NO.	REVISED NOTES	MADE BY	DATE
1	DESCRIPTION OF REVISIONS	CML	10/2026

INDEX OF SHEETS

SHEET NO.	DWG. NO.	SHEET TITLE
GENERAL		
1		Face Sheet
1A, 1B-1, 1B-2, 1C-1, 1C-2, 1D		ADOT Standard Drawings
1F		E.P.I.C Sheet
2	G-01.01	Index of Sheets and Design Data
3 - 5	G-02.01 - G-02.03	Typical Sections and Pavement Structural Sections
6	G-03.01	New Pipe Summary
7	G-04.01	CSP Pipe Extension Summary
8	G-05.01	RCBC and RCBC Extension Summary
9 - 13	G-06.01 - G-06.05	Roadway Details
DRAINAGE		
14 - 17	D-01.01 - D-01.04	Culvert Plan and Profile
18 - 20	D-02.01 - D-02.03	Drainage Details
CIVIL		
21	C-01.01	Survey Control & Control Point Data
22 - 24	C-02.01 - C-02.03	Geometric Layout & Data
25 - 27	C-03.01 - C-03.03	SR 89A Roadway Plan
TRAFFIC		
28	T-01.01	Traffic Control Construction Activity
29 - 30	T-02.01 - T-02.02	Traffic Control Notes and Legend & Quantities
31	T-02.03	Traffic Control Advance Signing Detail
32	T-02.04	Traffic Control Detour Plan
33	T-03.01	Signing General Notes & Quantities
34	T-03.02	Pavement Marking General Notes & Quantities
35 - 37	T-03.03 - T-03.05	Removal Sign Summaries
38 - 41	T-03.06 - T-03.09	Sign Summaries
42 - 43	T-04.01 - T-04.02	Sign Removals Plan
44 - 48	T-04.03 - T-04.07	Signing & Pavement Marking Plan
49	T-04.08	Sign Formats
50	T-05.01	Lighting Notes & Legend
51 - 54	T-05.02 - T-05.05	Lighting Plans & Lighting Schedules
ROADSIDE		
55	EC-01.01	Control Measure Index Sheet
56 - 58	EC-02.01 - EC-02.03	Erosion/Sediment Control Details

> Pay Item

* Existing AC Pavement available for Roadway Embankment per Specifications. Roadway Excavation and Embankment quantities have been adjusted for removal of AC Pavement. Thickness of Existing AC Pavement assumed to be 5" for this volume calculation.

1 ** The existing material to be overexcavated is assumed to meet the minimum R-value of 20 throughout the project, except for the SR 89A Southbound widening from Sta 521+25 to Sta 529+48, per the F0624 SR 89A & Page Springs Rd Geotechnical Report dated November 13, 2025. Within this exeption area, approximately 1,596 Cu Yd of material extending 3 feet below finished subgrade shall be replaced with material meeting the subgrade requirements.

DESIGN DATA

MP 362.25 to MP 362.98
SR 89A Design Speed = 65 MPH
U-TURN Design Speed = 20 MPH

LENGTH OF PROJECT

Exst SR 89A SB and NB Cst CL

Roadway Construction
SB: Sta 505+40.00 to Sta 534+00.00
NB: Sta 508+35.18 to Sta 543+43.00

SB: Gross and Net Length = 2,860.00'
NB: Gross and Net Length = 3,507.82'

SR 89A SB MP 362.18 to MP 362.73 = 0.55 Miles
SR 89A NB MP 362.24 to MP 362.91 = 0.67 Miles

MIDPOINT OF PROJECT

Central Zone
State Plane Coordinates
(NAD 83/92)

GAF=1.00028
X=700,186.01
Y=1,380,412.87

REFERENCES

STBG-89A-B(220)T
ACSTP-BR-366(39)P

EARTHWORK QUANTITIES

>	Roadway Excavation 1		2,229 CY
>	Roadway Overexcavation** 1		5,730 CY
	Pipe Excavation		61 CY
>	Structural Excavation		140 CY
>	Drainage Excavation		699 CY
	Sub Total Excavation		8,859 CY
	Total Shrinkage		886 CY
>	AC Pavement Removal *	782 CY	
	Total Excavation Available for Embankment		7,973 CY
	Roadway Embankment		4,325 CY
>	Roadway Overexcavation** 1		5,730 CY
	Pipe Backfill	27 CY	
>	Structure Backfill	193 CY	
	Ground Compaction		169 CY
	Total Embankment Need		10,224 CY
>	***Total Borrow (In Place)***		2,251 CY

EARTHWORK FACTORS

Shrinks/Swell	***Ground Compaction***
10% Shrink	***0.10'***

GENERAL NOTES

The roadway plans have been designed utilizing the Construction Standard Drawings (C-Series) and current revisions. Refer to the 1A sheet for a listing of current revision dates.

