

Kentucky Transportation Cabinet **Division of Highway Design**

STORM SEWER SYSTEM SUMMARY

County:		R	oute:	Item #:									
UPN :													
Outfall Statio	n:				tfall Off	l Offset:				ft			
System Sta	a. to Sta. :				to								
				EXISTIN	IG CC	NDITIC	ONS						
Downstrear	m Receivir		Tailwater Control:										
Receiving Structure Area:				Ac	Wtd	Wtd "C":		Tc:		mir		oe:	
Return Interval (years)			2	5		10	25		50		100		500
Discha													
Flow Depth													
Existing Culvert or Channel at Outfall													
Channel Sid			Slopes Lt:		:1 Rt:		:1 Bottom \		Width:		ft Slop		e:
Culvert Outl	Culvert Outlet Size :		D	Dia			Material		Outlet El			' .	
Outlet Conditions Area		Area		Ac	Wtd	"C":	Tc:		mir		n. Slope :		
Return Interval (years)		2	5		10	2	25		0	100		500	
Discharge (cfs)													
Flow Depth (ft)													
Velocity (ft/s)													
	PROPOSED CONDITIONS												
			Tailwater Control :										
Downstrear	m Receivir	ng Str	ucture :			rair	wate	r Cont	trol :				
Downstrear Receiving S		ng Str Area		Ac	Wtd		wate	Tc:	trol :	mir	n. Slop	oe :	
Receiving S		Area		Ac 5	Wtd				trol : 5		Slop		500
Receiving S	Structure	Area	:	 	Wtd	"C":		Tc:					500
Receiving S	Structure erval (year arge (cfs)	Area	:	 	Wtd	"C":		Tc:					500
Receiving S Return Int Discha	Structure erval (year arge (cfs)	Arears)	2	 	Wtd	"C":		Tc:					500
Receiving S Return Int Discha	Structure erval (year arge (cfs) ; Tailwate	Arears)	2	5	Wtd	10		Tc:		0		0	500
Receiving S Return Int Discha Flow Depth Proposed	Structure serval (year arge (cfs) ; Tailwate d Outfall St fall Size:	Arears)	: 2	5	Wtd	10	2	Tc:		0	10	0 V.	500
Receiving S Return Int Discha Flow Depth Proposed Stm Swr Outf Outlet Cor	Structure serval (year arge (cfs) ; Tailwate d Outfall St fall Size:	Area rs) r (ft) tructu	: 2	5 ia		10	Mater	Tc:		Outl	10	0 v. •	500
Receiving S Return Int Discha Flow Depth Proposed Stm Swr Outf Outlet Cor Return Int	Structure serval (year arge (cfs) ; Tailwate d Outfall St fall Size:	Area rs) r (ft) tructu	: 2	5 ia Ac		"C":	Mater	Tc: 25 rial Tc:	5	Outl	et Ele	0 v. •	
Receiving S Return Int Discha Flow Depth Proposed Stm Swr Outf Outlet Cor Return Int Discha	Structure serval (year arge (cfs) ; Tailwate d Outfall St fall Size : nditions	Area rs) r (ft) tructu	: 2	5 ia Ac		"C":	Mater	Tc: 25 rial Tc:	5	Outl	et Ele	0 v. •	
Receiving S Return Int Discha Flow Depth Proposed Stm Swr Outf Outlet Cor Return Int Discha Flow I	Structure serval (year arge (cfs) ; Tailwate d Outfall St fall Size : nditions serval (year arge (cfs)	Area rs) r (ft) tructu	: 2	5 ia Ac		"C":	Mater	Tc: 25 rial Tc:	5	Outl	et Ele	0 v. •	
Receiving S Return Int Discha Flow Depth Proposed Stm Swr Outf Outlet Cor Return Int Discha Flow I Velod	Structure serval (year arge (cfs) ; Tailwate d Outfall St fall Size : nditions serval (year arge (cfs) Depth (ft)	Area rs) r (ft) tructur Area rs)	: 2 re D	5 ia Ac		"C":	Mater	Tc: 25 rial Tc:	5	Outl	et Ele	0 v. •	
Receiving S Return Int Discha Flow Depth Proposed Stm Swr Outf Outlet Cor Return Int Discha Flow E Velod Analysis	Structure serval (year arge (cfs) ; Tailwate d Outfall St fall Size : nditions serval (year arge (cfs) Depth (ft) city (ft/s)	Area rs) r (ft) ructur Area rs)	re Di con	5 ia Ac		"C":	Mater	Tc: 25 rial Tc:	5	Outl	et Ele	0 v. •	
Receiving S Return Int Discha Flow Depth Proposed Stm Swr Outf Outlet Cor Return Int Discha Flow E Velod Analysis	Structure serval (year arge (cfs) ; Tailwate d Outfall St fall Size : nditions serval (year arge (cfs) Depth (ft) city (ft/s) Software (Area rs) r (ft) ructur Area rs)	re Di con	5 ia Ac		"C":	Mater	Tc: 25 rial Tc:	5	Outl	et Ele	0 v. •	
Receiving S Return Int Discha Flow Depth Proposed Stm Swr Outf Outlet Cor Return Int Discha Flow E Velod Analysis	Structure serval (year arge (cfs) ; Tailwate d Outfall St fall Size : nditions serval (year arge (cfs) Depth (ft) city (ft/s) Software (Area rs) r (ft) ructur Area rs)	re Di con	5 ia Ac		"C":	Mater	Tc: 25 rial Tc:	5	Outl	et Ele	0 v. •	

Computation	onal Output for	Storm Sewer A	nalysis										
Inlet O	utput Data												
											Computed		Pipe Inlet
Inlet ID	Station	Lt/Rt	Area	С	CA	Tc	I	Q	CBI Throat	Structure	System	System	Control
									DBI Top/Grate	Invert	HGL	Surcharge	HW
			(Ac)			(min)	(In/Hr)	(cfs)	(Elevation)	(Elevation)	(Elevation)		(Elevation)
Pipe O	utput Data												
	Upstream	Upstream	Downstream	Downstream									Full
Pipe ID	Inlet	Invert	Inlet	Invert	Length	Slope	Dia.	Mannings	System CA	System Tc	System Q	Velocity	Flow
	ID		ID					n					Capacity
		(Elevation)		(Elevation)	(ft)	(ft/ft)	(in)			(min)	(cfs)	(fps)	(cfs)