 45 ACERO (SCH-30)	1 día	mar 10/19/21	mar 10/19/21	[Gantt bar for task 16]											
17		TEE Ø12" X 3 ACERO (SCH-30)	1 día	mié 10/20/21	mié 10/20/21	[Gantt bar for task 17]											
18		ANCLAJE P/PIEZAS ESPECIALES (SEGUN DISEÑO)	5 días	jue 10/21/21	mié 10/27/21	[Gantt bar for task 18]											
19		SUMINISTRO Y COLOCACION DE:	7 días	jue 10/28/21	vie 11/5/21	[Gantt bar for task 19]											

Proyecto: BOTADOS 12 Fecha: jue 2/17/22	Tarea	[Icon]	Tarea inactiva	[Icon]	Informe de resumen manual	[Icon]	Hito externo	[Icon]
	División	[Icon]	Hito inactivo	[Icon]	Resumen manual	[Icon]	Fecha limite	[Icon]
	Hito	[Icon]	Resumen inactivo	[Icon]	solo el comienzo	[Icon]	Progreso	[Icon]
	Resumen	[Icon]	Tarea manual	[Icon]	solo fin	[Icon]	Progreso manual	[Icon]
	Resumen del proyecto	[Icon]	solo duración	[Icon]	Tareas externas	[Icon]		

LINEA DE CONDUCCION Ø12" PVC LOS BOTADOS, TRAMO DESDE EST. 4+388.20 H/EST. 5+404.00, PROVINCIAS SANTO DOMINGO - MONTE PLATA

Id	Modo de tarea	Nombre de tarea	Duración	Comienzo	Fin	2021				2022				2023		
						T4	T1	T2	T3	T4	T1	T2	T3	T4	T1	T2
20	→	JUNTA MECANICA TIPO DRESSER DE Ø3" 150 PSI	2 días	jue 10/28/21	vic 10/29/21											
21	→	JUNTA MECANICA TIPO DRESSER DE Ø12" 150 PSI	5 días	lun 11/1/21	vie 11/5/21											
22	→	SUMINISTRO Y COLOCACION DE VALVULAS	4 días	lun 11/8/21	jue 11/11/21											
23	→	VALVULA DE AIRE COMBINADA Ø2" H.F. 150 PSI, PLATILLADA (INC. 2 JUNTAS DE GOMA, 2 NIPLE PLATILLADOS, 2 JUNTAS MECANICAS TIPO DRESSER Y 2 PARES DE TORNILLOS)	1 día	lun 11/8/21	lun 11/8/21											
24	→	VALVULA DE DESAGUE Ø4" H.F. 150 PSI, PLATILLADA (INC. 2 JUNTAS DE GOMA, 2 NIPLE PLATILLADOS, 2 JUNTAS MECANICAS TIPO DRESSER Y 2 PARES DE TORNILLOS)	1 día	mar 11/9/21	mar 11/9/21											
25	→	REGISTRO PARA VALVULA DE AIRE	1 día	mié 11/10/21	mié 11/10/21											
26	→	CAJA TELESCOPICA PARA VALVULA DESAGUE	1 día	jue 11/11/21	jue 11/11/21											
27	→	PRUEBA HIDROSTATICA Ø12" PVC	2 días	lun 11/21/22	mar 11/22/22											
28	→	SEÑALIZACION, MANEJO DE TRANSITO Y SEGURIDAD VIAL (INCL. OBREROS, MECHONES, CONOS, CINTA, AVISO DE PELIGRO, LETREROS)	2 días	lun 11/21/22	mar 11/22/22											
29	→	ASFALTO	509 días	lun 2/15/21	jue 1/26/23											
30	→	CORTE DE ASFALTO	22 días	lun 11/21/22	mar 12/20/22											
31	→	EXTRACCION DE ASFALTO	8 días	lun 11/21/22	mié 11/30/22											
32	→	BOTE DE CARPETA ASFALTO C/CAMION D=5 KM (INC. ESPARCIMIENTO EN BOTADERO)	8 días	lun 11/21/22	mié 11/30/22											
33	→		3 días	mié 11/23/22	vie 11/25/22											

Proyecto: BOTADOS 12
Fecha: jue 2/17/22

Tarea		Tarea inactiva		Informe de resumen manual		Hito externo	
División		Hito inactivo		Resumen manual		Fecha límite	
Hito		Resumen inactivo		solo el comienzo		Progreso	
Resumen		Tarea manual		solo fin		Progreso manual	
Resumen del proyecto		solo duración		Tareas externas			