The project roadway shall be striped by the contractor in accordance with the current edition of the Signing and Marking Standard Drawings (M&S-Series) and the pavement marking plans.

For R/W information not shown, see Right-of-Way project No. S-366-813

Pavement lift thickness is nominal.

Where only the horizontal location of an existing utility is shown, the location is approximate. Where both the horizontal and vertical location of an existing utility is shown, the location has been verified by field survey methods. The contractor shall comply with all current Blue Stake laws and Section 107.15 of the Specifications.

Delineators, object markers and mile post markers shall be removed and reset as required.

The average project elevation is 3760'.

New Right of Way and easements are not required.

Survey Monuments in median must not be disturbed.

Slope rounding shall be applied per Std C-02 series unless otherwise noted.

The pavement shoulders shall be treated with a rumble strip: see Traffic sheets.

Registered Professional Engineer (Civil) CERTIFICATE NO. 75741 COLE LASTOVICA Date Signed 10/13/2026 ARIZONA U.S.A.

	NAME	DATE
DESIGN	ZSZ	03/26
DRAWN	RM	03/26
CHECKED	JPM	03/26

Stanley Consultants INC.
3133 East Camelback Road, Suite 100
Phoenix, Arizona 85016
Phone: (602) 333-2200

ARIZONA DEPARTMENT OF TRANSPORTATION
PROJECT DELIVERY AND OPERATIONS DIVISION
ROADWAY DESIGN SERVICES

INDEX OF SHEETS & DESIGN DATA

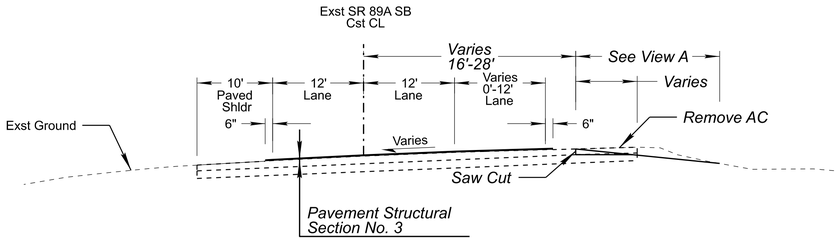
ROUTE
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	089A YV 362	A89-B(225)T	2	58	

LOCATION SR89A AT PAGE SPRINGS ROAD — DWG NO. G-01.01

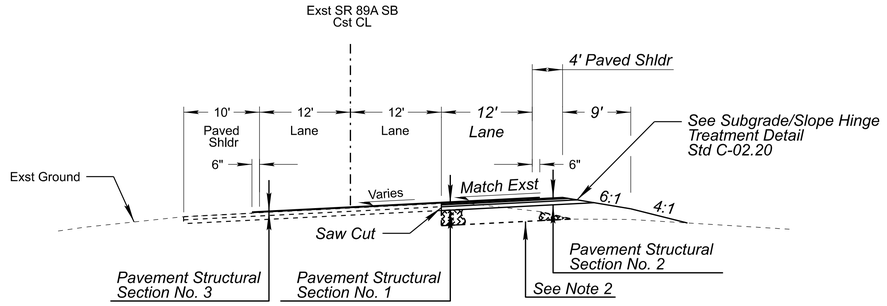
TRACS NO. F0624 01C — ____ OF ____

NO.	DESCRIPTION OF REVISIONS	MADE BY	DATE
1	UPDATE NOTE 2	CML	10/2026



SR 89A SB Shoulder Removal

SB Sta 505+40.00 to 515+89.17
SB Sta 519+93.05 to 521+25.00
SB Sta 529+48.76 to 534+00.00

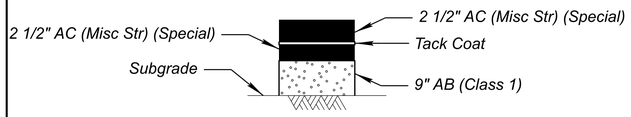


SR 89A SB Roadway Widening

SB Sta 515+89.17 to 517+00.0

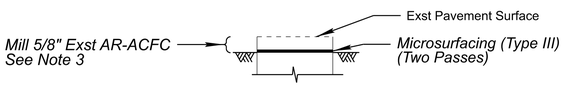
Total Thickness = 14"

