

Road-Stream Crossing Assessment Field Data Form

QA/QC	INITIALS:	DATE:	
Status	FINAL	FOLLOW-UP	

	Crossing CodeStart TimeAM / PM	pp. 4-5
	Lead Field Data CollectorEnd TimeAsst. Field Data CollectorsEnd TimeAM / PM	
	MunicipalityCountyStream	_
	RoadType MULTI-LANE PAVED UNPAVED DRIVEWAY TRAIL RAILROAD	
	GPS Coordinates (Decimal degrees) • N Latitude • W Longitude	
⋖	Location Description	_
DAT		_
N G	Crossing Type BRIDGE CULVERT MULTIPLE CULVERT FORD NO CROSSING REMOVED CROSSING Number of Culverts / Cells BURIED STREAM INACCESSIBLE PARTIALLY INACCESSIBLE NO UPSTREAM CHANNEL BRIDGE ADEQUATE	pp. 5-7
055	Photo # INLET	_
CRC	Photo # UPSTREAM Photo # DOWNSTREAM Photo # Photo # Photo #	_
	Photo # Photo # Photo # Photo # Photo #	_
	Flow Condition NO FLOW TYPICAL-LOW MODERATE HIGH Road-Killed Wildlifeor None	_
	Visible Utilities OVERHEAD WIRES WATER/SEWER PIPES GAS LINE NONE OTHER	-
	Alignment SHARP BEND MILD BEND NATURALLY STRAIGHT CHANNELIZED STRAIGHT Road Fill Height Road Crest Height	pp. 9-12
	Bankfull Width Confidence HIGH LOW/ESTIMATED Constriction SEVERE MODERATE SPANS ONLY BANKFULL/ACTIVE CHANNEL	dd
	Tailwater Scour Pool NONE SMALL LARGE SPANS FULL CHANNEL & BANKS	
œ	Using HY-8? YES NO Estimated Overtopping LengthCrest Width Road Surface Type PAVED GRAVEL GRASS	pp. 8, 13-15
H Y -	Channel Slope 5:1 4:1 3:1 2:1 1:1 Stream Substrate MUCK/SILT SAND GRAVEL COBBLE BOULDER 0.5:1 steeper than 0.5:1 BEDROCK UNKNOWN	pp. 8,
	Bank Erosion HIGH LOW ESTIMATED NONE Significant Break in Valley Slope YES NO UNKNOWN	pp. 13
EO	Sediment Deposition UPSTREAM DOWNSTREAM WITHIN STRUCTURE NONE	- 0
Q	Elevation of Sediment Deposits >= 1/2 Bankfull Height YES NO	_
	Tidal? YES NO UNKNOWN Tide Chart Location Tide Prediction AM / PM	pp. 16-18
_	Tide Stage LOW SLACK TIDE LOW EBB TIDE LOW FLOOD TIDE UNKNOWN OTHER	pp.
IDAL	Vegetation Above/Below ■ COMPARABLE ■ SLIGHTLY DIFFERENT ■ MODERATELY DIFFERENT ■ VERY DIFFERENT ■ UNKNOWN	_
F	Tide Gate Type NONE STOP LOGS FLAP GATE SLUICE GATE SELF-REGULATING OTHER	_
	Tide Gate Severity NONE MINOR MODERATE SEVERE NO AQUATIC PASSAGE	
STZ		pp. 5
¥ E		-
COMMENTS		- 81
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CRC		FORM PUBLISHED: OCTOBER 18, 2018
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S	TRUCTURE 1 Structure Materia						100TH METAI		UGATED MET	ΓAL		pp. 19-35
	Outlet Shape 1 2 3 4 5								IE NOT E	EXTENSIVE	EXTENSIVE	
늘	Outlet Grade (Pick one) AT STREAM GRA	ADE FRE	E FALL (CASCADE	FREE FALL	ONTO CASO	CADE UN	KNOWN				-
OUTLET	Outlet Dimensions A. Width	B. Heig	ht	C. S	ubstrate/Wat	er Width		_ D. Water	Depth			-
0	Outlet Drop to Water Surface											
	·		·					reigite (1) pe	bridges omy,_		·	•
	L. Structure Length (Overall length from inlet to						_					е
	Inlet Shape 1 2 3 4											pp. 35-43
ь	Inlet Type PROJECTING HEADWA						_		SQUARE EDG	E AND WING	WALLS	d
INLET	HEADWALL WITH GROOVE											_
	Inlet Grade (Pick one) AT STREAM GRA	ADE INLE	ET DROP	PERCHED	CLOGG	ED/COLLAP:	SED/SUBMER	GED UN	KNOWN			
	Inlet Dimensions A. Width	B. Heig	ht	C. S	ubstrate/Wat	er Width		_ D. Water	Depth			
S	Slope % Slope Confid	ence H	IGH LO	W Int	ernal Structu	res NC	ONE BAF	FLES/WEIRS	SUPPO	RTS OTH	ER	pp. 43-56
N O	Structure Substrate Matches Stream	NONE C	OMPARABLE	CONTR	RASTING	NOT APPRO	PRIATE U	INKNOWN				pp.