LINEA DE CONDUCCION Ø12" PVC LOS BOTADOS, TRAMO DESDE EST. 4+388.20 H/EST. 5+404.00, PROVINCIAS SANTO DOMINGO - MONTE PLATA

Id	Modo de tarea	Nombre de tarea	Duración	Comienzo	Fin	Gantt Chart											
						2021	2022			2023							
						T4	T1	T2	T3	T4	T1	T2	T3	T4	T1	T2	
34	👉	SUMINISTRO DE MATERIAL BASE PARA RELLENO	4 días	lun 11/28/22	jue 12/1/22												
35	👉	SUMINISTRO Y COLOCCION DE IMPRIMACION	3 días	vie 12/2/22	mar 12/6/22												
36	👉	SUMINISTRO Y COLOCACION DE ASFALTO CALIENTE+25% DESP e= 2"	5 días	mié 12/14/22	mar 12/20/22												
37	👉	TRANSPORTE DE ASFALTO CALIENTE (5 días 50.00 KM)	5 días	mié 12/7/22	mar 12/13/22												
38	👉	LIMPIEZA CONTINUA	509 días	lun 2/15/21	jue 1/26/23	[Barra horizontal que cubre todo el periodo de 2021 a 2023]											
39	👉	FIN	0 días	jue 1/26/23	jue 1/26/23											1/26	

Proyecto: BOTADOS 12
Fecha: jue 2/17/22

Tarea		Tarea inactiva		Informe de resumen manual		Hito externo	
División		Hito inactivo		Resumen manual		Fecha limite	
Hito		Resumen inactivo		solo el comienzo		Progreso	
Resumen		Tarea manual		solo fin		Progreso manual	
Resumen del proyecto		solo duración		Tareas externas			

CRONOGRAMAS DE OBRA
LÍNEA DE CONDUCCIÓN 12" PVC TRAMO DESDE EST. 1+556 HASTA EST. 2+359

Polonia Carrión

Modo de tarea	EDT	Nombre de tarea	Duración	Comienzo	Fin	Predecesoras	S	C
↓	0	LÍNEA DE CONDUCCION 12" PVC TRAMO DESDE EST. 1+556 HASTA EST. 2+359	67 días	lun 15/03/21	jue 17/06/21			
↓	1	LÍNEA DE CONDUCCION GUANUMA (DESDE ESTACION 1+556 H/ ESTACION 2+359)	22 días	lun 15/03/21	mié 14/04/21			
↓	2	REPLANTEO	50 días	lun 15/03/21	lun 24/05/21			
↓	2.1	REPLANTEO	20 días	lun 15/03/21	lun 12/04/21			
↓	2.2	MOVIMIENTO DE TIERRA	30 días	mar 13/04/21	lun 24/05/21			
↓	2.2.1	EXCAVACION MATERIAL COMPACTO C/EQUIPO	20 días	mar 13/04/21	lun 10/05/21	5		
↓	2.2.2	ASIENTO DE ARENA	20 días	mar 13/04/21	lun 10/05/21	8FF		
↓	2.2.3	RELLENO COMPACTADO C/COMPACTADOR MECANICO EN CAPAS DE 0.20M	10 días	mar 11/05/21	lun 24/05/21	9		
↓	2.2.4	BOTE DE MATERIAL CON CAMION, INCLUYE CARGIO Y ESPARCIMIENTO EN BOTADERO (DIST.=5.0 KM)	1 día	mar 11/05/21	mar 11/05/21	8		
↓	3	SUMINISTRO DE TUBERIAS	7 días	lun 15/03/21	mar 23/03/21			
↓	3.1	Ø12 " PVC (SDR-26) C/JUNTA DE GOMA + 4 % PERD. P/CAMPANA	7 días	lun 15/03/21	mar 23/03/21			
↓	4	COLOCACION DE TUBERIAS	20 días	mar 13/04/21	lun 10/05/21			
↓	4.1	Ø12 " PVC (SDR-26) C/JUNTA DE GOMA + 4 % PERD. P/CAMPANA	20 días	mar 13/04/21	lun 10/05/21	9FF		
↓	5	SUMINISTRO Y COLOCACION DE PIEZAS ESPECIALES DE PRESION	15 días	mar 20/04/21	lun 10/05/21			
↓	5.1	CODO 12X20 " ACERO (SCH-30) C/PROTECCION ANTICORROSIVA	15 días	mar 20/04/21	lun 10/05/21	17FF		