SECTION NO. 1



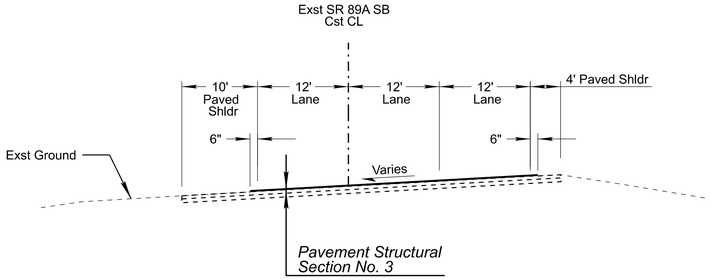
Total Thickness = 14"

SECTION NO. 2



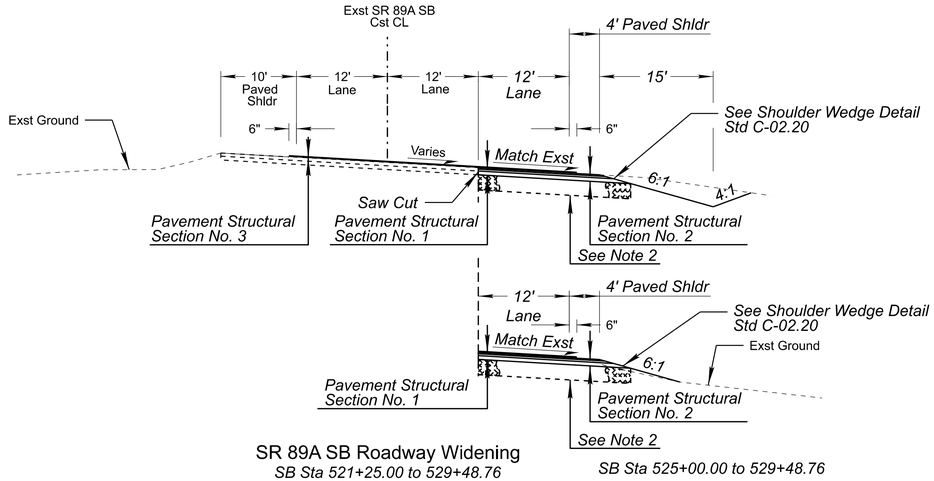
Total Thickness = 0"

SECTION NO. 3



SR 89A SB Mill & Microsurface

SB Sta 517+00.00 to 519+93.05

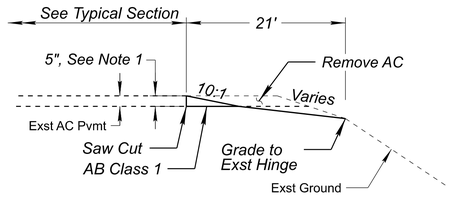


SR 89A SB Roadway Widening

SB Sta 521+25.00 to 529+48.76

SB Sta 525+00.00 to 529+48.76

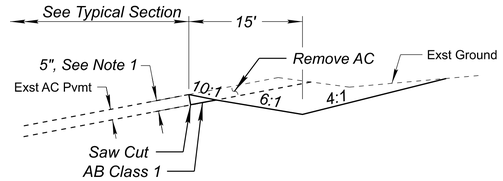
VIEW A



SR 89A SB AC Removal

SB Sta 505+40.00 to 515+89.17
SB Sta 529+48.76 to 534+00.00

VIEW A



SR 89A SB AC Removal

SB Sta 519+93.05 to 521+25.00

NOTE:

1. *AB Depth shall match the existing AC Pavement Thickness at Saw Cut and Taper Depth to Hinge Point.*
2. *Unsuitable material shall not be placed within 3 feet of the finished subgrade. Overexcavate existing material to a depth of 3 feet below finished subgrade and replace with material meeting a minimum R-value of 20. This work is included in the 2030301 and 2030302 pay items, no separate measurement or payment will be made.*
3. *AR-ACFC milling is measured and paid for under item no. 2020075 per unit square yard.*

1

Registered Professional Engineer (Civil) CERTIFICATE NO. 75741 COLE LASTOVICA Date Signed 10/31/2025 ARIZONA U.S.

	NAME	DATE
DESIGN	ZSZ	03/26
DRAWN	RM	03/26
CHECKED	CML	03/26

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3133 East Camelback Road, Suite 100
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Phone: (602) 333-2200