DITI	Structure Substrate Type (Pick one) NC	ONE SILT	SAND	GRAVE	_ COBBLI	E BOUL	DER BED	ROCK U	JNKNOWN			
NO	Structure Substrate Coverage NONE	25%	50%	75% 10	0% U NK	NOWN						
C	Physical Barriers (Pick all that apply) NON						FAII FF	NCING	DRY O	THER		-
NAL	_						17.22					
0_	Severity (Choose carefully based on barrier type(s											-
DII	Water Depth Matches Stream YES						,					
AD	Water Velocity Matches Stream YES				UNKNOWN	DRY						
	Dry Passage through Structure? YES	NO	UNKNOWN	l .	Height abo	ve Dry Passa	ge					_
<u> </u>	Dry Passage through Structure? YES	NO	UNKNOWN	INLET	Height abo	ve Dry Passa	ge		OUTLET	Г		57-70
MENT	Dry Passage through Structure?	Adequate	Poor		Height abo	ve Dry Passa N/A	geAdequate		OUTLET Critical	Unknown	N/A	pp. 57-70
SSMENT	Dry Passage through Structure? YES Longitudinal Alignment			INLET		·					N/A	pp. 57-70
SESSM	Longitudinal Alignment Level of Blockage			INLET		·					N/A	pp. 57-70
ASSESSM	Longitudinal Alignment Level of Blockage Flared End Section			INLET		·					N/A	pp. 57-70
ON ASSESSM	Longitudinal Alignment Level of Blockage Flared End Section Invert Deterioration			INLET		·					N/A	pp. 57-70
ON ASSESSM	Longitudinal Alignment Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing			INLET		·					N/A	pp. 57-70
DITION ASSESSM	Longitudinal Alignment Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing Cross-Section Deformation			INLET		·					N/A	pp. 57-70
ON ASSESSM	Longitudinal Alignment Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing			INLET		·					N/A	pp. 57-70
CONDITION ASSESSM	Longitudinal Alignment Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing Cross-Section Deformation Structural Integrity of Barrel			INLET		·					N/A	pp. 57-70
CONDITION ASSESSM	Longitudinal Alignment Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing Cross-Section Deformation Structural Integrity of Barrel Joints and Seams			INLET		·					N/A	pp. 57-70
CTURAL CONDITION ASSESSM	Longitudinal Alignment Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing Cross-Section Deformation Structural Integrity of Barrel Joints and Seams Footings Headwall/Wingwalls Armoring			INLET		·					N/A	pp. 57-70
CTURAL CONDITION ASSESSM	Longitudinal Alignment Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing Cross-Section Deformation Structural Integrity of Barrel Joints and Seams Footings Headwall/Wingwalls Armoring Apron/Scour Protection			INLET		·					N/A	pp.57-70
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S	TRUCTURE 2 Structure Materia						100TH METAI		UGATED MET	ΓAL		pp. 19-35
	Outlet Shape 1 2 3 4 5								IE NOT E	EXTENSIVE	EXTENSIVE	
늌	Outlet Grade (Pick one) AT STREAM GRA	ADE FRE	E FALL (CASCADE	FREE FALL	ONTO CASO	CADE UN	KNOWN				-
OUTLET	Outlet Dimensions A. Width	B. Heia	ht	. C. S	ubstrate/Wat	er Width		D. Water	Depth			-
0	Outlet Drop to Water Surface											
	· ·		·		11	, '	E. Abutment r	neight (Type	/ bridges only)_			-
	L. Structure Length (Overall length from inlet to	outlet)	·									
	Inlet Shape 1 2 3 4	5 6	7	FORD U	JNKNOWN	REMOVE	D					pp. 35-43
	Inlet Type PROJECTING HEADWA	ALL WITH SQI	UARE EDGE	HEADW	ALL WITH GR	OOVED EDG	E HEAD\	WALL WITH	SQUARE EDG	E AND WING	WALLS	dd
NLET	HEADWALL WITH GROOVE	D/BEVELED	EDGE AND W	VINGWALLS	MITERED	TO SLOPE	OTHER	NONE				_
	Inlet Grade (Pick one) AT STREAM GRA	ADE INLE	ET DROP	PERCHED	CLOGG	ED/COLLAP	SED/SUBMER	GED UN	KNOWN			
	Inlet Dimensions A. Width	B. Heig	ht	C. S	ubstrate/Wat	er Width		_ D. Water	Depth			
S	Slope % Slope Confid	ence H	IGH LO	W Int	ernal Structu	res NC	ONE BAF	FLES/WEIRS	SUPPO	RTS OTH	ER	3-56
NO NO	Structure Substrate Matches Stream	NONE C	OMPARABLE	E CONTR	RASTING	NOT APPRO	PRIATE U	JNKNOWN				pp. 43-56
DITIC	Structure Substrate Type (Pick one) NC								INKNOWN			
OND			_				DEN BED	NOCK	JINKINOWIN			
0	Structure Substrate Coverage NONE											-
NAL	Physical Barriers (Pick all that apply) NON	NE DEBR	RIS/SEDIMEN	T/ROCK	DEFORMATIO	ON FREE	FALL FE	NCING	DRY O	THER		
N N	Severity (Choose carefully based on barrier type(s) above) N	ONE M	INOR M	ODERATE	SEVERE						
E	Water Depth Matches Stream YES	NO-SHALL	OWER N	NO-DEEPER	UNKNOV	/N DRY	′					•
DD	Water Velocity Matches Stream YES	NO-FAST	ΓER NO-	SLOWER	UNKNOWN	DRY						
⋖-												_
	Dry Passage through Structure? YES	NO	UNKNOWN	l	Height abo	ve Dry Passa	ge					
_	Dry Passage through Structure? YES	NO	UNKNOWN		Height abo	ve Dry Passa	ge		OUT! F	_		-70
EN	Dry Passage through Structure? YES			INLET		,			OUTLET		N/A	pp. 57-70
