Plan Sheet Summary of Quantities

BID ITEM NO.	ITEM DESCRIPTION	UNIT	SHEET NUMBER																
			25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	TOTAL
7320788	SINGLE MODE FIBER OPTIC CABLE (12 COUNT)	L.FT.	0	0	0	0	0	0	0	0	0	0	0	0	0	470	0	0	470
9240144	MISCELLANEOUS WORK (2, 7-WAY MICRO-DUCT) (DTL I) (DIRECTIONAL DRILL)	L.FT.	390	1585	1410	680	850	620	845	1020	500	255	0	0	1170	125	1025	240	10715
9240145	MISCELLANEOUS WORK (2, 7-WAY MICRO-DUCT) (DTL A) (TRENCHED)	L.FT.	0	485	600	1330	1065	1290	0	1080	1410	595	0	0	0	0	0	0	7855
9240148	MISCELLANEOUS WORK (SINGLE MODE FIBER OPTIC CABLE) (LOOSE TUBE 288 FIBERS)	L.FT.	1160	0	0	0	0	0	0	0	0	0	0	0	835	1990	0	0	3985
9240149	MISCELLANEOUS WORK (SINGLE MODE FIBER OPTIC CABLE) (MICRO CABLE 288 FIBERS)	L.FT.	390	2070	2010	2010	1915	1910	1820	2100	1910	2285	1930	150	1170	125	1025	240	23060
9240172	MISCELLANEOUS WORK (NO. 8 PULL BOX, STD DTL F)	EACH	1	0	0	0	0	1	1	0	0	0	0	0	3	0	1	0	7
9240173	MISCELLANEOUS WORK (NO. 9 PULL BOX, STD DTL E)	EACH	0	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	4
9240175	MISCELLANEOUS WORK (FIBER OPTIC SPLICE CLOSURE)	EACH	1	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	3

1 (under 25 and 26) 2 (under 38) 1 (under TOTAL) 2 (under TOTAL)

Corner Detail Summary of Quantities

BIF ITEM NO.	ITEM DESCRIPTION	UNIT	SHEET NUMBER						
			41	42	43	44	45	46	TOTAL
7320788	SINGLE MODE FIBER OPTIC CABLE (12 COUNT)	L.FT.	180	80	50	30	225	100	665
9240144	MISCELLANEOUS WORK (2, 7-WAY MICRO-DUCT) (DTL I) (DIRECTIONAL DRILL)	L.FT.	150	155	45	0	30	40	420
9240145	MISCELLANEOUS WORK (2, 7-WAY MICRO-DUCT) (DTL A) (TRENCHED)	L.FT.	35	0	0	0	0	0	35
9240148	MISCELLANEOUS WORK (SINGLE MODE FIBER OPTIC CABLE) (LOOSE TUBE 288 FIBERS)	L.FT.	20	0	0	0	215	95	330
9240149	MISCELLANEOUS WORK (SINGLE MODE FIBER OPTIC CABLE) (MICRO CABLE 288 FIBERS)	L.FT.	165	205	250	160	30	40	850
9240174	MISCELLANEOUS WORK (TERMINATION PANEL)	EACH	2	2	2	1	2	2	11
9240175	MISCELLANEOUS WORK (FIBER OPTIC SPLICE CLOSURE)	EACH	2	2	2	1	1	1	9
9240176	MISCELLANEOUS WORK (FIELD HARDENED ETHERNET SWITCH)	EACH	2	2	2	0	2	2	10

1 (under 41) 1 (under TOTAL)