ARIZONA DEPARTMENT OF TRANSPORTATION
PROJECT DELIVERY AND OPERATIONS DIVISION
ROADWAY DESIGN SERVICES

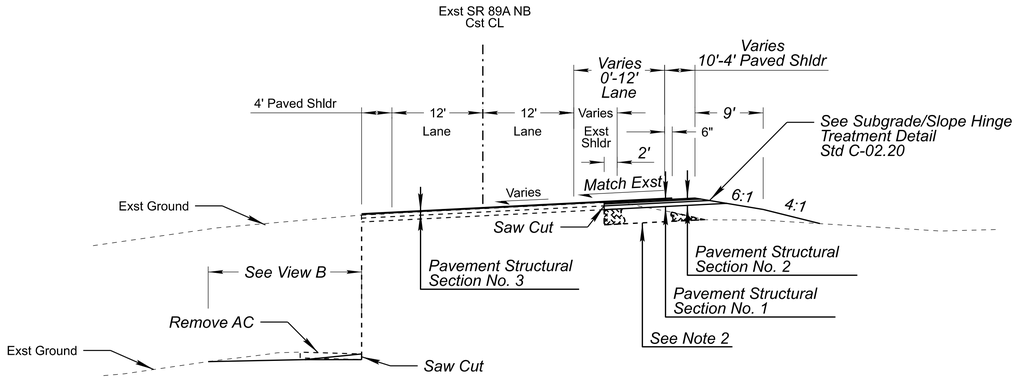
TYPICAL SECTIONS
PAVEMENT STRUCTURAL SECTIONS

ROUTE
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	089A YV 362	A89-B(225)T	3	58	

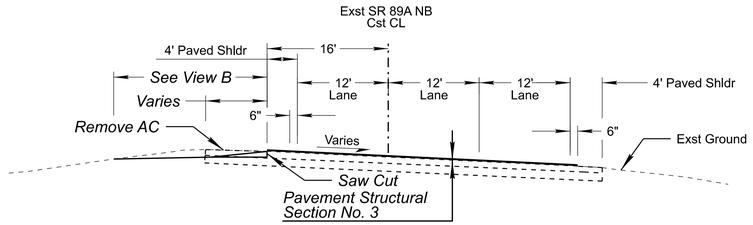
LOCATION: SR89A AT PAGE SPRINGS ROAD
DWG NO. G-02.01
TRACS NO. F0624 01C
___ OF ___

NO.	DESCRIPTION OF REVISIONS	MADE BY	DATE
1	UPDATE NOTE 2	CML	10/2026

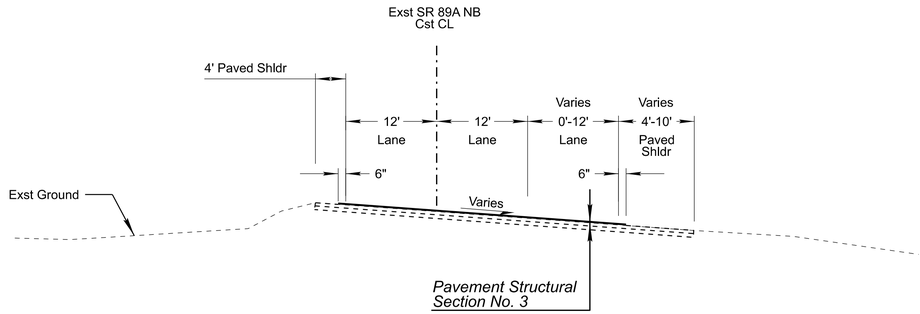


NB Sta 517+11.71 to 518+31.48

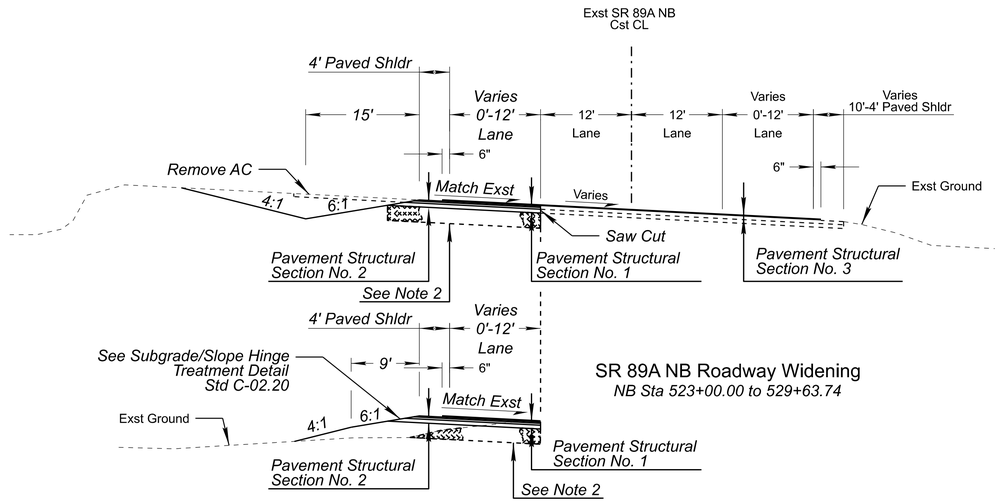
SR 89A NB Roadway Widening
NB Sta 515+17.45 to 518+31.48



