



**MUNICIPALITY OF ANCHORAGE  
PUBLIC WORKS DEPARTMENT**

4700 Elmore Road  
Anchorage AK 99507

**Project Review Form**

Project Name:	46 Ave Area Drainage Improvements, Folker-Grumman	Project No: 14-37
Project Status:	<input checked="" type="checkbox"/> Design Study <input type="checkbox"/> 35% <input type="checkbox"/> 65% <input type="checkbox"/> 95% <input type="checkbox"/> Other	
Reviewer Name/Title:	Steven Ellis, Flood Hazard Administrator	
Organization / Department:	WMS	
Phone Number: 343-8078	Date: 1-9-15	

	Reviewer	Page/ Sheet No.	Comment	Response
1)	SME		<p>WMS prefers options C and D. Keeping the storm water runoff in the same watershed and flood plain is desirable. Other items to be considered;            A disconnected outfall into Campbell Creek.            A dry pond for permanent storm water treatment.</p> <p>In discussion with Street Maintenance personnel it was determined they believed the storm water from this area could not go into Campbell Creek. We feel the DSR incorrectly characterized options C and D by stating these options were not preferred by Street Maintenance. Street Maintenance would actually prefer the storm drain system to discharge to Campbell Creek.</p>	<p>Additional detail from project meeting: Legislative appropriation is very specific in regards to scope. LID elements outside of the ROW cannot be paid for with this funding. Curb cuts may be used to direct stormwater to vegetated areas. Future discussion will determine if a disconnected outfall will used as an LID Demonstration Project. DSR being revised based on comments.</p>
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**Project Review Form**

Project Name:	64 <sup>th</sup> Ave Upgrade Laurel St. to Norm Dr.	Project No:10-21
Project Status:	<input checked="" type="checkbox"/> Design Study <input type="checkbox"/> 35% <input type="checkbox"/> 65% <input type="checkbox"/> 95% <input type="checkbox"/> Other	
Reviewer Name/Title:	Steven Ellis, Flood Hazard Administrator	
Organization / Department:	WMS	
Phone Number: 343-8078	Date: 1-23-14	

	Reviewer	Page/ Sheet No.	Comment	Response
1)	SME		This project will require a Flood Hazard Permit for work in the SFHA.	
2)	SME		The MS4 Permit requires Permittees to evaluate the feasibility of incorporating runoff reduction techniques into the repair of public streets, roads or parking lots. See page 16 of 55 of the MS4 Permit, item (v) Repair of Public Streets, Roads or Parking Lots. Also see the definition of Repair of Public Streets, Roads and Parking Lots on Page 52 of 55 of the MS4 Permit.	Incorporating LID in not feasible for the project. The state grant funding was very specific as to the scope (essentially pavement repair, curb/gutter repair, sidewalk repair all within the roadway footprint.) Work outside that footprint is not covered by the scope and therefore the funding.
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Anchorage AK 99507

**Project Review Form**

Project Name: A St & 48 <sup>th</sup> Ave Extension & Upgrade	Project No:12-22
Project Status: <input type="checkbox"/> Design Study <input type="checkbox"/> 35% <input type="checkbox"/> 65% <input checked="" type="checkbox"/> 95% <input type="checkbox"/> Other	
Reviewer Name/Title: Steven Ellis, Flood Hazard Administrator	
Organization / Department: WMS	
Phone Number: 343-8078	Date: 1 22-14

#	Reviewer	Page/ Sheet No.	Comment	Response
1)	SME		No Comment for streams and flood hazard	
2)	SME		The MS4 Permit requires Permittees to evaluate the feasibility of incorporating runoff reduction techniques into the repair of public streets, roads or parking lots. See page 16 of 55 of the MS4 Permit, item (v) Repair of Public Streets, Roads or Parking Lots. Also see the definition of Repair of Public Streets, Roads and Parking Lots on Page 52 of 55 of the MS4 Permit.	LID elements in plans: Infiltration along grass strip. Detention in metering manhole.
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**Project Review Form**

Project Name:	Baxter Rd Tudor to Northern Lights	Project No:12-23
Project Status:	<input type="checkbox"/> Design Study <input type="checkbox"/> 35% <input checked="" type="checkbox"/> 65% <input type="checkbox"/> 95% <input type="checkbox"/> Other	
Reviewer Name/Title:	Steven Ellis, Flood Hazard Administrator	
Organization / Department:	WMS	
Phone Number: 343-8078	Date: 3-24-14	