SMENT	. 5 5	Adequate	Poor		Height abo	ve Dry Passa	Adequate	Poor	OUTLE ¹ Critical	Unknown	N/A	pp. 57-70
SESSMENT	Longitudinal Alignment Level of Blockage			INLET		,					N/A	pp. 57-70
ESSM	Longitudinal Alignment			INLET		,					N/A	pp. 57-70
N ASSESSM	Longitudinal Alignment Level of Blockage			INLET		,					N/A	pp. 57-70
ON ASSESSM	Longitudinal Alignment Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing			INLET		,					N/A	pp. 57-70
DITION ASSESSM	Longitudinal Alignment Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing Cross-Section Deformation			INLET		,					N/A	pp. 57-70
ONDITION ASSESSM	Longitudinal Alignment Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing Cross-Section Deformation Structural Integrity of Barrel			INLET		,					N/A	pp. 57-70
CONDITION ASSESSM	Longitudinal Alignment Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing Cross-Section Deformation Structural Integrity of Barrel Joints and Seams			INLET		,					N/A	pp. 57-70
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CTURAL CONDITION ASSESSM	Longitudinal Alignment Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing Cross-Section Deformation Structural Integrity of Barrel Joints and Seams Footings Headwall/Wingwalls			INLET		,					N/A	pp. 57-70
CONDITION ASSESSM	Longitudinal Alignment Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing Cross-Section Deformation Structural Integrity of Barrel Joints and Seams Footings Headwall/Wingwalls Armoring			INLET		,					N/A	pp. 57-70
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												-
S	TRUCTURE 3 Structure Materia						100TH METAI		UGATED MET	TAL		pp. 19-35
	Outlet Shape 1 2 3 4 5								IE NOT E	EXTENSIVE		
늘	Outlet Grade (Pick one) AT STREAM GRA	ADE FRE	E FALL (CASCADE	FREE FALL	ONTO CASO	CADE UN	KNOWN				
OUTLET	Outlet Dimensions A. Width	B. Heig	ht	C. S	ubstrate/Wat	er Width		_ D. Water	Depth			
0	Outlet Drop to Water Surface											
	·		·			· ·		reigite (1) pe	bridges omy,_		·	
	L. Structure Length (Overall length from inlet to						_					m
	Inlet Shape 1 2 3 4											pp. 35-43
NLET	Inlet Type PROJECTING HEADWA						_		SQUARE EDG	E AND WING	WALLS	۵
Z	HEADWALL WITH GROOVE											
	Inlet Grade (Pick one) AT STREAM GRA	ADE INLE	ET DROP	PERCHED	CLOGG	ED/COLLAP:	SED/SUBMER	GED UN	KNOWN			
	Inlet Dimensions A. Width	B. Heig	ht	C. S	ubstrate/Wat	er Width	<u> </u>	_ D. Water	Depth			
<u>~</u>	Slope % Slope Confid	ence H	IGH LO	W Int	ernal Structu	res NC	ONE BAF	FLES/WEIRS	SUPPO	RTS OTH	ER	pp. 43-56
N O	Structure Substrate Matches Stream	NONE C	COMPARABLE	CONTR	ASTING	NOT APPRO	PRIATE U	INKNOWN				pp.
DITI	Structure Substrate Type (Pick one) NC	NE SILT	SAND	GRAVE	COBBLE	BOUL	DER BED	ROCK 🔃 l	JNKNOWN			
N O	Structure Substrate Coverage NONE	25%	50%	75% 10	0% UNK	NOWN						
C	Physical Barriers (Pick all that apply) NON	NE DEBR	RIS/SEDIMEN	T/ROCK	DEFORMATIC	N FREE	FALL FE	:NCING	DRY O	THER		
NAL	Severity (Choose carefully based on barrier type(s)					_			_			
OE	•						,					
	Water Depth Matches Stream YES											
AD	Water Velocity Matches Stream YES				UNKNOWN	DRY						
				ı								
	Dry Passage through Structure? YES	NO	UNKNOWN	l	Height abo	ve Dry Passa	ge					0
۲	Dry Passage through Structure?	NO	UNKNOWN	INLET	Height abo	ve Dry Passa	ge		OUTLET	r		1, 57-70
MENT	Dry Passage through Structure?	Adequate	Poor		Height about	ve Dry Passa N/A	geAdequate		OUTLE ¹ Critical	Unknown	N/A	pp. 57-70
ESSMENT	Longitudinal Alignment			INLET		,					N/A	pp. 57-70
SESSM	Longitudinal Alignment Level of Blockage			INLET		,					N/A	pp. 57-70
ASSESSM	Longitudinal Alignment Level of Blockage Flared End Section			INLET		,					N/A	pp. 57-70
ON ASSESSM	Longitudinal Alignment Level of Blockage			INLET		,					N/A	pp. 57-70
DITION ASSESSM	Longitudinal Alignment Level of Blockage Flared End Section Invert Deterioration			INLET		,					N/A	pp. 57-70
N ASSESSM	Longitudinal Alignment Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing Cross-Section Deformation Structural Integrity of Barrel			INLET		,					N/A	pp. 57-70
CONDITION ASSESSM	Longitudinal Alignment Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing Cross-Section Deformation Structural Integrity of Barrel Joints and Seams			INLET		,					N/A	pp. 57-70
CONDITION ASSESSM	Longitudinal Alignment Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing Cross-Section Deformation Structural Integrity of Barrel Joints and Seams Footings			INLET		,					N/A	pp. 57-70
CONDITION ASSESSM	Longitudinal Alignment Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing Cross-Section Deformation Structural Integrity of Barrel Joints and Seams Footings Headwall/Wingwalls			INLET		,					N/A	pp. 57-70