SR 89A NB Shoulder Removal
NB Sta 518+31.48 to 523+00.00



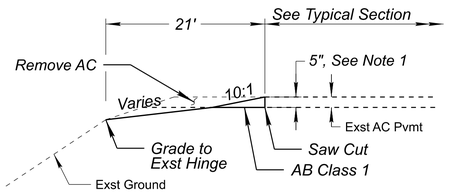
SR 89A NB Mill & Microsurface
NB Sta 529+63.74 to 543+43.00



SR 89A NB Roadway Widening
NB Sta 523+00.00 to 529+63.74

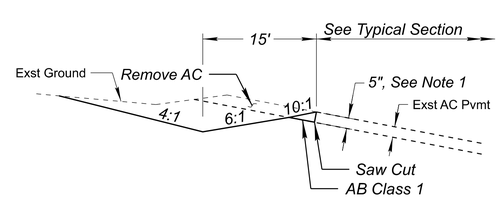
NB Sta 526+50.00 to 529+63.74

VIEW B



SR 89A NB AC Removal
NB Sta 517+11.71 to 519+50.00

VIEW B



SR 89A NB AC Removal
NB Sta 519+50.00 to 523+00.00

NOTE:

1. *AB Depth shall match the existing AC Pavement Thickness at Saw Cut and Taper Depth to Hinge Point.*
2. *Unsuitable material shall not be placed within 3 feet of the finished subgrade. Overexcavate existing material to a depth of 3 feet below finished subgrade and replace with material meeting a minimum R-value of 20. This work is included in the 2030301 and 2030302 pay items, no separate measurement or payment will be made.*

1

Registered Professional Engineer (Civil) CERTIFICATE NO. 75741 COLE LASTOVICA Date Signed 10/12/2026 ARIZONA U.S.A.

	NAME	DATE
DESIGN	ZSZ	03/26
DRAWN	RM	03/26
CHECKED	CML	03/26

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3133 East Camelback Road, Suite 100
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Phone: (602) 333-2200

ARIZONA DEPARTMENT OF TRANSPORTATION
PROJECT DELIVERY AND OPERATIONS DIVISION
ROADWAY DESIGN SERVICES

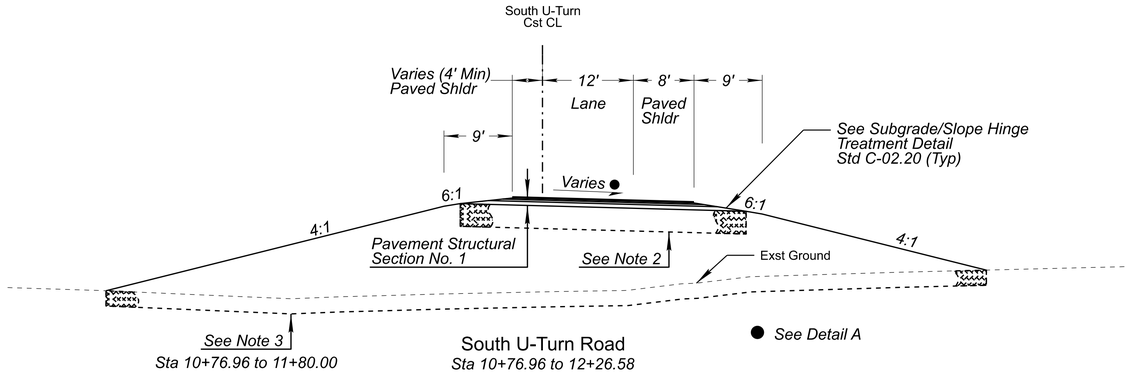
TYPICAL SECTIONS

ROUTE
MILEPOST
STRUCTURE NO.

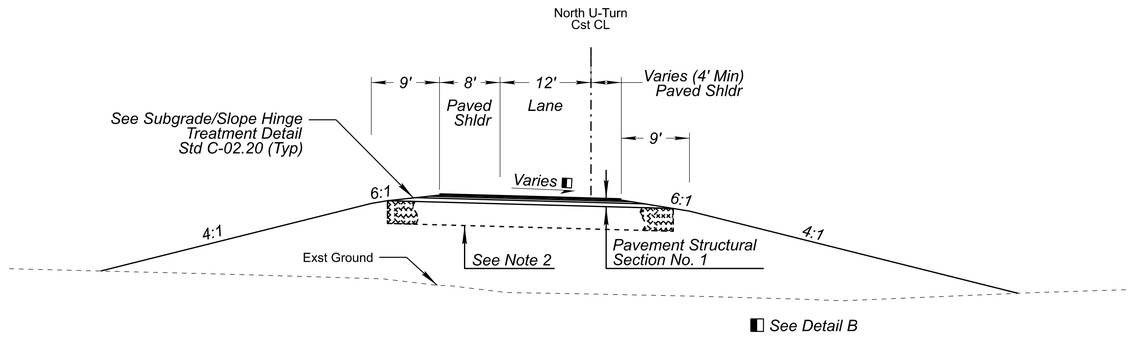
F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	089A YV 362	A89-B(225)T	4	58	