CRONOGRAMAS DE OBRA
LÍNEA DE CONDUCCIÓN 12" PVC TRAMO DESDE EST. 1+556 HASTA EST. 2+359

Polonia Carrión

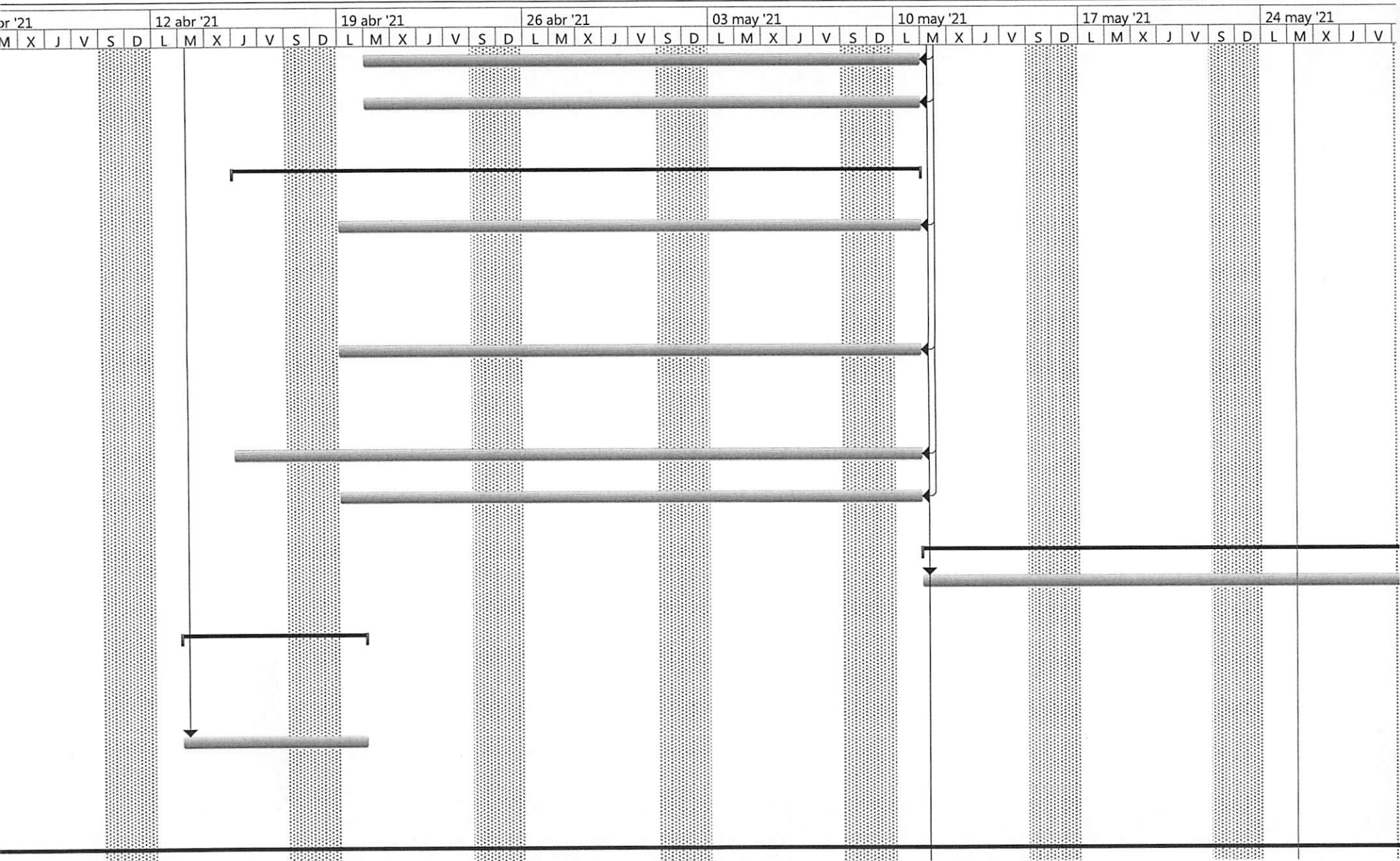
Modo de tarea	EDT	Nombre de tarea	Duración	Comienzo	Fin	Predecesoras		
							S	C
↕	5.4	JUNTA MECANICA TIPO DRESSER DE Ø 12 " HF	15 días	mar 20/04/21	lun 10/05/21	17FF		
↕	5.5	ANCLAJE P/PIEZAS ESPECIALES (SEGUN DISEÑO)	15 días	mar 20/04/21	lun 10/05/21	17FF		
↕	6	SUMINISTRO Y COLOCACION DE VALVULAS	18 días	jue 15/04/21	lun 10/05/21			
↕	6.1	VALVULA DE AIRE COMBINADA Ø2 " H.F. 150 PSI, PLATILLADA (INC. 2 JUNTAS DE GOMA, 2 NIPLE PLATILLADOS, 2 JUNTAS MECANICAS TIPO DRESSER Y 2 PARES DE TORNILLOS)	16 días	lun 19/04/21	lun 10/05/21	17FF		
↕	6.2	VALVULA DE DESAGUE Ø4 " H.F. 150 PSI, PLATILLADA (INC. 2 JUNTAS DE GOMA, 2 NIPLE PLATILLADOS, 2 JUNTAS MECANICAS TIPO DRESSER Y 2 PARES DE TORNILLOS)	16 días	lun 19/04/21	lun 10/05/21	17FF		
↕	6.3	REGISTRO PARA VALVULA EN TUBO DE Ø48 " H.A. (INC. 18 días	18 días	jue 15/04/21	lun 10/05/21	17FF		
↕	6.4	BASE Y TAPA DE H.S.) CAJA TELESCOPICA	16 días	lun 19/04/21	lun 10/05/21	17FF		
↕	7	PRUEBA HIDROSTATICA	25 días	mar 11/05/21	mar 15/06/21			
↕	7.1	Ø12 " PVC	25 días	mar 11/05/21	mar 15/06/21	17		
↕	8	SEÑALIZACION, MANEJO DE TRANSITO Y SEGURIDAD VIAL (INCL OBREROS,MECHONES, CONOS,CINTA, AVISO DE PELIGRO, LETREROS)	5 días	mar 13/04/21	lun 19/04/21			
↕	8.1	SEÑALIZACION, MANEJO DE TRANSITO Y SEGURIDAD VIAL (INCL OBREROS,MECHONES, CONOS,CINTA, AVISO DE PELIGRO, LETREROS)	5 días	mar 13/04/21	lun 19/04/21	5		
↕	9	Limpieza	60 días	mié 24/03/21	jue 17/06/21			