	Reviewer	Page/ Sheet No.	Comment	Response
1)	SME		The MS4 Permit requires the Permittee to evaluate the feasibility of incorporating runoff reduction techniques into the repair. See page 16 of 55 of the MS4 Permit, item (v) Repair of Public Streets, Roads or Parking Lots. Also see the definition of Repair of Public Streets, Roads and Parking Lots on Page 52 of 55 of the MS4 Permit. After reviewing the plans it appears this project meets the definition of Repair of Public Streets, Roads and Parking Lots. If incorporating runoff reduction techniques will not be considered please provide WMS the reason so we can document it for the MS4 Permit.	Incorporating LID in not feasible for the project. The state grant funding was very specific as to the scope (essentially pavement repair, curb/gutter repair, sidewalk repair all within the roadway footprint.) Work outside that footprint is not covered by the scope and therefore the funding.
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Anchorage AK 99507

**Project Review Form**

Project Name:	Chester Creek sports Complex Parking and Mulcahy Stadium Reconstruction	Project No:12-62
Project Status:	<input checked="" type="checkbox"/> Design Study <input type="checkbox"/> 35% <input type="checkbox"/> 65% <input type="checkbox"/> 95% <input type="checkbox"/> Other	
Reviewer Name/Title:	Steven Ellis, Flood Hazard Administrator	
Organization / Department:	WMS	
Phone Number: 343-8078	Date: 12-2-13	

	Reviewer	Page/ Sheet No.	Comment	Response
1)	JDU		Low Impact Development Techniques must be considered for storm water disposal from public parking lots per the current MS4 Permit (item V on page 16 of the permit)	LID in plans. Infiltration gallery
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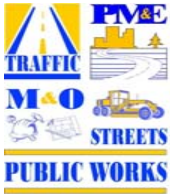
**MUNICIPALITY OF ANCHORAGE  
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4700 Elmore Road  
Anchorage AK 99507

**Project Review Form**

Project Name: 2013 Senate District L Road Rehabilitation Project	Project No: 13-10
Project Status: <input type="checkbox"/> Design Study <input type="checkbox"/> 35% <input type="checkbox"/> 65% <input checked="" type="checkbox"/> 95% <input type="checkbox"/> Other	
Reviewer Name/Title: Steve Ellis / Storm Water Plan Reviewer	
Organization / Department: PM&E – Water Shed Management	
Phone Number: 343-8135	Date: 4-15-14

#	Reviewer	Page/ Sheet No.	Comment	Response
1)	SME		Provide a SWPPP Type 2 to WMS for review and approval prior to start of construction. A SWPPP Type 3 and NOI is not required.	
2)	SME		The MS4 Permit requires the Permittee to evaluate the feasibility of incorporating runoff reduction techniques into the repair. See page 16 of 55 of the MS4 Permit, item (v) Repair of Public Streets, Roads or Parking Lots. Also see the definition of Repair of Public Streets, Roads and Parking Lots on Page 52 of 55 of the MS4 Permit. After reviewing the plans it appears this project meets the definition of Repair of Public Streets, Roads and Parking Lots. If incorporating runoff reduction techniques will not be considered please provide WMS the reason so we can document it for the MS4 Permit.	Incorporating LID in not feasible for the project. The state grant funding was very specific as to the scope (essentially pavement repair, curb/gutter repair, sidewalk repair all within the roadway footprint.) Work outside that footprint is not covered by the scope and therefore the funding.
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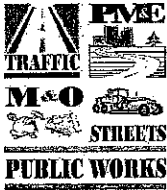
**MUNICIPALITY OF ANCHORAGE  
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4700 Elmore Road  
Anchorage AK 99507

**Project Review Form**

Project Name: Senate District L Road Rehabilitation Project	Project No: 13-12
Project Status: <input type="checkbox"/> Design Study <input type="checkbox"/> 35% <input type="checkbox"/> 65% <input checked="" type="checkbox"/> 95% <input type="checkbox"/> Other	
Reviewer Name/Title: Steve Ellis / Storm Water Plan Reviewer	
Organization / Department: PM&E – Water Shed Management	
Phone Number: 343-8135	Date: 4-15-14

	Reviewer	Page/ Sheet No.	Comment	Response
1)	sme		Provide a SWPPP Type 2 to WMS for review and approval prior to start of construction. A SWPPP Type 3 and NOI is not required.	
2)			The MS4 Permit requires the Permittee to evaluate the feasibility of incorporating runoff reduction techniques into the repair. See page 16 of 55 of the MS4 Permit, item (v) Repair of Public Streets, Roads or Parking Lots. Also see the definition of Repair of Public Streets, Roads and Parking Lots on Page 52 of 55 of the MS4 Permit. After reviewing the plans it appears this project meets the definition of Repair of Public Streets, Roads and Parking Lots. If incorporating runoff reduction techniques will not be considered please provide WMS the reason so we can document it for the MS4 Permit.	The Municipality of Anchorage (MOA) has determined that several streets in the 2013 Senate District L (MOA Project No. 13-12) area are in need of rehabilitation due to surface degradation over several years of use. This issue manifests in cracking, pot holing, frost heaving, raveling of pavement edges, and separation between curb and asphalt. The project scope is to rehabilitating the pavement using various techniques. Sidewalk, curb, and gutter repairs are also anticipated. The pavement rehabilitation, sidewalk, curb, and gutter repairs will remain within the existing roadway footprint. Due to the available funding and limited scope of work anticipated for this project, it is not feasible to incorporate runoff reduction techniques into the rehabilitation of the roadway rehabilitation.
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**Project Review Form**