LOCATION: SR89A AT PAGE SPRINGS ROAD
DWG NO. G-02.02
TRACS NO. F0624 01C
____ OF ____

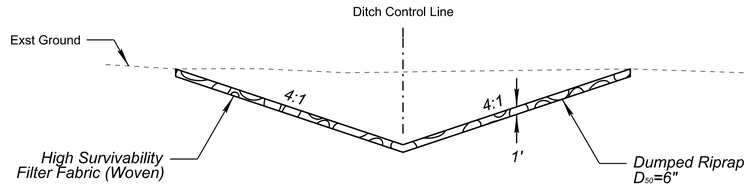
NO.	DESCRIPTION OF REVISIONS	MADE BY	DATE
1	UPDATE NOTE 2	CML	10/2026



South U-Turn Road
Sta 10+76.96 to 11+80.00
Sta 10+76.96 to 12+26.58



North U-Turn Road
Sta 50+76.23 to 52+97.20



Graded Ditch (See Plans for Location)
SR89A NB Sta 519+50, 31' Lt
SR89A SB Sta 521+25, 43' Rt

NOTE:

1. *AB Depth shall match the existing AC Pavement Thickness at Saw Cut and Taper Depth to Hinge Point.*
2. *Unsuitable material shall not be placed within 3 feet of the finished subgrade. Overexcavate existing material to a depth of 3 feet below finished subgrade and replace with material meeting a minimum R-value of 20. This work is included in the 2030301 and 2030302 pay items, no separate measurement or payment will be made.*
3. *The ground surface within embankment fill areas greater than five feet in height should be overexcavated, moisture conditioned, and recompacted two feet below existing grade. This work is included in the 2030302 pay item, no separate measurement or payment will be made.*

1

Registered Professional Engineer (Civil) CERTIFICATE NO. 75741 COLE LASTOVICA Date Signed 10/12/2026 ARIZONA U.S.A.

	NAME	DATE
DESIGN	ZSZ	03/26
DRAWN	RM	03/26
CHECKED	CML	03/26

Stanley Consultants INC.
3133 East Camelback Road, Suite 100
Phoenix, Arizona 85016
Phone: (602) 333-2200

ARIZONA DEPARTMENT OF TRANSPORTATION
PROJECT DELIVERY AND OPERATIONS DIVISION
ROADWAY DESIGN SERVICES

TYPICAL SECTIONS

ROUTE
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	089A YV 362	A89-B(225)T	5	58	