CRONOGRAMAS DE OBRA
LÍNEA DE CONDUCCIÓN 12" PVC TRAMO DESDE EST. 1+556 HASTA EST. 2+359

Polonia Carrión

Modo de tarea	EDT	Nombre de tarea	Duración	Comienzo	Fin	Predecesoras		
							S	C
↓	10.1	CORTE DE ASFALTO	7 días	mar 25/05/21	mié 02/06/21	10		
↓	10.2	EXTRACCION DE ASFALTO	4 días	vie 04/06/21	mié 09/06/21	42		
↓	10.3	BOTE DE CARPETA ASFALTO C/CAMION D=5 KM (INC. ESPARCIMIENTO EN BOTADERO)	4 días	vie 04/06/21	mié 09/06/21	43FF		
↓	10.4	SUMINISTRO DE MATERIAL BASE PARA RELLENO	23 días	mar 11/05/21	vie 11/06/21	17		
↓	10.5	SUMINISTRO Y COLOCCION DE IMPRIMACION	4 días	lun 14/06/21	jue 17/06/21	45		
↓	10.6	SUMINISTRO Y COLOCACION DE ASFALTO CALIENTE+25% DESP e= 2 "	4 días	lun 14/06/21	jue 17/06/21	45		
↓	10.7	TRANSPORTE DE ASFALTO CALIENTE (50.00 KM)	4 días	lun 14/06/21	jue 17/06/21	47FF		
↓	11	VARIOS	7 días	lun 15/03/21	mar 23/03/21			
↓	11.1	CAMPAMENTO (INCLUYE ALQUILER DE CASA O SOLAR CON CASETA DE MATERIALES CON (IU) BAÑO MOVIL)	7 días	lun 15/03/21	mar 23/03/21			

