

FM Area Diversion Project
Draft Cash Budget - FY 2018

FY 2018 - DRAFT

Schedule Budget Categories	Pre-Injunction Plan DRAFT Cash Budget	DRAFT STAND DOWN
PROGRAM	177,819,450	82,516,324
Diversion Channel & Assoc. Infrastructure	11,693,365	-
Management, Legal, Financial, Procurement	7,554,515	-
Develop RFQ (DCAI)		
DCAI Procurement Costs (DCAI)	6,112,247	-
PPP Financial Services	442,268	-
PPP Legal Services	1,000,000	-
Channel - Construction	4,138,850	-
Channel - Utility Relocations	1,463,850	-
DCAI CM Costs	2,675,000	-
DCAI Design Build	-	
Southern Embankment & Assoc. Infrastructure	2,017,419	17,419
WP-26 Diversion Inlet	17,419	17,419
Design Cost (WP26 - Diversion Inlet Structure)		
Construction (WP26 - Diversion Inlet Structure)	17,419	17,419
CM Costs (WP26 - Diversion Inlet Structure) Preload)		
SDC Costs (WP26 - Diversion Inlet Structure)		
WP-27 Red River - West Embankment	-	-
Design Cost (WP27 - Red River West Embankment)		
Construction (WP27 - Red River West Embankment)		
CM Costs (WP27 - Red River West Embankment)		
SDC Costs (WP27 - Red River West Embankment)		
WP-29 Red River - East Embankment	-	-
Design Cost (WP29 - Red River East Embankment)		
Construction (WP29 - Red River East Embankment)		
CM Costs (WP29 - Red River East Embankment)		
SDC Costs (WP29 - Red River East Embankment)		
WP-30 Wild Rice River Control Structure	-	-
Design Cost (WP30 - Wild Rice River Control Structure)		
Construction (WP30 - Wild Rice River Control Structure)		
CM Costs (WP30 - Wild Rice River Control Structure)		
SDC Costs (WP30 - Wild Rice River Control Structure)		

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Schedule Budget Categories	Pre-Injunction Plan	DRAFT
	DRAFT Cash Budget	STAND DOWN
WP-31 I-29 NS Bridge	-	-
Design Cost (WP31 - I-29 Interchange)	-	-
Construction (WP31 - I-29 Interchange)		
CM Costs (WP31 - I-29 Interchange)		
SDC Costs (WP31 - I-29 Interchange)		
WP-33 CR81 Bridge	-	-
Design Cost (WP33 - Cass County Road 81 Bridge)		
Construction (WP33 - Cass County Road 81 Bridge)		
CM Costs (WP33 - Cass County Road 81 Bridge)		
SDC Costs (WP33 - Cass County Road 81 Bridge)		
WP-35 Red River Control Structure	-	-
Design Cost (WP35 - Red River Control Structure)		
Construction (WP35 - Red River Control Structure)		
CM Costs (WP35 - Red River Control Structure)		
SDC Costs (WP35 - Red River Control Structure)		
WP-39 Overflow Embankment	-	-
Design Cost (WP39 - Overflow Embankment)		
Construction (WP39 - Overflow Embankment)		
CM Costs (WP39 /Overflow Embankment)		
SDC Costs (WP39 - Overflow Embankment)		
WP-46 Utilities	-	-
Design Cost (WP46 - Phase 2 Utility Performed Relocations)		
Construction (WP46 - Phase 2 Utility Performed Relocations)		
CM Costs (WP46 - Phase 2 Utility Performed Relocations)		
SDC Costs (WP46 - Phase 2 Utility Performed Relocations)		
WP-47 Utilities	-	-
Design Cost (WP47 - Phase 2 DA Contracted Utility Relocations)		
Construction (WP47 - Phase 2 DA Contracted Utility Relocations)		
CM Costs (WP47 - Phase 2 DA Contracted Utility Relocations)		
SDC Costs (WP47 - Phase 2 DA Contracted Utility Relocations)		
WP-50 Phase II Demo	-	-
Design Cost (WP50 - Demolition SEAI)		
Demolition, Under Embankment Footprint (WP50 - Demolition SEAI)	-	-
CM Costs (WP50 - Demolition SEAI)		
SDC Costs (WP50 - Demolition SEAI)		