NO.	DESCRIPTION OF REVISION	MADE BY -	DATE -
NO.2	REVISED QUANTITIES	EG	10/20/2026
NO.1	REVISED QUANTITIES	EG	10/16/2026

50066 THOMAS M. MCCULLOUGH REGISTERED CERTIFICATE NO. ARIZONA, U.S.A.

	NAME	DATE
DESIGN	EEC	09/26
DRAWN	EJS	09/26
CHECKED	GA/TMM	09/26

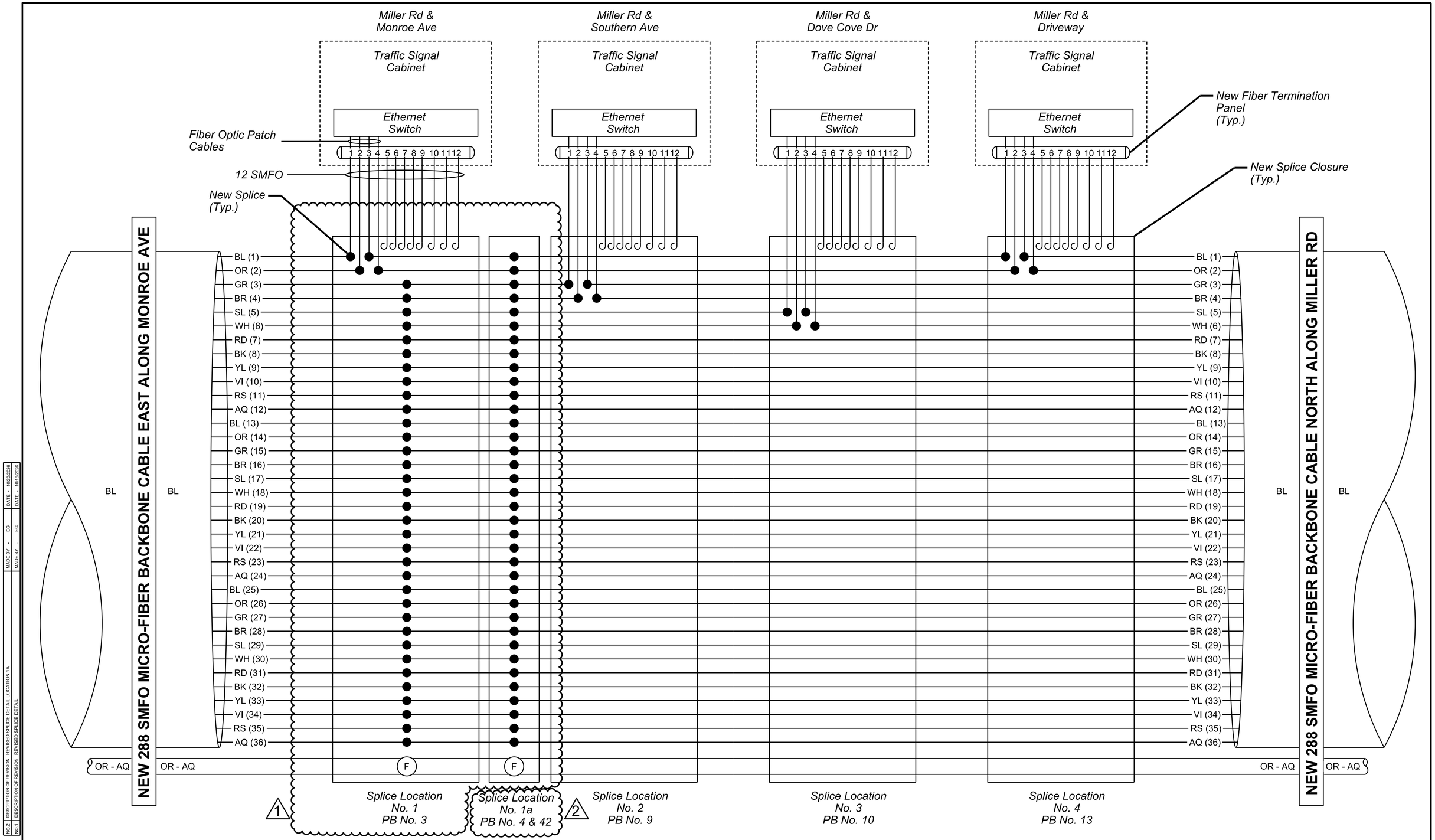
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ARIZONA DEPARTMENT OF TRANSPORTATION
PROJECT DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGEMENT GROUP

SUMMARY OF QUANTITIES

ROUTE	F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
-		ARIZ.	T0630	BKY-0(216)T	5	48	
MILEPOST	LOCATION Miller Road and Monroe Avenue						DWG NO. T-01.04
STRUCTURE NO.	TRACS NO. T0630 01C						___ OF___



NO.	DESCRIPTION OF REVISION	MADE BY	DATE
NO.2	REVISED SPLICE DETAIL LOCATION 1A	EG	10/20/2026
NO.1	REVISED SPLICE DETAIL	EG	10/16/2026

	NAME	DATE
DESIGN	EEC	09/26
DRAWN	EJS	09/26
CHECKED	GA/TMM	09/26

50066 THOMAS M. MCCULLOUGH — Registered Professional Engineer — CERTIFICATE NO. — State of Arizona, U.S.A.

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ARIZONA DEPARTMENT OF TRANSPORTATION
PROJECT DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGEMENT GROUP

SPLICE DETAIL
(1 OF 3)

ROUTE: -
MILEPOST:
STRUCTURE NO.:

F.H.W.A. Arizona Division

STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
ARIZ.	T0630	BKY-0(216)T	21	48	