LOCATION SR89A AT PAGE SPRINGS ROAD
DWG NO. G-02.03
TRACS NO. F0624 01C
____ OF ____

ACTIVITY NO.	CONSTRUCTION ACTIVITY	TRAFFIC CONTROL	COMMENTS
1	Install Advance Signing.	Install standard long-term advance warning signs and changeable message boards (CMB) as shown on the advance warning sign detail on Dwg No. T-02.03. During sign installation, traffic control shall be shown as on the Manual of Uniform Traffic Control Devices (MUTCD) TA-4 for short duration or mobile operation on shoulder. Provide traffic control per Figure SA-12 in ADOT TCDG when workers are present.	Signs shall be placed on embedded posts for the duration of the construction. Shadow vehicles shall be equipped with a truck mounted attenuator.
2	Mill SR 89A to remove existing 1/2-inch AR-ACFC overlay.	Close right or left lane as needed in both the northbound and southbound directions per ADOT Temporary Traffic Control Design Guidelines (TCDG) Figure SA-5R or Figure SA-5L. Provide traffic control per Figure SA-12 in ADOT TCDG when workers are present. Maintain access to Page Springs Road using the existing left-turn and right-turn lanes.	Install vertical panels at spacing per ADOT Temporary TCDG based on posted speed limit.
3	Construct north and south U-turn movements, northbound SR 89A inside widening north of the existing intersection, and southbound SR 89A inside widening north of the existing intersection. Complete modifications to existing lighting and install new lighting. Construct drainage structures.	Close left lane on SR 89A in both the northbound and southbound directions per ADOT TCDG Figure SA-5L. Close existing northbound to soundbound left turn lane. Provide traffic control per Figure SA-12 in ADOT TCDG when workers are present. Maintain access to Page Springs Road using the existing southbound and westbound left-turn lane and northbound right-turn lane. Protect areas of overexcavation per details on T-02.02. (1)	Install vertical panels at spacing per ADOT Temporary TCDG based on posted speed limit. Construction of north U-turn and inside widening shall be limited to areas that do not impede on the southbound to eastbound and westbound to southbound traffic movements at the existing intersection.
4	Construct northbound SR 89A outside widening. Complete modifications to existing lighting and install new lighting.	Close right lane on northbound SR 89A per ADOT TCDG Figure SA-5R. Provide traffic control per Figure SA-12 in ADOT TCDG when workers are present. Maintain access to Page Springs Road using the existing southbound and westbound left-turn lane and northbound right turn lane. Protect areas of overexcavation per details on T-02.02. (1)	Install vertical panels at spacing per ADOT Temporary TCDG based on posted speed limit.
5	Construct northbound and southbound inside lane widening and AC pavement removal at the existing SR 89A and Page Springs intersection. Complete construction of north U-turn. Complete modifications to existing lighting and install new lighting.	Close left lane on SR 89A in both the northbound and southbound directions per ADOT TCDG Figure SA-5L. Provide traffic control per Figure SA-12 in ADOT TCDG when workers are present. Westbound to southbound left-turn shall be detoured to the Angel Valley Road intersection per Dwg No. T-02.04. Protect areas of overexcavation per details on T-02.02. (1)	Install vertical panels at spacing per ADOT Temporary TCDG based on posted speed limit.
6	Microsurface SR 89A	Close right or left lane as needed in both the northbound and southbound directions per ADOT Traffic Control Design Guidelines (TCDG) Figure SA-5R or Figure SA-5L. Provide traffic control per Figure SA-12 in ADOT TCDG when workers are present.	Shadow vehicles shall be equipped with a truck mounted attenuator.
7	Apply temporary paint. Place final pavement markings, install rumble strips, and install new signs. Remove Construction Signs including Advance Signing.	Provide traffic control per Figures SA-19D and SA-19E in ADOT's TCDG and per MUTCD TA-4. Provide traffic control per Figure SA-12 in ADOT TCDG when workers are present. During sign removal, traffic control shall be shown as on the MUTCD TA-4 for short duration or mobile operation on shoulder	Shadow vehicles shall be equipped with a truck mounted attenuator.

NO.	DESCRIPTION OF REVISIONS	MADE BY	DATE
1	UPDATE ACTIVITY 3, 4 & 5.	HEN	10/2026

Registered Professional Engineer (Civil) CERTIFICATE NO. 69331 HANNAH NE.WHARD Date Signed 10/9/26

	NAME	DATE
DESIGN	HEN	07/26
DRAWN	SRH	07/26
CHECKED	NFC	07/26

Stanley Consultants INC.
3133 East Camelback Road, Suite 100
Phoenix, Arizona 85016
Phone: (602) 333-2200

ARIZONA DEPARTMENT OF TRANSPORTATION
PROJECT DELIVERY AND OPERATIONS DIVISION
TRAFFIC DESIGN SERVICES

TRAFFIC CONTROL
CONSTRUCTION ACTIVITY

ROUTE
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	089A YV 362	A89-B(225)T	28	58	