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Schedule Budget Categories	Pre-Injunction Plan DRAFT Cash Budget	DRAFT STAND DOWN
WP-51 Recreation	-	-
Design Cost (WP51 - Recreation SEAI)		
Install Recreation Features Phase 2 (WP51 - Recreation SEAI)		
Plant Native Vegetation (WP51 - Recreation SEAI)		
CM Costs Phase 2 (WP51 - Recreation SEAI)		
SDC Costs (WP51 -Recreation)		
WP-53 BNSF Moorhead Line Raise	-	-
Design Cost (WP53 - BNSF Moorhead Line Raise)		
Construction (WP53 - BNSF Moorhead Line Raise)		
CM Costs (WP53 - BNSF Moorhead Line Raise)		
SDC Costs (WP53 - BNSF Moorhead Line Raise)		
WP-54 - Hwy 75 Road Raise	-	-
Design Cost (WP54 - Hwy 75 Road Raise)		
Construction (WP54 - Hwy 75 Road Raise)		
CM Costs (WP54 - Hwy 75 Road Raise)		
SDC Costs (WP54 - Hwy 75 Road Raise)		
USACE Local Share \ Management Oversight	2,000,000	-
Corps Oversight (Allowance)		
DA Payments to USACE	2,000,000	-
Construction Management with the Corp (USACE)		
Other Mitigation Projects	10,486,040	9,522,382
WP-36 Wild Rice Dam Mitigation	-	-
Construction (WP36 - Wild Rice River Dam Mitigation)		
CM Costs (WP36 - Wild Rice River Dam Mitigation)		
SDC Costs (WP36 - Wild Rice River Dam Mitigation)		
WP-40 Drayton Dam Mitigation	-	-
Construction (WP40 - Drayton Dam Mitigation)		
CM Costs (WP40 - Drayton Dam Mitigation)		
SDC Costs (WP40 - Drayton Dam Mitigation)		
WP-41 Buffalo River Mitigation	-	-
Construction (WP41 - Future Stream Mitigation)		
CM Costs (WP41 - Future Stream Mitigation)		
SDC Costs (WP41 - Future Stream Mitigation)		

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WP-43 Oxbow-Hickson-Bakke	10,486,040	9,522,382
Construction/Demolition (WP43 all Subpackages)	8,437,043	8,437,043
CM Costs (WP43 all Subprojects)	375,000	213,120
SDC Costs (WP43 all Subprojects)	1,218,996	872,219
Install Recreation Features (WP43O - OHB Ring Levee Recreation)	380,000	-
Plant Native Vegetation (WP43O - OHB Ring Levee Recreation)		
CM Costs (WP43O - OHB Ring Levee Recreation)	75,000	-
SDC Costs (WP43O - OHB Ring Levee Recreation)		
WP-49 Cultural Remediation	-	-
Cultural Remediation (WP49C - Cultural Remedialtion Phase 1)		
CM Costs (WP49C - Cultural Remedialtion Phase 1)		
SDC Costs (WP49C - Cultural Remedialtion Phase 1)		
WP-52 Comstock Ring Levee	-	-
Construction (WP52 - Comstock Ring Levee)		
CM Costs (WP52 - Comstock Ring Levee)		
SDC Costs (WP52 - Comstock Ring Levee)		
In-Town Flood Protection	45,006,701	44,226,701
WP-42 In-Town Levees	2,053,482	1,273,482
CM Costs (WP42 all Subpackages)	390,000	180,000
SDC Costs (WP42 Red River Levees all Subprojects)	680,000	360,000
Construction (WP42A1A3 - Dwtm Levees 4th St. S Pump Station and Floodv	-	-
Construction (WP42A2 - Dwtm Levees 2nd St. North Pump Station)	-	-
Demolition (WP42C1 - Dwtm Levees HoJo's Shakeys Fargo Public Schools D	-	-
Demolition (WP42C2 - Dwtm Levees Park East Demo)	-	-
Construction Cost (WP42D1 - 1st St. From 2nd To 4th and 4th St. From 1st	-	-
Construction Cost (WP42D3 - Floodwall At 1st Ave. Bridge)	-	-
Construction Cost (WP42D4 - Xcel Energy)	-	-
Construction Cost (WP42D5 - Main Ave. Pump Station and Floodwall Utility	-	-
Construction (WP42D6 - 2nd Street South Levee)	-	-
Construction (WP42E - Dwtm Levees Main Ave. Lift Station and Gatewell)	950,000	700,000
Construction (WP42F1S - Dwtm Levees 2nd St. N. South of Pump Station)	-	-
Construction (WP42F1N - Dwtm Levees 2nd St. N. North of Pump Station)	-	-
Construction (WP42F2 - Dwtm Levees 2nd St. South)	-	-
Construction (WP42G - Dwtm Levees Landscaping and Planting)	33,482	33,482
Construction (WP42H1 - Dwtm Levees El Zagal Area Phase 1)	-	-
Demolition/Construction (WP42H2 - Dwtm Levees El Zagal Area Phase 2)	-	-
Construction (WP42I1 - Dwtm Levees Mickelson Levee Extension)	-	-
Design Cost (WP42J - Dwtm Levees Recreation)	-	-