Project Name:	15 <sup>th</sup> Avenue Pavement Rehabilitation Gambell Street to Lake Otis Parkway	Project No:13-38
Project Status:	<input type="checkbox"/> Design Study <input type="checkbox"/> 35% <input type="checkbox"/> 65% <input checked="" type="checkbox"/> 95% <input type="checkbox"/> Other	
Reviewer Name/Title:	Steven Ellis, Flood Hazard Administrator	
Organization / Department:	WMS	
Phone Number: 343-8078	Date: 2-10-14	

	Reviewer	Page/ Sheet No.	Comment	Response
1)	SME		The MS4 Permit requires the Permittee to evaluate the feasibility of incorporating runoff reduction techniques into the repair. See page 16 of 55 of the MS4 Permit, item (v) Repair of Public Streets, Roads or Parking Lots. Also see the definition of Repair of Public Streets, Roads and Parking Lots on Page 52 of 55 of the MS4 Permit. After reviewing the plans it appears this project meets the definition of Repair of Public Streets, Roads and Parking Lots. If incorporating runoff reduction techniques will not be considered please provide WMS the reason so we can document it for the MS4 Permit.	This project received a state grant that was specifically for removal and replacement of the existing asphalt. Drainage improvements were not included in the scope or funding. The existing curb line and original drainage patterns were not altered during construction.
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4700 Elmore Road  
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**Project Review Summary**

<b>Project Name:</b> Senate District I (2013) Road Rehabilitation	<b>Project No. 13-09</b>
<b>Project Status:</b> 100% Design - Response to 95% Design Comments	<b>Date:</b> May 2014

No.	Reviewer	Com. No.	Page/ Sheet No.	Comment	Response
18	MAT	3	A-21	Only found 5 bollards removed. Maybe I overlooked.	There are 3 to remove at Ramp A (U & 15th), 2 at Ramp B (U & 15th), and 2 at Ramp D (S S). The two at Ramp B were not shown in the table - good catch.
19	MAT	4	ITB	Change to \$100,000 to \$500,000	Changed to "Between \$100,000 and \$500,000".
20	MAT	5	BP	See boiler plate, the bid now starts on page BP-3 (two up front pages now)	Updated bid pages.
21	SME/WMS	1		The MS4 Permit requires the Permittee to evaluate the feasibility of incorporating runoff reduction techniques into the repair. See page 16 of 55 of the MS4 Permit, item (v) Repair of Public Streets, Roads or Parking Lots. Also see the definition of Repair of Public Streets, Roads and Parking Lots on Page 52 of 55 of the MS4 Permit. After reviewing the plans it appears this project meets the definition of Repair of Public Streets, Roads and Parking Lots. If incorporating runoff reduction techniques will not be considered please provide WMS the reason so we can document it for the MS4 Permit.	The scope of this project is to extend the useful life of the road surface. The pavement rehabilitation project will only be replacing minimal curb and gutter where necessary and not be changing the geometry or functional use of the roadway.
22	SME/WMS	2		Provide a SWPPP Type 2 to Paul Lacsina, WMS, for review.	Will add SWPPP Type 3 since disturbance area is greater than one acre.
23	SME/WMS	3		A portion of this project is in the regulatory floodway. Please explain how existing grade will be maintained. Grade is not shown on the plans with road sections as typical details.	The new grade will match the existing grade. Only minimal curb and gutter will be replaced. The new grade will follow the grade of the existing curb and gutter.
24	RKC/GCI	1	3 of 7	GCI has underground .500 coax crossing of W. 15 <sup>th</sup> Ave at the SE corner of 1729 W. 15 <sup>th</sup> Ave.	Since this is a reclamation job (no deep excavation), there should not be conflict with your utilities.
25	RKC/GCI	2		GCI has underground .500 coax on the south side of W. 15 <sup>th</sup> in outer edge of ROW from crossing east to Hidden Lane (see 4 of 7)	Since this is a reclamation job (no deep excavation), there should not be conflict with your utilities.
26	RKC/GCI	3		GCI has aerial crossing of W. 15 <sup>th</sup> on the east side of "S" Street and aerial continuing east as shown.	Work in proximity to overhead utilities will comply with statutes, codes, and guidance. Contractor will coordinate/communicate with utility owners as needed.