

**DRAINAGE PROJECT COORDINATION POLICY FOR
THE MUNICIPALITY OF ANCHORAGE AND THE ALASKA DEPARTMENT OF
TRANSPORTATION & PUBLIC FACILITIES
MEMORANDUM OF UNDERSTANDING**

This will constitute a Memorandum of Understanding (MOU) made and entered into this 17th day of March, 2017, by and between THE MUNICIPALITY OF ANCHORAGE (hereinafter MOA) and THE ALASKA DEPARTMENT OF TRANSPORTATION AND PUBLIC FACILITIES (hereinafter DOT&PF), regarding the coordination and implementation of drainage projects within the Municipality of Anchorage.

The parties to this MOU shall accept notices at the following addresses and telephone numbers:

MOA

Municipality of Anchorage
P.O. Box 196650
Anchorage, AK 99519
PHONE: (907) 343-8135
FAX: (907) 343-8088

DOT&PF

DOT&PF
P.O. Box 196900
Anchorage, AK 99519
PHONE: (907) 269-0555

ARTICLE I

PURPOSE AND NEED

This MOU shall establish an updated Policy through which Capital Drainage Projects being developed by MOA and/or DOT&PF can be coordinated and completed efficiently while taking into account the effects of the newly updated drainage design standards and regulations on the aging local drainage infrastructure.

Following is a summary of common coordination issues that have precipitated the need for this MOU:

1. Existing Storm Drain System Capacity

Existing storm drain system capacity has become an issue since the newly adopted NOAA predictions of storm volumes are significantly larger than the design storm volumes that the MOA and the DOT&PF have used in the past. This will have a significant impact in sizing storm water controls in years to come. In addition, many of the existing drainage systems around Anchorage were designed based on smaller storms and will now be undersized. This issue complicates coordination of individual projects when a new storm drain system being designed by MOA or DOT&PF needs to connect to an existing, now undersized, receiving system. Previous policy has required that new storm system discharge does not adversely impact the existing system capacity, but this will not be feasible with the new, significantly larger design storms and

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in many cases, the “new project” will not be able to fund upgrades to the downstream system within programmed budgets.

2. Design Considerations to Mitigate Downstream Impacts

Under existing requirements Low Impact Development (LID) considerations, such as DOT&PF’s Green Roads concept, are described under the Alaska Pollutant Discharge Elimination System (APDES) and should be analyzed for all projects; however, in many cases LID options such as on-site retention, detention, and/or infiltration may not be feasible for projects within narrow, fully developed road rights of way, areas with shallow depths to existing ground water, and situations when the existing storm drain system downstream is shallow. These features do not provide significant change to peak discharge during an event with a 25-year or longer return interval.

3. Compliance with Applicable Permits and Standards

In most cases, compliance with the current design criteria and the MS4 permit requirements are attainable while implementing a new drainage system; however, designing a new drainage system to the current standards may not resolve or may even exacerbate inadequacies within the drainage system beyond the scope of a given project.

ARTICLE II

POLICY AND PROCEDURE

All drainage projects developed within the Municipality of Anchorage by the parties herein shall be designed and implemented to comply with current design standards and regulations and to mitigate downstream impacts to the extent feasible within the rational scope of each project, as determined by Management and Administrative Staff of the originating and affected agencies.

Applicable standards and regulations include:

1. The Municipality of Anchorage Design Criteria Manual and Drainage Design Guidelines;
2. The Alaska Department of Transportation & Public Facilities Highway Preconstruction Manual;
3. The Municipality of Anchorage MS4 Permit;
4. The Alaska Pollutant Discharge Elimination System;
5. All other adopted documents, as applicable for a given project.

For projects that do not significantly modify existing drainage patterns or increase contributing drainage area, the upgrading of connected drainage systems outside the rational scope of the subject project to comply with current standards and regulations shall be addressed by future projects.

Design rationale, including purpose and need, scoping and budgetary constraints, compliance with applicable standards and regulations, reasonable consideration of measures to mitigate downstream impacts, feasibility of implementation of drainage controls and impacts to existing

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infrastructure shall be documented, in reasonable detail, in a Design Study Report or similar Technical Document developed for each project. A draft version of the Technical Document shall be routed to all pertinent agencies and stakeholders, as determined by Management and Administrative staff of the originating and directly affected agencies, for review, comment and concurrence. Project reviewers shall refer to this MOU as part of the coordination process. Upon concurrence by designees of the Municipal Manager and Central Region Director, the Technical Document shall be modified, if needed, and finalized to include an agreed upon plan of action and correspondence supporting said plan of action.

Furthermore, the parties agree to work toward bolstering long-range coordination efforts between MOA and DOT&PF Administrative Staff in an effort to identify upcoming and potential drainage projects and drainage issues that may affect each agency. Regular meetings will occur between appropriate staff members to identify opportunities that will reduce inspection and maintenance costs for both agencies through the sharing of data and other means, with a goal of developing a long term plan for improvements and maintenance that will include inventory of existing conditions, projected demand growth and impacts, strategies for addressing issues and other sections relevant to drainage infrastructure planning.

This MOU may be amended and/or modified as deemed necessary through the concurrence of both parties.

ARTICLE III

NO THIRD PARTY INTERESTS

This MOU is intended solely for the benefit of the parties to facilitate future development of Capital Drainage Projects. No third parties are granted any rights under this MOU.

ARTICLE IV

ACCEPTANCE

IN WITNESS WHEREOF, the parties hereto agree to the terms described herein and set their hands on the date first set forth above.

MOA:

By: _____

MICHAEL ABBOTT
Municipal Manager
Municipality of Anchorage

DOT&PF:

By: _____

DAVE KEMP, PE, PMP
Director, Central Region
Alaska Department of Transportation
& Public Facilities

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STATE OF ALASKA)
)ss:
THIRD JUDICIAL DISTRICT)

THIS IS TO CERTIFY that on this 16th day of March, 2017, before me, the undersigned, a Notary Public in and for the State of Alaska, duly commissioned and sworn as such, personally appeared MICHAEL ABBOTT, known to me to be the Municipal Manager of the Municipality of Anchorage named in the foregoing instrument, and he acknowledged to me that he had in his official capacity aforesaid executed the foregoing instrument as the free act and deed of the said corporation for the uses and purposes therein stated.

WITNESS my hand and official seal on the day and year first above written.



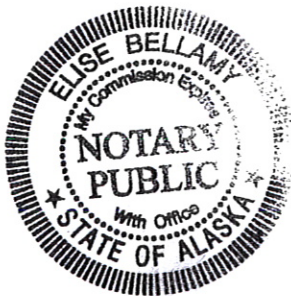
Sara R. Brause

Notary Public in and for Alaska
My Commission Expires: April 14, 2020

STATE OF ALASKA)
)ss:
THIRD JUDICIAL DISTRICT)

THIS IS TO CERTIFY that on the 17th day of March, 2017, before me, the undersigned, a Notary Public in and for the State of Alaska, duly sworn and commissioned as such, personally appeared DAVE KEMP, known to me to be the Central Region Director of the Alaska Department of Transportation & Public Facilities named in the foregoing instrument, and he acknowledged to me that he had in his official capacity aforesaid executed the foregoing instrument as the free act and deed of the said corporation for the uses and purposes therein stated.

WITNESS my hand and official seal on the day and year first above written.



Elise Bellamy

Notary Public in and for Alaska
My Commission Expires: with office