CRONOGRAMAS DE OBRA
LÍNEA DE CONDUCCIÓN 12" PVC TRAMO DESDE EST. 1+556 HASTA EST. 2+359





INSTITUTO NACIONAL DE AGUAS POTABLES Y ALCANTARILLADOS

INAPA

DIRECCIÓN DE INGENIERIA

DEPARTAMENTO DE COSTOS Y PRESUPUESTOS

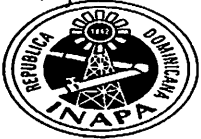
Presupuesto No.:162 d/f 20/10/2020

Obra: LINEA CONDUCCION 12" PVC TRAMO DESDE EST. 2+359 HASTA EST. 3+162

Provincias: SANTO DOMINGO - MONTE PLATA

Zona : IV

Partida	Descripción	Cant.	Unid	P.U. (RD\$)	Valor (RD\$)
A	LINEA DE CONDUCCION (DESDE ESTACION 2+359 H/ ESTACION 3+162)				
1	REPLANTEO	803.00	M	14.63	11,747.89
2	MOVIMIENTO DE TIERRA				
2.1	EXCAVACION MATERIAL COMPACTO C/EQUIPO	955.57	M3	154.52	147,654.68
2.2	ASIENTO DE ARENA	68.26	M3	1,110.39	75,795.22
2.3	RELLENO COMPACTADO C/COMPACTADOR MECANICO EN CAPAS DE 0.20M	787.26	M3	184.63	145,351.81
2.4	BOTE DE MATERIAL CON CAMION, INCLUYE CARGIO Y ESPARCIMIENTO EN BOTADERO (DIST.=5.0 KM)	201.97	M3	210.00	42,413.70
3	SUMINISTRO DE TUBERIAS				
3.1	Ø12" PVC (SDR-26) C/JUNTA DE GOMA + 4 % PERD. P/CAMPANA	835.12	M	6,063.52	5,063,766.82
4	COLOCACION DE TUBERIAS				
4.1	Ø12" PVC (SDR-26) C/JUNTA DE GOMA + 4 % PERD. P/CAMPANA	835.12	M	55.95	46,724.96
5	SUMINISTRO Y COLOCACION DE PIEZAS ESPECIALES DE PRESION				
5.1	CODO 12X45" ACERO (SCH-30) C/PROTECCION ANTICORROSIVA	3.00	U	8,809.77	26,429.31
5.2	REDUCCION 12"X 8" ACERO (SCH-30) C/PROTECCION ANTICORROSIVA	1.00	U	6,473.67	6,473.67
5.3	TEE 12X6" ACERO (SCH-30) C/PROTECCION ANTICORROSIVA	1.00	U	7,901.47	7,901.47
5.4	NIPLE 12" X 1.00M ACERO (SCH-30) C/PROTECCION ANTICORROSIVA	5.00	U	7,429.53	37,147.65
5.5	NIPLE 8" X 1.00M ACERO (SCH-40) C/PROTECCION ANTICORROSIVA	1.00	U	2,885.08	2,885.08
5.6	JUNTA MECANICA TIPO DRESSER DE Ø 12" HF	10.00	U	4,516.01	45,160.10
5.7	JUNTA MECANICA TIPO DRESSER DE Ø 8" HF	1.00	U	2,948.22	2,948.22
5.8	JUNTA MECANICA TIPO DRESSER DE Ø 6" HF	1.00	U	2,390.48	2,390.48
5.9	ANCLAJE P/PIEZAS ESPECIALES (SEGUN DISEÑO)	5.00	U	8,029.89	40,149.45
6	INTERCONEXION A LINEA CONDUCCION Ø8" EXISTENTE				
6.1	SUMINISTRO Y COLOCACION:				
6.1.1	TUBERIA Ø8" ACERO	10.00	M	4,119.79	41,197.90
6.1.2	VALVULA DE COMPUERTA Ø8" H.F. PLATILLADA (INC. 2 JUNTAS DE GOMA, 2 NIPLE PLATILLADOS, 2 JUNTAS MECANICAS TIPO DRESSER Y 2 PARES DE TORNILLOS)	2.00	U	66,115.70	132,231.40
6.1.3	TEE 12X8" ACERO (SCH-30) C/PROTECCION ANTICORROSIVA	1.00	U	7,901.47	7,901.47
6.1.4	TEE 8"X8" ACERO (SCH-30) C/PROTECCION ANTICORROSIVA	1.00	U	6,834.70	6,834.70
6.1.5	NIPLE 12" X 1.00M ACERO (SCH-30) C/PROTECCION ANTICORROSIVA	2.00	U	7,429.53	14,859.06