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CONDITION ASSESSM	Longitudinal Alignment Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing Cross-Section Deformation Structural Integrity of Barrel Joints and Seams Footings Headwall/Wingwalls Armoring			INLET		,					N/A	pp. 57-70
STRUCTURAL CONDITION ASSESSM	Longitudinal Alignment Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing Cross-Section Deformation Structural Integrity of Barrel Joints and Seams Footings Headwall/Wingwalls Armoring Apron/Scour Protection			INLET		,					N/A	
STRUCTURAL CONDITION ASSESSM	Longitudinal Alignment Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing Cross-Section Deformation Structural Integrity of Barrel Joints and Seams Footings Headwall/Wingwalls Armoring Apron/Scour Protection			INLET		,					N/A	pp. 44
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	S.	TRUCTURE 4 Structure Materia						IOOTH METAL			ĀL		pp. 19-35
		Outlet Shape 1 2 3 4 5	6 7	FORD	UNKNOWN	REMOV	ED O	utlet Armorin	g NON	IE NOT E	XTENSIVE	EXTENSIV	
	Ξ.	Outlet Grade (Pick one) AT STREAM GRA	ADE FRE	E FALL	CASCADE	FREE FALL	ONTO CASO	CADE UN	KNOWN				_
	OUTLET	Outlet Dimensions A. Width	B. Heig	ıht	C. S	ubstrate/Wat	er Width		D. Water	Depth			-
		Outlet Drop to Water Surface	Out	let Drop to S	tream Bottor	n	E	E. Abutment H	leight (Type :	7 bridges only)_			
		L. Structure Length (Overall length from inlet to							3				
		3				INIKNOWN	DEMOVE	D					43
		Inlet Shape 1 2 3 4									5 4 N D N M N C		pp. 35-43
i	- L	Inlet Type PROJECTING HEADWA HEADWALL WITH GROOVE								SQUARE EDG	E AND WING\	WALLS	Ω
=	Z .									IKNOWN			-
		Inlet Grade (Pick one) AT STREAM GRA											
		Inlet Dimensions A. Width											١٥.
4	2	Slope % Slope Confid	ence H	IGH LO	W Int	ernal Structu	res NC	NE BAF	FLES/WEIRS	SUPPO	RTS OTHI	ER	pp. 43-56
	<u>S</u>	Structure Substrate Matches Stream	NONE (COMPARABLE	CONTR	ASTING	NOT APPRO	PRIATE U	NKNOWN				dd
!		Structure Substrate Type (Pick one) NC	NE SILT	SAND	GRAVE	COBBLE	BOUL	DER BED	ROCK 🔳 l	JNKNOWN			
	z O	Structure Substrate Coverage NONE	25%	50%	75% 10	0% UNK	NOWN						
	ပ ပ	Physical Barriers (Pick all that apply) NON	NE DEBR	RIS/SEDIMEN	T/ROCK	DEFORMATIC	N FREE	FALL FE	NCING	DRY O	THER		-
	ONAL	Severity (Choose carefully based on barrier type(s)	above) N	IONE M	INOR M	ODERATE	SEVERE						
	2	Water Depth Matches Stream YES	NO-SHALL	OWFR N	NO-DEEPER	UNKNOW	/N DRY	,					-
	חח	Water Velocity Matches Stream YES											
	< -	Dry Passage through Structure? YES				Height abov		g.o.					-
		, , , ,				пеідіі аро	ve Diy Fassa	ge					0
	⊢ Z W				INLET					OUTLET			pp. 57-70
	ESSM	Law ethan discal All source and	Adequate	Poor	Critical	Unknown	N/A	Adequate	Poor	Critical	Unknown	N/A	
	ш	Longitudinal Alignment Level of Blockage											
	ASS	Flared End Section											
		Invert Deterioration											
	ONDITION	Buoyancy or Crushing											
		Cross-Section Deformation											
	ဝ ပ	Structural Integrity of Barrel Joints and Seams											
		Footings											
	CTURAL	Headwall/Wingwalls											
	בו	Armoring											
	STRU												
		Apron/Scour Protection											
	ST	Apron/Scour Protection Embankment Piping											
													p. 44
													pp. 44
													-
	COMMENTS												_
	COMMENTS												-
	CTURE COMMENTS												-
	COMMENTS												NRM PUBLISHED: OCTOBER 18, 2018 pp. 44

S	STRUCTURE 5 Structure Materia						100TH METAI		UGATED MET	ΓAL		pp. 19-35
	Outlet Shape 1 2 3 4 5								IE NOT E	EXTENSIVE	EXTENSIVE	
늘	Outlet Grade (Pick one) AT STREAM GRA	ADE FRE	E FALL (CASCADE	FREE FALL	ONTO CASO	CADE UN	KNOWN				
OUTLET	Outlet Dimensions A. Width	B. Heig	ht	C. S	ubstrate/Wat	er Width		_ D. Water	Depth			
0	Outlet Drop to Water Surface											
	·		·					reigite (1) pe	bridges omy,_		·	
	L. Structure Length (Overall length from inlet to						_					е
	Inlet Shape 1 2 3 4											pp. 35-43
NLET	Inlet Type PROJECTING HEADWA						_		SQUARE EDG	E AND WING	WALLS	d
Z	HEADWALL WITH GROOVE											-
	Inlet Grade (Pick one) AT STREAM GRA	ADE INLE	ET DROP	PERCHED	CLOGG	ED/COLLAP	SED/SUBMER	GED UN	KNOWN			
	Inlet Dimensions A. Width	B. Heig	ht	C. S	ubstrate/Wat	er Width	<u> </u>	_ D. Water	Depth			
<u>~</u>	Slope % Slope Confid	ence H	IGH LO	N Int	ernal Structu	res NO	ONE BAF	FLES/WEIRS	SUPPO	RTS OTH	ER	pp. 43-56
N O	Structure Substrate Matches Stream	NONE C	COMPARABLE	CONTR	RASTING	NOT APPRO	PRIATE U	INKNOWN				pp.