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Install Recreation Features (WP42J - Dwtm Levees Recreation)		
Plant Native Vegetation (WP42J - Dwtm Levees Recreation)		
CM Costs (WP42J - Dwtm Levees Recreation)		
SDC Costs (WP42J - Dwtm Levees Recreation)		
Complementary In-Town Flood Protection	42,953,219	42,953,219
Enabling Work / Other	1,080,000	-
Demolition	-	-
Demolition (WP49B - Phase 3 Demolition)		
CM Costs (WP49B - Phase 3 Demolition)		
WP-28 - Cass County Road 16 and 17 Bridge	1,080,000	-
Construction (WP28 - Cass County Road 16 and 17 Bridge)	830,000	-
CM Costs (WP28 - Cass County Road 16 and 17 Bridge)	100,000	-
SDC Costs (WP28 - Cass County Road 16 and 17 Bridge)	150,000	-
Land Acquisition & Mitigation	73,422,645	3,239,434
Management, Legal, Financial, Procurement	5,970,000	270,000
DCAI - Relocation Benefits	500,000	100,000
Land Management Evaluation #1	-	-
Land Acquisition Services Costs	5,470,000	170,000
DIVERSION CHANNEL AND ASSOCIATED INFRASTRUCTURE	41,090,626	-
DCAI - Phase 1 Land Acquisition Costs	15,900,000	-
DCAI - Phase 1 Temporary Construction Easements		
DCAI - Phase 2 Land Acquisition Cost (Spent through 03.25.16)	17,600,000	-
DCAI - Phase 2 Land Acquisition Costs	-	-
DCAI - Phase 2 Temporary Construction Easements		
DCAI - Phase 3 Land Acquisition Costs	7,590,626	-
DCAI - Phase 3 Temporary Construction Easements		
SOUTHERN EMBANKMENT AND ASSOCIATED INFRASTRUCTURE	5,024,385	-
SEAI - Southern Embankment Land Acquisition Costs	5,024,385	-
SEAI - Southern Embankment Temp. Construction Easements		
SEAI - Rural Residential Acquisition	-	-
SEAI - Farmstead Acquisition Costs	-	-
SEAI - Business Acquisition Costs		
SEAI - Relocation Benefits	-	-

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MITIGATION AND ASSOCIATED INFRASTRUCTURE	9,137,634	2,969,434
Obtain Temporary Construction Easement Cost (WP36 - Wild Rice River Da	-	
Land Acquisition Cost (WP43 all Subpackages)	6,920,200	252,000
WP 43 Golf Club Relocation and Replacement	2,217,434	2,717,434
WP-38 Upstream Staging	12,000,000	-
WP38 - Flowage Easement	12,000,000	-
WP38 - Flowage Easement (FEMA, 6")		
WP38 - Flowage Easement (NDSWC, 925' flat pool)		
IN-TOWN FLOOD PROTECTION	200,000	-
Land Acquisition Cost (WP42 all Subpackages)	200,000	-
Engineering & Design Fees	2,259,388	462,158
Management, Legal, Financial, Procurement	840,000	-
Design Project Management Costs	840,000	-
WORK-IN-KIND PROGRAMS (WIK) STUDIES	521,470	20,000
Post-Feasibility Analysis	-	-
Meander Belt Width Analysis	-	-
Increased Flows Through Town	-	-
Hydraulic Models Update	100,000	-
General Support - Post Feasibility	-	-
General Support - Feasibility Study		
Drain 14	-	-
Extreme Rainfall	-	-
Lower Rush/Rush Connection	-	-
Hickson Hydrology Update		
Staging Area Culvert and Bridge Survey	-	-
Eastern Staging Area Evaluation	-	-
Water Monitoring Gage Survey	-	-
Balanced Hydrographs at Hickson, ND	-	-
Update River and Drain Structures in HEC-RAS Model	-	-
Additional Assistance for the Maple River Aquaduct Physical Model	-	-
Hydrology and Hydraulic Modeling		
Maximum-Project-Design-Flows	-	-
Phasing Plan Implementation Modeling	-	-
HEC-RAS Model Update	-	-
Update HEC-RAS Model-Connecting Channel and 20 year existing Conditions		
Initial Geotech		
Geomorphology Consulting	-	-
Cultural Surveys	150,000	-
Cemetery Berm Conceptual Designs and Rural Water Well Survey	-	-
NDSU AG Study	60,000	20,000