INSTITUTO NACIONAL DE AGUAS POTABLES Y ALCANTARILLADOS

INAPA

DIRECCIÓN DE INGENIERIA
DEPARTAMENTO DE COSTOS Y PRESUPUESTOS

Presupuesto No.:162 d/f 20/10/2020

Obra: LINEA CONDUCCION 12" PVC TRAMO DESDE EST. 2+359 HASTA EST. 3+162

Provincias: SANTO DOMINGO - MONTE PLATA

Zona : IV

Partida	Descripción	Cant.	Unid	P.U. (RD\$)	Valor (RD\$)
6.1.6	NIPLE 8" X 1.00M ACERO (SCH-40) C/PROTECCION ANTICORROSIVA	2.00	U	4,200.00	8,400.00
6.1.7	JUNTA MECANICA TIPO DRESSER DE Ø 12" HF	2.00	U	4,516.01	9,032.02
6.1.8	JUNTA MECANICA TIPO DRESSER DE Ø 8" HF	2.00	U	2,948.22	5,896.44
6.1.9	ANCLAJE P/PIEZAS ESPECIALES (SEGUN DISEÑO)	2.00	U	8,029.89	16,059.78
6.1.10	REGISTRO PARA VALVULA (SEGUN DETALLE)	2.00	U	16,000.00	32,000.00
	MOVIMIENTO DE TIERRA	1.00	U	3,500.00	3,500.00
7	SUMINISTRO Y COLOCACION DE VALVULAS				
7.1	VALVULA DE COMPUERTA Ø6" H.F. PLATILLADA (INC. 2 JUNTAS DE GOMA, 2 NIPLE PLATILLADOS, 2 JUNTAS MECANICAS TIPO DRESSER Y 2 PARES DE TORNILLOS)	1.00	U	46,696.74	46,696.74
7.2	VALVULA DE AIRE COMBINADA Ø2" H.F. 150 PSI, PLATILLADA (INC. 2 JUNTAS DE GOMA, 2 NIPLE PLATILLADOS, 2 JUNTAS MECANICAS TIPO DRESSER Y 2 PARES DE TORNILLOS)	1.00	U	38,138.56	38,138.56
7.2	CAJA TELESCOPICA PARA VALVULA	1.00	U	3,885.00	3,885.00
7.3	REGISTRO PARA VALVULA EN TUBO DE Ø36" H.A. (INC. BASE Y TAPA DE H.S.)	1.00	U	33,466.51	33,466.51
8	PRUEBA HIDROSTATICA				
8.1	Ø12" PVC	803.00	M	53.28	42,783.84
9	SEÑALIZACION, MANEJO DE TRANSITO Y SEGURIDAD VIAL (INCL OBREROS,MECHONES, CONOS,CINTA, AVISO DE PELIGRO, LETREROS)	803.00	M	23.80	19,111.40
10	LIMPIEZA CONTINUA	803.00	M	15.00	12,045.00
11	ASFALTO				
11.1	CORTE DE ASFALTO	1,600.00	M	47.61	76,176.00
11.2	EXTRACCION DE ASFALTO	720.00	M2	41.00	29,520.00
11.3	BOTE DE CARPETA ASFALTO C/CAMION D=5 KM (INC.	48.60	M3	210.00	10,206.00
11.4	SUMINISTRO DE MATERIAL BASE PARA RELLENO	172.80	M3	833.68	144,059.90
11.5	SUMINISTRO Y COLOCCION DE IMPRIMACION	720.00	M2	116.79	84,088.80
11.6	SUMINISTRO Y COLOCACION DE ASFALTO	720.00	M2	622.25	448,020.00
11.7	TRANSPORTE DE ASFALTO CALIENTE (50.00 KM)	2,160.00	M3/KM	27.49	59,378.40
	SUBTOTAL FASE A				7,030,429.43
Z	VARIOS				
1	CAMPAMENTO (INCLUYE ALQUILER DE CASA O SOLAR CON CASETA DE MATERIALES CON (IU) BAÑO MOVIL)	2.00	MESES	35,500.00	71,000.00
	SUB-TOTAL FASE Z				71,000.00
	SUB-TOTAL GENERAL				7,101,429.43