DITI	Structure Substrate Type (Pick one) NC	ONE SILT	SAND	GRAVE	_ COBBLI	BOUL	DER BED	ROCK 🔃 l	JNKNOWN			
N O	Structure Substrate Coverage NONE	25%	50%	75% 10	0% UNK	NOWN						
C	Physical Barriers (Pick all that apply) NON	NE DEBR	IS/SEDIMEN	T/ROCK	DEFORMATIO	N FREE	FALL FE	:NCING	DRY O	THER		
NAL	Severity (Choose carefully based on barrier type(s								_			
OE	·						,					-
	Water Depth Matches Stream YES											
ΑD	Water Velocity Matches Stream YES				UNKNOWN	DKY						
	Dry Daccage through Ctructure?	NO	AVVOIANIL I	1								
	Dry Passage through Structure? YES	NO	UNKNOWN	1	Height abo	ve Dry Passa	ge					
L	Dry Passage through Structure? YES	NO	UNKNOWN	INLET	Height abo	ve Dry Passa	ge		OUTLET			0. 57-70
MENT	Dry Passage through Structure? YES	NO Adequate	Poor		Height abo	ve Dry Passa N/A	geAdequate		OUTLE1 Critical	Unknown	N/A	pp. 57-70
ESSMENT	Longitudinal Alignment			INLET		,					N/A	pp. 57-70
SESSM	Longitudinal Alignment Level of Blockage			INLET		,					N/A	pp. 57-70
ASSESSM	Longitudinal Alignment Level of Blockage Flared End Section			INLET		,					N/A	pp. 57-70
ON ASSESSM	Longitudinal Alignment Level of Blockage			INLET		,					N/A	pp. 57-70
DITION ASSESSM	Longitudinal Alignment Level of Blockage Flared End Section Invert Deterioration			INLET		,					N/A	pp. 57-70
N ASSESSM	Longitudinal Alignment Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing Cross-Section Deformation Structural Integrity of Barrel			INLET		,					N/A	pp. 57-70
CONDITION ASSESSM	Longitudinal Alignment Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing Cross-Section Deformation Structural Integrity of Barrel Joints and Seams			INLET		,					N/A	pp. 57-70
CONDITION ASSESSM	Longitudinal Alignment Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing Cross-Section Deformation Structural Integrity of Barrel Joints and Seams Footings			INLET		,					N/A	pp. 57-70
CONDITION ASSESSM	Longitudinal Alignment Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing Cross-Section Deformation Structural Integrity of Barrel Joints and Seams Footings Headwall/Wingwalls			INLET		,					N/A	pp. 57-70
CTURAL CONDITION ASSESSM	Longitudinal Alignment Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing Cross-Section Deformation Structural Integrity of Barrel Joints and Seams Footings			INLET		,					N/A	pp. 57-70
CONDITION ASSESSM	Longitudinal Alignment Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing Cross-Section Deformation Structural Integrity of Barrel Joints and Seams Footings Headwall/Wingwalls Armoring			INLET		,					N/A	pp. 57-70
STRUCTURAL CONDITION ASSESSM	Longitudinal Alignment Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing Cross-Section Deformation Structural Integrity of Barrel Joints and Seams Footings Headwall/Wingwalls Armoring Apron/Scour Protection			INLET		,					N/A	
STRUCTURAL CONDITION ASSESSM	Longitudinal Alignment Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing Cross-Section Deformation Structural Integrity of Barrel Joints and Seams Footings Headwall/Wingwalls Armoring Apron/Scour Protection			INLET		,					N/A	pp. 44
STRUCTURAL CONDITION ASSESSM	Longitudinal Alignment Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing Cross-Section Deformation Structural Integrity of Barrel Joints and Seams Footings Headwall/Wingwalls Armoring Apron/Scour Protection			INLET		,					N/A	pp. 44
STRUCTURAL CONDITION ASSESSM	Longitudinal Alignment Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing Cross-Section Deformation Structural Integrity of Barrel Joints and Seams Footings Headwall/Wingwalls Armoring Apron/Scour Protection			INLET		,					N/A	pp. 44