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	Local Drainage Plan - North	-
Local Drainage Plan - South	-	-
Transportation Master Plan - North	-	-
I-94 Bridge Master Plan	-	-
Transportation Master Plan - South	-	-
Recreation and Use Master Plan	-	-
Hydraulic Structure Aesthetic Evaluation	-	-
LFC Modeling: Maple River to Diversion Inlet	-	-
Develop Operations and Management Plan	211,470	-
Adaptive Management Plan	-	-
Pre-construction Monitoring of DCAI	-	-
Pre-construction Monitoring of SEAI	-	-
Pre-construction Monitoring of Mitigation	-	-
Construction Monitoring of DCAI	-	-
Construction Monitoring of SEAI	-	-
Construction Monitoring of Mitigation	-	-
INDICATIVE DESIGN	-	-
Design Cost (WP-11 / CR 20 Bridge)	-	-
Design Cost (WP-07 / CR 32 Bridge (within Reach 4) & CR 22 Bridge (within	-	-
Design Cost (WP-02/CR31 Bridge)	-	-
Design Cost (WP-28 / Cass County Road 16 and 17 Bridge)	-	-
Design Cost (WP-01/Reach 1 & Outlet)	-	-
Design Cost (WP-03/Reach 2)	-	-
Design Cost (WP-06A / Reach 4)	-	-
Design Cost (WP-08A / Reach 5)	-	-
Design Cost (WP-04/I-29 & CR 81 Bridges)	-	-
Design Cost (WP-10A / Reach 6)	-	-
Design Cost (WP-06B / Rush River Inlet)	-	-
Design Cost (WP-08B / Lower Rush River Inlet)	-	-
(LERRDs) - LAND, EASEMENTS, ROW, RELOCATION & DISPOSAL AREA	12,000	-
Utility Master Plan - North	12,000	-
Utility Master Plan - South		

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PERMITTING	200,000	-
Permitting Costs = (PSWIK 14 - Permitting)	200,000	-
MN EIS - Draft	-	-
MN EIS Scoping Document Support	-	-
MN EIS Preparation Support	-	-
CERTIFICATION	138,950	-
USACE Certification for DCAI	-	-
USACE Certification for SEAI	-	-
FEMA Certification (LOMR) for Project	-	-
Mitigation Certification	-	-
USACE Certification for Pkg-42	138,950	-
USACE Certification for Pkg-43	-	-
FMDA DETENTION FUNDING	220,768	220,768
Budget note placeholder per "Fargo-Moorhead Diversion Authority Retent	220,768	220,768
Halstead Upstream Retention Study	-	-
BoisdeSioux Brandrup Budget Holder	-	-
BoisdeSioux Redpath Budget Holder	-	-
BoisdeSioux Western 32 Budget Holder	-	-
OTHER MITIGATION PROJECTS	326,200	221,390
Design Cost (USACE Lead) (WP36 - Wild Rice River Dam Mitigation)	-	-
Design Cost (WP40 - Drayton Dam Mitigation)	-	-
Design Cost (WP41 - Future Stream Mitigation)	-	-
Design Cost (WP42 all Subpackages)	221,390	221,390
Design Cost (WP43 all Subpackages)	70,089	-
Design Cost (WP43O - OHB Ring Levee Recreation)	34,721	-
Design Cost (WP49C - Cultural Remediation Phase 1)	-	-
Design Cost (WP52 - Comstock Ring Levee)	-	-
ENABLING WORK	-	-
Design Cost (WP49B - Phase 3 Demolition)	-	-
Design Cost (WP28 - Cass County Road 16 and 17 Bridge)	-	-
Program Management/Legal/Financial/Procurement	16,474,493	11,488,530
Management, Legal, Financial, Procurement	16,474,493	11,488,530
Program Management Costs	9,288,856	5,751,856
Program Financial Services	792,000	130,000
DA Legal Services	5,692,000	5,010,674
CCJWRD Legal Services	200,000	54,000
Outreach Costs	501,637	542,000