INSTITUTO NACIONAL DE AGUAS POTABLES Y ALCANTARILLADOS

INAPA

DIRECCIÓN DE INGENIERIA
DEPARTAMENTO DE COSTOS Y PRESUPUESTOS

Presupuesto No.:162 d/f 20/10/2020

Obra: LINEA CONDUCCION 12" PVC TRAMO DESDE EST. 2+359 HASTA EST. 3+162

Provincias: SANTO DOMINGO - MONTE PLATA

Zona : IV

Partida	Descripción	Cant.	Unid	P.U. (RD\$)	Valor (RD\$)
	SUB-TOTAL GENERAL				7,101,429.43
	GASTOS INDIRECTOS				
	HONORARIOS PROFESIONALES	10.00%			710,142.94
	GASTOS ADMINISTRATIVOS	3.00%			213,042.88
	SEGUROS, PÓLIZAS Y FIANZAS	4.00%			284,057.18
	TRANSPORTE	3.00%			213,042.88
	DISEÑO Y SUPERVISIÓN DE INAPA	5.00%			355,071.47
	LEY 6-86	1.00%			71,014.29
	ITBIS (LEY 07-2007)	18.00%			127,825.73
	CODIA (SEGUN MEMO No. 0972/2018 DJ)	0.10%			7,101.43
	MANTENIMIENTO Y OPERACION SISTEMAS INAPA	10.0%			710,142.94
	MEDIDAS DE COMPENSACION AMBIENTAL	1.50%			106,521.44
	ESTUDIOS(SOCIALES, AMBIENTALES, GEOTECNICOS, TOPOGRAFICOS, DE CALIDAD)	3.00%			213,042.88
	IMPREVISTOS	5.00%			355,071.47
	TOTAL DE COSTOS INDIRECTOS				3,366,077.55
	TOTAL A CONTRATAR (RD\$)				10,467,506.98

PREPARADO POR:

ARQ. IRMA ESPINOSA

ANALISTA DE PRESUPUESTOS DE OBRAS

REVISADO POR

ING. RAMONA MONTAS

ANALISTA DE PRESUPUESTOS DE OBRAS

SOMETIDO POR:

ING. SONIA ESTHER RODRIGUEZ

ENC. DEPTO. DE COSTOS Y PRESUPUESTOS



VISTO BUENO:

ING. JOSE MANUEL AYBAR OVALLE

DIRECTOR DE INGENIERIA





INSTITUTO NACIONAL DE AGUAS POTABLES Y ALCANTARILLADOS

INAPA

DIRECCIÓN DE INGENIERIA

DEPARTAMENTO DE COSTOS Y PRESUPUESTOS

Presupuesto No.: 187 d/f 15/10/2020

Obra: LINEA DE CONDUCCION 8" PVC TRAMO DESDE EST. 0+892 HASTA EST. 3.785

Provincias: SANTO DOMINGO - MONTE PLATA

Zona : IV

Partida	Descripción	Cant.	Unid	P.U. (RD\$)	Valor (RD\$)
A	LINEA DE CONDUCCION (DESDE ESTACION 1+892.40 H/ 3+785 H/ ESTACION)				
1	REPLANTEO	1,892.40	M	14.63	27,685.81
2	MOVIMIENTO DE TIERRA				
2.1	EXCAVACION MATERIAL COMPACTO C/EQUIPO	1,854.55	M3	154.52	286,565.07
2.2	ASIEN TO DE ARENA	141.93	M3	1,110.39	157,597.65
2.3	RELLENO COMPACTADO C/COMPACTADOR MECANICO EN CAPAS DE 0.30M	1,568.74	M3	184.63	289,636.47
2.4	BOTE DE MATERIAL CON CAMION, INCLUYE CARGIO Y ESPARCIMIENTO EN BOTADERO (DIST.=5.0 KM)	342.97	M3	210.00	72,023.70
3	SUMINISTRO DE TUBERIAS				
3.1	Ø8" PVC (SDR-26) C/JUNTA DE GOMA + 3 % PERD. P/CAMPANA	1,949.17	M	2,768.60	5,396,472.06
4	COLOCACION DE TUBERIAS				
4.1	Ø8" PVC (SDR-26) C/JUNTA DE GOMA + 3 % PERD. P/CAMPANA	1,949.17	M	43.04	83,892.28
5	SUMINISTRO Y COLOCACION DE PIEZAS C/PROTECCION ANTICORROSIVA				
5.1	TEE 8"X 8" ACERO (SCH-40)	1.00	U	6,507.20	6,507.20
5.2	NIPL E 8" X 1.00M ACERO (SCH-40)	2.00	U	4,416.19	8,832.38
5.3	NIPL E 6" X 1.00M ACERO (SCH-40)	2.00	U	3,204.46	6,408.92
5.4	REDUCION 8" X 6" ACERO (SCH-40)	2.00	U	3,979.10	7,958.20
5.5	JUNTA MECANICA TIPO DRESSER 8 HF	5.00	U	2,948.22	14,741.10
5.6	JUNTA MECANICA TIPO DRESSER 6 HF	2.00	U	2,390.48	4,780.96
5.7	ANCLAJE P/PIEZAS ESPECIALES (SEGUN DISEÑO)	3.00	U	600.00	1,800.00
6	PRUEBA HIDROSTATICA				
6.1	Ø8" PVC	1,892.40	M	47.28	89,472.67
7	SEÑALIZACION, MANEJO DE TRANSITO Y SEGURIDAD VIAL (INCL OBREROS,MECHONES, CONOS,CINTA, AVISO DE PELIGRO, LETREROS)				
7	SEÑALIZACION, MANEJO DE TRANSITO Y SEGURIDAD VIAL (INCL OBREROS,MECHONES, CONOS,CINTA, AVISO DE PELIGRO, LETREROS)	1,892.40	M	23.80	45,039.12
8	LIMPIEZA CONTINUA				
8	LIMPIEZA CONTINUA	1,892.40	M	15.00	28,386.00
9	ASFALTO				
9.1	CORTE DE ASFALTO	3,784.80	M	47.61	180,194.33
9.2	EXTRACCION DE ASFALTO	1,513.92	M2	41.00	62,070.72
9.3	BOTE DE CARPETA ASFALTO C/CAMION D=5 KM (INC.	102.19	M3	210.00	21,459.90
9.4	SUMINISTRO DE MATERIAL BASE PARA RELLENO	363.34	M3	833.68	302,909.29
9.5	SUMINISTRO Y COLOCCION DE IMPRIMACION	1,513.92	M2	116.79	176,810.72
9.6	SUMINISTRO Y COLOCACION DE ASFALTO	1,892.40	M2	622.25	1,177,545.90
9.7	TRANSPORTE DE ASFALTO CALIENTE (50.00 KM)	3,784.80	M3/KM	27.49	104,044.15
	SUBTOTAL FASE A				8,552,834.60