COMMENTS STRUCTURAL CONDITION ASSESSM	Longitudinal Alignment Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing Cross-Section Deformation Structural Integrity of Barrel Joints and Seams Footings Headwall/Wingwalls Armoring Apron/Scour Protection			INLET		,					N/A	pp. 44
COMMENTS STRUCTURAL CONDITION ASSESSM	Longitudinal Alignment Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing Cross-Section Deformation Structural Integrity of Barrel Joints and Seams Footings Headwall/Wingwalls Armoring Apron/Scour Protection			INLET		,					N/A	pp. 44
STRUCTURAL CONDITION ASSESSM	Longitudinal Alignment Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing Cross-Section Deformation Structural Integrity of Barrel Joints and Seams Footings Headwall/Wingwalls Armoring Apron/Scour Protection			INLET		,					N/A	

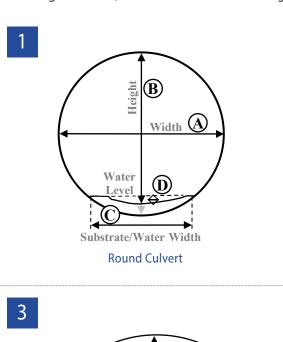
	Si	TRUCTURE 6 Structure Materia						IOOTH METAL			TAL .		pp. 19-35
		Outlet Shape 1 2 3 4 5	6 7	FORD	UNKNOWN	REMOV	ED O	utlet Armoring	g NON	IE NOT E	EXTENSIVE	EXTENSIV	
	빌	Outlet Grade (Pick one) AT STREAM GRA	ADE FRE	E FALL	CASCADE	FREE FALL	ONTO CASO	CADE UNI	KNOWN				_
Ė	OUILEI	Outlet Dimensions A. Width	B. Heig	ht	C. S	ubstrate/Wat	er Width		D. Water	Depth			-
		Outlet Drop to Water Surface	Out	let Drop to S	tream Bottor	n	E	E. Abutment H	leight (Type :	7 bridges only)_			
		L. Structure Length (Overall length from inlet to							3				
		3 · · · · 3				INIKNOWN	DEMOVE	D					43
		Inlet Shape 1 2 3 4											pp. 35-43
F	;	Inlet Type PROJECTING HEADWA HEADWALL WITH GROOVE								SQUARE EDG	E AND WING\	WALLS	Ω
Z										IKNOWN			-
		Inlet Grade (Pick one) AT STREAM GRA											
		Inlet Dimensions A. Width											١٥.
<u>u</u>	2	Slope % Slope Confide	ence H	IGH LO	W Int	ernal Structui	res NC	ONE BAFI	FLES/WEIRS	SUPPO	RTS OTHI	ER	pp. 43-56
	\supset	Structure Substrate Matches Stream	NONE C	COMPARABLE	E CONTR	RASTING	NOT APPRO	PRIATE U	NKNOWN				dd
E	=	Structure Substrate Type (Pick one) NO	NE SILT	SAND	GRAVE	COBBLE	BOUL	DER BEDI	ROCK 🔳 l	JNKNOWN			
2	Z	Structure Substrate Coverage NONE	25%	50%	75% 10	0% UNKI	NOWN						
_		Physical Barriers (Pick all that apply) NON	NE DEBR	RIS/SEDIMEN	T/ROCK	DEFORMATIO	N FREE	FALL FE	NCING	DRY O	THER		-
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	₹ Z	Severity (Choose carefully based on barrier type(s)	above) N	ONE M	INOR M	ODERATE	SEVERE						
	2 -	Water Depth Matches Stream YES	NO-SHALL	OWFR N	NO-DEEPER	UNKNOW	/N DRY	,					-
	ם	Water Velocity Matches Stream YES											
	₹-	Dry Passage through Structure? YES				Height abov		go.					-
		, , , , , , , , , , , , , , , , , , , ,				neight abov	ve Diy Fassa	ge					
													02
T I I	_ Z				INLET					OUTLET			op. 57-70
- WENE	N EN	Lowerton Born Allows	Adequate	Poor	INLET Critical	Unknown	N/A	Adequate	Poor	OUTLE1 Critical	Unknown	N/A	pp. 57-70
FILENTA	ESSMENI	Longitudinal Alignment	Adequate	Poor		Unknown	N/A	Adequate				N/A	pp. 57-70
V 0 0 L	SESSM	Longitudinal Alignment Level of Blockage Flared End Section	Adequate	Poor		Unknown	N/A	Adequate				N/A	pp. 57-70
A COL	ASSESSM	Level of Blockage	Adequate	Poor		Unknown	N/A	Adequate				N/A	pp. 57-70
A COL	ASSESSM	Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing	Adequate	Poor		Unknown	N/A	Adequate				N/A	pp. 57-70
A COL	ASSESSM	Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing Cross-Section Deformation	Adequate	Poor		Unknown	N/A	Adequate				N/A	pp. 57-70
AN OFFICIAL	ONDITION ASSESSM	Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing Cross-Section Deformation Structural Integrity of Barrel	Adequate	Poor		Unknown	N/A	Adequate				N/A	pp. 57-70
	CONDITION ASSESSM	Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing Cross-Section Deformation	Adequate	Poor		Unknown	N/A	Adequate				N/A	pp. 57-70