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Contingency	6,819,699	5,000,000
SYSTEM WIDE	-	5,000,000
DIVERSION CHANNEL AND ASSOCIATED INFRASTRUCTURE	3,000,000	-
DCAI Contingency	3,000,000	-
SOUTHERN EMBANKMENT AND ASSOCIATED INFRASTRUCTURE	2,000,000	-
SEAI Contingency	2,000,000	-
Construction Contingency (WP26 - Diversion Inlet Structure)	-	-
Construction Contingency (WP27 - Red River West Embankment)	-	-
Construction Contingency (WP29 - Red River East Embankment)	-	-
Construction Contingency (WP30 - Wild Rice River Control Structure)	-	-
Construction Contingency (WP31 - I-29 Interchange)	-	-
Construction Contingency (WP33 - Cass County Road 81 Bridge)	-	-
Construction Contingency (WP35 - Red River Control Structure)	-	-
Construction Contingency (WP39 - Overflow Embankment)	-	-
Construction Contingency (WP46 - Phase 2 Utility Performed Relocations)	-	-
Construction Contingency (WP47 - Phase 2 DA Contracted Utility Relocatio	-	-
Construction Contingency (WP50 - Demolition SEAI)	-	-
Construction Contingency (WP51 - Recreation SEAI)	-	-
Construction Contingency (WP53 - BNSF Moorhead Line Raise)	-	-
Construction Contingency (WP54 - Hwy 75 Road Raise)	-	-
OTHER MITIGATION PROJECTS	1,300,000	-
Mitigation and Associated Infrastructure Contingency	-	-
Construction Contingency (WP36 - Wild Rice River Dam Mitigation)	-	-
Construction Contingency (WP40 - Drayton Dam Mitigation)	-	-
Construction Contingency (WP41 - Future Stream Mitigation)	-	-
Construction Contingency (WP43 all Subpackages) moved from CT-67750 &	1,300,000	-
Construction Contingency (WP43O - OHB Ring Levee Recreation)	-	-
Construction Contingency (WP49C - Cultural Remedialtion Phase 1)	-	-
Construction Contingency (WP52 - Comstock Ring Levee)	-	-
IN-TOWN FLOOD PROTECTION	482,439	-
Construction Contingency (WP42A1A3 - Dwtm Levees 4th St. S Pump Statio	-	-
Construction Contingency (WP42A2 - Dwtm Levees 2nd St. North Pump Sta	-	-
Construction Contingency (WP42C1 - Dwtm Levees HoJo's Shakeys Fargo P	-	-
Construction Contingency (WP42C2 - Dwtm Levees Park East Demo)	-	-
Construction Contingency (WP42D1 - 1st St. From 2nd To 4th and 4th St. F	-	-
Construction Contingency (WP42D3 - Floodwall At 1st Ave. Bridge)	-	-
Construction Contingency (WP42D4 - Xcel Energy)	-	-
Construction Contingency (WP42D5 - Main Ave. Pump Station and Floodw	181,163	-
Construction Contingency (WP42E - Dwtm Levees Main Ave. Lift Station an	232,011	-
Construction Contingency (WP42F1S - Dwtm Levees 2nd St. N. South of Pur	-	-
Construction Contingency (WP42F1N - Dwtm Levees 2nd St. N. North of Pu	-	-

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Construction Contingency (WP42F2 - Dwtm Levees 2nd St. South)	-	-
Construction Contingency (WP42G - Dwtm Levees Landscaping and Planting)	69,265	-
Construction Contingency (WP42H2 - Dwtm Levees El Zagal Area Phase 2)	-	-
Construction Contingency (WP42I1 - Dwtm Levees Mickelson Levee Extension)	-	-
Construction Contingency (WP42J - Dwtm Levees Recreation)	-	-
Construction Contingency Costs (WP42 all Subpackages)	-	-
ENABLING WORK	37,260	-
Enabling Contingency	-	-
Construction Contingency WP49B - Phase 3 Demolition)	-	-
Construction Contingency (WP28 - Cass County Road 16 and 17 Bridge)	37,260	-
Debt Service	8,459,700	8,459,700
City Bonds	6,300,000	6,300,000
City Bank Loan	760,000	760,000
<i>Wells Fargo</i>	760,000	760,000
County Bank Loan	1,399,700	1,399,700
<i>Wells Fargo</i>	1,399,700	1,399,700
<i>Other</i>	-	-
Maintenance	100,000	100,000