INSTITUTO NACIONAL DE AGUAS POTABLES Y ALCANTARILLADOS

INAPA

DIRECCIÓN DE INGENIERIA
DEPARTAMENTO DE COSTOS Y PRESUPUESTOS

Presupuesto No.: 187 d/f 15/10/2020

Obra: LINEA DE CONDUCCION 8" PVC TRAMO DESDE EST. 0+892 HASTA EST. 3.785

Provincias: SANTO DOMINGO - MONTE PLATA

Zona : IV

Partida	Descripción	Cant.	Unid	P.U. (RD\$)	Valor (RD\$)
Z	VARIOS				
1	CAMPAMENTO (INCLUYE ALQUILER DE CASA O SOLAR CON CASETA DE MATERIALES CON (IU) BAÑO MOVIL)	2.00	MESES	35,500.00	71,000.00
	SUB-TOTAL FASE Z				71,000.00
	SUB-TOTAL GENERAL				8,623,834.60
	SUB-TOTAL GENERAL				8,623,834.60
	GASTOS INDIRECTOS				
	HONORARIOS PROFESIONALES	10.00%			862,383.46
	GASTOS ADMINISTRATIVOS	3.00%			258,715.04
	SEGUROS, PÓLIZAS Y FIANZAS	4.00%			344,953.38
	TRANSPORTE	3.00%			258,715.04
	DISEÑO Y SUPERVISIÓN DE INAPA	5.00%			431,191.73
	LEY 6-86	1.00%			86,238.35
	ITBIS (LEY 07-2007)	18.00%			155,229.02
	CODIA (SEGUN MEMO No. 0972/2018 DJ)	0.10%			8,623.83
	MANTENIMIENTO Y OPERACION SISTEMAS INAPA	10.0%			862,383.46
	MEDIDAS DE COMPENSACION AMBIENTAL	1.50%			129,357.52
	ESTUDIOS(SOCIALES, AMBIENTALES, GEOTECNICOS, TOPOGRAFICOS, DE CALIDAD)	3.00%			258,715.04
	IMPREVISTOS	5.00%			431,191.73
	TOTAL DE COSTOS INDIRECTOS				4,087,697.60
	TOTAL A CONTRATAR (RD\$)				12,711,532.20

PREPARADO POR:

ARQ. AYSHA A. PIÑA

ANALISTA DE PRESUPUESTOS DE OBRAS

REVISADO POR

ING. RAMONA MONTAS

ANALISTA DE PRESUPUESTOS DE OBRAS

SOMETIDO POR:

ING. SONIA ESTHER RODRIGUEZ

ENC .DEPTO. DE COSTOS Y PRESUPUESTOS



VISTO BUENO:

ING. JOSE MANUEL AYBAR

DIRECTOR DE INGENIERIA