	CONDITION ASSESSM	Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing Cross-Section Deformation Structural Integrity of Barrel Joints and Seams	Adequate	Poor		Unknown	N/A	Adequate				N/A	pp. 57-70
	CIURAL CONDITION ASSESSM	Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing Cross-Section Deformation Structural Integrity of Barrel Joints and Seams Footings Headwall/Wingwalls Armoring	Adequate	Poor		Unknown	N/A	Adequate				N/A	pp. 57-70
	CIURAL CONDITION ASSESSM	Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing Cross-Section Deformation Structural Integrity of Barrel Joints and Seams Footings Headwall/Wingwalls Armoring Apron/Scour Protection	Adequate	Poor		Unknown	N/A	Adequate				N/A	pp. 57-70
	CONDITION ASSESSM	Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing Cross-Section Deformation Structural Integrity of Barrel Joints and Seams Footings Headwall/Wingwalls Armoring	Adequate	Poor		Unknown	N/A	Adequate				N/A	pp. 57-70
NOSESSA NOSESSA SA SESSA	SIRUCIURAL CONDITION ASSESSM	Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing Cross-Section Deformation Structural Integrity of Barrel Joints and Seams Footings Headwall/Wingwalls Armoring Apron/Scour Protection	Adequate	Poor		Unknown	N/A	Adequate				N/A	
NOTE AND IN CHARACTER	SIRUCIURAL CONDITION ASSESSM	Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing Cross-Section Deformation Structural Integrity of Barrel Joints and Seams Footings Headwall/Wingwalls Armoring Apron/Scour Protection	Adequate	Poor		Unknown	N/A	Adequate				N/A	pp. 44
NOTE AND IN CHARACTER	SIRUCIURAL CONDITION ASSESSM	Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing Cross-Section Deformation Structural Integrity of Barrel Joints and Seams Footings Headwall/Wingwalls Armoring Apron/Scour Protection	Adequate	Poor		Unknown	N/A	Adequate				N/A	pp. 44
No service and ser	COMMENIS SIRUCIURAL CONDITION ASSESSM	Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing Cross-Section Deformation Structural Integrity of Barrel Joints and Seams Footings Headwall/Wingwalls Armoring Apron/Scour Protection	Adequate	Poor		Unknown	N/A	Adequate				N/A	pp.44
No service and ser	COMMENIS SIRUCIURAL CONDITION ASSESSM	Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing Cross-Section Deformation Structural Integrity of Barrel Joints and Seams Footings Headwall/Wingwalls Armoring Apron/Scour Protection	Adequate	Poor		Unknown	N/A	Adequate				N/A	pp. 44
STINE WOOD IN GETTO HOTEL	OMMENIS SIRUCIURAL CONDITION ASSESSM	Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing Cross-Section Deformation Structural Integrity of Barrel Joints and Seams Footings Headwall/Wingwalls Armoring Apron/Scour Protection	Adequate	Poor		Unknown	N/A	Adequate				N/A	

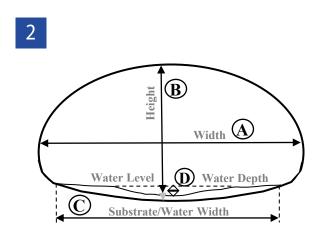
S	STRUCTURE 7 Structure Materia						100TH METAI		UGATED MET	ΓAL		pp. 19-35
	Outlet Shape 1 2 3 4 5								IE NOT E	EXTENSIVE	EXTENSIVE	
늘	Outlet Grade (Pick one) AT STREAM GRA	ADE FRE	E FALL (CASCADE	FREE FALL	ONTO CASO	CADE UN	KNOWN				
OUTLET	Outlet Dimensions A. Width	B. Heig	ht	C. S	ubstrate/Wat	er Width		_ D. Water	Depth			
0	Outlet Drop to Water Surface											
	·		•				L. Abdillient i	icigiii (Type i	bridges omy		·	
	L. Structure Length (Overall length from inlet to											т
	Inlet Shape 1 2 3 4											pp. 35-43
ᇤ	Inlet Type PROJECTING HEADWA						_		SQUARE EDG	E AND WING	WALLS	d
INLET	HEADWALL WITH GROOVE											-
	Inlet Grade (Pick one) AT STREAM GRA	ADE INLE	ET DROP	PERCHED	CLOGG	ED/COLLAP	SED/SUBMER	GED UN	KNOWN			
	Inlet Dimensions A. Width	B. Heig	ht	C. S	ubstrate/Wat	er Width		_ D. Water	Depth			
S	Slope % Slope Confid	ence H	IGH LO	N Int	ernal Structu	res NC	ONE BAF	FLES/WEIRS	SUPPO	RTS OTH	ER	pp. 43-56
N O	Structure Substrate Matches Stream	NONE C	COMPARABLE	CONTR	RASTING	NOT APPRO	PRIATE U	INKNOWN				pp.