LOCATION SR89A AT PAGE SPRINGS ROAD
DWG NO. T-01.01
TRACS NO. F0624 01C
____ OF ____

NO.	DESCRIPTION OF REVISIONS	MADE BY	DATE
1	UPDATE QUANTITIES AND ADD DETAIL/TABLE.	HEN	10/2026

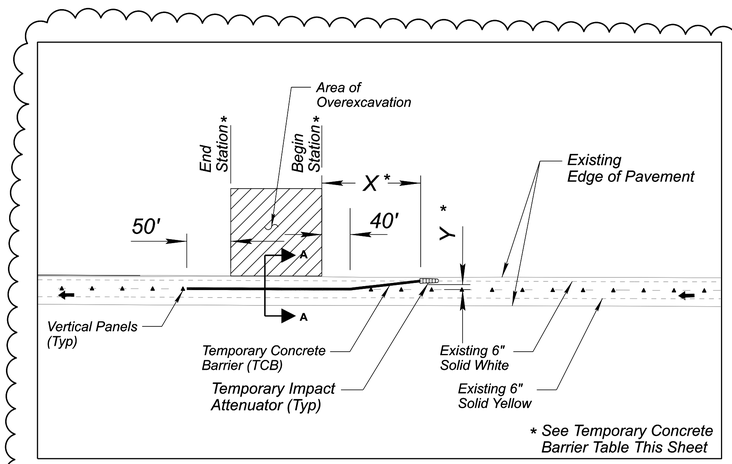
APPROXIMATE TRAFFIC CONTROL QUANTITIES

BID ITEM NO.	ELEMENT OF WORK	UNIT	ADVANCE SIGNING	CONSTRUCTION PHASE						TOTAL
				Activity 2	Activity 3	Activity 4	Activity 5	Activity 6	Activity 7	
	ESTIMATED WORKING DAYS	DAYS	**168***	**4**	**64**	**5**	**14**	**5**	**11**	**120**
7015010	TEMPORARY CONCRETE BARRIER (INSTALLATION AND REMOVAL)	L.FT.	0	0	1,920	620	1,820	0	0	4,360
7015020	TEMPORARY IMPACT ATTENUATORS (INSTALLATION AND REMOVAL)	EACH	0	0	4	1	3	0	0	8
7016020	TEMPORARY CONCRETE BARRIER (IN USE)	L.FT.-DAY	0	0	122,880	3,100	25,480	0	0	151,460
7016021	TEMPORARY IMPACT ATTENUATORS (IN USE)	EACH-DAY	0	0	256	5	42	0	0	303
7016030	BARRICADE (TYPE 1, TYPE 2, VERT.PANEL, TUBULAR MARKER)	EACH-DAY	5,644	424	6,208	215	1,330	471	0	14,292
7016033	PORTABLE SIGN STAND (SPRING TYPE)	EACH-DAY	2	80	1,472	55	334	106	114	2,163
7016035	WARNING LIGHT (TYPE A)	EACH-DAY	304	80	1,472	55	322	106	0	2,339
7016037	WARNING LIGHT (TYPE C)	EACH-DAY	5,644	424	6,208	215	1,330	471	0	14,292
7016039	EMBEDDED SIGN POST	EACH-DAY	2,280	0	0	0	0	0	0	2,280
7016050	TRUCK-MOUNTED ATTENUATOR	EACH-DAY	2	34	120	45	8	5	11	225
7016051	TEMPORARY SIGN (LESS THAN 10 S.F.)	EACH-DAY	310	0	0	0	48	0	38	396
7016052	TEMPORARY SIGN (10 S.F. OR MORE)	EACH-DAY	1,976	80	1,472	55	322	106	76	4,087
7016061	FLASHING ARROW PANEL	EACH-DAY	2	8	128	5	28	9	21	201
7016067	CHANGEABLE MESSAGE BOARD (CONTRACTOR FURNISHED)	EACH-DAY	332	0	0	0	0	0	0	332
7016082	FLAGGING SERVICES (LOCAL ENFORCEMENT OFFICER)(WITH AGENCY VEHICLE)	HOUR	0	32	16	16	16	24	0	104

1

1

* Quantities are based off of Calendar Days

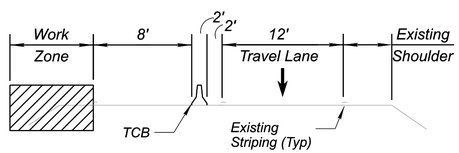


TEMPORARY CONCRETE BARRIER DETAIL

TEMPORARY CONCRETE BARRIER TABLE

Activity No.	Location	Begin Station	End Station	Direction	Side	X (ft)	Y (ft)
3	TCB 1	515+84	517+00	SB	RT	240	9.5
5	TCB 2	521+25	523+00	SB	RT	240	9.5
3	TCB 3	523+00	526+00	SB	RT	240	9.5
5	TCB 4	526+00	529+49	SB	RT	240	9.5
4	TCB 5	515+17	518+32	NB	RT	240	9.5
5	TCB 6	523+00	527+20	NB	LT	240	9.5
3	TCB 7	527+20	529+64	NB	LT	240	9.5
3	TCB 8	516+28	517+12	NB	LT	240	9.5

1



Typical Section A-A

Note:
Typical Section can be mirrored to accommodate traffic traveling in the opposite direction or construction happening on the opposite side of the road.

Registered Professional Engineer (Civil) CERTIFICATE NO. 69331 HANNAH NEWHARD Date Signed 10/26/26

	NAME	DATE
DESIGN	HEN	07/26
DRAWN	SRH	07/26
CHECKED	NFC	07/26

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ARIZONA DEPARTMENT OF TRANSPORTATION
PROJECT DELIVERY AND OPERATIONS DIVISION
TRAFFIC DESIGN SERVICES

TRAFFIC CONTROL QUANTITIES

ROUTE
MILEPOST
STRUCTURE NO.

F.H.W.A. Arizona Division	STATE	PROJECT NO.	FEDERAL ID NO.	SHEET NO.	TOTAL SHEETS	RECORD DRAWING
	ARIZ.	089A YV 362	A89-B(225)T	30	58	

LOCATION SR89A AT PAGE SPRINGS ROAD — DWG NO. T-02.02

TRACS NO. F0624 01C — ____ OF ____