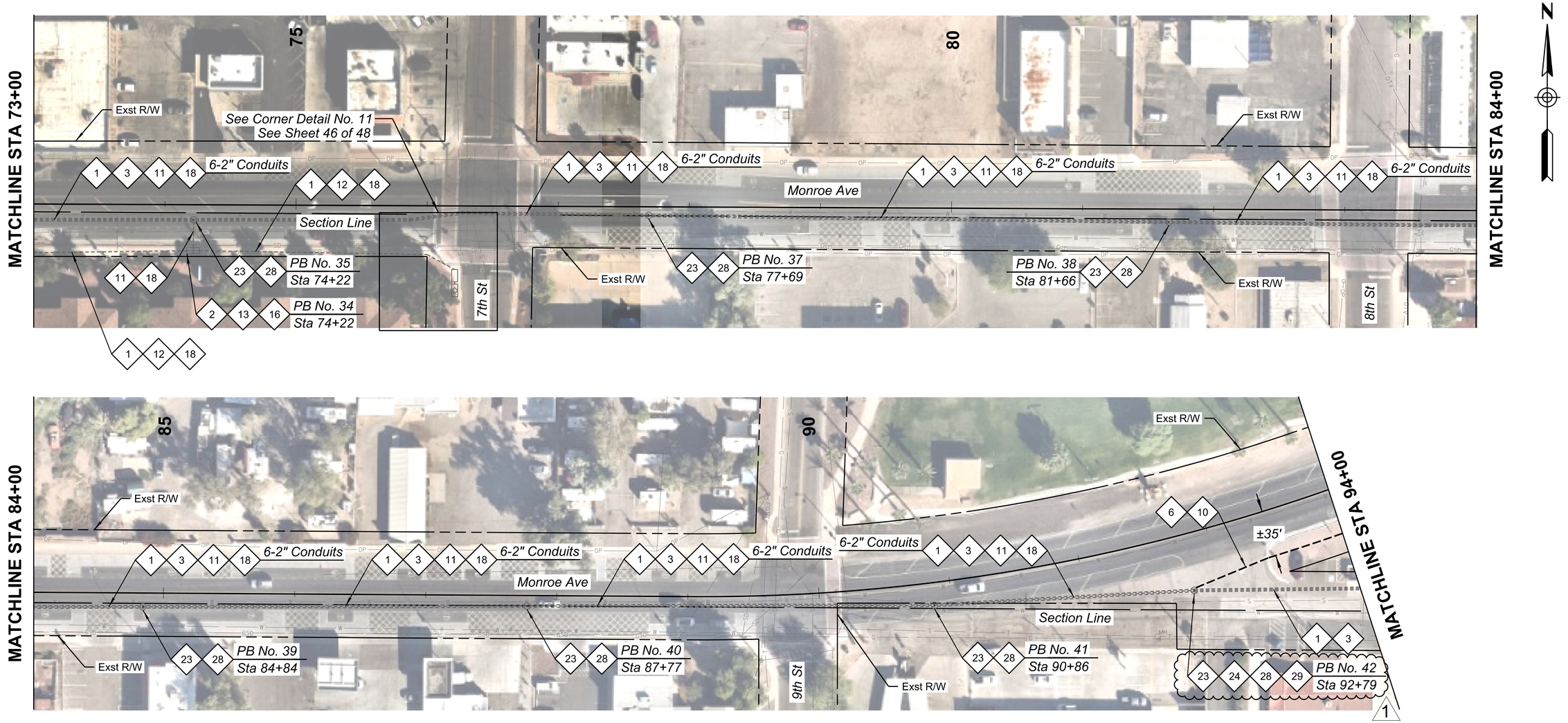
LOCATION: Miller Road and Monroe Avenue

TRACS NO. T0630 01C

DWG NO. T-04.01

____ OF ____

1:14:15 PM 10/20/2026 Erubiel.Guerrero K:\PHX_Roadway\Worksets\ADOT_CONNECT_PROJECTS_10.10_191342048-Miller and Monroe ITS\dgn\Traffic\mm_mi-SD01.dgn



CONSTRUCTION NOTES:

1. *Existing Conduit. Protect in Place.*
3. *Existing Cables. Protect in Place.*
2. *Existing Pull Box. Protect in Place.*
6. *Install Two New 7-Way Micro-Duct Conduits by Directional Drill.*
10. *Install New 288 SMFO Micro-Fiber Cable.*
11. *Install New Dielectric Loose Tube 288 SMFO Cable.*
12. *Install New 12 SMFO Cable.*
13. *Coil 100' of SMFO (288) Cable in No. 9 Pull Box.*
16. *Install New Splice Closure and Fusion Splice SMFO (12) Cable to Designated Fibers of SMFO (288) Cable as Shown in the Splice Details.*
18. *Route New Fiber Through Existing Conduit.*
23. *Existing ITS Utility Vault. Protect in Place.*
24. *Route New Conduit into Existing Utility Vault.*
28. *Coil 100' of SMFO (288) Cable in Existing ITS Utility Vault.*
29. *Install New Splice Closure and Fusion Splice Loose Tube SMFO (288) to Micro-Fiber SMFO (288) as shown in the Splice Details.* (1)

NO.	DESCRIPTION OF REVISION - REVISED CONSTRUCTIO NOTES	MADE BY - EG	DATE - 10/20/2020

50066 THOMAS M. MCCULLOUGH — Registered Professional Engineer — Certificate No. — Not Valid Without Signature — ARIZONA, U.S.A.

	NAME	DATE
DESIGN	EEC	09/26
DRAWN	EJS	09/26
CHECKED	GA/TMM	09/26

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ARIZONA DEPARTMENT OF TRANSPORTATION
PROJECT DELIVERY AND OPERATIONS DIVISION
PROJECT MANAGEMENT GROUP

Monroe Ave
ITS Installation
Sta 73+00 to 94+00

ROUTE -
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	T0630	BKY-0(216)T	38	48	

LOCATION Miller Road and Monroe Avenue — DWG NO. T-07.02

TRACS NO. T0630 01C — ___ OF ___