DITI	Structure Substrate Type (Pick one) NC	ONE SILT	SAND	GRAVE	_ COBBLI	E BOUL	DER BED	ROCK U	JNKNOWN			
NO	Structure Substrate Coverage NONE	25%	50%	75% 10	0% UNK	NOWN						
C	Physical Barriers (Pick all that apply) NON						FALL FF	NCING	DRY O	THFR		•
NAL	Severity (Choose carefully based on barrier type(s											
0	·											-
DIT	Water Depth Matches Stream YES						,					
AD	Water Velocity Matches Stream YES				UNKNOWN	DRY						
			I I I I I I I I A I A I A I A I A I A I									
	Dry Passage through Structure? YES	NO	UNKNOWN		Height abo	ve Dry Passa	ge					
۱	Dry Passage through Structure? YES	NO	UNKNOWN	INLET	Height abo	ve Dry Passa	ge		OUTLET			0. 57-70
MENT	Dry Passage through Structure? YES	NO Adequate	Poor		Height abo	ve Dry Passa N/A	geAdequate		OUTLE1 Critical	Unknown	N/A	pp. 57-70
ESSMENT	Longitudinal Alignment			INLET		,					N/A	pp. 57-70
SESSM	Longitudinal Alignment Level of Blockage			INLET		,					N/A	pp. 57-70
ASSESSM	Longitudinal Alignment Level of Blockage Flared End Section			INLET		,					N/A	pp. 57-70
ON ASSESSM	Longitudinal Alignment Level of Blockage			INLET		,					N/A	pp. 57-70
DITION ASSESSM	Longitudinal Alignment Level of Blockage Flared End Section Invert Deterioration			INLET		,					N/A	pp. 57-70
N ASSESSM	Longitudinal Alignment Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing Cross-Section Deformation Structural Integrity of Barrel			INLET		,					N/A	pp. 57-70
CONDITION ASSESSM	Longitudinal Alignment Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing Cross-Section Deformation Structural Integrity of Barrel Joints and Seams			INLET		,					N/A	pp. 57-70
CONDITION ASSESSM	Longitudinal Alignment Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing Cross-Section Deformation Structural Integrity of Barrel Joints and Seams Footings			INLET		,					N/A	pp. 57-70
CONDITION ASSESSM	Longitudinal Alignment Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing Cross-Section Deformation Structural Integrity of Barrel Joints and Seams Footings Headwall/Wingwalls			INLET		,					N/A	pp. 57-70
CTURAL CONDITION ASSESSM	Longitudinal Alignment Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing Cross-Section Deformation Structural Integrity of Barrel Joints and Seams Footings			INLET		,					N/A	pp. 57-70
CONDITION ASSESSM	Longitudinal Alignment Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing Cross-Section Deformation Structural Integrity of Barrel Joints and Seams Footings Headwall/Wingwalls Armoring			INLET		,					N/A	pp. 57-70
STRUCTURAL CONDITION ASSESSM	Longitudinal Alignment Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing Cross-Section Deformation Structural Integrity of Barrel Joints and Seams Footings Headwall/Wingwalls Armoring Apron/Scour Protection			INLET		,					N/A	
STRUCTURAL CONDITION ASSESSM	Longitudinal Alignment Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing Cross-Section Deformation Structural Integrity of Barrel Joints and Seams Footings Headwall/Wingwalls Armoring Apron/Scour Protection			INLET		,					N/A	pp. 44
STRUCTURAL CONDITION ASSESSM	Longitudinal Alignment Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing Cross-Section Deformation Structural Integrity of Barrel Joints and Seams Footings Headwall/Wingwalls Armoring Apron/Scour Protection			INLET		,					N/A	pp. 44
STRUCTURAL CONDITION ASSESSM	Longitudinal Alignment Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing Cross-Section Deformation Structural Integrity of Barrel Joints and Seams Footings Headwall/Wingwalls Armoring Apron/Scour Protection			INLET		,					N/A	pp. 44
COMMENTS STRUCTURAL CONDITION ASSESSM	Longitudinal Alignment Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing Cross-Section Deformation Structural Integrity of Barrel Joints and Seams Footings Headwall/Wingwalls Armoring Apron/Scour Protection			INLET		,					N/A	pp. 44
COMMENTS STRUCTURAL CONDITION ASSESSM	Longitudinal Alignment Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing Cross-Section Deformation Structural Integrity of Barrel Joints and Seams Footings Headwall/Wingwalls Armoring Apron/Scour Protection			INLET		,					N/A	pp. 44
STRUCTURAL CONDITION ASSESSM	Longitudinal Alignment Level of Blockage Flared End Section Invert Deterioration Buoyancy or Crushing Cross-Section Deformation Structural Integrity of Barrel Joints and Seams Footings Headwall/Wingwalls Armoring Apron/Scour Protection			INLET		,					N/A	

Structure Shape & Dimensions

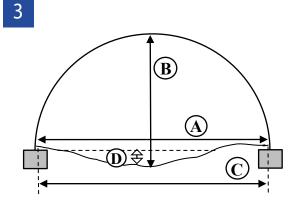
- 1) Select the Structure Shape number from the diagrams below and record it on the form for Inlet and Outlet Shape.
- Record on the form in the appropriate blanks dimensions A, B, C and D as shown in the diagrams;
 C captures the width of water or substrate, whichever is wider; for dry culverts without substrate, C = 0.
 D is the depth of water -- be sure to measure inside the structure; for dry culverts, D = 0.
- 3) Record Structure Length (L). (Record abutment height (E) only for Type 7 Structures.)
- 4) For multiple culverts, also record the Inlet and Outlet shape and dimensions for each additional culvert.

NOTE: Culverts 1, 2 & 4 may or may not have substrate in them, so height measurements (B) are taken from the level of the "stream bed", whether that bed is composed of substrate or just the inside bottom surface of a culvert (grey arrows below show measuring to bottom, black arrows show measuring to substrate).





Pipe Arch/Elliptical Culvert



Open Bottom Arch Bridge/Culvert

